Cisco Nexus 9000 Series NX-OS System Messages Reference, Release 10.6(2)F

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Messages and Recovery Procedures

This chapter lists the system messages by facility. Within each facility, the messages are listed by severity levels 0 to 7: 0 is the highest severity level, and 7 is the lowest severity level. Each message is followed by an explanation and a recommended action.

AAA Messages

This section contains the AAA messages.

AAA-1

Error Message `AAA-1-AAA_SESSION_LIMIT_REJECT: aaa request rejected as maximum aaa sessions are in progress`

Explanation Aaa request rejected as the limit for maximum concurrent aaa sessions is reached

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

AAA-2

Error Message `AAA-2-AAA_NVRAM_UPGRADE_FAILURE: upgrading of accounting log failed. [chars]`

Explanation Upgrading of accounting log failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `AAA-2-AAA_PROGRAM_EXIT: aaa daemon exiting: [chars]`

Explanation Aaa daemon is exiting.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

AAA-3

Error Message `AAA-3-AAA_ERROR_SYSLOG: [chars]`

Explanation AAA Error Message

Recommended Action No action is required.

Error Message `AAA-3-AAA_NVRAMFAILURE: nvram failure`

Explanation Nvram can not be read/written to. Hence accounting log can not be stored there

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `AAA-3-AAA_NVRAM_INIT_ISSUE: NVRAM not present or not initialized`

Explanation NVRAM is either not present on the platform or not initialized. Hence, accounting logs can not be stored there

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `AAA-3-AAA_VRF_LENGTH_EXCEED: directed authentication, exceeding VRF length`

Explanation Invalid username for directed authentication request, exceeding VRF length

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

AAA-5

Error Message `AAA-5-AAA_PER_USER_BLOCK: [chars]`

Explanation User blocked for authentication failures

Recommended Action No action is required.

Error Message `AAA-5-AAA_QUIET_TIMER_EXPIRED: SECURE_LOGIN: Quiet Mode OFF, Quiet Timer Expired.`

Explanation Quiet timer expired. Logins will be allowed

Recommended Action No action is required.

Error Message `AAA-5-AAA_QUIET_TIMER_STOPPED: SECURE_LOGIN: Quiet Mode OFF, Quiet Timer Stopped.`

Explanation Quiet timer sopped.

Recommended Action No action is required.

Error Message `AAA-5-AAA_QUIET_TIMER: [chars]`

Explanation Quiet timer started. All logins blocked due to too many authentication failures

Recommended Action No action is required.

AAA-6

Error Message `AAA-6-AAA_ACCOUNTING_MESSAGE: [chars]`

Explanation Accounting Message

Recommended Action No action is required.

AAM Messages

This section contains the AAM messages.

AAM-2

Error Message `AAM-2-ELS_FC2_GL_SINDEX_LOOKUP_FAILED: Failed to lookup global port index for interface [[chars]]`

Explanation Failed to lookup global port index for interface [chars]

Recommended Action No action is required.

AAM-3

Error Message `AAM-3-ALLOC_FAILED: Failed in File:[chars] Line:[dec] for type [dec] size [dec]`

Explanation AAM process could not allocate heap memory in File:[chars], at line:[dec], for memory-type:[dec] of Size:[dec]

Recommended Action No action is required.

Error Message `AAM-3-ASSERTION_FAILED: Failed in File:[chars] Line:[dec]`

Explanation AAM Process assertion failed in File:[chars], at line:[dec]

Recommended Action No action is required.

ACLLOG Messages

This section contains the ACLLOG messages.

ACLLOG-4

Error Message `ACLLOG-4-ACLLOG_MAXFLOW_REACHED: [chars]`

Explanation Max flow reached in current interval: [chars]

Recommended Action No action is required.

Error Message `ACLLOG-4-ACLLOG_THRESHOLD: [chars]`

Explanation Threshold Reached for Flow: [chars]

Recommended Action No action is required.

ACLLOG-6

Error Message `ACLLOG-6-ACLLOG_FLOW_INTERVAL: [chars]`

Explanation Flow info in current alert interval: [chars]

Recommended Action No action is required.

Error Message `ACLLOG-6-ACLLOG_NEW_FLOW: [chars]`

Explanation New Acllog Flow: [chars]

Recommended Action No action is required.

ACLMGR Messages

This section contains the ACLMGR messages.

ACLMGR-2

Error Message `ACLMGR-2-ACLMGR_L2_REDIRECTED_PORTS: Redirected port(s) are supported on L2 interface type.`

Explanation Redirected port(s) are supported on L2 interface type.

Recommended Action No action is required.

Error Message `ACLMGR-2-ACLMGR_NO_ERRDISABLED: [chars] event on interface [chars] (0x[hex]) allowed to succeed in spite of access-list failure`

Explanation Although an access-list operation failed during a port event, the port event still finished successfully because errdisable is disallowed

Recommended Action No action is required.

Error Message `ACLMGR-2-EXITING: Exit reason: [chars]`

Explanation The ACLMGR service process has exited due to [char]. The process has probably been restarted automatically.

Recommended Action No action is required.

Error Message `ACLMGR-2-INITFAIL: ACLMGR Service Init failed: [chars]`

Explanation ACLMGR Service initialization failed. [chars] explains the reason for the failure.

Recommended Action No action is required.

Error Message `ACLMGR-2-MALLOC_ERROR: Size [dec] bytes`

Explanation The ACLMGR service could not allocate memory.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `ACLMGR-2-PSS_ERROR: [chars]: PSS ret. val=[dec]`

Explanation The ACLMGR service encountered error while operating on a persistent storage database.

Recommended Action No action is required.

ACLMGR-3

Error Message `ACLMGR-3-ACLMGR_ACL_CLIENT_TYPE_MISMATCH: Client[[chars]] trying to operate on ACL policy[[chars]] created by client [[chars]].`

Explanation Mismatch in ACL client. Trying to operate on ACL with different client.

Recommended Action No action is required.

Error Message `ACLMGR-3-ACLMGR_ACL_OWNER_MISMATCH: The ACL [chars] deleted was in use by [chars]. Please check show running-config for more information.`

Explanation ACL that was in use by another feature was deleted

Recommended Action No action is required.

Error Message `ACLMGR-3-ACLMGR_COMMIT_FAIL: Commit failed: [chars]`

Explanation The PPF commit failed

Recommended Action No action is required.

Error Message `ACLMGR-3-ACLMGR_DB_LOCK_MSG: ACL database message, reason: [chars], session 0x[hex], type: [chars]`

Explanation ACL PPF database lock acquire/release related message.

Recommended Action No action is required.

Error Message `ACLMGR-3-ACLMGR_GSYNC_ERROR: Error occured during global sync of ACL runtime database to standby, reason: [chars] , [chars]`

Explanation ACL snapshot to send the copy of runtime database to standby failed

Recommended Action No action is required.

Error Message `ACLMGR-3-ACLMGR_PPF_ERROR: PPF error: [chars]`

Explanation The PPF generated error

Recommended Action No action is required.

Error Message `ACLMGR-3-ACLMGR_PSS_CORRUPTED: [chars] PSS found corrupted`

Explanation The ACLMGR service has detected corruption in one of its persistent information database. The database would be recreated.

Recommended Action No action is required.

Error Message `ACLMGR-3-ACLMGR_STAT_CONSOLIDATION_FAILURE: ACL statistic parsing or consolidation failed`

Explanation A statistic update failed during the parsing or consolidation step; statistics may have been lost

Recommended Action No action is required.

Error Message `ACLMGR-3-ACLMGR_VACL_REDIRECTION_DISABLED_REMOVAL: VACL redirection to interface [chars] (0x[hex]) disabled: the port has been removed`

Explanation A VACL redirection to the port has been deactivated because the port has been removed

Recommended Action No action is required.

Error Message `ACLMGR-3-ACLMGR_VERIFY_FAIL: Verify failed: [chars]`

Explanation The PPF Verify failed

Recommended Action No action is required.

Error Message `ACLMGR-3-MTSERROR: [chars]`

Explanation ACLMGR Service encountered an MTS error. [chars] specifies the context where the error occured.

Recommended Action No action is required.

ACLMGR-4

Error Message `ACLMGR-4-ACLMGR_PPF_WARNING: PPF warning: [chars]`

Explanation The PPF generated warning

Recommended Action No action is required.

Error Message `ACLMGR-4-ACLMGR_VACL_REDIRECTION_DISABLED_PCM: VACL redirection to interface [chars] (0x[hex]) disabled: the port became a portchannel member`

Explanation A VACL redirection to the port has been temporarily deactivated because it is now a member in a port channel

Recommended Action No action is required.

Error Message `ACLMGR-4-PSS_VERSION_MISMATCH: PSS [dec] Code [dec]`

Explanation There was a version mismatch between the ACLMGR service and one of its persistent storage databases. The persistent information has been translated to the new format.

Recommended Action No action is required.

ACLMGR-6

Error Message `ACLMGR-6-ACLMGR_PPF_NOTIF: PPF notification: [chars]`

Explanation The PPF generated notification

Recommended Action No action is required.

Error Message `ACLMGR-6-BECAME_ACTIVE: Became ACTIVE from standby mode`

Explanation The ACLMGR service on the standby supervisor became active and it is ready to serve client requests.

Recommended Action No action is required.

Error Message `ACLMGR-6-BECAME_STDBY: Became STANDBY from active mode`

Explanation The ACLMGR service became standby from active mode.

Recommended Action No action is required.

Error Message `ACLMGR-6-FAILED_TO_SEND_HEARTBEAT: Failed to send heartbeat to system manager: Reason=[chars]`

Explanation The ACLMGR service was unable to send heartbeat to the system manger

Recommended Action No action is required.

Error Message `ACLMGR-6-SERVICE_UP: Initialized [chars]`

Explanation The ACLMGR service is up and ready The service was initialized in [char] mode.

Recommended Action No action is required.

Error Message `ACLMGR-6-SRVEXIT: ACLMGR Service shutting down gracefully`

Explanation ACLMGR Service is shutting down gracefully. This is an informational message.

Recommended Action No action is required.

Error Message `ACLMGR-6-SWITCHOVER: Switching Over to other Sup.`

Explanation The ACLMGR service has successfully switched over to the standby supervisor card.

Recommended Action No action is required.

ACLQOS Messages

This section contains the ACLQOS messages.

ACLQOS-SLOT#-0

Error Message `ACLQOS-SLOT#-0-ACLQOS_ACL_STATS_FULL: Configuring Stats associated entry failed. [chars]`

Explanation Failed to configure Entry with Stats. No free StatsID available for this TCAM region.

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-0-ACLQOS_SPAN_EGRESS_RATE_LIMIT_MAX: Configuring span-egress rate limit failed. [chars]`

Explanation Failed to configure span-egress rate limit. No free entry available in ERACL TCAM region.

Recommended Action No DDTS.

ACLQOS-SLOT#-2

Error Message `ACLQOS-SLOT#-2-ACLQOS_BUFFER_DRAIN_FAILURE: Failed to drain buffers while modifying network qos policy on unit:[dec] slice: [dec]!`

Explanation Failed to drain buffers while modifying network qos policy.

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-2-ACLQOS_BURST_DETECT_FPGA_INCOMPATIBLE: Current FPGA image doesn't support microburst detection feature. Please upgrade IOFPGA epld image to version [dec].`

Explanation Current FPGA image doesn't support microburst detection feature.

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-2-ACLQOS_BURST_DETECT_OVER_THRESHOLD: Interface [chars] queue [dec] queue-depth is over the configured burst threshold. Please check 'show queuing burst-detect detail' for more information.`

Explanation Queue depth went above configured burst threshold.

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-2-ACLQOS_FAILED: ACLQOS failure: [chars]`

Explanation ACLQOS operation failed in the aclqos client

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-2-ACLQOS_INBAND_INTERFACE_FAILURE: Inband interface lif lookup failed ([chars])`

Explanation Inband interface lif lookup failed

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-2-ACLQOS_MALLOC_FAILED: Memory allocation failed. [chars]`

Explanation Memory allocation failed. This is a critical failure

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-2-ACLQOS_MCAST_NAT_TABLE_FULL: Unable to find free Nat table entry for programming multicast nat entries`

Explanation Unable to find free Nat table entry for programming multicast nat entries

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-2-ACLQOS_MCAST_NAT_TCAM_FULL: Unable to find free tcam index for programming multicast nat entries`

Explanation Unable to find free tcam index for programming multicast nat entries

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-2-ACLQOS_NAT_TABLE_FULL: Unable to find free Nat table entry for programming nat entries`

Explanation Unable to find free Nat table entry for programming nat entries

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-2-ACLQOS_OOTR: Tcam resource exhausted: [chars]`

Explanation Tcam resources to program acls exhausted

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-2-ACLQOS_QOS_NO_DROP_CLASSIFICATION_UNSUPPORTED: Only class-map with COS/DSCP match criteria can be used to identify no-drop traffic`

Explanation Only class-map with COS/DSCP match criteria can be used to identify no-drop traffic

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-2-ACLQOS_QUEUE_LIMIT_IGNORED_ON_FEX: Queue-limit configuration is being allowed but will not be configured on any connected FEXes.`

Explanation Queue-limit configuration is not supported on FEX.

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-2-ACLQOS_QUEUE_LIMIT_MAX: Queue limit is restricted to max available buffers([dec] bytes) on unit [dec].`

Explanation Queue limit is restricted to the max available buffers on the unit.

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-2-ACLQOS_TCAM_CARVING_FAILURE: [chars] TCAM region carving crossed the allowed max limits. Please re-adjust the limits using "hardware access-list tcam region .." command and reload the linecard`

Explanation [chars] Tcam is excessively provisioned

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-2-ACLQOS_TCAM_REGION_CREATION_FAILURE: TCAM region creation failed for instance: [dec], Group ID: [dec], reason: [chars]`

Explanation [chars] Tcam region is not properly configured

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-2-ACLQOS_TCAM_TEMPLATE_FAILURE: TCAM template application has`

failed with reason: [chars]. Failing the module bring up

Explanation [chars] Tcam template is not properly applied

Recommended Action No DDTS.

Error Message ACLQOS-SLOT#-2-ACLQOS_UNEXPECTED_MCAST_FRAMES: [chars]

Explanation Unexpected MCAST frames received

Recommended Action No DDTS.

Error Message ACLQOS-SLOT#-2-ACLQOS_UNEXPECTED_PFC_FRAMES: [chars]

Explanation Unexpected PFC frames received

Recommended Action No DDTS.

Error Message ACLQOS-SLOT#-2-PPF_FAILED: Database failure: [chars]

Explanation Database operation failed in the aclqos client

Recommended Action No DDTS.

Error Message ACLQOS-SLOT#-2-PPF_SUBSCRIPTION_FAILED: PPF Subscription failure: [chars]

Explanation PPF Subscription failed in the aclqos client

Recommended Action No DDTS.

ACLQOS-SLOT#-3

Error Message ACLQOS-SLOT#-3-ACLQOS_CC_INVALID: Invalid Congestion Control parameters: [chars]

Explanation Invalid Congestion Control parameters

Recommended Action No DDTS.

Error Message ACLQOS-SLOT#-3-ACLQOS_HDL_FAILED: ACLQOS failure: [chars] failed for unit [dec] hw_inst:[dec] tid:[dec] with acl_hdl:0x%PRIx64 status:[dec]

Explanation No action is required.

Recommended Action Acl-pd

Error Message `ACLQOS-SLOT#-3-ACLQOS_MCAST_NAT_AND_VACL_NOT_SUPPORTED: Multicast service-reflect and VACL can't be supported on the same vlan interface`

Explanation Multicast service-reflect rules can't be applied to traffic ingressing on vlan interfaces with vlan filter (VACL) configured.

Recommended Action No action is required.

Error Message `ACLQOS-SLOT#-3-ACLQOS_MCM_ERROR: MCM Message Inconsistent. Please collect MCM and ACLMgr Tech Support for all VDCs`

Explanation MCM Message Inconsistent

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-3-ACLQOS_PAUSE_INVALID: Invalid Pause parameters: [chars]`

Explanation Invalid Pause parameters

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-3-ACLQOS_QUEUING_ERROR: ACL/QoS queuing error: [chars]`

Explanation Internal error in ACL/QoS queuing config

Recommended Action No DDTS.

ACLQOS-SLOT#-4

Error Message `ACLQOS-SLOT#-4-ACLQOS_3K_OVER_THRESHOLD: Inst [dec] Tcam [dec] Bank [dec]'s ([chars]) usage has crossed its threshold [dec]%, actual utilization reached [dec]%`

Explanation Tcam is almost full

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-4-ACLQOS_ANALYTICS_L4OP_UNSUPPORTED: Analytics TCAM doesnt support port-expansion or LOU allocation. Please modify ACL policy and re-apply`

Explanation Analytics TCAM doesnt support port-expansion or LOU allocation. Please modify ACL policy and re-apply

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-4-ACLQOS_ATOMIC_ERR: [chars]`

Explanation Tcam will be overused, please turn off atomic update

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-4-ACLQOS_BC_OVER_THRESHOLD: Bank Chaining enabled: Inst [dec]'s usage has reached its threshold`

Explanation Tcam is almost full

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-4-ACLQOS_FC_WARNING: Found stale FCoE entry in instance [dec]. VSAN: [dec], SID: 0x[hex], DID: 0x[hex], SI:[dec], SI_MASK:[dec], RW_VSAN: [dec], RW_VSAN_FLAG: [dec], RW_SID: 0x[hex], RW_SID_FLAG: [dec], RW_DID: 0x[hex]. RW_DID_FLAG: [dec] Cleaning it up.`

Explanation Found stale FCoE entry in instance [dec]. VSAN: [dec], SID: 0x[hex], DID: 0x[hex], SI:[dec], SI_MASK:[dec], RW_VSAN:[dec], RW_VSAN_FLAG: [dec], RW_SID: 0x[hex], RW_SID_FLAG:[dec], RW_DID: 0x[hex]. RW_DID_FLAG: [dec] Cleaning it up.

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-4-ACLQOS_MATCH_ALL_MERGE_UPDATE: Warning (match_all merging): [chars]`

Explanation Warning (match_all merging)

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-4-ACLQOS_NX_OVER_THRESHOLD: Inst [dec] Tcam [dec]'s([chars]) usage has reached its threshold`

Explanation Tcam is almost full

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-4-ACLQOS_OPENFLOW_DFLT_MISS_UNSUPP: Openflow default-miss action needs [chars] TCAM region to be configured in double-wide mode`

Explanation Openflow default-miss action specified without configuring TCAM in double-wide mode

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-4-ACLQOS_OVER_THRESHOLD: Inst [dec] Tcam [dec] Bank [dec]'s`

([chars]) usage has reached its threshold

Explanation Tcam is almost full

Recommended Action No DDTS.

Error Message ACLQOS-SLOT#-4-ACLQOS_QUEUING_COS2Q_INVALID: ACL/QoS invalid queuing policy because of cos map change: [chars] queue [chars], interface [chars]

Explanation Attemped to configure an invalid queuing policy

Recommended Action No DDTS.

Error Message ACLQOS-SLOT#-4-ACLQOS_QUEUING_INVALID: ACL/QoS invalid queuing policy: [chars]

Explanation Attemped to configure an invalid queuing policy

Recommended Action No DDTS.

Error Message ACLQOS-SLOT#-4-ACLQOS_TAP_AGG_REDIR_INVALID: Redirect action invalid without Tap aggregation enable, interface [chars]

Explanation Redirect action specified without Tap aggregation enable

Recommended Action No DDTS.

Error Message ACLQOS-SLOT#-4-ACLQOS_UNDER_THRESHOLD: Tcam [dec] Bank [dec]'s usage is below the threshold now

Explanation Tcam's usage is below the threshold

Recommended Action No DDTS.

Error Message ACLQOS-SLOT#-4-ACLQOS_WARNING: ACLQOS Warning: [chars]

Explanation ACLQOS Warnings

Recommended Action No DDTS.

Error Message ACLQOS-SLOT#-4-STATS_SESSION_TIMEOUT: PPF statistics push to supervisor service aborted due to timeout. Session ID 0x[hex], start time [chars]

Explanation Stats session abort due to timeout

Recommended Action No DDTS.

ACLQOS-SLOT#-5

Error Message `ACLQOS-SLOT#-5-ACLQOS_CTP_DEFAULT_COPP: CTP Probe mechanism is currently using the default class-map. Please modify the COPP profile type or create a custom COPP profile and re-apply to enable use of monitoring class-map`

Explanation After ISSU, CTP probes may use default class-map, if the COPP profile is not modified.

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-5-ACLQOS_DISRUPTIVE_IPv6_UPDATE: Disruptive update of IPv6 compression entries`

Explanation Disruptive IPv6 compression entries update

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-5-ACLQOS_MAC_SA_DA_OVERLAP_LOG: MAC [chars] overlap for address(mask) 0x[hex][hex](0x[hex][hex]) with 0x[hex][hex](0x[hex][hex]) for hardware instance [dec]`

Explanation MAC SA/DA overlaps with already configured value. Overlapping MAC SA/DA matching is not supported on this platform

Recommended Action No action is required.

Error Message `ACLQOS-SLOT#-5-ACLQOS_NAT_PUNT_ACL_CMN_STATS: All NAT redirect access-list entries will share the same statistics counter`

Explanation Size of NAT TCAM region is more than the default size value, due to which, statistics cannot be allocated for every NAT access-list configured. All configured NAT access-list entries will share the same statistics counter

Recommended Action No action is required.

Error Message `ACLQOS-SLOT#-5-ACLQOS_NON_ATOMIC: Non atomic ACL/QoS policy update done for [chars]`

Explanation Non atomic ACL/QoS policy update was done

Recommended Action No DDTS.

Error Message `ACLQOS-SLOT#-5-ACLQOS_QOS_POLICER_DEFAULT_BURST: Using Default Policer Burst values for QOS policy`

Explanation Due to the limited number of QOS Policer Burst profiles supported by the platform, configured burst values are mapped to platform supported default Burst values.

Recommended Action No action is required.

ACLTCAM Messages

This section contains the ACLTCAM messages.

ACLTCAM-2

Error Message `ACLTCAM-2-ACL_TCAM_ADJ_EXHAUSTED: ACLTCAM failed to program route for VSAN: [dec], SID: [chars] DID: [chars], error: [chars].`

Explanation ACLTCAM process experienced a failure while programming route for VSAN [dec] SID [chars] DID [chars] due to resource exhaustion. [chars] is the error code.

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_ALMOST_FULL: TCAM close to FULL. [chars] TCAM Usage ([dec]/[dec]) exceeded [dec]% fwd-eng: [dec], [chars]`

Explanation [chars] TCAM usage [dec]/[dec] exceeded [dec] percent on fwd-engine [dec], [chars]

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_CONFIG_READ_FROM_DRIVER_FAILED: [chars] [dec], Error: 0x[hex].`

Explanation Unable to read configuration from forwarding engine ASIC driver. [chars] [dec], Error: 0x[hex].

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_CONFIG_WRITE_TO_DRIVER_FAILED: [chars] [dec], Error: 0x[hex].`

Explanation Unable to write configuration to forwarding engine ASIC driver. [chars] [dec], Error: 0x[hex].

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_ENTRY_DOUBLE_DEL: Deletion of unused shadow table entry at loc: 0x[hex].`

Explanation Deletion of unused shadow table entry at loc: [hex]

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_FLOW_STATS_READ_FAILED: Hardware flow stats read failed(ASIC: [dec], [chars] TCAM, Address: [dec], Num Entries: [dec], Error: [chars]).`

Explanation Hardware flow stats read failed(ASIC: [dec], [chars] TCAM, Address: [dec], Num Entries: [dec] Error: [chars]).

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_INCONSISTENT_DATABASE: Database found inconsistent.`

Explanation Database found inconsistent.

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_INCONSISTENT_TCAM_CONTENTS: TCAM contents found inconsistent.`

Explanation TCAM contents are found inconsistent.

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_INIT_FAILED: Initialization failed for forwarding engine ASIC: [dec], [chars] TCAM.`

Explanation Initialization failed for forwarding engine ASIC [dec], in [chars] TCAM.

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_INIT_REGIONS_FAILED: Initialization failed for forwarding engine ASIC: [dec], [chars] TCAM, [chars] Region.`

Explanation Initialization of regions failed for forwarding engine ASIC [dec], in [chars] TCAM, for [chars] Region.

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_MALLOC_FAILURE: Memory allocation failed for size [dec].`

Explanation Memory allocation is failed for size [dec] bytes.

Recommended Action Restart the process.

Error Message `ACLTCAM-2-ACL_TCAM_MTS_FAILURE: MTS operation failed: [chars].`

Explanation MTS operation failed. [chars] is the reason.

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_MTS_Q_FULL: MTS queue for SAP [dec] is full`

Explanation MTS queue for SAP [dec] is full

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_MTS_REGISTRATION_FAILED: MTS registration failed for opCode: [dec].`

Explanation MTS registration failed for opCode: [dec].

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_NO_ROUTE: ACLTCAM failed to get route for VSAN: [dec], Rewrite: [chars] DID: [chars] DID MASK: [chars], error: 0x[hex].`

Explanation ACLTCAM process experienced a failure while getting route for VSAN [dec] Rewrite [chars] DID [chars] DID Mask [chars]. [hex] is the error code.

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_NO_TCAM_LEFT: ACLTCAM resource exhausted for interface : [chars]`

Explanation ACLTCAM hardware resource is completely used.

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_PHY_TCAM_READ_FAILED: [chars] read from hardware TCAM failed(ASIC: [dec], [chars] TCAM, Address: [dec], Num Entries: [dec], Error: [chars]).`

Explanation [chars] read from hardware TCAM failed(ASIC: [dec], [chars] TCAM, Address: [dec], Num Entries: [dec] Error: [chars]).

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_PHY_TCAM_READ_INVALID: Invalid([chars], value: [dec]) TCAM entry read from hardware TCAM (FWD-Engine: [dec], [chars] TCAM, Address: [dec]), Ignoring this entry.`

Explanation Invalid([chars], value: [dec]) TCAM entry from hardware TCAM(FWD-Engine: [dec], [chars] TCAM, Address: [dec]) Ignoring this entry

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_PHY_TCAM_WRITE_FAILED: [chars] write to hardware TCAM failed(ASIC: [dec], [chars] TCAM, Address: [dec], Num Entries: [dec], Error: [chars]).`

Explanation [chars] write to hardware TCAM failed(ASIC: [dec], [chars] TCAM, Address: [dec], Num Entries: [dec] Error: [chars]).

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_PRIO_REGION_MISMATCH: Error! Trying to program an entry with prio [dec] ([hex]) in region [chars]. prio2regionmap provides region [chars] for prio [dec] ([hex])`

Explanation Error! Trying to program an entry with prio [dec] ([hex]) in region [chars]. prio2regionmap provides region [chars] for prio [dec] ([hex])

Recommended Action No action is required.

Error Message `ACLTCAM-2-ACL_TCAM_PSS_FAILURE: Failed to do PSS operation: [chars], reason: 0x[hex].`

Explanation Failed to do PSS operation [chars]. [hex] is the reason.

Recommended Action No action is required.

Error Message `ACLTCAM-2-PSS_OPEN_FAILED: PSS open failed - [hex].`

Explanation Persistent database handle could not obtained for ACLTCAM. [hex] is the error.

Recommended Action No action is required.

Error Message `ACLTCAM-2-RECONS_FAILED: Reconstruction of TCAM contents failed during upgrade - [hex].`

Explanation During non-disruptive upgrade, the ACLTCAM contents are not properly reconstructed. [hex] is the error.

Recommended Action No action is required.

ACLTCAM-3

Error Message `ACLTCAM-3-ACL_TCAM_INV_TCAM_SYNC_ATTEMPT: Attempt to write invalid shadow entry: [dec] ([dec]/[dec]) to TCAM, fwd-engine: [dec] ([chars]), change-array: [dec]/[dec], region-id: [dec], MTS opcode: [dec], rr-token: [hex]`

Explanation Attempt to write invalid shadow entry: [dec] ([dec]/[dec]) to TCAM, fwd-engine: [dec] ([chars]), change-array: [dec]/[dec], region-id: [dec], MTS opcode: [dec], rr-token: [hex]

Recommended Action No action is required.

Error Message `ACLTCAM-3-ACL_TCAM_MTS_Q_LEAK: Possible MTS buffer leak for SAP [dec]`

Explanation Possible MTS buffer leak for SAP [dec]

Recommended Action No action is required.

Error Message `ACLTCAM-3-REGISTER_FAILED: Could not register to MTS opcode [chars] - error [hex].`

Explanation ACLTCAM process could not register to the notifications mentioned by [chars]. [hex] is the error.

Recommended Action No action is required.

ACLTCAM-4

Error Message `ACLTCAM-4-ACL_TCAM_BELOW_THRESHOLD: [chars] TCAM usage ([dec]/[dec]) fell below [dec]% fwd-eng: [dec], [chars]`

Explanation [chars] TCAM usage [dec]/[dec] fell below [dec] percent on fwd-engine [dec], [chars]

Recommended Action No action is required.

Error Message `ACLTCAM-4-ACL_TCAM_BEYOND_THRESHOLD: [chars] TCAM usage ([dec]/[dec]) exceeded [dec]% fwd-eng: [dec], [chars]`

Explanation [chars] TCAM usage [dec]/[dec] exceeded [dec] percent on fwd-engine [dec], [chars]

Recommended Action No action is required.

Error Message `ACLTCAM-4-ACL_TCAM_FLOW_COUNTER_INVALIDATED: Flow counter for flow: vsan: [dec], sid: 0x[hex], did: 0x[hex] with statistics: frames = [dec] & bytes = [dec] was invalidated due to: [chars]`

Explanation ACLTCAM process invalidated the flow counter for flow VSAN [dec] SID [hex] DID [hex] with collected stats of [dec] frames and [dev] bytes was invalidated because of reason [[chars]].

Recommended Action No action is required.

Error Message `ACLTCAM-4-ACL_TCAM_FLOW_COUNTER_VALIDATED: Flow counter for flow: vsan: [dec], sid: 0x[hex], did: 0x[hex] is now valid`

Explanation ACLTCAM process validated the flow counter for flow VSAN [dec] SID [hex] DID [hex].

Recommended Action No action is required.

Error Message `ACLTCAM-4-ACL_TCAM_MTS_Q_HIGH: MTS queue for SAP [dec] is close to full`

Explanation MTS queue for SAP [dec] is close to full

Recommended Action No action is required.

ACLTCAM-6

Error Message `ACLTCAM-6-ACL_TCAM_STATUS: Status: [chars].`

Explanation ACLTCAM status is reported as: [chars].

Recommended Action No action is required.

ACL Messages

This section contains the ACL messages.

ACL-2

Error Message `ACL-2-ACL_HA_FAILURE: Failed to do high availability operation: [chars].`

Explanation Failed to do high availability operation. [chars] is the reason.

Recommended Action No action is required.

Error Message `ACL-2-ACL_INIT_FAILED: Initialization failed for ACL: [chars], reason: 0x[hex].`

Explanation Initialization failed for ACL due to [chars], reason: [hex].

Recommended Action No action is required.

Error Message `ACL-2-ACL_LINECARD_STATUS: Status from linecard: [dec], for module: [chars](ID: [dec]), status : [dec], error_id: 0x[hex], catastrophic: [chars], restart count: [dec].`

Explanation Status from linecard: [dec], for module: [chars](ID: [dec]), status : [dec], error_id: [hex], catastrophic: [chars], restart count: [dec].

Recommended Action No action is required.

Error Message `ACL-2-ACL_MTS_FAILURE: Failed to do MTS operation: [chars].`

Explanation Failed to do MTS operation. [chars] is the reason.

Recommended Action No action is required.

Error Message `ACL-2-ACL_MTS_Q_FULL: MTS queue for SAP [dec] is full`

Explanation MTS queue for SAP [dec] is full

Recommended Action No action is required.

Error Message `ACL-2-ACL_MTS_REGISTRATION_FAILED: MTS options setting to [hex] failed for opCode: [dec].`

Explanation MTS options setting to [hex] failed for opCode: [dec].

Recommended Action No action is required.

Error Message `ACL-2-ACL_PENDING_MSG_ARR_FULL: ACL Upgrade Pending Messages Array is Full with [dec] messages. Failing the MTS message with Opc: [dec], RR_TOKEN: 0x[hex]`

Explanation ACL Upgrade Pending Messages Array is Full with [dec] messages. Failing the MTS message with Opc: [dec], RR_TOKEN: [hex]

Recommended Action No action is required.

Error Message `ACL-2-ACL_PSS_FAILURE: Failed to do PSS operation: [chars], reason: 0x[hex].`

Explanation Failed to do PSS operation [chars]. [hex] is the reason.

Recommended Action No action is required.

Error Message `ACL-2-ACL_PSS_VER_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec].`

Explanation There was a mismatch in the PSS version. [chars] indicates the PSS service,

[dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version.

Recommended Action No action is required.

Error Message `ACL-2-ACL_RUNTIME_FAILURE: [chars] [dec], Error: 0x[hex]`

Explanation ACL runtime failure is reported as [chars] [dec], reason: [hex].

Recommended Action No action is required.

Error Message `ACL-2-ACL_TCAM_FAILURE: Failed to do TCAM operation: [chars].`

Explanation Failed to do TCAM operation. [chars] is the reason.

Recommended Action No action is required.

ACL-3

Error Message `ACL-3-ACL_MTS_Q_LEAK: Possible MTS buffer leak for SAP [dec]`

Explanation Possible MTS buffer leak for SAP [dec]

Recommended Action No action is required.

ACL-4

Error Message `ACL-4-ACL_MTS_Q_HIGH: MTS queue for SAP [dec] is close to full`

Explanation MTS queue for SAP [dec] is close to full

Recommended Action No action is required.

Error Message `ACL-4-ACL_WARNING: [chars] [dec]`

Explanation ACL warning messages is reported as [chars] [dec].

Recommended Action No action is required.

ACL-5

Error Message `ACL-5-ACL_ADJ_SHARING_STATUS: Successfully completed "[chars]" on Generation 2 linecards.`

Explanation Successfully completed the command \[chars]\ on Generation 2 linecards.

Recommended Action No action is required.

ACL-6

Error Message `ACL-6-ACL_DIAG_EVENT_STATUS: [chars] 0x[hex].`

Explanation ACL system health management event status is reported as [chars] [hex].

Recommended Action No action is required.

Error Message `ACL-6-ACL_E_PORT_EVENT_STATUS: [chars] [chars].`

Explanation ACL xEport event status is reported as [chars] [chars].

Recommended Action No action is required.

Error Message `ACL-6-ACL_FCC_EVENT_STATUS: [chars] [chars].`

Explanation ACL FCC event status is reported as [chars] [chars].

Recommended Action No action is required.

Error Message `ACL-6-ACL_LINECARD_EVENT_STATUS: [chars] [hex].`

Explanation ACL linecard event status is reported as [chars] [dec].

Recommended Action No action is required.

Error Message `ACL-6-ACL_MCAST_EVENT_STATUS: [chars] [chars].`

Explanation ACL multicast event status is reported as [chars] [chars].

Recommended Action No action is required.

Error Message `ACL-6-ACL_NX_PORT_EVENT_STATUS: [chars] [chars].`

Explanation ACL Nx Port event status is reported as [chars] [chars].

Recommended Action No action is required.

Error Message `ACL-6-ACL_PORT_MODE_EVENT_STATUS: [chars] [chars].`

Explanation ACL portmode event status is reported as [chars] [chars].

Recommended Action No action is required.

Error Message `ACL-6-ACL_RUNTIME_STATUS: [chars] [dec]`

Explanation ACL runtime status is reported as [chars] [dec].

Recommended Action No action is required.

Error Message `ACL-6-ACL_SPAN_DEST_CONFIG_STATUS: [chars] [chars].`

Explanation ACL SPAN destination config event status is reported as [chars] [chars].

Recommended Action No action is required.

Error Message `ACL-6-ACL_SPAN_SRC_CONFIG_STATUS: [chars] [chars].`

Explanation ACL SPAN source config event status is reported as [chars] [chars].

Recommended Action No action is required.

Error Message `ACL-6-ACL_STATUS: ACL Status: [chars].`

Explanation ACL status is reported as [chars].

Recommended Action No action is required.

Error Message `ACL-6-ACL_UPDATE_SSRAM_QOS_EVENT_STATUS: [chars] [chars].`

Explanation ACL update SSRAM for QoS event status is reported as [chars] [chars].

Recommended Action No action is required.

AMM Messages

This section contains the AMM messages.

AMM-SLOT#-0

Error Message `AMM-SLOT#-0-CLI_INIT_FAILED: CLI library initialization failed!`

Explanation AMM failed to initialize CLI infrastructure\'s backend library. This is a fatal error.

Recommended Action No action is required.

Error Message `AMM-SLOT#-0-TIMER_INIT_FAILED: Timer subsystem initialization failed!`

Explanation AMM failed to initialize timer library. This is a fatal error.

Recommended Action No action is required.

AMM-SLOT#-2

Error Message `AMM-SLOT#-2-AMM_MEM_ALLOC: Memory allocation failed. [chars]`

Explanation Memory allocation failed. This is a critical failure

Recommended Action No action is required.

Error Message `AMM-SLOT#-2-AMM_RECOVERY_ERROR: Error in Recovery: [chars]`

Explanation AMM failed to recover after a re-start. This is a fatal error.

Recommended Action No action is required.

AMM-SLOT#-6

Error Message `AMM-SLOT#-6-INITIALIZED: Internal state created [chars]`

Explanation AMM has created its internal state stateless/stateful [chars].

Recommended Action No action is required.

APPMGR Messages

This section contains the APPMGR messages.

APPMGR-1

Error Message `APPMGR-1-IOXCAF_ALERT: An alert from IOXCAF infra: [chars]`

Explanation Alert from IOXCAF infra

Recommended Action No action is required.

APPMGR-2

Error Message `APPMGR-2-APPMGR_SYSTEM_NOT_READY: System not ready. Enable feature app-hosting after few minutes.`

Explanation System is still coming up. App-hosting process is ending.

Recommended Action No action is required.

Error Message `APPMGR-2-APPMGR_TCAM_NOT_INIT: App-hosting TCAM entry not present. Setup reload is required for TCAM entry to take effect.`

Explanation App-hosting TCAM entry is no programmed. App-hosting process is ending.

Recommended Action No action is required.

APPMGR-3

Error Message `APPMGR-3-ACTIVATION_FAILURE: [chars] : [chars]`

Explanation Failed to start the app

Recommended Action No action is required.

Error Message `APPMGR-3-APPMGR_INSTALL_FAIL: Failed to place [chars] in deployed state. Current state is: [chars]`

Explanation Process failed to install.

Recommended Action No action is required.

Error Message `APPMGR-3-APP_START_FAILED: [chars] : Failed to start app [chars] with error: [dec] [chars]`

Explanation Failed to start the app

Recommended Action No action is required.

Error Message `APPMGR-3-APP_UPGRADE_FAILED: [chars] : Failed to upgrade app [chars]`

Explanation Failed to upgrade the app

Recommended Action No action is required.

Error Message `APPMGR-3-CFG_FAILURE: [chars] : Network config failure for the app[[chars]].`

Explanation Unable to delete static route in urib for app

Recommended Action No action is required.

Error Message `APPMGR-3-CONTAINER_INSTALL_FAIL: [chars] : Unable to install container app [chars]: [chars]`

Explanation Installation failed

Recommended Action No action is required.

Error Message `APPMGR-3-CREATE_BRIDGES_FAILED: [chars] : Creating CAF bridges failed for app [chars]`

Explanation Creation of CAF bridges failed

Recommended Action No action is required.

Error Message `APPMGR-3-HOST_NETWORKING_NOT_ALLOWED: [chars] : Host networking mode is allowed only for trusted apps`

Explanation Host networking mode is allowed only for trusted apps

Recommended Action No action is required.

Error Message `APPMGR-3-IOX_BUFFER_TOO_LARGE: IOX buffer too large: [dec] vs [dec], [dec]`

Explanation IOX Buffer size requirements too large for app-hosting buffers.

Recommended Action No action is required.

Error Message `APPMGR-3-NAT_CFG_FAILED: [chars] : Failed to configure NAT rules for sas agent [[chars]] agent ip [[chars]] source ip [[chars]] vrf [[chars]]`

Explanation NAT rules are unconfigurable for the sas agent

Recommended Action No action is required.

Error Message `APPMGR-3-UNTRUSTED_APP_ACTIVATION_ERR: [chars] : App config contains options that are allowed only for trusted apps`

Explanation App config contains options that are allowed only for trusted apps

Recommended Action No action is required.

APPMGR-4

Error Message `APPMGR-4-DOCKERBOX_DISK_SPACE_WARNING: [chars]: Disk space [dec] MB allocated is lower than requested for Dockerbox which may impact performance or functionality`

Explanation System has allocated less disk space than was requested for Dockerbox feature

Recommended Action No action is required.

Error Message `APPMGR-4-DOCKERBOX_TI_CONFIGURED: [chars]: Transport interface [chars] is associated with Dockerbox feature and may have restricted availability for other services`

Explanation Transport interface has been configured for use with Dockerbox feature

Recommended Action No action is required.

Error Message `APPMGR-4-DOCKERBOX_TI_REMOVED: [chars]: Transport interface [chars] is no longer associated with Dockerbox and can be used for other services`

Explanation Transport interface configuration for Dockerbox feature has been removed

Recommended Action No action is required.

Error Message `APPMGR-4-SAS_NO_SOURCE_INTERFACE: [chars]: Interface [chars] is no longer associated with HypershieldAgent and can be used for management, monitoring,routing protocols and network services`

Explanation The interface is no longer associated with HypershieldAgent

Recommended Action No action is required.

Error Message `APPMGR-4-SAS_SOURCE_INTERFACE: [chars]: Interface [chars] is explicitly used by HypershieldAgent and cannot be used for management, monitoring,routing protocols and network services`

Explanation The new sourced Interface is now used by HypershieldAgent

Recommended Action No action is required.

Error Message `APPMGR-4-SDWRAP_DBG_INIT_ERR: App-hosting failed to initialize debug log: 0x[hex] [chars]`

Explanation App-hosting failed to initialize debug log.

Recommended Action No action is required.

Error Message `APPMGR-4-SDWRAP_ERR_INIT_ERR: App-hosting failed to initialize error log: 0x[hex] [chars]`

Explanation App-hosting failed to initialize error log.

Recommended Action No action is required.

Error Message `APPMGR-4-SDWRAP_INIT_ERR: App-hosting failed to start logging: 0x[hex] [chars]`

Explanation App-hosting failed to start its logging infrastructure.

Recommended Action No action is required.

Error Message `APPMGR-4-SECURITY_LABEL: Failed to set process security label`

Explanation Failed to set process security label

Recommended Action No action is required.

APPMGR-5

Error Message `APPMGR-5-IOXCAF_NOTICE: Notice from IOXCAF infra: [chars]`

Explanation Notice from IOXCAF infra

Recommended Action No action is required.

APPMGR-6

Error Message `APPMGR-6-APPMGR_EXIT: App-hosting exiting with code [dec]`

Explanation App-hosting process is ending.

Recommended Action No action is required.

Error Message `APPMGR-6-CAF_NOT_STOPPED: CAF stop infra returned [chars]`

Explanation App-hosting container infrastructure failed to stop.

Recommended Action No action is required.

Error Message `APPMGR-6-CAF_RESET: Resetting CAF infra to apply the new storage limit. Apps will be restarted`

Explanation Storage limit requires CAF to be reset to take effect, so that is being done here.

Recommended Action No action is required.

Error Message `APPMGR-6-CAF_STOPPED: Successfully stopped CAF infra`

Explanation App-hosting container infrastructure has been stopped.

Recommended Action No action is required.

Error Message `APPMGR-6-CAF_STOP_REQ: Sent request to STOP CAF infra`

Explanation A request was sent to stop the app-hosting container infrastructure.

Recommended Action No action is required.

Error Message `APPMGR-6-IOXCAF_INFO: Information from IOXCAF infra: [chars]`

Explanation Information from IOXCAF infra

Recommended Action No action is required.

ASCII-CFG Messages

This section contains the ASCII-CFG messages.

ASCII-CFG-2

Error Message `ASCII-CFG-2-ACFG_CONFIGURATION_APPLY_ERROR: Error encountered while Ascii configuration was being applied. Please use "show startup-config log" or "show startup-config mdp-log" to view details`

Explanation At least one command failed while Ascii configuration was being applied

Recommended Action No action is required.

Error Message `ASCII-CFG-2-ACFG_CR_FEATURE_BFD_DISABLED: Operation failed because [chars]`

Explanation Feature bfd is required for command - ip route static bfd

Recommended Action No action is required.

Error Message `ASCII-CFG-2-ACFG_LIB_INVOKE_ERR: Ascii config library invocation error: [chars]`

Explanation Error encountered while library function was being invoked to display Ascii configuration

Recommended Action No action is required.

Error Message `ASCII-CFG-2-ACFG_OPER_FAIL: Operation failed because of [chars]`

Explanation Operation failed

Recommended Action No action is required.

Error Message `ASCII-CFG-2-ACFG_ROLLBACK_FAILED: Rollback to checkpoint [chars] Failed, Going to undo the changes (atomic option)`

Explanation Rollback operation failed for atomic option

Recommended Action No action is required.

Error Message `ASCII-CFG-2-ACFG_ROLLBACK_UNDO_FAILED: Undo failed for atomic Rollback, Please correct the error manually and retry rollback`

Explanation Undoing the rollback changes (for atomic behavior) Failed

Recommended Action No action is required.

Error Message `ASCII-CFG-2-ACFG_SYSLOG_INIT_FAILED: Ascii config Syslog Init Error`

Explanation Error encountered while Initializing Syslog for Ascii Config

Recommended Action No action is required.

Error Message `ASCII-CFG-2-CONFIG_REPLAY_STATUS: [chars] Replay [chars].`

Explanation Bootstrap or Ascii Configuration Replay Status info.

Recommended Action No action is required.

Error Message `ASCII-CFG-2-CONF_CONTROL: [chars]`

Explanation Configuration restore control info.

Recommended Action No action is required.

Error Message `ASCII-CFG-2-CR_RESTORE_FAIL: [chars]`

Explanation Config restore failed during Configure replace

Recommended Action No action is required.

Error Message `ASCII-CFG-2-PSS_VER_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec]`

Explanation There was a mismatch in the PSS version. [chars] indicates the PSS service, [dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `ASCII-CFG-2-SYSERR_ACFG_NO_STARTUP_CFG_FILE: [chars]`

Explanation Startup configuration file is empty

Recommended Action No action is required.

ASCII-CFG-3

Error Message `ASCII-CFG-3-ACFG_MTSERROR: [chars]`

Explanation Ascii-cfg-server (rollback process) encountered an MTS error. [chars] specifies the context where the error occurred.

Recommended Action No action is required.

ASCII-CFG-6

Error Message `ASCII-CFG-6-ACFG_CHECKPOINT_CLEAR_DATABASE: cleared all the configuration checkpoints`

Explanation Cleared all the configuration checkpoints

Recommended Action No action is required.

Error Message `ASCII-CFG-6-ACFG_CHECKPOINT_CREATED: Created configuration checkpoint [chars]`

Explanation Created configuration checkpoint

Recommended Action No action is required.

Error Message `ASCII-CFG-6-ACFG_CHECKPOINT_DELETED: Deleted configuration checkpoint [chars]`

Explanation Deleted configuration checkpoint

Recommended Action No action is required.

Error Message `ASCII-CFG-6-ACFG_MAX_CHECKPOINTS: Maximum no of checpoints reached, Removing the oldest checkpoint`

Explanation Maximum no.of checkpoints reached, removing the oldest checkpoint

Recommended Action No action is required.

Error Message `ASCII-CFG-6-ACFG_ROLLBACK_ATOMIC: Performing configuration rollback to checkpoint [chars] (with atomic option)`

Explanation Performing configuration rollback with atomic option

Recommended Action No action is required.

Error Message `ASCII-CFG-6-ACFG_ROLLBACK_BEST: Performing configuration rollback to checkpoint [chars] (with best-effort option)`

Explanation Performing configuration rollback with best-effort option

Recommended Action No action is required.

Error Message `ASCII-CFG-6-ACFG_ROLLBACK_FIRST_ERR: Performing configuration rollback to checkpoint [chars] (with stop-at-first failure option)`

Explanation Performing configuration rollback with stop-at-first-failure option

Recommended Action No action is required.

Error Message `ASCII-CFG-6-INFORMATION: [chars]`

Explanation An event happend that affects Acfg-Rollback. [chars] indicates the event

Recommended Action No action is required.

Error Message `ASCII-CFG-6-PSS_ERR: [chars]`

Explanation An error occurred during an Acfg PSS operation. [chars] indicates the PSS operation that caused the error

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

ASSOC_MGR Messages

This section contains the ASSOC_MGR messages.

ASSOC_MGR-0

Error Message `ASSOC_MGR-0-EMERGENCY_MSG: [chars]`

Explanation Association Manager Emergency Message

Recommended Action Please file the bug for Association Manager Component thro' CDETS

ASSOC_MGR-1

Error Message `ASSOC_MGR-1-ALERT_MSG: [chars]`

Explanation Association Manager Alert Message

Recommended Action Association Manager Internal Operation Alert

ASSOC_MGR-2

Error Message `ASSOC_MGR-2-CRITICAL_MSG: [chars]`

Explanation Association Manager Critical Message

Recommended Action No action is required.

ASSOC_MGR-3

Error Message `ASSOC_MGR-3-ERROR_MSG: [chars]`

Explanation Association Manager Error Message

Recommended Action No action is required.

ASSOC_MGR-4

Error Message `ASSOC_MGR-4-WARN_MSG: [chars]`

Explanation Association Manager Warning Message

Recommended Action No action is required.

ASSOC_MGR-5

Error Message `ASSOC_MGR-5-NOTIF_MSG: [chars]`

Explanation Association Manager Notification Message

Recommended Action No action is required.

ASSOC_MGR-6

Error Message `ASSOC_MGR-6-ASSOC_ACTIVATED: Association Activated for vlan id:[dec] <--> vsan id:[dec]`

Explanation Association Activated

Recommended Action No action is required.

Error Message `ASSOC_MGR-6-ASSOC_CREATED: Association Created for vlan id:[dec] <--> vsan id:[dec]`

Explanation Association Created

Recommended Action No action is required.

Error Message `ASSOC_MGR-6-ASSOC_DEACTIVATED: Association Deactivated for vlan id: [dec] <--> vsan id: [dec]`

Explanation Association Deactivated

Recommended Action No action is required.

Error Message `ASSOC_MGR-6-ASSOC_DELETED: Association Deleted for vlan id: [dec] <--> vsan id: [dec]`

Explanation Association Deleted

Recommended Action No action is required.

Error Message `ASSOC_MGR-6-ASSOC_MGR_STATEFULL_RESTART: Association Manager Statefull Restart`

Explanation Association Manager Stateful Restart

Recommended Action No action is required.

Error Message `ASSOC_MGR-6-ASSOC_MGR_STATELESS_RESTART: Association Manager Stateless Restart`

Explanation Association Manager Stateless Restart

Recommended Action No action is required.

Error Message `ASSOC_MGR-6-ASSOC_OPER_STATUS_CHG: Association status for vlan id: [dec] <--> vsan id: [dec] changed from [chars] to [chars]`

Explanation Association Operational State Change

Recommended Action No action is required.

Error Message `ASSOC_MGR-6-INFO_MSG: [chars]`

Explanation ASSOC Manager Informational Message

Recommended Action No action is required.

ASSOC_MGR-7

Error Message `ASSOC_MGR-7-DEBUG_MSG: [chars]`

Explanation Association Manager Debug Message

Recommended Action No action is required.

AUDIT Messages

This section contains the AUDIT messages.

AUDIT-2

Error Message `AUDIT-2-AUDITD_EXIT: [chars]`

Explanation Audit service exited and may not continue operation

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

AUDIT-6

Error Message `AUDIT-6-EVENT: [chars]`

Explanation Audit log generated from the kernel audit system

Recommended Action ACTION_KEEP_RUNNING

BFDC Messages

This section contains the BFDC messages.

BFDC-SLOT#-2

Error Message `BFDC-SLOT#-2-BFDC_GENERAL_FAILURE: General failure. [chars]`

Explanation General failure. This is a critical failure

Recommended Action No DDTS.

Error Message `BFDC-SLOT#-2-BFDC_MALLOC_FAILED: Memory allocation failed. [chars]`

Explanation Memory allocation failed. This is a critical failure

Recommended Action No DDTS.

Error Message `BFDC-SLOT#-2-BFDC_MTS_FAILURE: MTS failure. [chars]`

Explanation MTS related failure. This is a critical failure

Recommended Action No DDTS.

BFD Messages

This section contains the BFD messages.

BFD-3

Error Message `BFD-3-REACHED_CAPACITY_LIMIT: BFD session [chars] creation on interface [chars] failed due to capacity limit [dec]`

Explanation BFD session [chars] creation on interface [chars] failed due to current capacity limit [dec]

Recommended Action Please remove current bfd sessions to make room for new ones

Error Message `BFD-3-SESSION_ACL_INSTALL_GAVE_UP: BFD session [chars] installation failed due to ACL installation failure interface [chars]`

Explanation BFD session [chars] installation failed due to ACL installation failure interface [chars

Recommended Action Maximum acl install retries exceeded. Please to free up acl resources

Error Message `BFD-3-SESSION_ACL_REMOVE_GAVE_UP: BFD session [chars] removal failed due to ACL removal failure interface [chars]`

Explanation BFD session [chars] removal failed due to ACL removal failure interface [chars

Recommended Action Maximum acl removal retries exceeded. Please manually remove bfd sessions

Error Message `BFD-3-SESSION_CREATE_FAIL: Failed to create BFD session to neighbor [chars] over intertface [chars]. Reason [chars]`

Explanation Failed to create BFD session to neighbor [chars] over intertface [chars] Reason [chars]

Recommended Action SYSLOGDPC_NO_ACTION

BFD-4

Error Message `BFD-4-INVALID_NBR: Attempt to BFD session failed for application [chars].`

Explanation Attempt to BFD session failed for application [chars].

Recommended Action No action is required.

Error Message `BFD-4-SESSION_DELETE_FAIL: Attempt to delete BFD session for neighbor [chars] failed: Reason [chars] (0x[hex]).`

Explanation Attempt to delete BFD session for neighbor [chars] failed: Reason [chars] (0x[hex]).

Recommended Action No action is required.

BFD-5

Error Message `BFD-5-AGGRESSIVE_TIMER_SCALE: Aggressive Timers (1-49) ms is configured in BFD: Supported scale is [dec]`

Explanation Aggressive Timers (1-49) ms is configured in BFD: Supported scale is [dec]

Recommended Action No action is required.

Error Message `BFD-5-BFD_DISABLED: BFD Disabled`

Explanation BFD Service Disabled

Recommended Action No action is required.

Error Message `BFD-5-BFD_ENABLED: BFD Enabled`

Explanation BFD Service enabled

Recommended Action No action is required.

Error Message `BFD-5-MULTIHOP_BFD_NON_DEFAULT_VRF_NOT_SUPPORTED: Multihop BFD is not supported on this platform with non-default VRF`

Explanation Multihop BFD session on unsupported VRF/Platform

Recommended Action No action is required.

Error Message `BFD-5-MULTIHOP_BFD_NOT_SUPPORTED: Multihop BFD is not supported on this platform`

Explanation Multihop BFD session on unsupported Platforms

Recommended Action No action is required.

Error Message `BFD-5-SESSION_CREATED: BFD session to neighbor [chars] on interface [chars] has been created`

Explanation BFD session to neighbor [chars] on interface [chars]

Recommended Action No action is required.

Error Message `BFD-5-SESSION_LOCAL_PARAMS_CHANGE: Local parameter of BFD session 0x[hex] has changed [chars]`

Explanation Local parameter of BFD session 0x[hex] has changed [chars]

Recommended Action No action is required.

Error Message `BFD-5-SESSION_MOVED: BFD session 0x[hex]: [chars]`

Explanation BFD session 0x[hex]: [chars]

Recommended Action No action is required.

Error Message `BFD-5-SESSION_NO_RESOURCES: No resource for session to neighbor [chars] on interface [chars]`

Explanation The BFD session can not be created or modified due to lack of resources. No resources for session to neighbor [chars]

Recommended Action Remove other BFD sessions to free resources for this session

Error Message `BFD-5-SESSION_REMOVED: BFD session to neighbor [chars] on interface [chars] has been removed`

Explanation BFD session to neighbor [chars] on interface [chars]

Recommended Action No action is required.

Error Message `BFD-5-SESSION_STATE_DOWN: BFD session [chars] to neighbor [chars] on interface [chars] has gone down. Reason: [chars].`

Explanation BFD session [chars] to neighbor [chars] on interface [chars] has gone down. Reason: [chars]. This may be as a result of the forwarding path being down.

Recommended Action No action is required.

Error Message `BFD-5-SESSION_STATE_UP: BFD session [chars] to neighbor [chars] on interface [chars] is up.`

Explanation BFD session [chars] to neighbor [chars] on interface [chars] is up.

Recommended Action No action is required.

Error Message `BFD-5-SRTE_BFD_ECHO_NOT_SUPPORTED: SRTE BFD ECHO is not supported on this platform`

Explanation SRTE BFD ECHO session on unsupported Platforms

Recommended Action No action is required.

Error Message `BFD-5-TRAFFIC_DUPLICATION_WARNING: Please remove 'bfd vpc-watch' before any admin operations in VPC watchdog interface [chars]`

Explanation Admin operation on the VPC watchdog PO interface [chars] might cause traffic duplication

Recommended Action No action is required.

BFD-6

Error Message `BFD-6-SESSION_ACL_INSTALL_FAILED: BFD session [chars] failed due to missing ACL resources for interface [chars]`

Explanation BFD session [chars] failed due to missing ACL resources for interface [chars]

Recommended Action No action is required.

Error Message `BFD-6-SESSION_ACL_REMOVE_FAILED: BFD session [chars] removal failed due to missing ACL resources for interface [chars]`

Explanation BFD session [chars] removal failed due to missing ACL resources for interface [chars]

Recommended Action No action is required.

Error Message `BFD-6-SESSION_ACTIVE_PARAMS_CHANGE: Local parameter of BFD session 0x[hex] has changed [chars]`

Explanation Local parameter of BFD session 0x[hex] has changed [chars]

Recommended Action No action is required.

BIOS_DAEMON Messages

This section contains the BIOS_DAEMON messages.

BIOS_DAEMON-2

Error Message `BIOS_DAEMON-2-BIOS_DAEMON_FLASH_WARNING: Flash chip not supported by running image. Skipping bios upgrade.`

Explanation BIOS CHIP NOT SUPPORTED

Recommended Action No action is required.

Error Message `BIOS_DAEMON-2-BIOS_DAEMON_PRI_BOOT_FAIL: System booted from Alternate BIOS Flash`

Explanation Boot from Alternate

Recommended Action SYSLOGDOC_NOACTION

Error Message `BIOS_DAEMON-2-BIOS_DAEMON_SUP_ERROR: BIOS Sector ([dec]) is write protected`

Explanation BIOS WRITE PROTECTED

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

BIOS_DAEMON-5

Error Message `BIOS_DAEMON-5-BIOS_DAEMON_PRI_BOOT: System booted from Primary BIOS Flash`

Explanation Boot from Primary

Recommended Action SYSLOGDOC_NOACTION

BIOS_DAEMON-SLOT#-2

Error Message `BIOS_DAEMON-SLOT#-2-BIOS_DAEMON_LC_ERROR: BIOS Sector ([dec]) is write protected`

Explanation BIOS WRITE PROTECTED

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `BIOS_DAEMON-SLOT#-2-BIOS_DAEMON_LC_PRI_BOOT_FAIL: System booted from Alternate BIOS Flash`

Explanation Boot from Alternate

Recommended Action SYSLOGDOC_NOACTION

BIOS_DAEMON-SLOT#-5

Error Message `BIOS_DAEMON-SLOT#-5-BIOS_DAEMON_LC_PRI_BOOT: System booted from Primary BIOS Flash`

Explanation Boot from Primary

Recommended Action SYSLOGDOC_NOACTION

BOOTUP_TEST Messages

This section contains the BOOTUP_TEST messages.

BOOTUP_TEST-2

Error Message `BOOTUP_TEST-2-EOBC_FAIL: Module [dec] has failed test [chars] on EOBC due to error [chars]`

Explanation Online diagnostics EOBC test has failed

Recommended Action No action is required.

Error Message `BOOTUP_TEST-2-EOBC_SKIP: Module [dec] has failed test [chars] on EOBC due to error [chars]`

Explanation Online diagnostics ManagementPort test has failed

Recommended Action No action is required.

Error Message `BOOTUP_TEST-2-MGMT_PORT_FAIL: Module [dec] has failed test [chars] on Management Port due to error [chars]`

Explanation Online diagnostics ManagementPort test has failed

Recommended Action No action is required.

Error Message `BOOTUP_TEST-2-MGMT_PORT_SKIP: Module [dec] has skipped test [chars] on Management Port due to error [chars]`

Explanation Online diagnostics ManagementPort test is skipped

Recommended Action No action is required.

BOOTVAR Messages

This section contains the BOOTVAR messages.

BOOTVAR-2

Error Message `BOOTVAR-2-ALLOC_MEMORY: Memory allocation failed`

Explanation The service failed to allocate memory.

Recommended Action Check if the system is low on memory, if so reset the switch.

Error Message `BOOTVAR-2-AUTOCOPY_FAILED: Autocopy of file [chars] to standby failed. [chars] (Error-id: 0x[hex])`

Explanation The image deemed to be copied to standby via the auto-copy feature failed.

Recommended Action Check error id for specified reason. To retrigger auto-copy, unconfigure the boot variable and then reconfigure it.

Error Message `BOOTVAR-2-AUTOSYNC_FAILED: Image autosync failed. Reason: [chars] ([hex])`

Explanation Image synchronization failed.

Recommended Action Check that there is enough space on the flash, as well as system high availability status.

Error Message `BOOTVAR-2-BOOT_NXOS_DOWNGRADE: Boot variable has been modified for a downgrade. Downgrade by manually setting boot variables is not supported as configuration may be lost after reboot.`

Explanation Downgrading by manually configuring the boot variables is not supported. This method may result in loss of configuration and disruption to traffic.

Recommended Action Use the 'install all' CLI command to convert configuration between versions automatically during downgrades.

Error Message `BOOTVAR-2-BOOT_NXOS_UPGRADE: Boot variable has been modified for an upgrade. Upgrade by manually setting boot variables is not recommended as configuration may be lost after reboot.`

Explanation Upgrading by manually configuring the boot variables is not recommended. This method may result in loss of configuration and disruption to traffic.

Recommended Action Use the 'install all' CLI command to convert configuration between versions automatically during upgrades.

Error Message `BOOTVAR-2-CONFIG_ERROR: Failed to update boot configuration`

Explanation An error has occurred during the update of the boot configuration files

Recommended Action Check that there is enough space on the flash, show boot to check the configured image names, show loader internal configuration to compare them with the current bootloader configuration, if they are not coherent do write erase and retry to save the configuration.

Error Message `BOOTVAR-2-IMAGE_NOT_COMPATIBLE: Warning: image [chars] is not compatible with the current platform in SUP [dec]`

Explanation The input image name is not compatible with the current platform.

Recommended Action Make sure a right image is specified before reboot.

BOOTVAR-3

Error Message `BOOTVAR-3-AUTOCOPY_FAILED_STANDBY_FULL: Autocopy of file [chars] to standby failed due to not enough disk space on standby`

Explanation There is not enough disk space on the standby for the file to be copied.

Recommended Action Clear space on the standby disk. To retrigger auto-copy, unconfigure the boot variable and then reconfigure it.

Error Message `BOOTVAR-3-INIT_FAILED: Initialization failed: Component [chars]`

Explanation The service failed to start The failure occurs during initialization of the component [chars].

Recommended Action Show processes to check the status of the other processes, pay attention to the specified component.

Error Message `BOOTVAR-3-LOAD_VERIFY_LIB_FAILED: Fetching library [chars] failed, reason=[chars]`

Explanation Failed to load bootvar specified verification library.

Recommended Action No action is required.

Error Message `BOOTVAR-3-MODULE_LOCK_FAIL: Unable to get module lock, please don't reload`

Explanation Unable to acquire modlock to prevent user to reload during auto-sync.

Recommended Action No action is required.

Error Message `BOOTVAR-3-NEIGHBOR_REJECT_AUTOCOPY: auto-copy failed - not supported by neighbor supervisor.`

Explanation Standby supervisor does not support auto-copy, thus failed.

Recommended Action No action is required.

Error Message `BOOTVAR-3-VERIFY_FAILED: Image [chars] for bootvar [chars] verification failed, reason=[chars]`

Explanation The image set for this bootvar has failed the verification process, this is just a warning.

Recommended Action Check reason to determine actions.

BOOTVAR-5

Error Message `BOOTVAR-5-AUTOCOPY_SUCCEED: auto-copy of file [chars] to standby supervisor succeed`

Explanation Auto copy of the file succeed, image integrity verified by standby.

Recommended Action No action is required.

Error Message `BOOTVAR-5-AUTOCOPY_VERIFY_SEND_FAILED: Unable to ask standby to verify file [chars], error = [hex]`

Explanation Upon copied the image to standby, failed to send message to ask standby to verify integrity.

Recommended Action Turn auto-copy off and back on.

Error Message `BOOTVAR-5-AUTOSYNC_DONE: Image autosync done`

Explanation The image synchronization done successfully.

Recommended Action No action is required.

Error Message `BOOTVAR-5-AUTOSYNC_REBOOT: Rebooting standby after successful autosync`

Explanation Image autosync has been successful, resetting the standby supervisor to load the new image.

Recommended Action Check that the standby sup reloads correctly.

Error Message `BOOTVAR-5-AUTOSYNC_START: Starting image autosync. Please wait until completion...`

Explanation The standby-sup has requested the sync of the current image.

Recommended Action No action is required.

Error Message `BOOTVAR-5-IMAGE_NOTEXISTS_ACTIVE: Warning: image [chars] doesn't exist on active sup`

Explanation The input image name doesn't exist on the active supervisor.

Recommended Action Check whether the input image name you entered exists and make sure that you have the image on the flash before reboot.

Error Message `BOOTVAR-5-IMAGE_NOTEXISTS: Warning: image [chars] doesn't exist on sup[dec]`

Explanation The input image name doesn't exist on the specified supervisor.

Recommended Action Check whether the input image name you entered exists and make sure that you have the image on the flash before reboot.

Error Message `BOOTVAR-5-INVALID_NXOS_IMAGE: Warning: This is not a valid NXOS image`

Explanation This is not a valid NXOS image

Recommended Action Check whether the input image name you entered is valid NXOS image

Error Message `BOOTVAR-5-NEIGHBOR_UPDATE_AUTOCOPY: auto-copy supported by neighbor supervisor, starting...`

Explanation Info log reporting standby's support of auto-copy. Auto-copy is being started.

Recommended Action No action is required.

BOOTVAR-6

Error Message `BOOTVAR-6-ALREADY_IN_SYNC: Image already in sync`

Explanation No need to update the image on the standby-sup.

Recommended Action No action is required.

Error Message `BOOTVAR-6-AUTOCOPY_DID_NOT_START: Autocopy of file [chars] to standby did not start. [chars] (Error-id: 0x[hex])`

Explanation Autocopy of the file did not start as the remote copy location does not exist

Recommended Action No action is required.

Error Message `BOOTVAR-6-CONFIG_UPDATED: Boot configuration updated`

Explanation The boot-loader configuration files have been successfully updated.

Recommended Action No action is required.

Error Message `BOOTVAR-6-STARTING: Boot configuration initialized`

Explanation The service has successfully started.

Recommended Action No action is required.

CALLHOME Messages

This section contains the CALLHOME messages.

CALLHOME-2

Error Message `CALLHOME-2-EVENT: [chars]`

Explanation Callhome event [chars] occurred.

Recommended Action If you have configured your email address to receive callhome notifications, please check your email for more details about this callhome event. If callhome was not enabled, please execute CLI commands relevant to the callhome event to get more information about the error

Error Message `CALLHOME-2-PROGRAM_EXIT: callhome process ending: [chars]`

Explanation Callhome process is exiting with reason [chars].

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

CALLHOME-3

Error Message `CALLHOME-3-CALLHOME_CFS_MERGE_OPERATION_FAILED: [chars]`

Explanation [chars1]

Recommended Action Please check the reason for the failure of the cfs operation and rectify the problem

Error Message `CALLHOME-3-CALLHOME_CFS_OPERATION_FAILED: [chars] : [chars]`

Explanation [chars1] [chars2]

Recommended Action Please check the reason for the failure of the cfs operation and rectify the problem

Error Message `CALLHOME-3-CALLHOME_MAX_ALERT_MSG: [chars]`

Explanation [chars]

Recommended Action Please check the reason for the generation of the callhome messages and rectify the problem

Error Message `CALLHOME-3-EVENT_PROCESS_ERROR: error in processing callhome event [chars] reason:[chars]`

Explanation Error in processing callhome event [chars] reason:[chars]

Recommended Action Please check your callhome configuration for properconfiguration. Please check SMTP server address, email addresses for destination profiles and enable status of callhome. Use "show callhome" commands for displaying configuration.

Error Message `CALLHOME-3-MESSAGE_SIZE_EXCEED: message size for callhome alert:[chars] exceeds maximum limit for destination profile:[chars]`

Explanation Message size for callhome alert:[chars] exceeds maximum limit for destination profile:[chars]

Recommended Action Please check the maximum message size for the destination profile under question. Increase it if possible to match the maximum limit allowed by your email destinations.

CALLHOME-6

Error Message `CALLHOME-6-NONCRIT_EVENT: [chars]`

Explanation Non-critical Callhome event [chars] occurred.

Recommended Action If you have configured your email address to receive callhome notifications, please check your email for more details about this callhome event. If callhome was not enabled, please execute CLI commands relevant to the callhome event to get more information about the error

CDP Messages

This section contains the CDP messages.

CDP-2

Error Message `CDP-2-ALLOCFAIL: Heap Memory allocation failed: [chars]`

Explanation CDP Daemon is out of dynamic memory. [chars] specifies the context where the failure occurred.

Recommended Action No action is required.

Error Message `CDP-2-CDP_FEX_RX_PAYLOAD_TOO_BIG: CDP fex rx payload len is too big. opr [dec], if_index:0x[hex], from [dec]/[dec] payload_len:[dec]`

Explanation CDP PDU payload len is too big This is a warning message.

Recommended Action No action is required.

Error Message `CDP-2-GENERROR: [chars]`

Explanation CDP Daemon encountered a general error, one that does not fall in any of the above categories. [chars] describes the error and its context.

Recommended Action No action is required.

Error Message `CDP-2-INITFAIL: CDP Daemon Initialization failed: [chars]`

Explanation CDP Daemon Initialization failed. [chars] explains the reason for the failure.

Recommended Action No action is required.

Error Message `CDP-2-MCASTBINDFAIL: Failed to bind for CDP multicast address on interface 0x[hex] - [chars]`

Explanation An attempt to register for packets destined to the CDP multicast address failed. [dec] identifies the interface [char] identifies the reason.

Recommended Action No action is required.

Error Message `CDP-2-MTSERROR: [chars]`

Explanation CDP Daemon encountered an MTS error. [chars] specifies the context where the error occurred.

Recommended Action No action is required.

Error Message `CDP-2-PKTRECVFAIL: Failed to receive packet - [chars]`

Explanation Failed to receive packet. [char] identifies the reason.

Recommended Action No action is required.

Error Message `CDP-2-SOCKBINDFAIL: Failed to bind to raw socket, interface 0x[hex] - [chars]`

Explanation Failed to bind to raw socket. [dec] identifies the interface [char] identifies the reason.

Recommended Action No action is required.

Error Message `CDP-2-SOCKOPENFAIL: Failed to open socket for receiving raw 802_2 packets - [chars]`

Explanation An attempt to open a socket for receiving raw 802_2 packets failed. [char] identifies the reason.

Recommended Action No action is required.

CDP-3

Error Message `CDP-3-PKTSENDFAIL: Failed to send packet, interface 0x[hex] - [chars]`

Explanation Failed to send packet. [dec] identifies the interface [char] identifies the reason.

Recommended Action No action is required.

Error Message `CDP-3-PSSERROR: [chars]`

Explanation CDP Daemon encountered a PSS error. [chars] specifies the context where the failure occurred.

Recommended Action No action is required.

CDP-4

Error Message `CDP-4-CDP_PDU_PAYLOAD_TOO_BIG: CDP PDU payload len is too big over [dec], if_index:0x[hex], payload_len:[dec](ext_hdr:[dec])`

Explanation CDP PDU payload len is too big This is a warning message.

Recommended Action No action is required.

Error Message `CDP-4-DUPLEX_MISMATCH: Duplex mismatch discovered on [chars], with [chars]`

Explanation Duplex mismatch discovered from the received cdp packet This is a warning message.

Recommended Action No action is required.

Error Message `CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on [chars]([dec]), with [chars]([dec])`

Explanation Native VLAN mismatch discovered This is a warning message.

Recommended Action No action is required.

CDP-5

Error Message `CDP-5-DISABLED: CDP is disabled`

Explanation CDP is disabled on the device.

Recommended Action No action is required.

Error Message `CDP-5-ENABLED: CDP is enabled`

Explanation CDP is enabled on the device.

Recommended Action No action is required.

Error Message `CDP-5-NEIGHBOR_ADDED: Device [chars] discovered of type [chars] with port [chars] on incoming port [chars] with ip addr [chars] and mgmt ip [chars]`

Explanation Discovered a neighbor device. This is an informational message.

Recommended Action No action is required.

Error Message `CDP-5-NEIGHBOR_REMOVED: CDP Neighbor [chars] on port [chars] has been removed`

Explanation Deleted a neighbor device. This is an informational message.

Recommended Action No action is required.

CDP-6

Error Message `CDP-6-CDPDUP: CDP Daemon Up.`

Explanation CDP Daemon was created successfully and is up and running. This is an informational message.

Recommended Action No action is required.

Error Message `CDP-6-CDPEXIT: CDP Daemon shutting down gracefully.`

Explanation CDP Daemon is shutting down gracefully. This is an informational message.

Recommended Action No action is required.

Error Message `CDP-6-PORTDISABLE: CDP disabled on port [chars]`

Explanation CDP was disabled on a given port. [chars] is the interface-ID string that identifies the port. This is an informational message.

Recommended Action No action is required.

Error Message `CDP-6-PORTDOWN: A CDP enabled port [chars] went down.`

Explanation A CDP enabled port became un-operational. [chars] is the interface-ID string that identifies the port. This is an informational message.

Recommended Action No action is required.

Error Message `CDP-6-PORTENABLE: CDP enabled on port [chars]`

Explanation CDP was enabled on a given port. [chars] is the interface-ID string that identifies the port. This is an informational message.

Recommended Action No action is required.

Error Message `CDP-6-PORTUP: A CDP enabled port [chars] came up.`

Explanation A CDP enabled port became operational. [chars] is the interface-ID string that identifies the port. This is an informational message.

Recommended Action No action is required.

CERT_ENROLL Messages

This section contains the CERT_ENROLL messages.

CERT_ENROLL-2

Error Message `CERT_ENROLL-2-CERT_EN_PROGRAM_EXIT: cert_enroll daemon exiting: [chars]`

Explanation Cert_enroll daemon is exiting.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

CERT_ENROLL-3

Error Message `CERT_ENROLL-3-CERT_EN_ERROR_MESSAGE: [chars]`

Explanation CERT_ENROLL Error Message

Recommended Action No action is required.

Error Message `CERT_ENROLL-3-CERT_EN_FIPS_MODE_INIT_ERROR: Could not initialize FIPS mode : [chars]`

Explanation FIPS mode initialization error

Recommended Action No action is required.

Error Message `CERT_ENROLL-3-CERT_EN_IMPORT_TRUSTPOOL_ERROR: Trustpool import from URL : [chars] failed`

Explanation Trustpool download

Recommended Action No action is required.

Error Message `CERT_ENROLL-3-CERT_EN_TRUSTPOOL_INIT_ERROR: Trustpool initialization error : [dec]`

Explanation Trustpool initialization

Recommended Action No action is required.

Error Message `CERT_ENROLL-3-CERT_EN_TRUSTPOOL_TIMER_ERROR: Trustpool timer error : [chars]`

Explanation Trustpool download timer

Recommended Action No action is required.

CERT_ENROLL-6

Error Message `CERT_ENROLL-6-CERT_EN_IMPORT_TRUSTPOOL: Successfully imported trustpool from URL : [chars]`

Explanation Trustpool download

Recommended Action No action is required.

Error Message `CERT_ENROLL-6-CERT_EN_MESSAGE: [chars]`

Explanation CERT_ENROLL Message

Recommended Action No action is required.

CFS Messages

This section contains the CFS messages.

CFS-2

Error Message `CFS-2-CFS_REJECT: CFS reject: [chars]: Switch WWN [chars], ip [chars], reason [chars]`

Explanation CFS reject: [chars] Switch WWN [chars], ip [chars], reason [chars]

Recommended Action No action is required.

Error Message `CFS-2-EXITING: Exit reason: [chars]`

Explanation The CFS service process has exited due to [char]. The process has probably been restarted automatically.

Recommended Action No action is required.

Error Message `CFS-2-GENERAL_ERROR: [chars]`

Explanation The CFS service has encountered an critical error. The description of error is [str.]

Recommended Action No action is required.

Error Message `CFS-2-INITFAIL: CFS Service Init failed: [chars]`

Explanation CFS Service initialization failed. [chars] explains the reason for the failure.

Recommended Action No action is required.

Error Message `CFS-2-LOCK_FAILED: lock failed for sap [dec] due to internal error.`

Explanation Lock failed due to Unrestricted uncoordinated count is out of sync for sap [dec]

Recommended Action To recover from this state run command 'cfs internal decrement-unrestricted '

Error Message `CFS-2-MALLOC_ERROR: Size [dec] bytes`

Explanation The CFS service could not allocate memory.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `CFS-2-MTS_REJECT: Verification failed reject MTS message SAP [dec]:RR-token 0x[hex]`

Explanation This MTS message could have been posted by the previous active running pre 3.x; MTS structure has changed since then hence ignore the MTS message, Source SAP [dec]; RR-token [hex]

Recommended Action No action is required.

Error Message `CFS-2-PSS_ERROR: [chars]: PSS ret. val=[dec]`

Explanation The CFS service encountered error while operating on a persistent storage database.

Recommended Action No action is required.

Error Message `CFS-2-VDC_MGR_FAIL: Failed to get a valid switch mac from VDC Manager: [chars]`

Explanation VDC manager did not respond with a proper MAC address. It could have been because of a timeout in MTS received

Recommended Action No action is required.

CFS-3

Error Message `CFS-3-ALLOCFAIL: Heap Memory allocation failed: [chars]`

Explanation CFS Service is out of dynamic memory. [chars] specifies the context where the failure occured

Recommended Action No action is required.

Error Message `CFS-3-APP_MERGE_FAILED: Merge failed for app [chars], local switch wwn [chars], remote switch wwn [chars].Please check 'show cfs merge status name [chars]' for more information`

Explanation The CFS service has detected a merge failure.

Recommended Action No action is required.

Error Message `CFS-3-CFS_PSS_CORRUPTED: [chars] PSS found corrupted`

Explanation The CFS service has detected corruption in one of its persistent information database. The database would be recreated.

Recommended Action No action is required.

Error Message `CFS-3-DBERROR: [chars]`

Explanation CFS Service encountered a database error. [chars] specifies the context where the failure occured.

Recommended Action No action is required.

Error Message `CFS-3-FAILURE_RESPONSE: [chars] 0x[hex]`

Explanation CFS Service failed to get response [chars][hex] specify the context where the failure occured.

Recommended Action No action is required.

Error Message `CFS-3-FIPS_TEST_FAILED: FIPS compliance test failed`

Explanation FIPS compliance test failed

Recommended Action No action is required.

Error Message `CFS-3-GENERROR: [chars]`

Explanation CFS Service encountered a general error, one that does not fall in any of the above categories. [chars] describes the error and its context.

Recommended Action No action is required.

Error Message `CFS-3-LICERR: [chars]`

Explanation CFS Service failed to get license.

Recommended Action No action is required.

Error Message `CFS-3-MERGE_FAILED: Merge failed for app [chars], local switch wwn [chars],ip [chars], remote switch wwn [chars], ip [chars]`

Explanation The CFS service has detected a merge failure.

Recommended Action No action is required.

Error Message `CFS-3-MTSERROR: [chars]`

Explanation CFS Service encountered an MTS error. [chars] specifies the context where the error occured.

Recommended Action No action is required.

Error Message `CFS-3-PSSERROR: [chars]`

Explanation CFS Service encountered a PSS error. [chars] specifies the context where the failure occured.

Recommended Action No action is required.

Error Message `CFS-3-TIMEOUT_ERROR: [chars] 0x[hex]`

Explanation CFS Service encountered a timeout [chars][hex] specify the context where the failure occured.

Recommended Action No action is required.

Error Message `CFS-3-UNKNOWN_MSG: Recvd. from Node=[dec] SAP=[dec]`

Explanation The CFS service has received an unknown message from [dec]].[dec]. This information is for debugging only.

Recommended Action No action is required.

CFS-4

Error Message `CFS-4-LICEXP: [chars]`

Explanation CFS Service license is going to expire. [chars] gives the expected time of expiry

Recommended Action No action is required.

Error Message `CFS-4-PSS_VERSION_MISMATCH: PSS [dec] Code [dec]`

Explanation There was a version mismatch between the CFS service and one of its persistent storage databases. The persistent information has been translated to the new format.

Recommended Action No action is required.

CFS-6

Error Message `CFS-6-BECAME_ACTIVE: Became ACTIVE from standby mode`

Explanation The CFS service on the standby supervisor became active and it is ready to serve client requests.

Recommended Action No action is required.

Error Message `CFS-6-BECAME_STDBY: Became STANDBY from active mode`

Explanation The CFS service became standby from active mode.

Recommended Action No action is required.

Error Message `CFS-6-EXCESSIVE_DELAY: [chars]`

Explanation Excessive time taken for a processing event. The description of the event is [str.]

Recommended Action No action is required.

Error Message `CFS-6-FAILED_TO_SEND_HEARTBEAT: Failed to send heartbeat to system manager: Reason=[chars]`

Explanation The CFS service was unable to send heartbeat to the system manger

Recommended Action No action is required.

Error Message `CFS-6-GENERAL_EVENT: [chars]`

Explanation The CFS service has generated an important event. The description of the event is [str.]

Recommended Action No action is required.

Error Message `CFS-6-INVALID_CHECKSUM: Received packet from peer on if-index([hex]) with corrupted checksum`

Explanation This could be because of errors in the link

Recommended Action No action is required.

Error Message `CFS-6-INVALID_IF_INDEX: Received packet on if-index([hex]) which is not recognized by CFS`

Explanation The if-index does not match with the if-index used in discovery or we might have already recieved an adjacency cleanup message for this if-index. Check if the if-index is that of the port-channel or a physical if-index

Recommended Action No action is required.

Error Message `CFS-6-INVALID_PACKET: Received packet from peer on if-index([hex]) with invalid size`

Explanation This could be because of errors in the link

Recommended Action No action is required.

Error Message `CFS-6-LOGICAL_DISTRIBUTION_INFO: vsan [dec], source wwn [chars], ip [chars] app-id [dec], session-id [dec], user [chars], [chars]`

Explanation Vsan [dec], source wwn [chars], ip [chars], app-id [dec], user [chars], event [chars]

Recommended Action No action is required.

Error Message `CFS-6-PHY_DISTRIBUTION_INFO: source wwn [chars], ip [chars], app-id [dec], session-id [dec], user [chars], [chars]`

Explanation Source wwn [chars], ip [chars], app-id [dec], session-id [dec], user [chars], event [chars]

Recommended Action No action is required.

Error Message `CFS-6-PSS_CREATED: [chars] PSS Created`

Explanation One of the persistent information database of CFS service has been recreated

Recommended Action No action is required.

Error Message `CFS-6-PSS_DESTROYED: [chars] PSS Destroyed`

Explanation One of the persistent information databases of CFS Service has been intentionally destroyed and would be recreated.

Recommended Action No action is required.

Error Message `CFS-6-REGION_CTX_REMOVED: Region info is deleted for [chars]`

Explanation [chars] is in logical scope. Regions are supported only physical scope applications

Recommended Action No action is required.

Error Message `CFS-6-SERVICE_UP: Initialized [chars]`

Explanation The CFS service is up and ready to accept client requests The service was initialized in [char] mode.

Recommended Action No action is required.

Error Message `CFS-6-SRVCREATED: CFS Service created`

Explanation CFS Service was created successfully and is up and running. This is an informational message.

Recommended Action No action is required.

Error Message `CFS-6-SRVEXIT: CFS Service shutting down gracefully`

Explanation CFS Service is shutting down gracefully. This is an informational message.

Recommended Action No action is required.

Error Message `CFS-6-SWITCHOVER: Switching Over to other Sup.`

Explanation The CFS service has successfully switched over to the standby supervisor card.

Recommended Action No action is required.

CLIS Messages

This section contains the CLIS messages.

CLIS-0

Error Message `CLIS-0-CLIS_SYSLOG_FM_ERROR_MULTI_INSTANCE: FM status feature "[chars]" error : [chars]`

Explanation Getting feature status failed for multi instance feature

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `CLIS-0-CLIS_SYSLOG_FM_ERROR_SINGLE_INSTANCE: FM status feature "[chars]" error : [chars]`

Explanation Getting feature status failed for single instance feature

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `CLIS-0-CLIS_SYSLOG_FM_SET_ERROR: FM [chars] feature "[chars]" error : [chars]`

Explanation Feature enable error

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `CLIS-0-CLIS_SYSLOG_FM_UNSET_ERROR: FM [chars] feature "[chars]" error : [chars]`

Explanation Feature disable error

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `CLIS-0-CLIS_SYSLOG_PIM6_SRV_ERROR: Could not [chars] pim6 service, error : [chars]`

Explanation Unable to start or stop the PIM6 service

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `CLIS-0-CLIS_SYSLOG_PIM_SHM_ERROR: PIM service requires u4route-mem + u6route-mem <= 1024 MB`

Explanation For feature pim, if shared memory usage by urib and u6rib is > 1024 MB, feature PIM command is rejected

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `CLIS-0-CLIS_SYSLOG_PIM_SRV_ERROR: Could not [chars] pim service, error : [chars]`

Explanation Unable to start or stop the PIM service

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `CLIS-0-CLIS_SYSLOG_SRV_START_ERROR: Could not start service, error : [chars]`

Explanation Unable to start the service

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `CLIS-0-CLIS_SYSLOG_SRV_STOP_ERROR: Could not stop service, error : [chars]`

Explanation Unable to stop the service

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

CLIS-2

Error Message `CLIS-2-CLIS_SYSLOG_LIC_ALERT: If you have enabled this feature in error, please disable the feature. If you have not purchased the license, please contact your Cisco account team to order the license.`

Explanation License violation alert

Recommended Action Please install the license file to continue using the feature.

Error Message `CLIS-2-CLIS_SYSLOG_LIC_HONOUR_BASED: System supports honor based license.Feature will be enabled and fully functional. License usage for feature will appear after license install and a reload.`

Explanation Honour based licensing

Recommended Action Please install the license file to continue using the feature.

Error Message `CLIS-2-CLIS_SYSLOG_LIC_NOT_FOUND: !!!!!! WARNING: '[chars]' LICENSE NOT FOUND ON THE SYSTEM !!!!!!. You have tried to enable a licensed feature [[chars]] without installing the '[chars]' license, which has not been found on the system.`

Explanation License not found on the system

Recommended Action Please install the license file to continue using the feature.

Error Message `CLIS-2-CLIS_SYSLOG_LIC_VIOLATION_ICNT: If you have enabled this feature in error, please disable the feature. If you have not purchased the license, please contact your ICNT account team to order the license. It is in violation of ICNT's Terms of Use to use this feature without purchasing the license.`

Explanation ICNT license violation warning

Recommended Action Please install the license file to continue using the feature.

Error Message `CLIS-2-CLIS_SYSLOG_LIC_VIOLATION: It is in violation of Cisco's Terms of Use to use this feature without purchasing the license.`

Explanation License violation Alert

Recommended Action Please install the license file to continue using the feature.

Error Message `CLIS-2-CLIS_SYSLOG_STARTUP_DB_BUSY: CLIS startup db is busy, Please retry after sometime`

Explanation CLIS startup db BUSY during copy r s Most likely one another thread is reading the PSS data

Recommended Action Retry the copy r s after some time

CLIS-3

Error Message `CLIS-3-CLIS_SYSLOG_CMD_REMOVE_ERROR: Could not unload parse tree for feature [chars]`

Explanation Unload parse tree for the feature failed

Recommended Action No action is required.

Error Message `CLIS-3-CLIS_SYSLOG_FM_DISABLE_ERROR: Could not disable feature [chars]`

Explanation Disabling the feature as part of license revoke is failed

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `CLIS-3-CLIS_SYSLOG_LIC_REQ_FAIL: Failed to check in [chars] license for [chars] service`

Explanation License checkin request failed

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

CLIS-5

Error Message `CLIS-5-CLIS_SYSLOG_CMD_REMOVED: Command deleted from the NVDB: [chars]`

Explanation Command removal due to configuration change

Recommended Action No action is required.

CLIS-6

Error Message `CLIS-6-CLIS_SYSLOG_LIC_CHANGE_CB: License change callback - notify type: [dec], feature_name: [chars], recheckout: [dec]`

Explanation Call back for license change notifications from licmgr

Recommended Action No action is required.

Error Message `CLIS-6-CLIS_SYSLOG_LIC_EXPIRED: [chars] shutting down - license has expired`

Explanation The named feature has exceeded it's time period will be shut down immediately

Recommended Action Please install the license file to continue using the feature.

Error Message `CLIS-6-CLIS_SYSLOG_LIC_NOT_AVAILABLE: No available license - [chars] error [chars]`

Explanation License not available

Recommended Action Please install the license file to continue using the feature.

CLK_MGR Messages

This section contains the CLK_MGR messages.

CLK_MGR-2

Error Message `CLK_MGR-2-CLK_MGR_FC2_CRIT: CLK_MGR critical error: [chars]`

Explanation CLK_MGR fc2 clock synchronization critical error

Recommended Action No action is required.

CLK_MGR-5

Error Message `CLK_MGR-5-CLK_MGR_CLI_CONFIG: CLK_MGR clock is synchronized by [chars] from VDC [dec]`

Explanation CLK_MGR clock is synchronized by [chars] from VDC

Recommended Action No action is required.

CLK_MGR-6

Error Message `CLK_MGR-6-CLK_MGR_TSTAMP_CHKS_DISABLED: CLK_MGR timestamp checks disabled: [chars]`

Explanation CLK_MGR timestamp checks disabled

Recommended Action No action is required.

Error Message `CLK_MGR-6-CLK_MGR_TSTAMP_CHKS_ENABLED: CLK_MGR timestamp checks enabled`

Explanation CLK_MGR timestamp checks enabled

Recommended Action No action is required.

CLOUD Messages

This section contains the CLOUD messages.

CLOUD-2

Error Message `CLOUD-2-PROGRAM_EXIT: cloud-discovery process ending: [chars]`

Explanation Cloud-discovery process is exiting with reason [chars].

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

CLOUD-3

Error Message `CLOUD-3-CLOUD_CFS_MERGE_OPERATION_FAILED: [chars]`

Explanation [chars1]

Recommended Action Please check the reason for the failure of the cfs operation and rectify the problem

Error Message `CLOUD-3-CLOUD_CFS_OPERATION_FAILED: [chars] : [chars]`

Explanation [chars1] [chars2]

Recommended Action Please check the reason for the failure of the cfs operation and rectify the problem

Error Message `CLOUD-3-CLOUD_FEATURE_MANAGER_ERROR: [chars] : [chars]`

Explanation [chars1] [chars2]

Recommended Action Please check the reason for error using feature manager and rectify the problem

Error Message `CLOUD-3-CLOUD_PSS_OPERATION_FAILED: [chars] : [chars]`

Explanation [chars1] [chars2]

Recommended Action Please check the reason for the failure of the pss operation and rectify the problem

CLOUD-6

Error Message `CLOUD-6-CLOUD_DISCOVERY_DONE: discovery over`

Explanation Cloud-discovery started

Recommended Action Check cloud membership

Error Message `CLOUD-6-CLOUD_DISCOVERY_STARTED: [chars] discovery started`

Explanation Cloud-discovery started

Recommended Action Check cloud-discovery status after sometime

CLUSTER Messages

This section contains the CLUSTER messages.

CLUSTER-2

Error Message `CLUSTER-2-CLUSTER_ADD_FAIL: Cluster 0x[hex] creation failed`

Explanation Cluster Creation Failed

Recommended Action No action is required.

Error Message `CLUSTER-2-CLUSTER_CAP_ADD_FAIL: Failed to add cluster capability [dec]`

Explanation Cluster capability addition failed

Recommended Action No action is required.

Error Message `CLUSTER-2-CLUSTER_CAP_DEL_FAIL: Failed to delete cluster capability [dec]`

Explanation Cluster capability deletion failed

Recommended Action No action is required.

Error Message `CLUSTER-2-CLUSTER_CONF_MGR_FAIL: Configuration manager failed to handle "[chars]" ([dec]) status=0x[hex]`

Explanation Cluster Config Manager failed

Recommended Action No action is required.

Error Message `CLUSTER-2-CLUSTER_DB_SYNC_FAIL_CLIENT: Client on node 0x[hex] for cluster 0x[hex] application [dec] dataset [dec] received database synchronization failed, reason="[chars]" from application`

Explanation Cluster database synchronization failed

Recommended Action No action is required.

Error Message `CLUSTER-2-CLUSTER_DB_SYNC_FAIL_MANAGER: Manager on node 0x[hex] for cluster 0x[hex] application [dec] dataset [dec] received database synchronization failed, reason="[chars]" from server on node 0x[hex]`

Explanation Cluster database synchronization failed

Recommended Action No action is required.

Error Message `CLUSTER-2-CLUSTER_DB_SYNC_FAIL_SERVER: Server on node 0x[hex] for cluster 0x[hex] application [dec] dataset [dec] received database synchronization failed, reason="[chars]" from client on node 0x[hex]`

Explanation Cluster database synchronization failed

Recommended Action No action is required.

Error Message `CLUSTER-2-CLUSTER_DB_SYNC_FAIL: Cluster 0x[hex] application [dec] dataset [dec] database synchronization failed, reason="[chars]"`

Explanation Cluster database synchronization failed

Recommended Action No action is required.

Error Message `CLUSTER-2-CLUSTER_LEADER_ANNOUNCE: Node 0x[hex] is the new Master of cluster 0x[hex] of [dec] nodes`

Explanation Leader announcement of cluster

Recommended Action No action is required.

Error Message `CLUSTER-2-CLUSTER_LEAVE_REQ_FAIL: Node failed to send LEAVE request to Cluster 0x[hex]`

Explanation Failed to send Leave Request

Recommended Action No action is required.

Error Message `CLUSTER-2-CLUSTER_LEAVE_RESP_FAIL: Bad response to LEAVE request for Cluster 0x[hex]`

Explanation Received Bad Leave response

Recommended Action No action is required.

Error Message `CLUSTER-2-CLUSTER_LOCAL_NODE_EXIT: Local Node 0x[hex] has left the Cluster 0x[hex] Reason:[chars]`

Explanation Node is not part of cluster

Recommended Action No action is required.

Error Message `CLUSTER-2-CLUSTER_QUORUM_GAIN: Cluster 0x[hex] now has quorum with [dec] nodes`

Explanation Cluster has quorum

Recommended Action No action is required.

Error Message `CLUSTER-2-CLUSTER_QUORUM_LOSS: Cluster 0x[hex] has lost quorum; number of nodes=[dec]`

Explanation Cluster has lost quorum

Recommended Action No action is required.

Error Message `CLUSTER-2-CLUSTER_RGC_TRANSACTION_FAIL: Cluster 0x[hex] RGC transaction application=[dec] dataset=[dec] failed reason="[chars]"`

Explanation Cluster RGC transaction failed

Recommended Action No action is required.

Error Message `CLUSTER-2-CLUSTER_TRANSPORT_FAIL: Cluster 0x[hex] transport failed to send message from node 0x[hex] to 0x[hex] error=[dec]`

Explanation Cluster transport failed to send message

Recommended Action No action is required.

CLUSTER-5

Error Message `CLUSTER-5-CLUSTER_ADD: Cluster 0x[hex] added`

Explanation Cluster Added

Recommended Action No action is required.

Error Message `CLUSTER-5-CLUSTER_DISABLED: CLUSTER Disabled`

Explanation CLUSTER Service Disabled

Recommended Action No action is required.

Error Message `CLUSTER-5-CLUSTER_ENABLED: CLUSTER Enabled`

Explanation CLUSTER Service Enabled

Recommended Action No action is required.

Error Message `CLUSTER-5-CLUSTER_NODE_ADD: Node 0x[hex] added to cluster 0x[hex]`

Explanation Node added to cluster

Recommended Action No action is required.

Error Message `CLUSTER-5-CLUSTER_NODE_JOIN: Node 0x[hex] joined cluster 0x[hex]`

Explanation Node joined cluster

Recommended Action No action is required.

Error Message `CLUSTER-5-CLUSTER_NODE_LEAVE_EXPLICIT: Remote Node 0x[hex] has left the Cluster 0x[hex] voluntarily`

Explanation Remote Node Left voluntarily

Recommended Action No action is required.

Error Message `CLUSTER-5-CLUSTER_NODE_LEAVE: Node 0x[hex] not in cluster 0x[hex]`

Explanation Node not in cluster

Recommended Action No action is required.

Error Message `CLUSTER-5-CLUSTER_NODE_REMOVE: Node 0x[hex] removed from cluster 0x[hex]`

Explanation Node removed from cluster

Recommended Action No action is required.

Error Message `CLUSTER-5-CLUSTER_REMOVE: Cluster 0x[hex] removed`

Explanation Cluster removed

Recommended Action No action is required.

Error Message `CLUSTER-5-CLUSTER_RX_JOIN_REQ: Node 0x[hex] received JOIN request from node=0x[hex]`

Explanation Cluster received JOIN request

Recommended Action No action is required.

Error Message `CLUSTER-5-CLUSTER_RX_JOIN_RESP: Node 0x[hex] received JOIN response from node=0x[hex] result="[chars]"`

Explanation Cluster received JOIN response

Recommended Action No action is required.

Error Message `CLUSTER-5-CLUSTER_RX_PROBE: Node 0x[hex] received PROBE from node=0x[hex]`

Explanation Cluster received PROBE message

Recommended Action No action is required.

Error Message `CLUSTER-5-CLUSTER_STARTED: CLUSTER 0x[hex] Started`

Explanation CLUSTER Started

Recommended Action No action is required.

Error Message `CLUSTER-5-CLUSTER_STOPPED: CLUSTER 0x[hex] Stopped`

Explanation CLUSTER Stopped

Recommended Action No action is required.

Error Message `CLUSTER-5-CLUSTER_TRANSPORT_DOWN: Cluster 0x[hex] transport down for node=0x[hex]`

Explanation Cluster Transport Connection DOWN

Recommended Action No action is required.

Error Message `CLUSTER-5-CLUSTER_TRANSPORT_UP: Cluster 0x[hex] transport up for node=0x[hex]`

Explanation Cluster Transport Connection UP

Recommended Action No action is required.

Error Message `CLUSTER-5-CLUSTER_TX_JOIN_REQ: Node 0x[hex] sending JOIN request to node=0x[hex]`

Explanation Cluster sending JOIN request

Recommended Action No action is required.

Error Message `CLUSTER-5-CLUSTER_TX_JOIN_RESP: Node 0x[hex] sending JOIN response to node=0x[hex] result="[chars]"`

Explanation Cluster sending JOIN request

Recommended Action No action is required.

CMOND Messages

This section contains the CMOND messages.

CMOND-2

Error Message `CMOND-2-CMOND_ALERT_MSG: [chars]`

Explanation Alert message

Recommended Action No action is required.

Error Message `CMOND-2-CMOND_ERROR_MSG: [chars]`

Explanation Error message

Recommended Action No action is required.

COPP Messages

This section contains the COPP messages.

COPP-1

Error Message `COPP-1-COPP_DROPS1: CoPP drops exceed threshold in class: [chars], check show`

policy-map interface control-plane for more info.

Explanation There are CoPP drops, [chars] tell which class has dropped packets.

Recommended Action No action is required.

COPP-2

Error Message COPP-2-COPP_DEFAULT_POLICY: Control-plane is unprotected. Default CoPP policy will be configured.

Explanation There isn't any policy configured to protect control-plane. So default strict policy is being applied.

Recommended Action No action is required.

Error Message COPP-2-COPP_DROPS2: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.

Explanation There are CoPP drops, [chars] tell which class has dropped packets.

Recommended Action No action is required.

Error Message COPP-2-COPP_INIT_FAIL: CoPP Initialization failed: [chars]

Explanation CoPP Initialization failed. [chars] explains the reason for the failure.

Recommended Action No action is required.

Error Message COPP-2-COPP_INVALID_POLICY_TEMPLATE: Current CoPP policy is missing system default class-maps. Please run "setup" command to configure missing class-maps.

Explanation CoPP policy missing system default class-maps

Recommended Action No action is required.

Error Message COPP-2-COPP_MTS_FAIL: Failed to do MTS operation: [chars]

Explanation Failed to do MTS operation. [chars] explains the reason for the failure.

Recommended Action No action is required.

Error Message COPP-2-COPP_NO_POLICY: Control-plane is unprotected.

Explanation There isn't any policy configured to protect control-plane.

Recommended Action No action is required.

Error Message `COPP-2-COPP_POLICY: Control-Plane is protected with policy [chars].`

Explanation There is a policy attached to the control-plane.

Recommended Action No action is required.

Error Message `COPP-2-COPP_PROFILE_DIFF: CoPP Default Profile may have changed, please check the diffs using show copp diff profile prior-ver profile`

Explanation CoPP Default Profile may have changed, please check the diffs using show copp diff profile prior-ver profile

Recommended Action No action is required.

Error Message `COPP-2-COPP_RATELIMIT_DISABLED: CoPP rate-limit is disabled for all classes. Hence CPU is vulnerable to traffic attacks. Please do "no copp rate-limit disable" as soon as possible`

Explanation CoPP rate-limit is disabled for all classes

Recommended Action No action is required.

Error Message `COPP-2-COPP_SRC_COPP_CHANGES_INFO: Downgrade version does not support source ip based filtering in copp. Please remove source ip based configurations from access-list/ACEs present in copp if any.`

Explanation CoPP source ip based filtering in copp config downgrade info.

Recommended Action No DDTS.

COPP-3

Error Message `COPP-3-COPP_ALLOC_FAIL: Memory allocation failure: [chars]`

Explanation Failed to alloc required memory. [chars] explains the reason for the failure.

Recommended Action No action is required.

Error Message `COPP-3-COPP_DROPS3: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.`

Explanation There are CoPP drops, [chars] tell which class has dropped packets.

Recommended Action No action is required.

Error Message `COPP-3-COPP_PPF_FAIL: Error during PPF operation: [chars]`

Explanation Failed to do PPF operation. [chars] explains the reason for the failure.

Recommended Action No action is required.

Error Message `COPP-3-COPP_PSS_FAIL: Error during PSS operation: [chars]`

Explanation Failed to do PSS operation. [chars] explains the reason for the failure.

Recommended Action No action is required.

COPP-4

Error Message `COPP-4-COPP_DEFAULT_MGMT_MON_CLASS_RATES_CHANGED: ISSU Upgrade CoPP Management and Monitor default rates are changed for the class. Please do Re Apply the rates as soon as possible`

Explanation CoPP management and monitor rates are changed for the class

Recommended Action No action is required.

Error Message `COPP-4-COPP_DROPS4: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.`

Explanation There are CoPP drops, [chars] tell which class has dropped packets.

Recommended Action No action is required.

COPP-5

Error Message `COPP-5-COPP_DISABLED: COPP Disabled`

Explanation COPP Service Disabled

Recommended Action No action is required.

Error Message `COPP-5-COPP_DROPS5: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.`

Explanation There are CoPP drops, [chars] tell which class has dropped packets.

Recommended Action No action is required.

Error Message `COPP-5-COPP_ENABLED: COPP Enabled`

Explanation COPP Service nabled

Recommended Action No action is required.

Error Message `COPP-5-COPP_INIT: COPP initialized`

Explanation COPP Service Initialized

Recommended Action No action is required.

COPP-6

Error Message `COPP-6-COPP_DROPS6: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.`

Explanation There are CoPP drops, [chars] tell which class has dropped packets.

Recommended Action No action is required.

Error Message `COPP-6-COPP_POLICY_ATTACHED: CoPP policy has been attached to control plane interface.`

Explanation CoPP policy has been attached to control plane interface.

Recommended Action No action is required.

Error Message `COPP-6-COPP_POLICY_DETACHED: CoPP policy has been detached from control plane interface.`

Explanation CoPP policy has been detached from control plane interface.

Recommended Action No action is required.

COPP-7

Error Message `COPP-7-COPP_DROPS7: CoPP drops exceed threshold in class: [chars], check show policy-map interface control-plane for more info.`

Explanation There are CoPP drops, [chars] tell which class has dropped packets.

Recommended Action No action is required.

CORE-DMON Messages

This section contains the CORE-DMON messages.

CORE-DMON-2

Error Message `CORE-DMON-2-MODULE_COREDUMP_DONE: kernel coredump completed on module:[dec]`

Explanation Kernel coredump finishing on a module

Recommended Action No action is required.

Error Message `CORE-DMON-2-MODULE_COREDUMP_STARTED: kernel coredump started on module:[dec]`

Explanation Kernel coredump starting on a module

Recommended Action No action is required.

CORE-DMON-3

Error Message `CORE-DMON-3-NO_SPACE: Failed to save core file [chars]. Try removing existing core files.`

Explanation Not enough space to save new core files

Recommended Action No action is required.

CRYPTOPQC Messages

This section contains the CRYPTOPQC messages.

CRYPTOPQC-5

Error Message `CRYPTOPQC-5-CRYPTOPQC_DISABLED: Cryptopqc Disabled`

Explanation Cryptopqc Service Disabled

Recommended Action No action is required.

Error Message `CRYPTOPQC-5-CRYPTOPQC_ENABLED: Cryptopqc Enabled`

Explanation Cryptopqc Service enabled

Recommended Action No action is required.

Error Message `CRYPTOPQC-5-SYSLOG_STATUS: Syslog Initialization: [chars]`

Explanation Cryptopqc Syslog Facility

Recommended Action No action is required.

Error Message `CRYPTOPQC-5-TRUSTPOINT_STATUS: Trustpoint creation/import: [chars]`

Explanation Cryptopqc Trustpoint

Recommended Action No action is required.

CTS Messages

This section contains the CTS messages.

CTS-2

Error Message `CTS-2-CTS_AUTHENT_FAILURE: CTS Authentication failure on Port [chars] (CTS Failure Reason: [chars] [chars])`

Explanation Fibre-Channel Authentication failure on Port [chars].(Reason Code [chars] Detail [chars]). Please check password configurations and ensure appropriate security modes on this port as well as peer port

Recommended Action No action is required.

Error Message `CTS-2-CTS_FIPS_BYPASS_TEST_FAILED: FIPS bypass test failed for interface: [chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-2-CTS_KEY_EXPIRED: KEY expired on key chain [chars] interface [chars],`

session is going to be cleaned up

Explanation .

Recommended Action No action is required.

Error Message CTS-2-CTS_PRINT_CRIT: MACSec Error:Unable to configure MACSec on [chars]. It belongs to a Port channel

Explanation .

Recommended Action No action is required.

Error Message CTS-2-CTS_SAP_FAILED: SAP exchange failed on interface [chars]. (Reason: [chars])

Explanation .

Recommended Action No action is required.

Error Message CTS-2-CTS_SAP_REKEY_FAILED: SAP exchange failed on interface [chars]. (Reason: [chars])

Explanation .

Recommended Action No action is required.

Error Message CTS-2-DBG_INIT_FAILED: Debug Infrastructure Initialization failed ([chars])

Explanation .

Recommended Action No action is required.

Error Message CTS-2-FC2_E_INIT_FAILED: Fibre-Channel Initialization of an E_Port failed ([chars])

Explanation CTS Manager has been unable to initialize with the FC-2 E-Port infrastructure.

Recommended Action No action is required.

Error Message CTS-2-FC2_F_INIT_FAILED: Fibre-Channel Initialization of an F_Port failed ([chars])

Explanation CTS Manager has been unable to initialize with the FC-2 F-Port infrastructure.

Recommended Action No action is required.

Error Message `CTS-2-FC2_UNKNOWN_FRM_RECD_CRIT: Received an unexpected/unknown FC-2 frame on [chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-2-FSMU_INIT_FAILED: State Machine Infrastructure Initialization failed ( [chars] )`

Explanation .

Recommended Action No action is required.

Error Message `CTS-2-IPC_INIT_FAILED: IPC (Inter Process Communication) Initialization failed ( [chars] )`

Explanation CTS Manager has been unable to initialize with the IPC infrastructure.

Recommended Action No action is required.

Error Message `CTS-2-LICENSE_UNAVAILABLE: !!!!!! WARNING: 'SECURITY_PKG' LICENSE NOT FOUND ON THE SYSTEM !!!!!! You have tried to enable a licensed feature [MACSEC] without installing the license.`

Explanation License violation alert!

Recommended Action Please install the license file to continue using the feature.

Error Message `CTS-2-MEM_FAILED: Memory operations failed File: [chars] Line [dec] for size 0x[hex] bytes`

Explanation .

Recommended Action No action is required.

Error Message `CTS-2-POST_INIT_FAILED: Post-Initialization failed ( [chars] )`

Explanation .

Recommended Action No action is required.

Error Message `CTS-2-PSS_INIT_FAILED: PSS Infrastructure Initialization failed ( [chars] )`

Explanation .

Recommended Action No action is required.

Error Message `CTS-2-RBACL_ENFORCEMENT_FAILED: Failed to [chars] RBACL enforcement on [chars] [dec]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-2-RBACL_LC_INSERT_FAILED: RBACL programming failed for inserted module [dec]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-2-RBACL_TCAM_SPACE_NOT_ENOUGH: Not enough free space left on TCAM`

Explanation .

Recommended Action No action is required.

Error Message `CTS-2-RBACL_UNABLE_PARSE_ACE: Unable to parse RBACL ACE substring: [chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-2-RBACL_UPDATE_FAILED: Failed to [chars] RBACL [chars]`

Explanation .

Recommended Action No action is required.

CTS-3

Error Message `CTS-3-CTS_INVALID_KEY: MACSec: Primary or Fallback Keychain has an invalid key Interface [chars]`

Explanation No valid key found. Primary or Fallback session will be impacted. Please configure a valid key in keychain

Recommended Action No action is required.

Error Message `CTS-3-CTS_UNSUPPORTED_CKN_CONFIG: MACSec Interface [chars]: Same CKN ([chars]) for Primary and Fallback PSK not supported`

Explanation .

Recommended Action No action is required.

Error Message `CTS-3-DOT1X_AUTHC_FAILED: DOT1X authentication failed on port: [chars]`

Explanation DOT1X authentication failed on the port

Recommended Action No action is required.

CTS-4

Error Message `CTS-4-CTS_FALLBACK_MKPDU_ICV_FAILURE: MACSec: Fallback MKA PDU integrity check failed for Interface [chars]`

Explanation Fallback MKPDU ICV failure. Please match fallback keys on both ends

Recommended Action No action is required.

Error Message `CTS-4-CTS_FALLBACK_MKPDU_VALIDATE_FAILURE: MACSec: Fallback MKA PDU validation errors for Interface [chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-4-CTS_FALLBACK_NO_ACTIVE_KEY: MACSec: Fallback keychain does not have any active or valid fallback key Interface [chars]`

Explanation No active or valid Fallback key found. Fallback session mechanism will be impacted. Please configure a valid fallback key in fallback key chain

Recommended Action No action is required.

Error Message `CTS-4-CTS_MKPDU_ICV_FAILURE: MACSec: MKA PDU integrity check failed for Interface [chars]`

Explanation MKPDU ICV failure. Please match Primary PSK on both ends

Recommended Action No action is required.

Error Message `CTS-4-CTS_MKPDU_VALIDATE_FAILURE: MACSec: MKA PDU validation errors for Interface [chars]`

Explanation .

Recommended Action No action is required.

CTS-5

Error Message `CTS-5-CTS_CA_CREATED: Created New CA Participant ([chars]) on interface [chars]`

Explanation New CA participant created.

Recommended Action No action is required.

Error Message `CTS-5-CTS_FALLBACK_MKPDU_ICV_SUCCESS: MACSec: FALLBACK MKPDU verified. Fallback keys match for Interface [chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-5-CTS_FALLBACK_PEER_NOT_FOUND: MACSec: Unable to find Fallback key peer for Interface [chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-5-CTS_FALLBACK_SESSION_SECURED: MACSec session SECURED on Fallback PSK: interface: [chars]`

Explanation Interface is MACSec secured with Fallback PSK.

Recommended Action No action is required.

Error Message `CTS-5-CTS_IP_SGT_MAP_DELETE: IP-SGT mapping deleted for [chars] on [chars] [dec]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-5-CTS_IP_SGT_MAP_UPDATE: [chars] assigned SGT [chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-5-CTS_KC_INITIALIZE: FSM - Initializing MKA Session for [chars] keychain on interface [chars].`

Explanation MKA Session for PSK/PKI keychain initialized.

Recommended Action No action is required.

Error Message `CTS-5-CTS_MACSEC_SHUTDOWN: MACSec is [chars] on system`

Explanation Macsec is enabled/shutdown by user configuration. Macsec configuration is allowed in shutdown mode but won't take effect until enabled again.

Recommended Action No action is required.

Error Message `CTS-5-CTS_MKA_DELETE: Deleting MKA Session on interface [chars]`

Explanation MKA session deleted.

Recommended Action No action is required.

Error Message `CTS-5-CTS_MKPDU_ICV_SUCCESS: MACSec: MKPDU verified. Primary keys match for Interface [chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-5-CTS_MKPDU_VALIDATE_MN_FAILURE: MACSec: MKA PDU validation failure due to wrong MN for Interface [chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-5-CTS_NO_INCLUDE_SCI_INCOMPATIBLE_CIPHER: Interface [chars] configured with XPN-cipher but operating in non-XPN mode`

Explanation A device is forced to operate in non-XPN due to peer device pushing non-xpn cipher

Recommended Action No action is required.

Error Message `CTS-5-CTS_PPK_SESSION_SECURED: MACSec(MKA) PPK session SECURED: interface: [chars]`

Explanation Interface is MACSec PPK secured.

Recommended Action No action is required.

Error Message `CTS-5-CTS_PSK_SESSION_SECURED: MACSec(MKA) PSK session SECURED: interface: [chars]`

Explanation Interface is MACSec PSK secured.

Recommended Action No action is required.

Error Message `CTS-5-CTS_REKEY: MKA Session [chars] SAK rekey for [chars]`

Explanation Pn exhaust/Policy timer expiry SAK rekey.

Recommended Action No action is required.

Error Message `CTS-5-CTS_SESSION_PENDING: MACSec session is in pending: interface: [chars]`

Explanation MACSec session on Interface is in pending state.

Recommended Action No action is required.

Error Message `CTS-5-CTS_SESSION_SECURED: MACSec(MKA) session SECURED: interface: [chars]`

Explanation Interface is MACSec secured.

Recommended Action No action is required.

Error Message `CTS-5-CTS_SESSION_STOPPED: MKA Session was stopped and is not secured on Interface [chars] CKN [chars]`

Explanation MKA Session was stopped and is not secured

Recommended Action No action is required.

Error Message `CTS-5-CTS_SESSION_UNSECURED: MACSec session is unsecured : interface: [chars]`

Explanation Interface is MACSec unsecured.

Recommended Action No action is required.

Error Message `CTS-5-CTS_SUSPENSION_REQUESTED: Requesting suspension of MACsec control plane operation for interface: [chars]`

Explanation On Non-Key Server, when requesting for suspension (ISSU).

Recommended Action No action is required.

Error Message `CTS-5-CTS_SUSPENSION_START_REQUEST_RECEIVED: MACsec control plane operation suspension start request for interface: [chars] from Peer SCI: [chars] [chars]`

Explanation The Key Server can accept or reject the suspension request

Recommended Action No action is required.

Error Message `CTS-5-CTS_SUSPENSION_START: MACsec control plane operation suspended for interface: [chars]`

Explanation When the suspension starts

Recommended Action No action is required.

Error Message `CTS-5-CTS_SUSPENSION_STOP_REQUEST_RECEIVED: MACsec control plane operation suspension stop received for interface: [chars] from Peer SCI: [chars]`

Explanation On Key Server, when Zero suspend-for parameter is received in MKPDU from peer.

Recommended Action No action is required.

Error Message `CTS-5-CTS_SUSPENSION_STOP: MACsec control plane operation resumed for interface: [chars]`

Explanation When suspenstion is terminated

Recommended Action No action is required.

CTS-6

Error Message `CTS-6-CTS_FIPS_BYPASS_TEST_PASSED: FIPS bypass test passed for interface: [chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-6-CTS_KEY_CHAIN_ADDED: MACSec session key chain [chars] added`

Explanation .

Recommended Action No action is required.

Error Message `CTS-6-CTS_PRINT: MACSec print:[chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-6-CTS_SESSION_PORT_REINIT: MACSec session port reinited this may cause flap: Interface: [chars]`

Explanation Interface reinit happened due to a change in MACSec session state.

Recommended Action No action is required.

Error Message `CTS-6-SXP_BIND_FAIL: CTS SXP socket bind failed for [chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-6-SXP_CONFIG_MODE_MISMATCH: CTS SXP config mode mis-match with peer [chars] during [chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-6-SXP_CONFIG_VER_MISMATCH: CTS SXP config version mis-match with peer [chars] during [chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-6-SXP_CONN_PURGED: CTS SXP connection purged: vrf [dec], peer: [chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-6-SXP_CONN_STATE_CHG_OFF: CTS SXP connection state for peer [chars] changed to off`

Explanation .

Recommended Action No action is required.

Error Message `CTS-6-SXP_DEFAULT_PASSWORD_RESET: CTS SXP default password reset`

Explanation .

Recommended Action No action is required.

Error Message `CTS-6-SXP_DEFAULT_PASSWORD_SET: CTS SXP default password set`

Explanation .

Recommended Action No action is required.

Error Message `CTS-6-SXP_DEFAULT_SRC_IP_RESET: CTS SXP default source IP address reset to [chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-6-SXP_DEFAULT_SRC_IP_SET: CTS SXP default source IP address set to [chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-6-SXP_INTERNAL_FAIL: CTS SXP internal failure`

Explanation .

Recommended Action No action is required.

Error Message `CTS-6-SXP_LISTEN_FAIL: CTS SXP socket listen failed`

Explanation .

Recommended Action No action is required.

Error Message `CTS-6-SXP_RX_UNKNOWN_MSG_TYPE: CTS SXP received unknown message type [chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-6-SXP_RX_UNKNOWN_OPC_TYPE: CTS SXP received unknown opcode type [dec] for peer [chars]`

Explanation .

Recommended Action No action is required.

Error Message `CTS-6-SXP_STATE_CHANGE: CTS SXP [chars]`

Explanation .

Recommended Action No action is required.

DCEFIB Messages

This section contains the DCEFIB messages.

DCEFIB-SLOT#-0

Error Message `DCEFIB-SLOT#-0-CLI_INIT_FAILED: CLI library initialization failed!`

Explanation L2mp unicast fib failed to initialize CLI infrastructure\'s backend library. This is a fatal error.

Recommended Action No action is required.

Error Message `DCEFIB-SLOT#-0-TIMER_INIT_FAILED: Timer subsystem initialization failed!`

Explanation L2mp unicast fib failed to initialize timer library. This is a fatal error.

Recommended Action No action is required.

DCEFIB-SLOT#-2

Error Message `DCEFIB-SLOT#-2-DCEFIB_MEM_ALLOC: Memory allocation failed. [chars]`

Explanation Memory allocation failed. This is a critical failure

Recommended Action No action is required.

Error Message `DCEFIB-SLOT#-2-DCEFIB_RECOVERY_ERROR: Error in Recovery: [chars]`

Explanation L2mp unicast fib failed to recover after a re-start. This is a fatal error.

Recommended Action No action is required.

Error Message `DCEFIB-SLOT#-2-U2FIB_ERR: [chars]`

Explanation L2mp unicast fib encountered an error:

Recommended Action No action is required.

DCEFIB-SLOT#-6

Error Message `DCEFIB-SLOT#-6-INITIALIZED: Internal state created [chars]`

Explanation L2mp unicast fib has created its internal state stateless/stateful [chars].

Recommended Action No action is required.

Error Message `DCEFIB-SLOT#-6-U2FIB_INFO: [chars]`

Explanation L2mp unicast fib notice:

Recommended Action No action is required.

Error Message `DCEFIB-SLOT#-6-VDC_CREATED: VDC [dec] created`

Explanation Request to create VDC [dec] in l2mp unicsat fib was successful.

Recommended Action No action is required.

Error Message `DCEFIB-SLOT#-6-VDC_REMOVED: VDC [dec] Removed`

Explanation L2mp unicast fib has successfully removed VDC [dec] from its databases.

Recommended Action No action is required.

DEVICE_TEST Messages

This section contains the DEVICE_TEST messages.

DEVICE_TEST-1

Error Message `DEVICE_TEST-1-BACKPLANE_AUTHENTICATION_FAIL: Module [dec] Backplane-Instance-[dec]: The system integrity check has failed. Do not reload the system or perform any upgrade/downgrade. Please contact Cisco's Technical Assistance Center for more information`

Explanation Online diagnostics Backplane ACT2 Authentication failed

Recommended Action No action is required.

DEVICE_TEST-2

Error Message `DEVICE_TEST-2-ACT2_FAIL: Module [dec] has failed test [chars] [dec] times on device ACT2 due to error [chars]`

Explanation Online diagnostics ACT2 test has failed

Recommended Action No action is required.

Error Message `DEVICE_TEST-2-ASICMEM_FAIL: Module [dec] has failed test [chars] [dec] times on device ASIC Memory due to error [chars]`

Explanation Online diagnostics AsicMemoryTest test has failed

Recommended Action No action is required.

Error Message `DEVICE_TEST-2-ASIC_REG_CHECK_FAIL: Module [dec] has failed test [chars] [dec] times on device [chars] [chars] [dec] [chars] due to error [chars]`

Explanation Online diagnostics ASICRegisterCheck test has failed

Recommended Action No action is required.

Error Message `DEVICE_TEST-2-AUTHENTICATION_FAIL: Module [dec] ACT2-Instance-[dec]: The system integrity check has failed during the boot-up sequence. Please contact Cisco's Technical Assistance Center for more information`

Explanation Online diagnostics ACT2 Authentication failed

Recommended Action No action is required.

Error Message `DEVICE_TEST-2-COMPACT_FLASH_FAIL: Module [dec] has failed test [chars] [dec]`

times on device BootFlash due to error [chars]

Explanation Online diagnostics BootFlash test has failed

Recommended Action No action is required.

Error Message DEVICE_TEST-2-CP_FAIL: Module [dec] has failed test [chars] [dec] times on Crosspoint due to error [chars]

Explanation Online diagnostics Crosspoint test has failed

Recommended Action No action is required.

Error Message DEVICE_TEST-2-CRYPTO_DEVICE_FAIL: Module [dec] has failed test [chars] [dec] times on Crypto device due to error [chars]

Explanation Online diagnostics CryptoDevice test has failed

Recommended Action No action is required.

Error Message DEVICE_TEST-2-DATA_FPGA_FAIL: Module [dec] has failed test [chars] [dec] times on Data FPGA due to error [chars]

Explanation Online diagnostics Data FPGA test has failed

Recommended Action No action is required.

Error Message DEVICE_TEST-2-DPU_REACHABILITY_FAIL: Module [dec] has failed test [chars] [dec] times due to error [chars]

Explanation Online diagnostics DPU Reachability test has failed

Recommended Action No action is required.

Error Message DEVICE_TEST-2-EOBC_FAIL: Module [dec] has failed test [chars] on EOBC due to error [chars]

Explanation Online diagnostics EOBC test has failed

Recommended Action No action is required.

Error Message DEVICE_TEST-2-FAN_MOD_FAIL: Module [dec] has failed test [chars] [dec] times on System Mgmt Bus for chassis [chars] instance [dec] due to error [chars] error number 0x[hex]

Explanation Online diagnostics SystemMgmtBus test has failed

Recommended Action No action is required.

Error Message `DEVICE_TEST-2-MALLOC_FAILURE: Memory allocation failed`

Explanation Device Test process could not allocate memory

Recommended Action No action is required.

Error Message `DEVICE_TEST-2-MGMT_PORT_SKIP: Module [dec] has skipped test [chars] on Management Port due to error [chars]`

Explanation Online diagnostics ManagementPort test is skipped

Recommended Action No action is required.

Error Message `DEVICE_TEST-2-NVRAM_FAIL: Module [dec] has failed test [chars] [dec] times on device NVRAM due to error [chars]`

Explanation Online diagnostics NVRAM test has failed

Recommended Action No action is required.

Error Message `DEVICE_TEST-2-NV_FILE_SYSTEM_FULL: System non-volatile storage usage is full at [dec]%. Please check [chars]. Free space available: [dec]K, total size: [dec]K`

Explanation Online diagnostics OBFL test has identified a filesystem capacity issue, please identify and remove unnecessary files

Recommended Action No action is required.

Error Message `DEVICE_TEST-2-OBFL_FAIL: Module [dec] has failed test [chars] [dec] times on device OBFL due to error [chars]`

Explanation Online diagnostics OBFL test has failed

Recommended Action No action is required.

Error Message `DEVICE_TEST-2-POWER_SUPPLY_FAIL: Module [dec] has failed test [chars] [dec] times on System Mgmt Bus for chassis [chars] instance [dec] due to error [chars] error number 0x[hex]`

Explanation Online diagnostics SystemMgmtBus test has failed

Recommended Action No action is required.

Error Message `DEVICE_TEST-2-PWR_MGMT_BUS_FAIL: Module [dec] has failed test [chars] [dec] times on device Power Mgmt Bus on slot [dec] due to error [chars] error number 0x[hex]`

Explanation Online diagnostics PwrMgmtBus test has failed

Recommended Action No action is required.

Error Message `DEVICE_TEST-2-RTC_FAIL: Module [dec] has failed test [chars] [dec] times on device RealTimeClock due to error [chars]`

Explanation Online diagnostics RealTimeClock test has failed

Recommended Action No action is required.

Error Message `DEVICE_TEST-2-SPINE_CONTROL_BUS_FAIL: Module [dec] has failed test [chars] [dec] times on device Spine Control Bus on slot [dec] due to error [chars] error number 0x[hex]`

Explanation Online diagnostics SpineControlBus test has failed

Recommended Action No action is required.

Error Message `DEVICE_TEST-2-STANDBY_LOOPBACK_TEST_FAIL: Module [dec] has failed test [chars] [dec] times on [chars] [dec] due to error [chars]`

Explanation Online diagnostics StandbyFabricLoopback test has failed

Recommended Action No action is required.

Error Message `DEVICE_TEST-2-TWOWIRE_STW_FAIL: Module [dec] has failed test [chars] [dec] times on Status Bus on slot [dec] due to error [chars]`

Explanation Online diagnostics Status bus test has failed

Recommended Action No action is required.

Error Message `DEVICE_TEST-2-USB_FAIL: Module [dec] has failed test [chars] [dec] times on device USB due to error [chars]`

Explanation Online diagnostics USB test has failed

Recommended Action No action is required.

DEVICE_TEST-3

Error Message `DEVICE_TEST-3-INTERNAL_PORT_MONITOR_CRC_ERRORS_DETECTED: Module [dec] received CRC errors on internal interface [chars] since last run FCSErr=[dec] TotalFCSErr=[dec]`

Explanation Internal interface errors detected.

Recommended Action No action is required.

Error Message `DEVICE_TEST-3-INTERNAL_PORT_MONITOR_FAIL: Internal port failures were detected while running test.`

Explanation Internal link errors (CRC/FCS) have been detected.

Recommended Action No action is required.

Error Message `DEVICE_TEST-3-INTERNAL_PORT_MONITOR_INIT_FAIL: Failed to initialize port monitor test.`

Explanation Failed to initialize port monitor test.

Recommended Action No action is required.

Error Message `DEVICE_TEST-3-INTERNAL_PORT_MONITOR_INPUT_DISCARD_DETECTED: Module [dec] received in_discards on internal interface [chars] since last run RXErr=[dec] TotalRXErr=[dec]`

Explanation Internal interface errors detected.

Recommended Action No action is required.

Error Message `DEVICE_TEST-3-INTERNAL_PORT_MONITOR_TOTAL_PKT_INC_DETECTED: Testing only - Module [dec] received new packets on internal interface [chars] since last run delta_pkt_count=[dec] TotalPktCnt=[dec]`

Explanation Internal interface errors detected.

Recommended Action No action is required.

Error Message `DEVICE_TEST-3-INTERNAL_PORT_MONITOR_TX_ERRORS_DETECTED: Module [dec] received tx errors on internal interface [chars] since last run TXErr=[dec] TotalTXErr=[dec]`

Explanation Internal interface errors detected.

Recommended Action No action is required.

Error Message `DEVICE_TEST-3-MCE_1HR_FAIL: Module [dec] has exceeded MCE 1 hour correctable threshold of [dec] with [dec] correctable errors for address 0x%PRIx64 within 1 an hour.`

Explanation These memory errors are correctable and no functional impact to system behavior. However, excessive correctable memory errors can be an indication of possible hardware fault. Please collect \show tech gold\ and open a Support case for further investigation.

Recommended Action No action is required.

Error Message `DEVICE_TEST-3-MCE_24HR_FAIL: Module [dec] has exceeded MCE 24 hour correctable threshold of [dec] with [dec] correctable errors within 24 hours.`

Explanation These memory errors are correctable and no functional impact to system behavior. However, excessive correctable memory errors can be an indication of possible hardware fault. Please collect \show tech gold\ and open a Support case for further investigation.

Recommended Action No action is required.

Error Message `DEVICE_TEST-3-NV_FILE_SYSTEM_NEAR_FULL: System non-volatile storage usage is high at [dec]%. Please check [chars]. Free space available: [dec]K, total size: [dec]K`

Explanation Online diagnostics OBFL test has identified a filesystem capacity issue, please identify and remove unnecessary files

Recommended Action No action is required.

Error Message `DEVICE_TEST-3-STANDBY_TEST_GET_DIAG_VQI_FAIL: Standby test get diag vqi failed due to error [hex]`

Explanation Device Test StandbyLoopback Test failed get vqi

Recommended Action No action is required.

Error Message `DEVICE_TEST-3-STANDBY_TEST_GET_SPINE_FAIL: Standby test get spines failed due to error [hex]`

Explanation Device Test StandbyFabricLoopback Test get spine failed

Recommended Action No action is required.

Error Message `DEVICE_TEST-3-STANDBY_TEST_INIT_FAIL: Init for standby test failed due to error [hex]`

Explanation Device Test StandbyFabricLoopback Test failed init process

Recommended Action No action is required.

Error Message `DEVICE_TEST-3-STANDBY_TEST_MTS_FAIL: Mts Init for standby test failed due to error [hex]`

Explanation Device Test StandbyFabricLoopback Test failed mts init

Recommended Action No action is required.

Error Message `DEVICE_TEST-3-STANDBY_TEST_SOCKET_FAIL: Standby test socket error [chars]: [hex]`

Explanation Device Test StandbyFabricLoopback Test Socket error

Recommended Action No action is required.

DEVICE_TEST-4

Error Message `DEVICE_TEST-4-PRIMARY_BOOTROM_FAIL: Module [dec] has failed test [chars] [dec] times on device Primary BootROM due to error [chars]`

Explanation Online diagnostics PrimaryBootROM test has failed

Recommended Action No action is required.

Error Message `DEVICE_TEST-4-SECONDARY_BOOTROM_FAIL: Module [dec] has failed test [chars] [dec] times on device Secondary BootROM due to error [chars]`

Explanation Online diagnostics SecondaryBootROM test has failed

Recommended Action No action is required.

Error Message `DEVICE_TEST-4-THREAD_CREATE_FAIL: Thread creation failed`

Explanation Device Test process could not create threads

Recommended Action No action is required.

Error Message `DEVICE_TEST-4-TIMER_CREATE_FAIL: Timer creation failed`

Explanation Device Test process could not create timer

Recommended Action No action is required.

Error Message `DEVICE_TEST-4-TIMER_START_FAIL: Timer start failed`

Explanation Device Test process could not start timer

Recommended Action No action is required.

DEVICE_TEST-5

Error Message `DEVICE_TEST-5-INTERNAL_PORT_MONITOR_END: Completed internal port monitoring test.`

Explanation Completed internal port monitoring test.

Recommended Action No action is required.

Error Message `DEVICE_TEST-5-INTERNAL_PORT_MONITOR_START: Starting internal port monitoring test.`

Explanation Starting internal port monitoring test.

Recommended Action No action is required.

Error Message `DEVICE_TEST-5-NOTICE_TEST: Memory allocation failed notice`

Explanation Device Test process could not allocate memory

Recommended Action No action is required.

DEVICE_TEST-6

Error Message `DEVICE_TEST-6-INFO_TEST: Memory allocation failed info`

Explanation Device Test process could not allocate memory

Recommended Action No action is required.

DEV_LOG Messages

This section contains the DEV_LOG messages.

DEV_LOG-3

Error Message `DEV_LOG-3-ERROR: [chars]`

Explanation Dev_log_lc encountered an error

Recommended Action No action is required.

DEV_LOG-SLOT#-4

Error Message `DEV_LOG-SLOT#-4-DEV_LOG_LC_ERROR: [chars]`

Explanation Dev_log_lc encountered an error

Recommended Action No action is required.

DFTM Messages

This section contains the DFTM messages.

DFTM-SLOT#-2

Error Message `DFTM-SLOT#-2-DFTM_INTF_NOT_FOUND: Interface [chars] not found in DFTM database [chars]`

Explanation DFTM database doesn't have the interface.

Recommended Action No action is required.

Error Message `DFTM-SLOT#-2-DFTM_INVALID_FTAG_NUM: DFTM received invalid number of FTags [dec] from M2RIB`

Explanation DFTM recvd invalid number of FTags from M2RIB.

Recommended Action No action is required.

Error Message `DFTM-SLOT#-2-DFTM_INVALID_INTF_NUM: DFTM has invalid number of interfaces [dec] in the DB`

Explanation DFTM has invalid number of interfaces in the DB.

Recommended Action No action is required.

Error Message `DFTM-SLOT#-2-DFTM_PC_NUM_MEMB_INVALID: DFTM received invalid number of PC members [dec] from ELTM`

Explanation DFTM recvd invalid number of PC members from ELTM.

Recommended Action No action is required.

Error Message `DFTM-SLOT#-2-DFTM_VLAN_NOT_FOUND: VLAN [dec] not found in DFTM database [chars]`

Explanation DFTM database doesn't have the VLAN.

Recommended Action No action is required.

DFTM-SLOT#-3

Error Message `DFTM-SLOT#-3-DFTM_BDDB_PROG_FAILED: DFTM failed to program BDDB Entry`

Explanation DFTM failed to program BDDB Entry

Recommended Action No action is required.

Error Message `DFTM-SLOT#-3-DFTM_BDT_PROG_FAILED: DFTM failed to program BD Table Entry`

Explanation DFTM failed to program BD Table Entry

Recommended Action No action is required.

Error Message `DFTM-SLOT#-3-DFTM_IFIDX_INVALID_PORT_LAYER: Invalid Port Layer Received for interface: [chars]`

Explanation Invalid Port Layer Received for interface

Recommended Action No action is required.

Error Message `DFTM-SLOT#-3-DFTM_IFIDX_INVALID_PORT_MODE: Invalid Port Mode Received for interface: [chars]`

Explanation Invalid Port Mode Received for interface

Recommended Action No action is required.

Error Message `DFTM-SLOT#-3-DFTM_IFIDX_INVALID_PORT_TYPE: Invalid Port Type Received for interface: [chars]`

Explanation Invalid Port Type Received for interface

Recommended Action No action is required.

Error Message `DFTM-SLOT#-3-DFTM_IFIDX_TYPE_ERROR: Failed to get type for interface: [chars]`

Explanation Failed to get type for the interface

Recommended Action No action is required.

Error Message `DFTM-SLOT#-3-DFTM_INVALID_PRIM_SEC_VLAN_REQ: DFTM received prim-sec request for a non-exiting sec vlan [dec] on primary [dec]`

Explanation DFTM recvd prim-sec vlan mapping request for a non-existing sec vlan on prim vlan

Recommended Action No action is required.

Error Message `DFTM-SLOT#-3-DFTM_L2L3CT_PROG_FAILED: DFTM failed to program L2L3 Consistency Table Entry`

Explanation DFTM failed to program L2L3 Consistency Table Entry

Recommended Action No action is required.

Error Message `DFTM-SLOT#-3-DFTM_MFT_PROG_FAILED: DFTM failed to program Multicast FTag Table Entry`

Explanation DFTM failed to program Multicast Ftag Table Entry

Recommended Action No action is required.

Error Message `DFTM-SLOT#-3-DFTM_SDT_PROG_FAILED: DFTM failed to program SGT DGT Table Entry`

Explanation DFTM failed to program SGT DGT Table Entry

Recommended Action No action is required.

Error Message `DFTM-SLOT#-3-DFTM_VTT_PROG_FAILED: DFTM failed to program VLAN Translation Table Entry for vlan [dec], xlt_vlan [dec] on fe [dec]`

Explanation DFTM failed to program VLAN Translation Table

Recommended Action No action is required.

DHCLIENT Messages

This section contains the DHCLIENT messages.

DHCLIENT-2

Error Message `DHCLIENT-2-DHCLIENT_DISCOVER_RECVD_NAK: [chars] - Received DHCP NAK`

Explanation Received DHCP NAK

Recommended Action No action is required.

Error Message `DHCLIENT-2-DHCLIENT_DISCOVER_START: [chars] - DHCLIENT DHCP Discover phase started`

Explanation DHCLIENT DHCP Discover phase started

Recommended Action No action is required.

Error Message `DHCLIENT-2-DHCLIENT_FAILURE: [chars]`

Explanation DHCLIENT Failure

Recommended Action No action is required.

Error Message `DHCLIENT-2-DHCLIENT_FLASH_FULL: DHCLIENT bootflash doesn't have enough space (85% FULL)`

Explanation DHCLIENT bootflash doesn't have enough space (85% FULL)

Recommended Action No action is required.

Error Message `DHCLIENT-2-DHCLIENT_INITED: [chars] - DHCLIENT process initialized`

Explanation DHCLIENT process initialized

Recommended Action No action is required.

Error Message `DHCLIENT-2-DHCLIENT_SCRIPT_DOWNLOADED: [chars] - Successfully downloaded DHCLIENT script file`

Explanation Successfully downloaded DHCLIENT script file

Recommended Action No action is required.

Error Message `DHCLIENT-2-DHCLIENT_SCRIPT_EXEC_SUCCESS: [chars] - DHCLIENT script execution success`

Explanation DHCLIENT script execution success

Recommended Action No action is required.

Error Message `DHCLIENT-2-DHCLIENT_SCRIPT_STARTED_MD5_NOT_VALIDATED: [chars] - DHCLIENT script`

execution started(MD5 not validated)

Explanation DHCLIENT script execution started(MD5 not validated)

Recommended Action No action is required.

Error Message DHCLIENT-2-DHCLIENT_SCRIPT_STARTED_MD5_VALIDATED: [chars] - DHCLIENT script execution started(MD5 validated)

Explanation DHCLIENT script execution started(MD5 validated)

Recommended Action No action is required.

Error Message DHCLIENT-2-DHCLIENT_SCRIPT_STARTED_MD5_VALIDATION_FAIL: [chars] - DHCLIENT boot file validation failed

Explanation DHCLIENT boot file validation failed.

Recommended Action No action is required.

DHCLIENT-4

Error Message DHCLIENT-4-DHCLIENT_WARNING: [chars]

Explanation DHCLIENT Warning

Recommended Action No action is required.

DHCLIENT-5

Error Message DHCLIENT-5-DHCLIENT_DISABLED: [chars] - DHCLIENT Disabled

Explanation DHCLIENT Service Disabled

Recommended Action No action is required.

Error Message DHCLIENT-5-DHCLIENT_ENABLED: [chars] - DHCLIENT Enabled

Explanation DHCLIENT Service nabled

Recommended Action No action is required.

DHCLIENT-6

Error Message `DHCLIENT-6-DHCLIENT_INFO: [chars]`

Explanation DHCLIENT Info

Recommended Action No action is required.

DHCLIENT-7

Error Message `DHCLIENT-7-DHCLIENT_DEBUG: [chars]`

Explanation DHCLIENT Debug

Recommended Action No action is required.

DHCP_SNOOP Messages

This section contains the DHCP_SNOOP messages.

DHCP_SNOOP-1

Error Message `DHCP_SNOOP-1-IPSG_WARN_MSG: Configuring IPSG on the interface will result in IPv6 traffic loss.`

Explanation Configuring IPSG on the interface will result in IPv6 traffic loss.

Recommended Action No action is required.

DHCP_SNOOP-2

Error Message `DHCP_SNOOP-2-BD_LABEL_FAILURE: Unable to allocate BD label.`

Explanation Unable to allocate BD label.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-2-DHCP_SNOOP_PROGRAM_EXIT: [chars]`

Explanation DHCP snoop process did an abnormal exit

Recommended Action No action is required.

Error Message `DHCP_SNOOP-2-DHCP_SNOOP_Q_FULL: [chars]`

Explanation DHCP snoop process received QUEUE FULL Notification from MTS

Recommended Action No action is required.

Error Message `DHCP_SNOOP-2-DHCP_SNOOP_Q_HIGH: [chars]`

Explanation DHCP snoop process received QUEUE HIGH Notification from MTS

Recommended Action No action is required.

Error Message `DHCP_SNOOP-2-ERROR_DEFAULT_RAGUARD_CONF: Default raguard already configured, remove default raguard before attaching policy`

Explanation Default raguard already configured, remove default raguard before attaching policy

Recommended Action No action is required.

Error Message `DHCP_SNOOP-2-ERROR_FEX_IFACL_TCAM_NOT_CARVED: FEX-IPV6-IFACL TCAM not available, please carve before enabling feature`

Explanation FEX-IPV6-IFACL TCAM not available, please carve before enabling feature

Recommended Action No action is required.

Error Message `DHCP_SNOOP-2-ERROR_IFACL_TCAM_NOT_CARVED: IFACL TCAM not available, please carve before enabling feature`

Explanation IFACL TCAM not available, please carve before enabling feature

Recommended Action No action is required.

Error Message `DHCP_SNOOP-2-ERROR_SISF_FIRST_CONF: FHS feature requires a one time reload after ISSU to remap the TCAM allocation`

Explanation FHS feature requires a one time reload after ISSU to remap the TCAM allocation

Recommended Action No action is required.

Error Message `DHCP_SNOOP-2-ERROR_TAH_IFACL_TCAM_NOT_CARVED: IFACL TCAM not available,please carve before enabling feature.`

Explanation IFACL TCAM not available,please carve before enabling feature

Recommended Action No action is required.

Error Message `DHCP_SNOOP-2-HWPGMFAILURE: Hardware programming has failed: [chars]`

Explanation Hardware programming has failed. [chars] explains the reason for the failure.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-2-IFACL_LABEL_FAILURE: Unable to allocate IFACL label.`

Explanation Unable to allocate IFACL label.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-2-INITFAIL: DHCP Daemon Initialization failed: [chars]`

Explanation DHCP Daemon Initialization failed. [chars] explains the reason for the failure.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-2-PSSERROR: [chars]`

Explanation DHCP Daemon encountered a PSS error. [chars] specifies the context where the failure occurred.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-2-REGPARTREE: Unable to register par tree: [chars]`

Explanation Could not register par tree. [chars] explains the reason for the failure.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-2-TCAM_NOT_CONFIGURED: Ingress Redirect TCAM not available,please carve before enabling feature.`

Explanation Ingress Redirect TCAM not available,please carve before enabling feature

Recommended Action No action is required.

DHCP_SNOOP-3

Error Message `DHCP_SNOOP-3-ALLOCFAIL: Heap Memory allocation failed: [chars]`

Explanation DHCP Daemon is out of dynamic memory. [chars] specifies the context where the failure occurred.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-3-ASSERTION_FAILED: [chars]:[dec]`

Explanation DHCP Snoop process has hit an assert condition at file [chars] line number [dec]

Recommended Action No action is required.

Error Message `DHCP_SNOOP-3-DHCPDENIEDARP: ARP frame denied due to DHCP snooping binding on interface [chars] vlan [dec] sender mac [chars] sender ip [chars] target mac [chars] target ip [chars].`

Explanation [chars] identifies interface and [dec] identifies the vlan on which ARP packets have been denied. [chars] identifies sender mac and [chars] identifies the sender ip. [chars] identifies the target mac and [chars] identifies the target ip.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-3-DHCPRATELIMIT: Interface [chars] has been error disabled due to excessive ingress rate [dec] of DHCP packets.`

Explanation [chars] identifies the interface which has been error disabled due to excessive ingress rate [dec].

Recommended Action No action is required.

Error Message `DHCP_SNOOP-3-INVDHCPPKTS: Validation errors while processing DHCP packet received on interface [chars] vlan [dec] Reason:[chars]. Dropping the packet`

Explanation Validation errors DHCP packet receieved on the interface [chars] vlan [[dec]]. Reason:[chars]

Recommended Action No action is required.

Error Message `DHCP_SNOOP-3-IPV6APIINIT_FAILED: [chars]`

Explanation DHCP Snoop process failed to do ipv6_api_init [chars]

Recommended Action No action is required.

Error Message `DHCP_SNOOP-3-IPV6REGISTER_FAILED: [chars]`

Explanation DHCP Snoop process failed to do ipv6_register [chars]

Recommended Action No action is required.

Error Message `DHCP_SNOOP-3-MTSERROR: [chars]`

Explanation DHCP Daemon encountered an MTS error. [chars] specifies the context where the error occurred.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-3-PKTDROP: Packet dropped. Reason - [chars]`

Explanation Dropping the packet. [char] identifies the reason.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-3-PKTRECVFAIL: Failed to receive packet - [chars]`

Explanation Failed to receive packet. [char] identifies the reason.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-3-PKTSENDFAIL: Failed to send packet, - [chars]`

Explanation Failed to send packet. [char] identifies the reason.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-3-SETSOCKOPTFAIL: Failed to set socket option - [chars]`

Explanation Failed to set socket option [char] identifies the reason.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-3-SOCKBINDFAIL: Failed to bind to raw socket - [chars]`

Explanation Failed to bind to socket. [char] identifies the reason.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-3-SOCKOPENFAIL: Failed to open socket for receiving DHCP packets - [chars]`

Explanation An attempt to open a socket for receiving DHCP packets failed. [char] identifies the reason.

Recommended Action No action is required.

DHCP_SNOOP-4

Error Message `DHCP_SNOOP-4-ACL_DENY: [dec] Invalid ARP messages ([chars]) on [chars], vlan [dec]. ([[chars]/[chars]/[chars]/[chars]/[chars]])`

Explanation Packet-count [dec] Invalid ARPs (arp-type [chars]) on interface [chars], vlan [dec]. ([sender-mac [chars]/sender-ip [chars]/ target-mac [chars]/target-ip [chars]/ time-of-day [chars]])

Recommended Action No action is required.

Error Message `DHCP_SNOOP-4-DHCPREACHED2KLIMIT: dhcp snooping db reached 2k limit,Host (mac [chars] ip [chars] intf :[chars] vlan [dec]) is over and above 2k limit`

Explanation Host is above 2k limit

Recommended Action No action is required.

Error Message `DHCP_SNOOP-4-DHCPREMOTEEXPIRED: Lease already expired for remote host [chars] having IP address [chars] connected to interface [chars] in VLAN [dec] for lease [dec] secs. Cannot add remote host. Please check if system clock is in sync with NTP.`

Explanation The lease for remote host identified by [chars] with IP address [chars] connected to interface [chars] in VLAN [dec] with lease [dec] has already expired. Cannot add remote host.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-4-DHCP_SNOOPING_DENY: [dec] Invalid ARP messages ([chars]) on [chars], vlan [dec]. ([[chars]/[chars]/[chars]/[chars]/[chars]])`

Explanation Packet-count [dec] Invalid ARPs (arp-type [chars]) on interface [chars], vlan [dec]. ([sender-mac [chars]/sender-ip [chars]/ target-mac [chars]/target-ip [chars]/ time-of-day [chars]])

Recommended Action No action is required.

Error Message `DHCP_SNOOP-4-ERROR_DISABLED: Interface [chars] has moved to error disabled state due to excessive rate [dec] of ingress ARP packets`

Explanation Interface [chars] has moved to error disabled state due to excessive rate [dec] of ingress ARP packets

Recommended Action No action is required.

Error Message `DHCP_SNOOP-4-FHSCONFIGERR: DHCPv4 First Hop Security needs Dynamic Arp Inpection`

and IP Source Guard also to be enabled as well. On interface - [dec] in vlan - [dec], DAI is [chars] and IPSG is [chars].

Explanation DHCPv4 First Hop Security needs all of the EVPN, DAI and IPSG to be enabled.

Recommended Action Enable both DAI and IPSG.

Error Message DHCP_SNOOP-4-FHSSTATICENTRY: Host (mac [chars] ip [chars] on vlan [dec]) moving to this VTEP has static dhcp binding configuration on remote vtep For this VTEP to become anchor for the binding entry, remove the static dhcp binding configuration for this host on the remote vtep and configure static binding on this VTEP.

Explanation Static entry configuration should present on the box to make Anchor

Recommended Action SYSLOGDOC_NO_ACTION

Error Message DHCP_SNOOP-4-INVALID_ARP: [dec] Invalid ARP messages ([chars]) on [chars], vlan [dec]. ([[chars]/[chars]/[chars]/[chars]/[chars]])

Explanation Packet-count [dec] Invalid ARPs (arp-type [chars]) on interface [chars], vlan [dec]. ([sender-mac [chars]/sender-ip [chars]/ target-mac [chars]/target-ip [chars]/ time-of-day [chars]])

Recommended Action No action is required.

Error Message DHCP_SNOOP-4-KSTACKSOCKOPENFAIL: Failed to open socket for exchanging DHCP packets with localhost server - [chars]

Explanation An attempt to open a socket for exchanging DHCP packets with localhost server failed. [char] identifies the reason.

Recommended Action No action is required.

Error Message DHCP_SNOOP-4-SMARTRELAYMAXIPADDR: Smart relay is supported only on first [dec] IP addresses of the interface [chars].

Explanation There are more than SMARTRELAYMAXIPADDR addresses configured on the interface. [dec] is the number of IP addresses with which smart relay supported [chars] identifies the interface. This is an informational message.

Recommended Action No action is required.

Error Message DHCP_SNOOP-4-SMARTRELAYMAXLMT: Smart relay MAX limit [dec] reached. All subsequent DHCP packets will be relayed with primary address of inbound interface as relay agent address.

Explanation Smart relay MAX limit reached. [dec] is the number of smart relay bindings This is an

informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-4-SUBNETBCASTRELAYMAXIPADDR: subnet-broadcast relay is supported only on first [dec] IP addresses of the interface [chars].`

Explanation There are more than SUBNETBCASTRELAYMAXIPADDR addresses configured on the interface. [dec] is the number of IP addresses with which subnet-broadcast relay supported [chars] identifies the interface. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-4-V6SMARTRELAYMAXLMT: V6 Smart relay MAX limit [dec] reached. All subsequent DHCPv6 packets will be relayed with 1st IPv6 address of inbound interface as relay agent address.`

Explanation Smart relay MAX limit reached. [dec] is the number of smart relay bindings This is an informational message.

Recommended Action No action is required.

DHCP_SNOOP-5

Error Message `DHCP_SNOOP-5-ACL_PERMIT: [dec] ARP messages ([chars]) on [chars], vlan [dec]. ([[chars]/[chars]/[chars]/[chars]/[chars]])`

Explanation Packet-count [dec] ARPs (arp-type [chars]) on interface [chars], vlan [dec]. ([sender-mac [chars]/sender-ip [chars]/ target-mac [chars]/target-ip [chars]/ time-of-day [chars]])

Recommended Action No action is required.

Error Message `DHCP_SNOOP-5-DHCPHOSTADD: A new Host is [chars] connected to interface [chars] in VLAN [dec] and is allocated IP address [chars] for [dec] secs.`

Explanation A Host identified by [chars] has been added. [chars] identifies the interface. [dec] identifies the VLAN. [chars] identifies IP address. [dec] identifies the lease time in secs. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-5-DHCPLEASEEXPIRE: Lease expired for host [chars] having IP address [chars] connected to interface [chars] in VLAN [dec] for lease [dec] secs.`

Explanation The lease for host identified by [chars] with IP address [chars] connected to interface [chars] in VLAN [dec] with lease [dec] has expired.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-5-DHCPV6IAPDADD: Route added for prefix [chars] delegated to host [chars] connected on interface [chars] for valid lifetime [dec] secs.`

Explanation A route for host identified by [chars] has been added. [chars] identifies the interface. [chars] identifies Prefix. [dec] identifies the lease time in secs. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-5-DHCPV6IAPDDEL: Route deleted for prefix [chars] delegated to host [chars] connected on interface [chars].`

Explanation A route for host identified by [chars] has been deleted. [chars] identifies the interface. [chars] identifies Prefix. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-5-DHCPV6IAPDEXPIRE: Route expired for prefix [chars] delegated to host [chars] connected on interface [chars].`

Explanation A route for host identified by [chars] has expired. [chars] identifies the interface. [chars] identifies Prefix. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-5-DHCPV6IAPDSYNCADD: Route added for prefix [chars] delegated to host [chars] connected on interface [chars] for valid lifetime [dec] secs.`

Explanation A route for host identified by [chars] has been added. [chars] identifies the interface. [chars] identifies Prefix. [dec] identifies the lease time in secs. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-5-DHCPV6IAPDSYNCDEL: Route deleted for prefix [chars] delegated to host [chars] connected on interface [chars].`

Explanation A route for host identified by [chars] has been deleted. [chars] identifies the interface. [chars] identifies Prefix. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-5-DHCPV6ROUTEADDFAIL: The route addition for host [chars] connected to interface [chars] assigned prefix [chars] for [dec] secs has failed.`

Explanation The route addition for host identified by [chars] has failed. [chars] identifies the interface. [chars] identifies Prefix. [dec] identifies prefix length [dec] identifies the lease time in secs. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-5-DHCPV6ROUTEDELFAIL: The route deletion for host [chars] connected to interface [chars] assigned prefix [chars] for [dec] secs has failed.`

Explanation The route deletion for host identified by [chars] has failed. [chars] identifies the interface. [chars] identifies Prefix. [dec] identifies prefix length [dec] identifies the lease time in secs. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-5-DHCP_SNOOPING_PERMIT: [dec] ARP messages ([chars]) on [chars], vlan [dec]. ([[chars]/[chars]/[chars]/[chars]/[chars]])`

Explanation Packet-count [dec] ARPs (arp-type [chars]) on interface [chars], vlan [dec]. ([sender-mac [chars]/sender-ip [chars]/ target-mac [chars]/target-ip [chars]/ time-of-day [chars]])

Recommended Action No action is required.

Error Message `DHCP_SNOOP-5-IPV6RELAYBINDCREATE: IPv6 Relay binding entry created for client MAC [chars] on Interface [chars]`

Explanation A new binding entry for client with MAC [chars] and interface [chars] has been created in the binding entry table. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-5-IPV6RELAYBINDDELETE: IPv6 Relay binding entry deleted for client MAC [chars] on Interface [chars]`

Explanation The binding entry for client with MAC [chars] and interface [chars] has been deleted from the binding entry table. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-5-RELAYSNOOPDAIENABLE: DHCP Snooping must be enabled for this CLI to work`

Explanation DHCP Relay DAI feature requires snooping enabled at the global and vlan level for binding DB creation. Use 'ip dhcp snooping' and 'ip dhcp snooping vlan This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-5-VLANDISABLE: DHCP Snooping disabled on vlan [dec]`

Explanation DHCP Snooping was disabled on a given vlan. [dec] is the VLAN-ID that identifies the vlan. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-5-VLANENABLE: DHCP Snooping enabled on vlan [dec]`

Explanation DHCP Snooping was enabled on a given vlan. [dec] is the VLAN-ID that identifies the vlan. This is an informational message.

Recommended Action No action is required.

DHCP_SNOOP-6

Error Message `DHCP_SNOOP-6-DAIVLANDISABLE: DAI disabled on vlan [dec]`

Explanation Dynamic ARP Inspection was disabled on a given vlan. [dec] is the VLAN-ID that identifies the vlan. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-6-DAIVLANENABLE: DAI enabled on vlan [dec]`

Explanation Dynamic ARP Inspection was enabled on a given vlan. [dec] is the VLAN-ID that identifies the vlan. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-6-DHCPBINDSYNC: Binding entry with MAC [chars] interface [chars] VLAN [dec] IP address [chars] and lease time [dec] secs is synced.`

Explanation Binding entry identified by [chars] has been synced. [chars] identifies the interface. [dec] identifies the VLAN. [chars] identifies IP address. [dec] identifies the lease time in secs. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-6-DHCPEXIT: DHCP Daemon shutting down gracefully.`

Explanation DHCP Daemon is shutting down gracefully. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-6-DHCPPERMITTEDARP: ARP frame permitted due to DHCP snooping binding on interface [chars] vlan [dec] sender mac [chars] sender ip [chars] target mac [chars] target ip [chars].`

Explanation [chars] identifies interface and [dec] identifies the vlan on which ARP packets have been permitted. [chars] identifies sender mac and [chars] identifies the sender ip. [chars] identifies the target mac and [chars] identifies the target ip.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-6-DHCPPKTFWD: Gracefully forwarding DHCP packet. Reason: [chars]`

Explanation Gracefully forwarding DHCP packet. reason [chars]

Recommended Action No action is required.

Error Message `DHCP_SNOOP-6-DHCPUP: DHCP Daemon Up.`

Explanation DHCP Daemon was created successfully and is up and running. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-6-INFO: [chars]`

Explanation An event during switchover. [chars] explains the reason for the failure.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-6-INTFDISABLE: IP Src Guard disabled on intf [chars]`

Explanation IP Src Guard was disabled on a given intf. [chars] is the intf-ID string that identifies the intf. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-6-INTFENABLE: IP Src Guard enabled on intf [chars]`

Explanation IP Src Guard was enabled on a given intf. [chars] is the intf-ID string that identifies the intf. This is an informational message.

Recommended Action No action is required.

Error Message `DHCP_SNOOP-6-NONDHCPPKTFWD: Non DHCP packet with src port:[dec] dst port:[dec] on intf:[chars] vlan:[dec]. Forwarding on [chars]`

Explanation Non DHCP packet arrived with UDP src/dst ports [dec], [dec] on interface [chars], vlan [dec]. Forwarding the packet on [chars]

Recommended Action No action is required.

Error Message `DHCP_SNOOP-6-OPT82INSTFAIL: [chars] [chars]`

Explanation Insertion of Option82 suboptions failed. [chars] tells the failure. [chars] explains the reason for failure. This is an informational message.

Recommended Action No action is required.

DIAGCLIENT Messages

This section contains the DIAGCLIENT messages.

DIAGCLIENT-2

Error Message `DIAGCLIENT-2-DIAG_BOOTUP_COMPLETE: Module <[dec]> Bootup Test <[chars]> has reported <[chars]>`

Explanation Bootup Test completed

Recommended Action Nothing to be done if the test reports SUCCESS otherwise copy the error message exactly as it appears on the console, gather the output of show tech-support, and contact your Cisco technical support representative with the gathered information

Error Message `DIAGCLIENT-2-DIAG_HM_FAIL: Module <[dec]> Health Monitoring Test <[chars]> has failed <[dec]> consecutive times due to error <[chars]> Please use 'show diagnostic result ' to see test results`

Explanation A Health Monitoring Test has reported failure

Recommended Action Ensure the line card is firmly in the slot, reseat if necessary, and attempt to run the test again if the line card is not seated properly in the slot. If the line card was properly seated in the slot, copy the error message exactly as it appears on the console, gather the output of show tech-support, and contact your Cisco technical support representative with the gathered information.

Error Message `DIAGCLIENT-2-DIAG_TOC_CORRUPTION: Diagnostic TOC entry [dec] is invalid`

Explanation TOC entries may be corrupted

Recommended Action No action is required.

Error Message `DIAGCLIENT-2-EEM_ACTION_HM_SHUTDOWN: Test <[chars]> has been disabled as a part of default EEM action`

Explanation Informational Syslog

Recommended Action No action is required.

Error Message `DIAGCLIENT-2-PER_PORT_SPINE_TEST_FAIL: Module <[dec]> Test <[chars]> has failed <[dec]> consecutive times on Ports <[chars]> faulty spine <[chars]> due to error <[chars]> Please use 'show diagnostic result ' to see test results`

Explanation Per Port Test has failed on the above all ports

Recommended Action No action is required.

Error Message `DIAGCLIENT-2-PER_PORT_TEST_FAIL: Module <[dec]> Test <[chars]> has failed <[dec]> consecutive times on Ports <[chars]> due to error <[chars]> Please use 'show diagnostic result ' to see test results`

Explanation Per Port Test has failed on the above all ports

Recommended Action No action is required.

Error Message `DIAGCLIENT-2-PSS_READ_FAILURE: Read from PSS failed on Module <[dec]>`

Explanation Read operation from PSS store failed

Recommended Action No action is required.

Error Message `DIAGCLIENT-2-PSS_WRITE_FAILURE: Write to PSS failed on Module <[dec]>`

Explanation Write operation on PSS store failed

Recommended Action No action is required.

DIAGCLIENT-3

Error Message `DIAGCLIENT-3-ONDEMAND_FAIL_EXCESS: Module <[dec]> Test <[chars]> has failed more than <[dec]> number of times`

Explanation Ondemand test has failed more than configured number of times

Recommended Action Copy the error message exactly as it appears on the console, gather the output of show tech-support, and contact your Cisco technical support representative with the gathered information

DIAGCLIENT-4

Error Message `DIAGCLIENT-4-LC_OFFLINE_FOR_CURR_SLOT: Received LC offline event for the current slot:[dec]. Ignoring it`

Explanation Informational Syslog

Recommended Action No action is required.

Error Message `DIAGCLIENT-4-MTS_SEND_FAILURE: MTS send failed, mts_opc: [chars], dest slot: [dec], dest SAP: [dec], error-id: 0x[hex]`

Explanation MTS send reports failure

Recommended Action No action is required.

DIAGCLIENT-5

Error Message `DIAGCLIENT-5-CALLOC_FAILURE: Memory allocation failed`

Explanation DiagClient process could not allocate memory

Recommended Action No action is required.

Error Message `DIAGCLIENT-5-DIAG_ONDEMAND_TEST_FINISH: Module [dec]: Ondemand test [chars] finished`

Explanation Informational Syslog

Recommended Action No action is required.

Error Message `DIAGCLIENT-5-DIAG_ONDEMAND_TEST_START: Module [dec]: Ondemand test [chars] started`

Explanation Informational Syslog

Recommended Action No action is required.

Error Message `DIAGCLIENT-5-DIAG_ONDEMAND_TEST_STOP: Module [dec]: Ondemand test [chars] stopped`

Explanation Informational Syslog

Recommended Action No action is required.

Error Message `DIAGCLIENT-5-DIAG_SCHED_COMPLETE: Module <[dec]> Test <[chars]> has completed Scheduled Testing`

Explanation A scheduled Test was completed

Recommended Action No action is required.

Error Message `DIAGCLIENT-5-ONDEMAND_FAIL: Module <[dec]> Test <[chars]> has failed in Test_Iteration <[chars]>`

Explanation The specified test has reported FAILURE in this Iteration

Recommended Action No action is required.

Error Message `DIAGCLIENT-5-ONDEMAND_SUCCESS: Module <[dec]> Test <[chars]> has completed successfully in Test_Iteration <[chars]>`

Explanation The specified test has reported SUCCESS in this Iteration

Recommended Action No action is required.

DIAGMGR Messages

This section contains the DIAGMGR messages.

DIAGMGR-2

Error Message `DIAGMGR-2-INTRVL_INCORRECT: Monitoring Interval is less than minimum of [dec] seconds required for Module <[dec]> test <[chars]>`

Explanation Health Monitoring cannot be enabled for the specified test because the interval for the test has been incorrectly set

Recommended Action The system is working properly and no user action is required. If you want to specify a smaller testing interval, the error message text provides the lowest possible configurable interval for the specified monitoring interval

Error Message `DIAGMGR-2-MODULE_ERROR: Test-id(s) [dec] are invalid on Module [dec]`

Explanation Test id is invalid on this module

Recommended Action No action is required.

Error Message `DIAGMGR-2-MTS_SEND_FAILURE: MTS send failed, mts_opc: [chars], dest slot: [dec], dest SAP: [dec], error-id: 0x[hex]`

Explanation MTS send reports failure

Recommended Action No action is required.

Error Message `DIAGMGR-2-PSS_DELETE_FAILURE: Read from PSS failed on Module <[dec]>`

Explanation Read operation from PSS store failed

Recommended Action No action is required.

Error Message `DIAGMGR-2-PSS_WRITE_FAILURE: Write to PSS failed on Module <[dec]>`

Explanation Write operation on PSS store failed

Recommended Action No action is required.

Error Message `DIAGMGR-2-TEST_ERROR: Test-id [dec] are not Health Monitoring on Module [dec]`

Explanation Test id is not valid HM test

Recommended Action No action is required.

DIAGMGR-3

Error Message `DIAGMGR-3-DIAG_MAJOR_DEFECT: Module <[dec]> Test <[chars]> detected a Major Error Please use 'show diagnostic result ' to see test results`

Explanation A major error was detected during diagnostic testing

Recommended Action Re-seat the card and retry the test. If the same result occurs after reseating the card and retrying the test, copy the error message exactly as it appears on the screen and gather the output of show tech-support and any other relevant information. Contact your technical support representative with the gathered information.

Error Message `DIAGMGR-3-DIAG_MINOR_DEFECT: Module <[dec]> Test <[chars]> detected a Minor Error Please use 'show diagnostic result ' to see test results`

Explanation A minor error was detected during diagnostic testing

Recommended Action Re-seat the card and retry the test. If the same result occurs after reseating the card and retrying the test, copy the error message exactly as it appears on the screen and gather the output of show tech-support and any other relevant information. Contact your technical support

representative with the gathered information

Error Message `DIAGMGR-3-GET_CURR_SLOT_FAIL: Failed to get the current slot for the process. Error:[chars]`

Explanation The process initialization failed to get the current slot.

Recommended Action This is an informational message stating that a process initialization failure.

DIAGMGR-4

Error Message `DIAGMGR-4-CURR_SLOT_OFFLINE: Recevied an LC offline event for the current slot:[dec]. Ignoring it`

Explanation The process received an offline event for the slot it is running. Ignoring it.

Recommended Action This is an informational message stating that an unexpected event has been encountered.

Error Message `DIAGMGR-4-DISRPT_TST_START: Starting Test <[chars]> on Module <[dec]> is Disruptive`

Explanation Starting a Disruptive Test can disturb the system's normal functionality

Recommended Action Reset target module

Error Message `DIAGMGR-4-FIXED_INTRVL_CHANGED: The users are not allowed to change monitoring interval of Test <[chars]>`

Explanation The specified health monitoring test interval is not user-configurable and therefore cannot be changed

Recommended Action Nothing. The specific health monitoring interval is not user- configurable by design so nothing can be done to change the interval

Error Message `DIAGMGR-4-TEST_ACTIVE: Test-id [dec] Configuration will be effective when the SUP will be Active`

Explanation Test id Configuration will be effective when the SUP will be Active

Recommended Action No action is required.

Error Message `DIAGMGR-4-TEST_STANDBY: Test-id [dec] Configuration will be effective when the SUP will be Standby`

Explanation Test id Configuration will be effective when the SUP will be Standby

Recommended Action No action is required.

DIAGMGR-5

Error Message `DIAGMGR-5-BOOTUP_CONF: Diagnostic Bootup Level: <[chars]>`

Explanation Current Diagnostic BootUp Level being configure or changed

Recommended Action No action is required.

Error Message `DIAGMGR-5-CALLOC_FAILURE: Memory allocation failure`

Explanation Memory allocation in a call to malloc/calloc has failed

Recommended Action No action is required.

Error Message `DIAGMGR-5-CHANGE_ALWAYS_HM: Health Monitoring test <[chars]> in Module <[dec]> is a must run and cannot be modified`

Explanation The specified health monitoring test must be run and cannot be disabled

Recommended Action Nothing. The specific health monitoring test cannot be disabled by design. The system is working properly.

Error Message `DIAGMGR-5-HM_START: Health monitoring test <[chars]> for Module <[dec]>`

Explanation Health Monitoring Test started

Recommended Action No action is required.

Error Message `DIAGMGR-5-HM_STOP: Disabling health monitoring test <[chars]> for Module <[dec]>`

Explanation Health Monitoring Test has been stopped It can be enabled through the diagnostic monitor..... command

Recommended Action No action is required.

Error Message `DIAGMGR-5-MODULE_MISSING: Diagnostic command issued on non-existing Module <[dec]>`

Explanation A line card could not be located in a slot where a diagnostic action was requested

Recommended Action Ensure the targeted line card is properly seated in the specified slot. If the line card is properly seated, ensure the correct slot was indicated in the command-line interface. If the line card is well-seated and the correct slot was specified, copy the error message exactly as it appears on the screen as well as the output of show tech-support and paste the output into a separate file. Contact your technical support representative with the gathered information

Error Message `DIAGMGR-5-NONHM_AS_HM: The Test <[chars]> cannot be used as health monitoring test`

Explanation Non-HM test cannot be scheduled to run as a Health Monitoring test

Recommended Action No action is required.

DIAGMGR-6

Error Message `DIAGMGR-6-BOOTUP_DIAG_OK: Module <[dec]>: Passed Online Diagnostics`

Explanation The diagnostic tests did not detect any error on the card.

Recommended Action This is an informational message stating that the line card passed the diagnostic tests.

Error Message `DIAGMGR-6-BOOTUP_TEST_STARTED: Module <[dec]>: Running [chars] Diagnostics`

Explanation Starting bootup testing for above module

Recommended Action No action is required.

DIAG_PORT_LB Messages

This section contains the DIAG_PORT_LB messages.

DIAG_PORT_LB-2

Error Message `DIAG_PORT_LB-2-BOOTUP_PORTLOOPBACK_TEST_FAIL: Module:[dec] Test:Bootup PortLoopback failed [dec] consecutive times. Faulty module:[chars] [chars] Error:[chars]`

Explanation Bootup PortLoopback test failed on the module consecutively

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-2-FIPS_RANDOM_ERROR: Random Number Generation Failure`

Explanation Random Number genration failed in FIPS module

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-2-FIPS_TEST_FAIL: Module:[dec] Test:MACSEC verification failed [dec] consecutive times. Faulty module:[chars] [chars] Error:[chars]`

Explanation MACSEC test failed on the module consecutively

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-2-L2ACLREDIRECT_LOOPBACK_TEST_FAIL_ERROR_CODE: Warning! Failure due to [chars].`

Explanation Warning! L2ACLRedirect Loopback test failed error code

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-2-L2ACLREDIRECT_LOOPBACK_TEST_FAIL: Module:[dec] Test:L2ACLRedirect Loopback failed [dec] consecutive times. Faulty module:[chars] [chars] Error:[chars]`

Explanation L2ACLRedirect Loopback test failed on the module consecutively

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-2-L2ACLREDIRECT_LOOPBACK_TEST_INTERMEDIATE_FAIL: Warning! Module:[dec] Test:L2ACLRedirect Loopback failed [dec] consecutive times. Upon reaching consecutive failure threshold corrective action would be taken.`

Explanation Warning! L2ACLRedirect Loopback test failed on the module consecutively

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-2-L2ACLREDIRECT_LOOPBACK_TEST_INVALID_SEQ_NUM: Warning! L2ACLREDIRECT Loopback failed. [dec] pkts with invalid seq_num received`

Explanation Warning! L2ACLREDIRECT Loopback packets with invalid sequence number received

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-2-LCM_RESP_SEND_FAILURE: LC Inserted request response send to Module Manager failed . Error:[chars]`

Explanation Failed to send the response for LC insertion to Module Manager.

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-2-LIF_GET_ERROR: [chars]([dec]) [chars] Error:[chars]`

Explanation Port Loopback test process failed to get Diagnostic LIF id

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-2-MALLOC_FAILURE: [chars]([dec]) Memory allocation failed.`

Explanation Port Loopback test process could not allocate memory

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-2-PORTLOOPBACK_TEST_FAIL: Module:[dec] Test:PortLoopback failed [dec] consecutive times. Faulty module:[chars] [chars] Error:[chars]`

Explanation PortLoopback test failed on the module consecutively

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-2-PROC_INIT_FAILURE: [chars]([dec]) [chars] Error:[chars]`

Explanation Port Loopback test process failed in process initialization

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-2-REWRITE_ENGINE_LOOPBACK_TEST_FAIL: Module:[dec] Test:RewriteEngine Loopback failed [dec] consecutive times. Faulty module:[chars] [chars] Error:[chars]`

Explanation Rewrite Engine Loopback test failed on the module consecutively

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-2-SNAKE_TEST_LOOPBACK_TEST_FAIL: Module:[dec] Test:SnakeLoopback failed [dec] consecutive times. Faulty module:[chars] affected ports:[chars] Error:[chars]`

Explanation Snake test failed on the module consecutively

Recommended Action No action is required.

DIAG_PORT_LB-3

Error Message `DIAG_PORT_LB-3-DIAG_FWD_PATH_SETUP_FAILURE: [chars]. Module:[dec] Error:[chars].`

Explanation Forwarding path setup for port loopback tests failed

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-DIAG_PKT_SEND_FAILURE: [chars]([dec]) [chars]. Error:[chars]`

Explanation Port Loopback test process failed to send loopback packets.

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-FSM_LIB_ERROR: [chars]([dec]) [chars]. Error:[chars]`

Explanation Port Loopback test process failed in MTS API.

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-GET_DIAG_BD_FAIL: [chars]([dec]) Failed to get the BD for Diag VLAN:[dec]. Error:[chars].`

Explanation Failed to get the BD corresponding to the Diag VLAN

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-IFINDEX_LIB_FAILURE: [chars]([dec]) [chars] [chars]:[hex] [chars] [chars]`

Explanation Port Loopback test process failed in if_index library API

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-INVALID_TEST_REQUEST: [chars]([dec]) [chars]:%zd`

Explanation Port Loopback test process failed to get test request info.

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-INVALID_TEST_RUN: [chars]([dec]) [chars]:[dec]`

Explanation Port Loopback test process failed to get the current test run information

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-PDB_LIB_API_ERROR: Failed to [chars]. Error:[dec].`

Explanation The port loopback test was not able to get chassis info

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-PIXM_LIB_ERROR: [chars]([dec]) Failed to convert [chars]:[hex] to [chars]. Error:[chars]`

Explanation Port Loopback test process failed to convert port ifindex <-> port index.

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-PORT_CLIENT_LIB_ERROR: [chars]([dec]) [chars]. Error:[chars]`

Explanation Port Loopback test process failed in Port Client API.

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-RESULT_ADD_FAILURE: [chars]([dec]) [chars]:[dec]`

Explanation Port Loopback test process failed to add the port test result

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-RESULT_SEND_FAILURE: [chars]([dec]) [chars]`

Explanation Port Loopback test process failed to send the test results

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-RW_ENGINE_LOOPBACK_TEST_SPINE_PATH_FAIL: Module:[dec] Test:RewriteEngine Loopback Spine path:[dec] failed [dec] consecutive times. Error:[chars]`

Explanation Rewrite Engine Loopback test failed on the spine path consecutively

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-SOCKET_ERROR: [chars]([dec]) [chars] Error:[chars]`

Explanation Port Loopback test process failed in socket operations

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-STATS_LIB_ERROR: [chars]([dec]) [chars]:[dec]`

Explanation Port Loopback test process failed in stats infra lib API.

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-TEST_RES_SEND_FAIL: Failed to send [chars] test results back to Diagnostics Infrastucture. Error:[chars].`

Explanation The port loopback test was not able to send the test results

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-TIMER_LIB_ERROR: [chars]([dec]) [chars]`

Explanation Port Loopback test process timer handling failure.

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-VLAN_ERROR: [chars]([dec]) [chars] Error:[chars]`

Explanation Port Loopback test process failed to get Diagnostic VLAN info

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-VQI_GET_FAIL: Failed to get the Diag VQi from XBM. Error:[chars]`

Explanation Rewrite Engine Loopback test failed to get the Diag VQi from XBAR Mgr

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-3-XBM_CFG_REQ_FAIL: Failed to conigure the XBAR mask while running the RewriteEngineLoopback test. Error:[chars]. Module:[dec] could have gone offline`

Explanation Rewrite Engine Loopback test failed to set the XBAR mask while running the test. The target module could have gone offline

Recommended Action No action is required.

DIAG_PORT_LB-4

Error Message `DIAG_PORT_LB-4-MTS_LIB_ERROR: [chars]([dec]) [chars]. Warning:[chars]`

Explanation Port Loopback test process failed in MTS API.

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-4-PORT_CFG_REQ_SEND: [chars]([dec]) Failed to send request to configure port ifindex:[dec] for port loopback test`

Explanation Failed to configure/restore the port to do/cleanup port loopback testing

Recommended Action No action is required.

DIAG_PORT_LB-5

Error Message `DIAG_PORT_LB-5-DIAG_PORT_LB_DISABLED: DIAG_PORT_LB Disabled`

Explanation DIAG_PORT_LB Service Disabled

Recommended Action No action is required.

Error Message `DIAG_PORT_LB-5-DIAG_PORT_LB_ENABLED: DIAG_PORT_LB Enabled`

Explanation DIAG_PORT_LB Service Enabled

Recommended Action No action is required.

DOT1X Messages

This section contains the DOT1X messages.

DOT1X-2

Error Message `DOT1X-2-DOT1X_INIT: Dot1x unable to start`

Explanation The system failed to create the Dot1x process

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

DOT1X-3

Error Message `DOT1X-3-ACL_MGR_FAILURE: ACL Mgr returned with code [hex]`

Explanation ACL Mgr returned with code

Recommended Action ACL Mgr returned with code

Error Message `DOT1X-3-DISABLE_DACL: Dynamic ACL not supported`

Explanation Dynamic ACL not supported

Recommended Action Dynamic ACL not supported

Error Message `DOT1X-3-DOT1X_ENABLE_STATIC_MAC_FOUND: Static mac found on an interface [chars], dot1x enable failed in ethpm pre-cfg`

Explanation Dot1x is not supported on an interface which is configured with static mac entries

Recommended Action Remove the static mac entry on the interface

Error Message `DOT1X-3-ERR_SPANDST: Dot1x can not be enabled on [chars]. It is configured as a SPAN Dest port.`

Explanation Dot1x and SPAN Dest ports are mutually exclusive features.

Recommended Action Disable SPAN destination port configuration first before reconfiguring Dot1x on the port.

Error Message `DOT1X-3-EXCEEDED_ACE_COUNT: Client [chars] has exceeded ACEs in ACL AV-Pair from ISE. Maximum number of ACEs supported in AV Pair from ISE is 32.`

Explanation Client exceeded maximum ACEs in AV Pair from ISE

Recommended Action Client exceeded maximum ACEs in AV Pair from ISE

Error Message `DOT1X-3-INVALID_ACL_CHANGE: Client [chars] has a change in ACL AV-Pair from ISE. Only 1 ACL supported per interface`

Explanation Dynamic change in ACL content from ISE not supported

Recommended Action Dynamic change in ACL content from ISE not supported

Error Message `DOT1X-3-INVALID_DACL_DVLAN: Client [chars] has DVLAN and DACL configured. This is not supported`

Explanation Dacl and dvlan cannot be configured on same client

Recommended Action Configure dacl or dvlan on a given client

Error Message `DOT1X-3-INVALID_DACL: Invalid DACL name [chars] for client [chars]`

Explanation Client received invalid DACL from ISE

Recommended Action Only single DACL supported per box.

Error Message `DOT1X-3-INVALID_DVLAN: Dvlan client [chars] not allowed. Interace already has non-dvlan clients`

Explanation DVLAN Clients not allowed as the Interface contains non DVLAN clients

Recommended Action Unsupported dvlan configuration

Error Message `DOT1X-3-INVALID_INPUT: Dot1x Interface parameter is Invalid on interface [chars].`

Explanation The Dot1x interface parameter is out of the specified range or is invalid.

Recommended Action Refer to the CLI help documentation to determine the valid 802.1x parameters.

Error Message `DOT1X-3-INVALID_NON_DVLAN: Non-dvlan client [chars] not allowed. Interace already has dvlan clients`

Explanation Non-DVLAN Clients not allowed as the Interface contains active DVLAN clients

Recommended Action Unsupported dvlan configuration

Error Message `DOT1X-3-MEM_UNAVAIL: Memory was not available to perform the 802.1X action.`

Explanation Insufficient system memory is available to perform the Dot1x Authentication.

Recommended Action Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

Error Message `DOT1X-3-NONEXISTENT_DACL: DACL [chars] does not exist on switch`

Explanation DACL for blocklist clients is not found on switch

Recommended Action Preconfigure DACL on switch

Error Message `DOT1X-3-NOT_DOT1X_CAPABLE: Dot1x is not supported on [chars] port [chars].`

Explanation Dot1x Authentication can only be enabled on physical Ethernet interfaces.

Recommended Action Enable Dot1x Authentication on physical Ethernet interfaces only.

Error Message `DOT1X-3-SECURE_MAC_INSERT_FAILED: Mac address [chars] could not be secured on interface [chars]`

Explanation The interface specified in the error message could not secured supplicant mac. The port has been Error disabled.

Recommended Action Mac address could not be added into mac address table. Enter the shutdown followed by no shutdown command to restart authentication on the port.

Error Message `DOT1X-3-SECURITY_VIOLATION: Security violation New MAC address [chars] is seen on interface [chars] in [chars] mode`

Explanation The port on the interface specified in the error message is configured in single host mode. Any new host that is detected on the interface is treated as a security violation. The port has been Error disabled.

Recommended Action Ensure that the port is configured to use only one host. Enter the shutdown followed by no shutdown command to restart the port.

Error Message `DOT1X-3-SM_INIT: Internal error while initializing state machine [chars], state [chars]: [chars]`

Explanation An attempt was made to initialize an invalid state machine.

Recommended Action Initialize dot1x state machine

DOT1X-4

Error Message `DOT1X-4-BADEVENT: Event [chars] is invalid for the current state [chars]: [chars] [chars]`

Explanation An attempt was made to post an event to a state machine that is invalid for the current state.

Recommended Action Initialize dot1x state machine

Error Message `DOT1X-4-MAB_DISABLED_ON_PCM: Interface [chars] is a member of portchannel, MAB is not supported on this port`

Explanation MAB is not supported on portchannel member port

Recommended Action To enable MAB make sure that port is not member of portchannel

Error Message `DOT1X-4-MAB_DISABLED: Interface [chars] is in Trunk mode, MAB is not supported on this port`

Explanation MAB is not supported on Trunk port

Recommended Action To enable MAB make sure that port is not in trunk mode

Error Message `DOT1X-4-MULTIHOST_ON_PCM: Interface [chars] is a member of portchannel, dot1x host mode will be multi-host and changing it to other modes won't be supported`

Explanation Current Port is a member of portchannel, so dot1x host mode has to be in multi-host mode.

Recommended Action To change host mode, ensure that port is not a member of portchannel

Error Message `DOT1X-4-MULTI_AUTH_NOT_SUPPORTED: dot1x host mode with MULTI-AUTH won't be supported on EOR or REDMOND`

Explanation Dot1x host mode multi-auth will not be supported on EOR and REDMOND

Recommended Action Do not configure multi-auth host mode.

Error Message `DOT1X-4-PSEC_ON_PCM: Interface [chars] is a member port or portchannel interface with port security configration`

Explanation Dot1x is not supported on member ports or port channel with port security configuration

Recommended Action Remove port security configuration on the member port or port channel interface

Error Message `DOT1X-4-STOPPED: Event [chars] ignored because the state machine is stopped: [chars] [chars]`

Explanation An attempted was made to post an event to a state machine that has already been stopped.

Recommended Action An internal error has occurred with the state machine. The traceback should indicate the guilty party.

Error Message `DOT1X-4-TO_MULTIHOST: Interface [chars] is in trunk mode, dot1x host mode will be multi-host and changing it to other host mode won't be supported`

Explanation Current Port is in trunk mode, so dot1x host mode has to be in multi-host mode.

Recommended Action To change host mode, ensure that port is not in trunk mode

DOT1X-5

Error Message `DOT1X-5-DOT1X_DISABLED: dot1x Disabled`

Explanation Dot1x Service Disabled

Recommended Action No action is required.

Error Message `DOT1X-5-DOT1X_ENABLED: dot1x Enabled`

Explanation Dot1x Service Enabled

Recommended Action No action is required.

Error Message `DOT1X-5-DOT1X_NOTIF: [chars]`

Explanation Dot1x Notification

Recommended Action No action is required.

Error Message `DOT1X-5-INVALID_EAPOL: Invalid EAPOL packet formation for type [dec]: packet body length [dec] interface [chars] MTU [dec]`

Explanation 802.1X received invalid EAPOL packet

Recommended Action Verify source of EAPOL packets

Error Message `DOT1X-5-INVALID_MAC: Invalid MAC address(drop, zero, broadcast or multicast mac address) [chars] is trying to authenticate.`

Explanation Authentication using 802.1x is not allowed for zero, broadcast, and multicast source MAC addresses.

Recommended Action Connect a Dot1x supported Host to the Dot1x enabled port.

Error Message `DOT1X-5-PAC_STATUS: PAC provisioning for the server [chars] through the vrf [chars] [chars]`

Explanation PAC provisioning status

Recommended Action No action is required.

Error Message `DOT1X-5-SESSION_CREATION: Dot1x authentication session initiated in interface [chars] using authentication method [chars]`

Explanation Dot1x authentication session has been created after successful authentication of supplicant

Recommended Action No action is required.

Error Message `DOT1X-5-SESSION_TERMINATION: Dot1x authentication session in interface [chars] using authentication method [chars] is terminated because of [chars] and port moved to [chars] state`

Explanation Dot1x authentication session has been terminated

Recommended Action No action is required.

Error Message `DOT1X-5-STATUS: Dot1x interface [chars] status changed from [chars] to [chars]`

Explanation Dot1x authenticator has changed its internal state

Recommended Action No action is required.

DOT1X-6

Error Message `DOT1X-6-NOT_DOT1X_CAPABLE_SAT_FABRIC: Dot1x is not supported on [chars] port [chars].`

Explanation Dot1x Authentication can only be enabled on physical Ethernet interfaces.

Recommended Action Enable Dot1x Authentication on physical Ethernet interfaces only.

DSTATS Messages

This section contains the DSTATS messages.

DSTATS-2

Error Message `DSTATS-2-PSS_INIT_FAIL: pss initialization failed due to error: 0x[hex]`

Explanation Dstats process pss initialization failure due to error [hex].

Recommended Action Collect more information using command 'show flash'. See pss system error codes for reason.

DSTATS-3

Error Message `DSTATS-3-PSS_CREATE_FAIL: pss create runtime database failed due to error: 0x[hex]`

Explanation Dstats process pss create runtime database failure due to error [hex].

Recommended Action Collect more information using command 'show flash'. See pss system error codes for reason.

Error Message `DSTATS-3-PSS_DELETE_FAIL: pss delete runtime entry key:0x[hex] failed due to error: 0x[hex]`

Explanation Dstats process pss delete runtime entry key [hex] failure due to error [hex].

Recommended Action Collect more information using command 'show flash'. See pss system error codes for reason.

Error Message `DSTATS-3-PSS_MAX_KEY_FAIL: pss set runtime max key failed due to error: 0x[hex]`

Explanation Dstats process pss set runtime max key failure due to error [hex].

Recommended Action Collect more information using command 'show flash'. See pss system error codes for reason.

Error Message `DSTATS-3-PSS_MAX_VALUE_FAIL: pss set runtime max value failed due to error: 0x[hex]`

Explanation Dstats process pss set runtime max value failure due to error [hex].

Recommended Action Collect more information using command 'show flash'. See pss system error codes for reason.

Error Message `DSTATS-3-PSS_OPEN_FAIL: pss open runtime database failed due to error: 0x[hex]`

Explanation Dstats process pss open runtime database failure due to error [hex].

Recommended Action Collect more information using command 'show flash'. See pss system error codes for reason.

Error Message `DSTATS-3-PSS_RELOAD_FAIL: pss reload runtime database failed due to error: 0x[hex]`

Explanation Dstats process pss reload runtime database failure due to error [hex].

Recommended Action Collect more information using command 'show flash'. See pss system error codes for reason.

Error Message `DSTATS-3-PSS_SNAPSHOT_DEBUG_FAIL: pss snapshot runtime debug to uri:[chars] failed due to error: 0x[hex]`

Explanation Dstats process pss snapshot of runtime debug to uri [string] failed due to error [hex].

Recommended Action Collect more information using command 'show flash'. See pss system error codes for reason.

Error Message `DSTATS-3-PSS_SNAPSHOT_FAIL: pss snapshot runtime to uri:[chars] failed due to error: 0x[hex]`

Explanation Dstats process pss snapshot of runtime to uri [string] failed due to error [hex].

Recommended Action Collect more information using command 'show flash'. See pss system error codes for reason.

Error Message `DSTATS-3-PSS_STORE_FAIL: pss store runtime entry key:0x[hex] val:0x[hex] failed due to error: 0x[hex]`

Explanation Dstats process pss store runtime entry key [hex] value [hex] failure due to error [hex].

Recommended Action Collect more information using command 'show flash'. See pss system error codes for reason.

ELTMC Messages

This section contains the ELTMC messages.

ELTMC-SLOT#-2

Error Message `ELTMC-SLOT#-2-ELTMC_GENERIC_DEBUG: [chars]`

Explanation Logging some generic debugging info

Recommended Action No action is required.

Error Message `ELTMC-SLOT#-2-ELTMC_INTERFACE_INTERNAL_ERROR: Internal error: [chars]:[chars], collect output of show tech-support eltm`

Explanation ELTM hit a internal error. Collect show tech-support eltm for futher analysis.

Recommended Action No action is required.

Error Message `ELTMC-SLOT#-2-ELTMC_INTERNAL_ERROR: Internal error: [chars], collect output of show tech-support eltm`

Explanation ELTM hit a internal error. Collect show tech-support eltm for futher analysis.

Recommended Action No action is required.

Error Message `ELTMC-SLOT#-2-ELTMC_INTF_NOT_FOUND: Interface [chars] not found in ELTM database [chars]`

Explanation ELTM database doesn't have the interface.

Recommended Action No action is required.

Error Message `ELTMC-SLOT#-2-ELTMC_INTF_NOT_SUPP: Interface [chars] not supported by ELTM [chars]`

Explanation ELTM doesn't support the interface for the specified operation

Recommended Action No action is required.

Error Message `ELTMC-SLOT#-2-ELTMC_INTF_TO_LTL: Failed to get LTL for interface [chars] return status [chars]`

Explanation ELTM Failed to get LTL for interface. Packets received on this interface might not be handled correctly by the forwarding engine

Recommended Action No action is required.

Error Message `ELTMC-SLOT#-2-ELTMC_INTF_TO_SLOT: Failed to get slot for interface [chars] return status [chars]`

Explanation ELTM Failed to get Slot for interface. Port-channels and L2 Learning might be effected

Recommended Action No action is required.

Error Message `ELTMC-SLOT#-2-ELTMC_L2_LIF_ALLOC_FAIL_INTF: Failed to allocate L2 LIF entries in forwarding engine for interfac [chars]`

Explanation ELTM Failed to allocate L2 LIF entries in forwarding engine. This will effect Layer 2 and Layer 3 forwarding for the interface

Recommended Action No action is required.

Error Message `ELTMC-SLOT#-2-ELTMC_L2_LIF_ALLOC_FAIL_VDC: Failed to allocate L2 LIF entries in forwarding engine`

Explanation ELTM Failed to allocate L2 LIF entries in forwarding engine. This will effect Layer 2 and Layer 3 forwarding in this VDC

Recommended Action No action is required.

Error Message `ELTMC-SLOT#-2-ELTMC_L2_LIF_REALLOC_FAIL_INTF: Failed to realloc L2 LIF entries in forwarding engine for interface [chars]`

Explanation ELTM Failed to allocate L2 LIF entries in forwarding engine. This will effect Layer 2 and Layer 3 forwarding for the interface. ISSU failed for certain interfaces

Recommended Action No action is required.

Error Message `ELTMC-SLOT#-2-ELTMC_L3_INGRESS_LIF_ALLOC_FAIL_INTF: Failed to allocate L3 Ingress LIF entries in forwarding engine for interfac [chars]`

Explanation ELTM Failed to allocate L3 Ingress LIF entries in forwarding engine. This will effect Layer 3 forwarding for the interface

Recommended Action No action is required.

Error Message `ELTMC-SLOT#-2-ELTMC_LDB_REALLOC_FAIL: Failed to realloc LDB in forwarding engine for interface [chars] for non-XL linecard`

Explanation ELTM Failed to allocate L2 LIF entries in forwarding engine. ISSU failed for this VDC. Shutdown the interfaces

Recommended Action No action is required.

Error Message `ELTMC-SLOT#-2-ELTMC_LTL_ISSUE_EXT_COMP: Critical LTL clean-up issue (either ETHPM/PIXM) [chars]`

Explanation LTL didnt get cleaned-up either bcos of ETHPM not sending DELETE or PIXM issuing a duplicate LTL

Recommended Action No action is required.

Error Message `ELTMC-SLOT#-2-ELTMC_NONXL_LDB_REALLOC_FAIL: Failed to realloc LDB in forwarding engine for certain interfaces for non-XL linecard`

Explanation ELTM Failed to allocate L2 LIF entries in forwarding engine. ISSU failed for this VDC. Shutdown the interfaces

Recommended Action No action is required.

Error Message `ELTMC-SLOT#-2-ELTMC_RSVD_VLAN: Failed to get the reserved vlans. Failed with error [chars]`

Explanation ELTM Failed to get the reserved vlan's. This will effect multicast forwarding on SVI interfaces

Recommended Action No action is required.

Error Message `ELTMC-SLOT#-2-ELTMC_VDC_LIF_REALLOC_FAIL: Failed to realloc LDB in forwarding engine for vdc [dec]. Reload VDC after config reduction`

Explanation ELTM Failed to allocate L2 LIF entries in forwarding engine. ISSU failed for this VDC. Remove the interfaces and then reload VDC

Recommended Action No action is required.

Error Message `ELTMC-SLOT#-2-ELTMC_VLAN_INTERNAL_ERROR: Internal error: VLAN [dec]:[chars], collect output of show tech-support eltm`

Explanation ELTM hit a internal error. Collect show tech-support eltm for futher analysis.

Recommended Action No action is required.

ELTM Messages

This section contains the ELTM messages.

ELTM-2

Error Message `ELTM-2-INTERFACE_INTERNAL_ERROR: Internal error: [chars]:[chars], collect output of show tech-support eltm`

Explanation ELTM hit a internal error. Collect show tech-support eltm for futher analysis.

Recommended Action No action is required.

Error Message `ELTM-2-INTERNAL_ERROR: Internal error: [chars], collect output of show tech-support eltm`

Explanation ELTM hit a internal error. Collect show tech-support eltm for futher analysis.

Recommended Action No action is required.

Error Message `ELTM-2-INTF_NOT_FOUND: Interface [chars] not found in ELTM database [chars]`

Explanation ELTM database doesn't have the interface.

Recommended Action No action is required.

Error Message `ELTM-2-INTF_NOT_SUPP: Interface [chars] not supported by ELTM [chars]`

Explanation ELTM doesn't support the interface for the specified operation

Recommended Action No action is required.

Error Message `ELTM-2-INTF_TO_LTL: Failed to get LTL for interface [chars] return status [chars]`

Explanation ELTM Failed to get LTL for interface. Packets received on this interface might not be handled correctly by the forwarding engine

Recommended Action No action is required.

Error Message `ELTM-2-QINQ_TRANSIT_ENABLE: ELTM Failed to set/reset qinq_transit_enable`

Explanation ELTM Failed to set/reset qinq_transit_enable

Recommended Action No action is required.

ELTM-3

Error Message `ELTM-3-OTV_FEATURE_FAIL: Feature OTV failed : [chars]`

Explanation Error in ELTM while handling feature OTV request from OIM

Recommended Action No action is required.

ELTM-4

Error Message `ELTM-4-ELTM_LIF_EXCEED_8K: Interface [chars] (LIF 0x[hex]) counter stats will not be available, no flex counters supported beyond 0x2000 BD Range`

Explanation ELTM LIF allocation for the Interface is beyond 0x2000, no flex counters supported

Recommended Action No action is required.

ELTM-5

Error Message `ELTM-5-EXT_COMP_ERR: [chars] component error [chars]`

Explanation Recently applied Multicast config on the interface was unsuccessful, so reverting to the old state (before config)

Recommended Action No action is required.

ELTM-6

Error Message `ELTM-6-ELTM_MTS_SEND_FAILED: Failed to send MTS message errno [hex] opcode [dec]`

Explanation Failed to send MTS message errno [hex] opcode [dec]

Recommended Action No action is required.

Error Message `ELTM-6-SVI_LIF_NOT_PRESENT: [chars]:[chars], collect output of show tech-support eltm/vlan/interface-vlan`

Explanation Mismatch between SVI and vlan-mgr.

Recommended Action No action is required.

EOU Messages

This section contains the EOU messages.

EOU-2

Error Message `EOU-2-PBACL_APPLICATION_FAILURE: [chars] of host [chars] to/from pbacl group [chars] failed. Error : [chars]`

Explanation Failure of host addition/deletion to/from pbacl group

Recommended Action Please verify the addition/deletion of the host using the cli "show object-group". If it was a delete request that failed, manual deletion of the host from the group is recommended

EOU-5

Error Message `EOU-5-L2NAC_DISABLED: EOU Disabled`

Explanation Service EOU Disabled

Recommended Action No action is required.

Error Message `EOU-5-L2NAC_ENABLED: EOU Enabled`

Explanation Service EOU enabled

Recommended Action No action is required.

EOU-6

Error Message `EOU-6-AAA_DOWN: Default Policy ip: [chars]:retained`

Explanation Policy retained

Recommended Action No action is required.

Error Message `EOU-6-AUTHTYPE: Authtype: ip: [chars] Authtype:[chars]`

Explanation Authentication type

Recommended Action No action is required.

Error Message `EOU-6-BAD_PKT: Bad Packet: ip: [chars] Why: [chars]`

Explanation Bad Packet because of reason specified

Recommended Action No action is required.

Error Message `EOU-6-CTA: CTA: ip: [chars] status(detected/not detected): [chars]`

Explanation CTA detected or not

Recommended Action No action is required.

Error Message `EOU-6-IDENTITY_MATCH: Identity Match: ip: [chars] Policy: [chars]`

Explanation Identity Matched or not

Recommended Action No action is required.

Error Message `EOU-6-PBACL_APPLICATION_STATUS: [chars] of host [chars] to/from pbacl group [chars] succeeded`

Explanation Status of host addition/deletion to pbacl group

Recommended Action No action is required.

Error Message `EOU-6-POLICY: Policy on ip: [chars]: [chars]: [chars]`

Explanation Policy applied

Recommended Action No action is required.

Error Message `EOU-6-POSTURE: Posture:ip: [chars] Status: [chars], Interface: [chars]`

Explanation Posture of host

Recommended Action No action is required.

Error Message `EOU-6-SESSION: Session ip: [chars] Action:[chars] , Interface: [chars]`

Explanation Session detected

Recommended Action No action is required.

Error Message `EOU-6-SOCKET: Service eou on port: [dec]`

Explanation Eou using above port

Recommended Action No action is required.

Error Message `EOU-6-SQ_EAP_MSG: Status Query: ip: [chars] status: [chars]`

Explanation Status query state

Recommended Action No action is required.

Error Message `EOU-6-UNKN_EVENT_ERR: Unknow Event Err: ip: [chars] Message: [chars]`

Explanation Error due to unknown event

Recommended Action No action is required.

Error Message `EOU-6-VERSION_MISMATCH: Eou version mismatch ip: [chars] and version [dec]`

Explanation Eou version mismatch

Recommended Action No action is required.

EOU-7

Error Message `EOU-7-EOU_DISABLED_INTF: eou disabled on interface [chars]`

Explanation Eou service disabled on interface

Recommended Action No action is required.

Error Message `EOU-7-EOU_ENABLED_INTF: eou enabled on interface [chars]`

Explanation Eou service enabled on interface

Recommended Action No action is required.

EPBR Messages

This section contains the EPBR messages.

EPBR-2

Error Message `EPBR-2-EPBR_LICENSE_EXPIRED_DISABLE: EPBR License: license grace-period expired. Please install VPN_FABRIC.`

Explanation License or grace-period has expired.

Recommended Action Take steps to renew license. Feature will be disabled.

Error Message `EPBR-2-EPBR_LICENSE_EXPIRED_HONOR: License expired for EPBR. Feature will run in honor mode. Please install VPN_FABRIC.`

Explanation License or grace-period has expired.

Recommended Action Take steps to renew license. License will work in honor mode.

Error Message `EPBR-2-EPBR_LICENSE_MISSING_COPY_RS: EPBR license missing: VPN_FABRIC. Removing EPBR config.`

Explanation EPBR license missing after NXOS version upgrade. Previous version ran EPBR without a license.

Recommended Action Acquire license or grace-period permission.

Error Message `EPBR-2-EPBR_LICENSE_MISSING_DISABLE: Feature EPBR license missing: VPN_FABRIC`

Explanation License does not exist when attempting to enable EPBR feature.

Recommended Action Acquire license or grace-period permission.

Error Message `EPBR-2-EPBR_LICENSE_MISSING_HONOR: Feature EPBR license missing: VPN_FABRIC. Feature will work in honor mode.`

Explanation License does not exist when attempting to enable EPBR feature. Feature will work in honor mode.

Recommended Action Acquire license or grace-period permission. Feature will work in honor mode.

Error Message `EPBR-2-EPBR_LICENSE_MISSING_ISSU_DISABLE: EPBR license missing: VPN_FABRIC. Removing RISE config.`

Explanation EPBR license missing after ISSU. Previous version ran EPBR without a license.

Recommended Action Acquire license or grace-period permission.

Error Message `EPBR-2-EPBR_LICENSE_MISSING_ISSU_HONOR: License missing for EPBR: License will work in honor mode. Please install VPN_FABRIC.License.`

Explanation License missing after ISSU. Previous version ran EPBR without a license. License will work in honor mode.

Recommended Action Acquire license or grace-period permission. License will work in honor mode.

EPBR-3

Error Message `EPBR-3-EPBR_ENABLE_DISABLE_ERR: EPBR [chars] failure 0x[hex], Free TCAM space and disable policy [chars]([chars],[chars],[chars]).`

Explanation EPBR enable/disable failure.

Recommended Action Please free TCAM space and disable policy.

Error Message `EPBR-3-EPBR_HW_RESOURCE: One or more EPBR policies have failed in hardware programming due to hardware resources being insufficient or unavailable. Please disable the EPBR policies, modify the configuration and hardware resources as needed and re-enable the policies.`

Explanation EPBR policy has encountered failure in hardware programming due to insufficient or unavailable hardware resources. See EPBR errors to identify failures and affected policies or access-lists.

Recommended Action Please disable the affected policies on all interfaces, modify the configuration and hardware resource provisioning to ensure sufficient resources are available and re-enable the

policies on the required interfaces.

Error Message `EPBR-3-EPBR_NOT_ENOUGH_TRACKS: Not enough tracks for policy [chars]`

Explanation Maximum Track limit (512) has been hit, not enough tracks available for policy. Node states being used by the policy cannot be successfully tracked and fail-action may not take effect as desired.

Recommended Action Ensure there are sufficient tracks available in the system. After that, please remove and re-apply the affected policy.

Error Message `EPBR-3-SAS_HW_RESOURCE: One or more redirect policies for service-acceleration system have failed in hardware programming due to hardware resources being insufficient or unavailable.`

Explanation Redirect policy for service-acceleration has encountered failures in hardware programming due to insufficient or unavailable hardware resources. See EPBR errors to identify failures and affected policies.

Recommended Action Please remove the VRF from service firewall or move the firewall to no in-service, modify the configuration to free up hardware resources as needed, ensure sufficient resources are available and re-enable the required service-acceleration configuration.

EPBR-4

Error Message `EPBR-4-EPBR_ACE_BUCKET_CHANGE: EPBR policy [chars] with match access-list [chars] has ACE sequence [dec] incompatible with the buckets required. Bucket count may be modified internally to [dec] for this ACE.`

Explanation EPBR policy with match access-list has one or more aces with subnet configuration that is incompatible with required or configured bucket count. See EPBR errors for more details.

Recommended Action Please disable the policy on all interfaces, modify the ACE subnet to ensure required bucket granularity is maintained and re-enable the policy.

Error Message `EPBR-4-EPBR_ACE_PREFIX_MISSING: Access-list [chars] used with one or more EPBR policies has ACE sequence [dec] with [chars] subnet or prefix information missing and will be handled internally as 'any'.`

Explanation EPBR policies with match access-list has one or more aces with IP subnet or prefix information missing for source or destination and will be handled internally to match 'any'.

Recommended Action Please correctly specify source and destination address or prefix or specify as 'any'.

Error Message `EPBR-4-EPBR_LICENSE_EXPIRING_DISABLE: EPBR License: VPN_FABRIC license expires`

in [dec] days [dec] hours [chars]econds.

Explanation License or grace-period expiration warning.

Recommended Action Take steps to renew license. Prepare for feature disable.

Error Message `EPBR-4-EPBR_LICENSE_EXPIRING_HONOR: EPBR License: VPN_FABRIC license expires in [dec] days [dec] hours [chars]econds.`

Explanation License or grace-period expiration warning.

Recommended Action Take steps to renew license. License will work in honor mode.

Error Message `EPBR-4-EPBR_PBR_DISABLED: Feature PBR not enabled. Layer3 EPBR will not be functional`

Explanation Layer3 EPBR will not function correctly without pbr feature.

Recommended Action Manually enable pbr feature.

Error Message `EPBR-4-EPBR_SLA_DISABLED: Feature SLA Sender not enabled. EPBR might not be functional`

Explanation EPBR may not function correctly without sla sender feature.

Recommended Action Manually enable sla sender feature.

EPBR-5

Error Message `EPBR-5-EPBR_AUTO_GENERATE: EPBR auto generates route-map, track and IPSLA configuration. Do not modify or remove the auto generated configuration.`

Explanation Auto generated configuration are part of show running, not hidden. User should not modify or delete

Recommended Action Please dissociate EPBR policies from interfaces to remove the auto generated configuration.

Error Message `EPBR-5-EPBR_ST_EP_STATE_CHANGE: EPBR [chars] service-endpoint [chars] in service [chars] with track [dec] has [chars].`

Explanation EPBR endpoint in specified service has changed operational states.

Recommended Action No action is required.

Error Message `EPBR-5-EPBR_SVC_CHAIN_GRP_STATE_DOWN_REASON: EPBR service [chars] in service-chain [chars] using group [dec] is DOWN with reason:[chars]`

Explanation EPBR group under specified service changed operational states to DOWN.

Recommended Action No action is required.

Error Message `EPBR-5-EPBR_SVC_CHAIN_GRP_STATE_UPDATE: EPBR service [chars] in service-chain [chars] using group [dec] is now [chars].`

Explanation EPBR group under specified service changed operational states.

Recommended Action No action is required.

Error Message `EPBR-5-SAS_FW_VLAN_OPER_STATUS: VLAN [dec] for service-acceleration system: [chars] service: firewall has moved to state: [chars].`

Explanation Vlan defined in specified SAS service changed operational states.

Recommended Action No action is required.

Error Message `EPBR-5-SAS_FW_VRF_OPER_STATUS: VRF [chars] for service-acceleration system: [chars] service: firewall has moved to state: [chars].`

Explanation Vrf under specified SAS service changed operational states.

Recommended Action No action is required.

EPLD_UPGRADE Messages

This section contains the EPLD_UPGRADE messages.

EPLD_UPGRADE-2

Error Message `EPLD_UPGRADE-2-ACTIVE_SINGLE_SUP_UPGRADE: install all epld does not upgrade Active Supervisor module [dec].`

Explanation Install all epld does not upgrade Active Supervisor in a switch with a single supervisor.

Recommended Action No action is required.

Error Message `EPLD_UPGRADE-2-ACTIVE_SUP_UPGRADE: install all epld does not upgrade Active Supervisor module [dec]. Please do a switchover and upgrade the EPLDs on module [dec].`

Explanation Install all epld did not upgrade Active Supervisor.

Recommended Action No action is required.

Error Message `EPLD_UPGRADE-2-EPLD_PWR_CYCLE: Power cycle was postponed following EPLD upgrade so performing it now`

Explanation EPLD upgrade was performed with the no-reload option. Power cycle is required on the next reload to complete update.

Recommended Action No action is required.

EPP Messages

This section contains the EPP messages.

EPP-5

Error Message `EPP-5-EPP_FAILURE: Interface [chars] EPP Failure`

Explanation Trunk protocol failed

Recommended Action 'show epp internal event-history err' will indicate the errors encountered

Error Message `EPP-5-EPP_LOOPBACK: Interface [chars] is looped back to the same switch`

Explanation The interface is looped back to another interface on the same switch

Recommended Action Check the connectivity of this interface and ensure that it is connected to another switch

Error Message `EPP-5-EPP_TRUNK_PROTOCOL_STATUS: epp trunk protocol is [chars] on switch`

Explanation Epp trunk protocol enabled/disabled on the switch

Recommended Action No action is required.

ETH-PORT-SEC Messages

This section contains the ETH-PORT-SEC messages.

ETH-PORT-SEC-2

Error Message `ETH-PORT-SEC-2-ETH_PORT_SEC_ADDR_SEEN: MAC address already secured on peer-switch. Please re-configure after VPC comes up, if this interface is supposed to be a VPC PO`

Explanation Mac already secured on peer

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-2-ETH_PORT_SEC_MAC_MOVE_VIOLATION: Triggered mac-move violation [chars] on Port [chars] for mac-address [chars]`

Explanation Violation action triggered on port due to mac-move.

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-2-ETH_PORT_SEC_MISCONFIG: MAC Addresses present exceed the allowed number of MAC addresses on Port [chars]. Fix the inconsistency on this port.`

Explanation MAC Addresses present exceed the allowed number of MAC addresses.

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-2-ETH_PORT_SEC_REGMAC_ADD_FAIL: Unable to add regmac [chars] for <[chars], vlan [dec]> since it is already registered for <[chars], vlan [dec]>`

Explanation Duplicate regmac detected

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-2-ETH_PORT_SEC_SECURITY_MAX_ADDR_COUNT_VIOLATION: Triggered max address count violation [chars] on port [chars]`

Explanation Violation action triggered on port due to exceeding max address count.

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-2-ETH_PORT_SEC_SECURITY_VIOLATION: Triggered violation [chars] on Port [chars]`

Explanation Violation action triggered on port due to security violation.

Recommended Action No action is required.

ETH-PORT-SEC-3

Error Message `ETH-PORT-SEC-3-ETH_PORT_SEC_CONFIG_MAC_FAILED: Failed to configure MACs`

Explanation Failed to configure MACs

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-3-ETH_PORT_SEC_INVALID_VLAN: Invalid VLAN configuration`

Explanation Invalid VLAN configuration

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-3-ETH_PORT_SEC_PKTSENDFAIL: Failed to send packet, - [chars]`

Explanation Failed to send packet. [char] identifies the reason.

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-3-ETH_PORT_SEC_SECURITY_VIOLATION_ANOTHER_PORT: Host [chars] bound to Port [chars] in Vlan [dec] is trying to access Port [chars] in Vlan [dec]`

Explanation Moved the port to violation state due to a mac address seen on one port being seen on another

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-3-ETH_PORT_SEC_SECURITY_VIOLATION_MAX_MAC_VLAN: Port [chars] moved to [chars] state as host [chars] is trying to access the port in vlan [dec]`

Explanation Moved the port to violation state due to exceeding address count

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-3-ETH_PORT_SEC_UNABLE_TO_DISABLE: Unable to disable eth_port_sec [chars].`

Explanation Unable to disable eth_port_sec Service

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-3-ETH_PORT_SEC_UNABLE_TO_ENABLE: Unable to enable eth_port_sec [chars].`

Explanation Unable to enable eth_port_sec Service

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-3-ETH_PORT_SEC_VIOL_UPDATE_FAILED: Failed to update violation mode`

Explanation Failed to update violation mode

Recommended Action No action is required.

ETH-PORT-SEC-5

Error Message `ETH-PORT-SEC-5-ETH_PORT_SEC_AGE_TIME_EXPIRY: Age Time expired for host [chars] in VLAN [dec] in port [chars]`

Explanation Age time expired for host

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-5-ETH_PORT_SEC_DISABLED: eth_port_sec Disabled on if_index:[hex]`

Explanation Eth_port_sec Service Disabled

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-5-ETH_PORT_SEC_DYNAMIC_MAC_ADDRESS_CLEARED: Dynamic MAC addresses for port [chars] cleared`

Explanation Dynamic MAC address for port cleared

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-5-ETH_PORT_SEC_ENABLED: eth_port_sec Enabled on if_index:[hex]`

Explanation Eth_port_sec Service Enabled

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-5-ETH_PORT_SEC_HOST_ADDITION: A new Host [chars] learnt on Port [chars] in Vlan [dec]`

Explanation A new host is learnt on a port

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-5-ETH_PORT_SEC_HOST_DELETION: Host [chars] bound to secure port [chars] in Vlan [dec] has been removed`

Explanation A host has been removed

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-5-ETH_PORT_SEC_INITFAIL: Eth Port Security Initialization failed: [chars]`

Explanation Eth Port Security Initialization failed.[chars] explains the reason for the failure.

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-5-ETH_PORT_SEC_MAX_LIMIT_EXCEED: Max Addr per port config cannot be accepted as it will violate the System Max limit. [chars]`

Explanation System wide Max Limit Exceeds

Recommended Action No action is required.

Error Message `ETH-PORT-SEC-5-ETH_PORT_SEC_PORT_SEC_ENABLED_PARTIALLY: Port security enabled partially in configuration on this vpc port, port security is not enabled operationally since peer VPC port doesnt have port security enabled.`

Explanation Port security enabled partially in configuration

Recommended Action No action is required.

ETHPORT Messages

This section contains the ETHPORT messages.

ETHPORT-2

Error Message `ETHPORT-2-IF_CRITICAL_FAILURE: (Debug syslog)Critical failure: [chars], [chars]`

Explanation There was a critical failure in the component.

Recommended Action Please follow instructions on the syslog.

Error Message `ETHPORT-2-IF_DOWN_ERROR_DISABLED: Interface [chars] is down (Error disabled. Reason:[chars])`

Explanation The interface encountered an error while configuring it

Recommended Action Collect more information about failed interface using command 'show port internal all interface [char]'. In most cases, you can recover using a 'shutdown' followed a 'no shutdown' on the interface or removing and re-inserting the fibre optic cable.

Error Message `ETHPORT-2-IF_DOWN_INCOMPATIBLE_TRANSCEIVER: Interface [chars] is down (Reason: [chars])`

Explanation Inserted transceiver is not compatible with transceivers of other ports in the same QUAD

Recommended Action Replace transceiver that matches 'quad_speed' printed in 'show system internal ethpm info interface ethernet '

Error Message `ETHPORT-2-IF_ERROR_SHUT_LAN_NO_DCX: Shutting lan on interface [chars] that doesn't connect to a DCBX capable adaptor.`

Explanation Shutting lan on interface that doesn't connect to a DCBX capable adaptor.

Recommended Action No action is required.

Error Message `ETHPORT-2-IF_SEQ_ERROR: Error ("[chars]") communicating with [chars] for opcode [chars] ([chars]) Follow PM FAQ #6 at: http://wikicentral.cisco.com/confluence/display/KGP/Port+Manager+FAQ`

Explanation Some component returned system error as a response to one of the port event sequence.

Recommended Action None

Error Message `ETHPORT-2-SEQ_TIMEOUT: Component [chars] timed out on response to opcode [chars] ([chars])`

Explanation Some component did not respond to a request in stipulated time.

Recommended Action None

Error Message `ETHPORT-2-SYSLOG_ETHPM_CRITICAL: Critical failure: [chars]`

Explanation There was a critical failure in the component.

Recommended Action Please collect system tech-support

ETHPORT-3

Error Message `ETHPORT-3-IF_DOWN_CHANNEL_ERR_DISABLED: Interface [chars] is down (Channel error disabled)`

Explanation This interface belongs to a PortChannel and the PortChannel is error disabled

Recommended Action Perform 'shut' and 'no shutdown' on the PortChannel interface that it belongs to

Error Message `ETHPORT-3-IF_ERROR_VLANS_REMOVED: VLANs [chars] on Interface [chars] are removed from suspended state.`

Explanation The VLANs on an interface are being removed from the suspended state

Recommended Action No action is required.

Error Message `ETHPORT-3-IF_ERROR_VLANS_SUSPENDED: VLANs [chars] on Interface [chars] are being suspended. (Reason: [chars])`

Explanation The VLANs on an interface are being suspended due to some protocol action

Recommended Action No action is required.

Error Message `ETHPORT-3-IF_SDP_TIMEOUT_SFP_MISMATCH: SDP timeout, possible incorrect SFP inserted on fabric uplink port on interface [chars].`

Explanation SDP timeout/SFP Mismatch.

Recommended Action No action is required.

Error Message `ETHPORT-3-IF_SFP_ALARM: Interface [chars], [chars]`

Explanation There was an alarm on the transceiver module

Recommended Action Please do show interface transceiver details to obtain more information

Error Message `ETHPORT-3-IF_SFP_ERROR: Interface [chars], [chars]`

Explanation There was an error on the transceiver module

Recommended Action Please do show interface transceiver details to obtain more information

Error Message `ETHPORT-3-IF_UNSUPPORTED_TRANSCEIVER: Transceiver on interface [chars] is not supported`

Explanation The transceiver for the interface specified in the error message is not a Cisco supported

module

Recommended Action Replace the module with a compatible transceiver. If the transceiver was purchased from Cisco, please contact Cisco TAC to get the transceiver replaced

Error Message `ETHPORT-3-IF_XCVR_ALARM: Interface [chars], [chars]`

Explanation There was an alarm on the transceiver module

Recommended Action Please do show interface transceiver details to obtain more information

Error Message `ETHPORT-3-IF_XCVR_ERROR: Interface [chars], [chars]`

Explanation There was an error on the transceiver module

Recommended Action Please do show interface transceiver details to obtain more information

ETHPORT-4

Error Message `ETHPORT-4-IF_40G_NOT_ADMIN_DOWN: 40G member port [chars] is not in ADMIN DOWN state. Speed change is not allowed`

Explanation Speed change is not allowed. Admin state is not down on 40G member ports

Recommended Action Please shut all member ports before speed change

Error Message `ETHPORT-4-IF_AUTONEG_UNSUPPORTED_TRANSCEIVER: Transceiver for interface [chars] does not support auto-negotiation`

Explanation Transceiver for interface does not support auto-negotiation

Recommended Action This command will determine the transceiver being used: show interface transceiver. Please contact customer support for a list of autonego enabled transceivers

Error Message `ETHPORT-4-IF_MAC_LEARN_DISABLE: Mac learning is [chars] on interface [chars]`

Explanation Interface mac learning enabled/disabled

Recommended Action No action is required.

Error Message `ETHPORT-4-IF_NON_QUALIFIED_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected`

Explanation The transceiver for the interface specified has not been qualified on this platform for

this software release

Recommended Action Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

Error Message `ETHPORT-4-IF_SFP_WARNING: Interface [chars], [chars]`

Explanation There was an warning on the transceiver module

Recommended Action Please do show interface transceiver details to obtain more information

Error Message `ETHPORT-4-IF_SPEED_AUTO_ADVERTISE_SINGLE_SPEED: Interface [chars] configured as speed auto but advertising only speed [chars] due to macsec`

Explanation The interface is configured for multiple speeds, but advertises only single speed due to macsec configuration.

Recommended Action No action is required.

Error Message `ETHPORT-4-IF_XCVR_WARNING: Interface [chars], [chars]`

Explanation There was an warning on the transceiver module

Recommended Action Please do show interface transceiver details to obtain more information

Error Message `ETHPORT-4-INVALID_MACADDR: Interface [chars] rejected IPv6-embedded mac [chars] config`

Explanation The IPv6 derived mac-address is an invalid one.

Recommended Action No action is required.

ETHPORT-5

Error Message `ETHPORT-5-IF_ADMIN_UP: Interface [chars] is admin up [chars]`

Explanation Interface is admin up

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_BANDWIDTH_CHANGE: Interface [chars],bandwidth changed to [chars] Kbit`

Explanation Bandwidth of the interface (port channel) has changed and this change is updated

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_DOWN_ADMIN_DOWN: Interface [chars] is down (Administratively down)`

Explanation Interface has been configured to be administratively down

Recommended Action Perform 'no shutdown'

Error Message `ETHPORT-5-IF_DOWN_AGGR_PORT_FLAPS: Interface [chars] is error disabled due to aggressive flaps`

Explanation Interface has been error disabled due to aggressive flapping

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_DOWN_CFG_CHANGE: Interface [chars] is down(Config change)`

Explanation FCIP interface temporarily down due to reconfiguration

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_DOWN_CHANNEL_ADMIN_DOWN: Interface [chars] is down (Channel admin down)`

Explanation This interface belongs to a PortChannel and the PortChannel is configured to be administratively down

Recommended Action Perform 'no shutdown' on the PortChannel interface that it belongs to

Error Message `ETHPORT-5-IF_DOWN_CHANNEL_MEMBERSHIP_UPDATE_IN_PROGRESS: Interface [chars] is down (Channel membership update in progress)`

Explanation The interface belongs to a PortChannel and a configuration is being attempted on the interface while there is a configuration in progress on the PortChannel

Recommended Action Retry the configuration again

Error Message `ETHPORT-5-IF_DOWN_DOMAIN_ADDR_ASSIGN_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure)`

Explanation Isolated due to a failure while assigning a domain

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_DOWN_DOMAIN_INVALID_RCF_RECEIVED: Interface [chars] is down`

(Isolation due to invalid fabric reconfiguration)

Explanation Invalid RCF received

Recommended Action No action is required.

Error Message ETHPORT-5-IF_DOWN_DOMAIN_MANAGER_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled)

Explanation Isolated due to domain manager being disabled

Recommended Action No action is required.

Error Message ETHPORT-5-IF_DOWN_DOMAIN_MAX_RETRANSMISSION_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding)

Explanation Remote end domain manager not responding

Recommended Action No action is required.

Error Message ETHPORT-5-IF_DOWN_DOMAIN_OTHER_SIDE_EPORT_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated)

Explanation Isolating this interface due to the remote end being isolated

Recommended Action No action is required.

Error Message ETHPORT-5-IF_DOWN_DOMAIN_OVERLAP_ISOLATION: Interface [chars] is down (Isolation due to domain overlap)

Explanation Isolated due to domain overlap

Recommended Action No action is required.

Error Message ETHPORT-5-IF_DOWN_ELP_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to ELP failure)

Explanation ELP failed on the interface

Recommended Action Check the output of 'show port internal info' in the 'ELP failure reason' field

Error Message ETHPORT-5-IF_DOWN_EPP_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure)

Explanation Trunk protocol failed

Recommended Action 'show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed

Error Message `ETHPORT-5-IF_DOWN_ESC_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to ESC failure)`

Explanation ESC failed on the interface

Recommended Action Check the output of 'show port internal event-history' to determine the ESC protocol exchanges to determine how it failed

Error Message `ETHPORT-5-IF_DOWN_ETH_IF_DOWN: Interface [chars] is down(Tunnel port src interface down)`

Explanation Ethernet link to which the FCIP interface is bound is down

Recommended Action Ensure that the ethernet cable is connected, the interface is administratively enabled

Error Message `ETHPORT-5-IF_DOWN_ETH_LINK_DOWN: Interface [chars] is down(Tunnel port src interface link down)`

Explanation Ethernet link to which the FCIP interface is bound is down

Recommended Action Ensure that the ethernet cable is connected and the remote end is also active

Error Message `ETHPORT-5-IF_DOWN_FCOT_NOT_PRESENT: Interface [chars] is down (FCOT not present)`

Explanation The FCOT has been removed

Recommended Action Insert an FCOT

Error Message `ETHPORT-5-IF_DOWN_FCOT_VENDOR_NOT_SUPPORTED: Interface [chars] is down (Error disabled - Fcot vendor not supported)`

Explanation Fcot inserted is not a supported one

Recommended Action Please contact customer support for a list of authorized transceiver vendors

Error Message `ETHPORT-5-IF_DOWN_HW_FAILURE: Interface [chars] is down (Hardware Failure)`

Explanation The module's hardware has failed

Recommended Action Collect more information about failed module using command 'show module internal all module'

Error Message `ETHPORT-5-IF_DOWN_INACTIVE: Interface [chars] is down (Inactive)`

Explanation The port VSAN has been suspended or deleted

Recommended Action Assign a new active port VSAN to the interface

Error Message `ETHPORT-5-IF_DOWN_INCOMPATIBLE_ADMIN_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode)`

Explanation The configured mode is not supported on this interface

Recommended Action Perform a 'show port internal info' to determine the list of modes supported on this interface

Error Message `ETHPORT-5-IF_DOWN_INCOMPATIBLE_ADMIN_RXBBCREDIT: Interface [chars] is down (Error disabled - Incompatible admin port rxbbcredit)`

Explanation The configured receive B2B credit size is not supported

Recommended Action Get the allowed receive B2B credit size from 'show port internal info'

Error Message `ETHPORT-5-IF_DOWN_INCOMPATIBLE_ADMIN_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize)`

Explanation The configured receive buffer size is not supported

Recommended Action Get the allowed receive buffer size from 'show port internal info'

Error Message `ETHPORT-5-IF_DOWN_INCOMPATIBLE_ADMIN_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed)`

Explanation The configured speed is not supported on this interface

Recommended Action Perform a 'show port internal info' to determine the range of speed supported on this interface

Error Message `ETHPORT-5-IF_DOWN_INITIALIZING: Interface [chars] is down (Initializing)`

Explanation The interface is in the process of coming up

Recommended Action If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for

Error Message `ETHPORT-5-IF_DOWN_INTERFACE_REMOVED: Interface [chars] is down (Interface removed)`

Explanation Interface removed

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_DOWN_LINK_FAILURE: Interface [chars] is down (Link failure)`

Explanation The physical link has gone down

Recommended Action Ensure that the cable is connected and the remote end is not shut down

Error Message `ETHPORT-5-IF_DOWN_LOOPBACK_DIAG_FAILURE: Interface [chars] is down (Diag failure)`

Explanation Diag failed on the interface

Recommended Action Collect more information about failed interface using command 'attach module' to connect to module

Error Message `ETHPORT-5-IF_DOWN_LOOPBACK_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch)`

Explanation The interface is looped back to another interface on the same switch

Recommended Action Check the connectivity of this interface and ensure that it is connected to another switch

Error Message `ETHPORT-5-IF_DOWN_MEDIA_TYPE: Interface [chars] is error disabled due to special xcvr in nearby port`

Explanation Interface has been error disabled due to special xcvr in nearby port

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_DOWN_MODULE_REMOVED: Interface [chars] is down (module removed)`

Explanation Interface is down because the module was removed

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_DOWN_NONE: Interface [chars] is down ([chars])`

Explanation Interface is down with a possible reason.

Recommended Action Collect more information about port using command 'show port internal info/event-history' to determine why it went down

Error Message `ETHPORT-5-IF_DOWN_NON_PARTICIPATING: Interface [chars] is down (Non participating)`

Explanation The loop port has been put into non participating mode

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_DOWN_OFFLINE: Interface [chars] is down (Offline)`

Explanation The interface has been placed into the offline state

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_DOWN_PARENT_ADMIN_DOWN: Interface [chars] is down (Parent interface down)`

Explanation Parent interface is down

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_DOWN_PARENT_DOWN: Interface [chars] is down (Parent interface is down)`

Explanation The physical link on the parent interface has gone down

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_DOWN_PEER_CLOSE: Interface [chars] is down(TCP conn. closed by peer)`

Explanation The FCIP peer connected to this interface closed the TCP connection

Recommended Action This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection

Error Message `ETHPORT-5-IF_DOWN_PEER_RESET: Interface [chars] is down(TCP conn. reset by peer)`

Explanation TCP connection to the FCIP peer got reset

Recommended Action The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection

Error Message `ETHPORT-5-IF_DOWN_PORT_CHANNEL_MEMBERS_DOWN: Interface [chars] is down (No operational members)`

Explanation This is a PortChannel interface and all its members are operationally down

Recommended Action Enable at least one of the PortChannel's members

Error Message `ETHPORT-5-IF_DOWN_PORT_VSAN_MISMATCH_ISOLATION: Interface [chars] is down (Isolation due to port vsan mismatch)`

Explanation Isolated due to a mismatch in the configured port VSAN of the local and remote ends

Recommended Action Configure the port VSAN of the local and remote interfaces to be the same and perform a 'shutdown' and a 'no shutdown'

Error Message `ETHPORT-5-IF_DOWN_RCF_IN_PROGRESS: Interface [chars] is down (RCF in progress)`

Explanation There is an RCF in progress

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_DOWN_SOFTWARE_FAILURE: Interface [chars] is down (Port software failure)`

Explanation The software servicing the data path on the port has failed

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_DOWN_SRC_MOD_NOT_ONLINE: Interface [chars] is down(Tunnel source module not online)`

Explanation Module that has the tunnel source port of this FCIP interface is not fully online

Recommended Action The module that has the tunnel src port is coming online. Please use show mod to find module status

Error Message `ETHPORT-5-IF_DOWN_SRC_PORT_NOT_BOUND: Interface [chars] is down (Tunnel port src interface unbound)`

Explanation Tunnel port source interface unbound

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_DOWN_SRC_PORT_REMOVED: Interface [chars] is down(Tunnel src port removed)`

Explanation Tunnel source port of this FCIP interface has been removed

Recommended Action The src interface with ip address that matches the ip address of the bound

entity is removed. This happens normally due to the module on which the src interface exists is removed

Error Message `ETHPORT-5-IF_DOWN_SUSPENDED_BY_MODE: Interface [chars] is down (Suspended due to incompatible mode)`

Explanation This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel

Recommended Action Change the mode and the trunking mode of the PortChannel from 'auto' and check to ensure that the remote end of the interface also belongs to the same PortChannel

Error Message `ETHPORT-5-IF_DOWN_SUSPENDED_BY_SPEED: Interface [chars] is down (Suspended due to incompatible speed)`

Explanation This interface belongs to a PortChannel and operational speedode of the interface is different from that of the PortChannel

Recommended Action Change the speed of the PortChannel from 'auto' and check to ensure that the remote end of the interface also belongs to the same PortChannel

Error Message `ETHPORT-5-IF_DOWN_SUSPENDED_BY_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN)`

Explanation This interface belongs to a PortChannel and remote switch WWN of the interface is different from that of the PortChannel

Recommended Action Ensure that this interface is connected to the same remote switch as all the other interfaces in the PortChannel

Error Message `ETHPORT-5-IF_DOWN_SUSPENDED: Interface [chars] is down (Suspended)`

Explanation This interface belongs to a PortChannel and has been suspended due to an error while bringing it up

Recommended Action Perform a 'shutdown' and a 'no shutdown'. If this happens again obtain output of 'show port internal info/event-history' on the interface

Error Message `ETHPORT-5-IF_DOWN_TCP_KEEP_ALIVE_EXPIRED: Interface [chars] is down(TCP conn. closed - Keep alive expired)`

Explanation TCP session to the FCIP peer got closed due to loss of TCP keep alive

Recommended Action This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command:traceroute ipaddr

Error Message `ETHPORT-5-IF_DOWN_TCP_MAX_RETRANSMIT: Interface [chars] is down(TCP conn. closed - retransmit failure)`

Explanation Interface is down due to maximum retransmission failure

Recommended Action This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command:traceroute ipaddr

Error Message `ETHPORT-5-IF_DOWN_TCP_PERSIST_TIMER_EXPIRED: Interface [chars] is down(TCP conn. closed - Persist timer expired)`

Explanation TCP session to the FCIP peer closed because TCP persist timer expired

Recommended Action This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command:traceroute ipaddr

Error Message `ETHPORT-5-IF_DOWN_UPGRADE_IN_PROGRESS: Interface [chars] is down (Linecard upgrade in progress)`

Explanation Upgrade of the linecard software is in progress

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_DOWN_VRF_UNUSABLE: Interface [chars] is down (Vrf down)`

Explanation The vrf for which this interface is a member is removed

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_DOWN_VSAN_MISMATCH_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch)`

Explanation This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end

Recommended Action Check the VSANs configured on the local end with the remote end

Error Message `ETHPORT-5-IF_DOWN_ZONE_MERGE_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure)`

Explanation Isolated due to a failure during zone merge

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_DOWN_ZONE_REMOTE_NO_RESP_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding)`

Explanation Isolated due to remote zone server not responding

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_DUPLEX: Interface [chars], operational duplex mode changed to [chars]`

Explanation Operational duplex mode has changed when link came up

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_ERRDIS_RECOVERY: Interface [chars] is being recovered from error disabled state (Last Reason:[chars])`

Explanation Interface is being recovered from error disabled state

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_HARDWARE: Interface [chars], hardware type changed to [chars]`

Explanation There was a change in the hardware characteristic of an interface, such as a transceiver module plugged in or removed

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_L2MP_MODE: Interface [chars], l2mp-mode changed to [chars]`

Explanation The l2mp-mode on the port has changed

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_LINK_STATE_TRACK_CHANGE: Interface [chars] moved to [chars] state`

Explanation Interface link state update due to link state tracking

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_PEER_LINK_DELAY_TIMER_OFF: The delay timer for peer-link [chars] has been turned off`

Explanation The bringup delay timer for the peer-link has been turned off as a result of which the peer-link bringup will be resumed

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_PEER_LINK_DELAY_TIMER_ON: The delay timer for peer-link [chars] has been turned on`

Explanation The bringup delay timer for the peer-link is on as a result of which the peer-link bringup will be delayed with the delay indicated by the configured value of the timer. Execute \show vpc\ to find out how much time is remaining

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_RX_FLOW_CONTROL: Interface [chars], operational Receive Flow Control state changed to [chars]`

Explanation Operational receive flow control has changed when link came up

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_TRUNK_DOWN: Interface [chars], vlan [chars] down`

Explanation Interface [chars] is trunking, VLANs [chars] are down

Recommended Action The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface vsan

Error Message `ETHPORT-5-IF_TRUNK_UP: Interface [chars], vlan [chars] up`

Explanation Interface [chars] is trunking, VLANs [chars] are up

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_TX_FLOW_CONTROL: Interface [chars], operational Transmit Flow Control state changed to [chars]`

Explanation Operational transmit flow control has changed when link came up

Recommended Action No action is required.

Error Message `ETHPORT-5-IF_UP: Interface [chars] is up [chars]`

Explanation Interface is up in mode specified, if applicable

Recommended Action No action is required.

Error Message `ETHPORT-5-SPEED: Interface [chars], operational speed changed to [chars]`

Explanation Operational speed has changed when link came up

Recommended Action No action is required.

Error Message `ETHPORT-5-STORM_CONTROL_ABOVE_THRESHOLD: Traffic in port [chars] exceeds the configured threshold [chars]`

Explanation Traffic on specified port is beyond the configured storm-control threshold, and the excess traffic is being dropped

Recommended Action Identify source of traffic storm

Error Message `ETHPORT-5-STORM_CONTROL_BELOW_THRESHOLD: Traffic in port [chars] has fallen below the configured threshold [chars]`

Explanation Traffic on specified port has returned to within configured storm-control threshold

Recommended Action No action is required.

Error Message `ETHPORT-5-STORM_CONTROL_MULTI_ABOVE_THRESHOLD: Traffic in port [chars] exceeds the configured [chars]`

Explanation Traffic on specified port is beyond the configured storm-control threshold for a specific level, and the excess traffic is being dropped

Recommended Action Identify source of traffic storm

Error Message `ETHPORT-5-STORM_CONTROL_MULTI_BELOW_THRESHOLD: Traffic in port [chars] has fallen below the configured [chars]`

Explanation Traffic on specified port has returned to within configured storm-control threshold

Recommended Action No action is required.

Error Message `ETHPORT-5-SYSTEM_INTERFACE_SHUTDOWN: The physical interfaces are being brought down as VDC going into maintenance mode`

Explanation The physical interfaces are being brought down as VDC going into maintenance mode

Recommended Action No action is required.

ETH_PORT_CHANNEL Messages

This section contains the ETH_PORT_CHANNEL messages.

ETH_PORT_CHANNEL-1

Error Message `ETH_PORT_CHANNEL-1-LC_CFG_FAILURE: configuring module [dec] failed [[chars]]`

Explanation Module configuration failed

Recommended Action Module will be automatically reset

Error Message `ETH_PORT_CHANNEL-1-MALLOC_FAILED: cannot allocate memory (size [dec])`

Explanation No enough memory

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-1-MAP_PARAM_FAILURE: mapping parameter failed for [chars] [[chars]]`

Explanation Parameter mapping failed

Recommended Action Specified service is misbehaving; check its status

Error Message `ETH_PORT_CHANNEL-1-MCAST_SEND_FAILURE: failed to send multicast [chars]: [chars]`

Explanation Failed to send a multicast message to all modules, usually because some module went down

Recommended Action Run show port-channel consistency to check consistency

ETH_PORT_CHANNEL-2

Error Message `ETH_PORT_CHANNEL-2-RESET_MODULE: reset module [dec] for not responding or returning error`

Explanation A module is reset for not responding or returning error

Recommended Action No action is required.

ETH_PORT_CHANNEL-3

Error Message `ETH_PORT_CHANNEL-3-ADD_REM_MEMBERS_FAILURE: [chars]`

Explanation Some service(s) failed to add or remove ports to port-channel

Recommended Action None

Error Message `ETH_PORT_CHANNEL-3-ALL_DROP_TIMEOUT: Some component(s) (sap:[chars]) timed out on dropping notif:[chars] (for:[chars]); collect`

Explanation Some component did not respond to a request in stipulated time.

Recommended Action None

Error Message `ETH_PORT_CHANNEL-3-CLEAR_PORT_CLIENT_STATS_FAILURE: [chars]`

Explanation Failed to clear stats for port [chars] err: 0x[hex] ([chars])

Recommended Action None

Error Message `ETH_PORT_CHANNEL-3-COMPAT_CHECK_FAILURE: [chars] is not compatible`

Explanation Compatibility check failed when adding ports to port-channel

Recommended Action Make sure the compatibility parameters are consistent while adding ports to port-channel, or use force option

Error Message `ETH_PORT_CHANNEL-3-GENERAL_ERROR: [chars]`

Explanation General error

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-3-MINLINK_REQ_NOT_MET_DUE_TO_BFD_CHANNEL_REINIT: [chars] does not meet min-link requirement based on BFD state. Reinit port-channel`

Explanation Port-channel does not meet min-link requirement based on BFD state

Recommended Action None

Error Message `ETH_PORT_CHANNEL-3-MSG_SEND_FAILURE: failed to send [chars] to sap [dec]: [chars]`

Explanation Failed to send a message

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-3-NUM_ACTIVE_PORTS_ERROR: Port-channel:[chars] active_nports`

[dec]; No member is active; Please collect

Explanation Port-channel num active ports error

Recommended Action None

Error Message ETH_PORT_CHANNEL-3-PCM_HWCFG_FAIL_ERROR: Port-channel:[chars] mbr:[chars] SAP [dec] returned error [chars] for opc [chars]; please collect

Explanation Port-channel hwcfg fail error

Recommended Action None

Error Message ETH_PORT_CHANNEL-3-PCM_INTERNAL_ERROR: Port-channel:[chars] mbr:[chars]; collect

Explanation Port-channel internal error

Recommended Action None

Error Message ETH_PORT_CHANNEL-3-PCM_PORT_DEL_IN_PC_UP_ERROR: Port-channel:[chars] mbr:[chars]; please collect

Explanation Port-channel port del in pc_up. Shut resp recvd before bundle member down

Recommended Action None

Error Message ETH_PORT_CHANNEL-3-PCM_PORT_DOWN_IN_PC_UP_ERROR: Port-channel:[chars] mbr:[chars]; please collect

Explanation Port-channel port down in pc_up. No bundle member down

Recommended Action None

Error Message ETH_PORT_CHANNEL-3-PEER_COLLECT_ENABLE_NOT_RCVD: LACP neighbor for [chars] may not have enabled collect bit in LACP PDU in stipulated time.

Explanation LACP peer may not have enabled collect bit in LACP PDU in stipulated time.

Recommended Action None

Error Message ETH_PORT_CHANNEL-3-PORT_CHANNEL_NOT_FOUND: [chars] is not found

Explanation Cannot find port-channel in its database, which indicates an inconsistency with an external component

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-3-RESOURCE_ALLOC_FAILED_PORT_CHANNEL_DELETED: [chars] deleted`

Explanation Port-channel deleted from running config

Recommended Action May need to re-configure the port-channel and its members

Error Message `ETH_PORT_CHANNEL-3-RSP_TIMEOUT: Component [chars] timed out on response to opcode:[chars] (for:[chars])`

Explanation Some component did not respond to a request in stipulated time.

Recommended Action None

Error Message `ETH_PORT_CHANNEL-3-SHADOW_MBR_CHANGE_FAILURE: [chars]`

Explanation Some service failed shadow member change to port-channel

Recommended Action None

Error Message `ETH_PORT_CHANNEL-3-SHADOW_PC_CREATE_FAILURE: [chars]`

Explanation Some service failed shadow port-channel create

Recommended Action None

Error Message `ETH_PORT_CHANNEL-3-SHADOW_PC_DELETE_FAILURE: [chars]`

Explanation Some service failed shadow port-channel delete

Recommended Action None

Error Message `ETH_PORT_CHANNEL-3-TIMEOUT: timed out after [dec] seconds [type [chars], state [chars]]`

Explanation Some operation timed out

Recommended Action Run show port-channel consistency to check all module connectivity and consistency

ETH_PORT_CHANNEL-4

Error Message `ETH_PORT_CHANNEL-4-PORT_CFG_DELETED: [chars] removed from [chars] (different`

module inserted)

Explanation Port is removed from a port-channel because a different module was inserted to the same slot

Recommended Action You lost some ports from port-channel, check if you want to add ports in the new module to the same port-channel.

Error Message `ETH_PORT_CHANNEL-4-PORT_CHANNEL_RANGE: The total number of port channels configured in the range exceeds maximum: [dec].`

Explanation The total number of port channels configured in the range exceeds maximum

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-4-PORT_CHANNEL_RESTORE: The total number of port channels restored: [dec] exceeds maximum: [dec]. This may corrupt TCAM entries. Please reduce port channel number to no greater than maximum.`

Explanation The total number of port channels restored exceeds maximum

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-4-PORT_INDIVIDUAL: port [chars] is operationally individual`

Explanation The port is operating as an individual link even though it is locally or remotely configured to be part of a port channel

Recommended Action Check the configuration of the port locally and remotely to ensure that it can operate as part of a port channel

Error Message `ETH_PORT_CHANNEL-4-PORT_NOT_FOUND: port [chars] is not part of port-channel`

Explanation Cannot find the port in port-channel database, which indicates an inconsistency with an external component

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-4-RACE_WARN: [chars]`

Explanation Warning of possible race condition

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-4-UNEXPECTED_RESPONSE: unexpected response [chars] from [chars]`

Explanation Received an unexpected response and discarded

Recommended Action No action is required.

ETH_PORT_CHANNEL-5

Error Message `ETH_PORT_CHANNEL-5-AUTO_CREATE_FAILURE: [chars] [chars]`

Explanation Auto create process on the port failed

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-5-CREATED: [chars] created`

Explanation A port-channel is created

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-5-DELETED: [chars] deleted`

Explanation A port-channel is deleted

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-5-FOP_CHANGED: [chars]: first operational port changed from [chars] to [chars]`

Explanation The first operational port in a port-channel is changed

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-5-IF_DOWN_SUSPENDED_BY_MODE: Interface [chars] is down (Suspended due to incompatible mode`

Explanation Compatibility check failed when adding ports to port-channel

Recommended Action Make sure the compatibility parameters are consistent between the ports and the port-channel

Error Message `ETH_PORT_CHANNEL-5-IF_DOWN_SUSPENDED_BY_SPEED: Interface [chars] is down (Suspended due to incompatible speed`

Explanation Operational compatibility check failed on the port in a port-channel

Recommended Action Make sure the compatibility parameters are consistent between the ports and the port-channel

Error Message `ETH_PORT_CHANNEL-5-MAX_CHANNEL_DISALLOWED: Module failed to come online because port channel interface greater than [dec] is present`

Explanation The port-channel number configured on the switch is larger than 128

Recommended Action Delete the set of port channel interface which is greater than 128

Error Message `ETH_PORT_CHANNEL-5-PORT_ADDED: [chars] added to [chars]`

Explanation Ports are added to a port-channel

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-5-PORT_CHANNEL_DELAYED_LACP: [chars]: port-channel is up with member [chars] in delayed-lacp mode`

Explanation Port-channel is up in delayed-lacp mode

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-5-PORT_CHANNEL_LACP_MODE: [chars]: [chars]`

Explanation Port-channel is coming up in lacp mode

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-5-PORT_DOWN: [chars]: [chars] is down`

Explanation Port goes down in a port-channel

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-5-PORT_HOT_STANDBY_DOWN: [chars]: hot-standby port [chars] is down`

Explanation Port-channel hot-standby member goes down

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-5-PORT_HOT_STANDBY: [chars]: [chars] goes to hot-standby`

Explanation Port goes to hot-standby in a port-channel

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-5-PORT_INDIVIDUAL_DOWN: individual port [chars] is down`

Explanation Port-channel member operating in individual mode goes down

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-5-PORT_REMOVED: [chars] removed from [chars]`

Explanation Ports are removed from a port-channel

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-5-PORT_SUSPENDED: [chars]: [chars] is suspended`

Explanation Port is suspended in a port-channel

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-5-PORT_UP: [chars]: [chars] is up`

Explanation Port comes up in a port-channel

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-5-PORT_WAIT_BFD: [chars] waiting for BFD session to get established`

Explanation Port waiting for BFD session establishment

Recommended Action None

Error Message `ETH_PORT_CHANNEL-5-SUBGROUP_ID_CHANGE: Interface [chars] in port-channel[dec] subgroup-id changed from [dec] to [dec]`

Explanation The port's subgroup-id got changed

Recommended Action No action is required.

ETH_PORT_CHANNEL-6

Error Message `ETH_PORT_CHANNEL-6-RESYNC: resyncing [chars] with all modules`

Explanation Resync modules with sup after an error or switchover

Recommended Action No action is required.

ETH_PORT_CHANNEL-7

Error Message `ETH_PORT_CHANNEL-7-GSYNC_DONE: global synchronization is done`

Explanation Port-channel manager finished global synchronization

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-7-GSYNC_REQ: requesting global synchronization`

Explanation Port-channel manager requested a global synchronization from active sup

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-7-START_ACTIVE: started in active mode`

Explanation Port-channel manager started in active mode

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-7-START_DEFAULT: started with default configuration`

Explanation Port-channel manager started with default configuration

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-7-START_STANDBY: started in standby mode`

Explanation Port-channel manager started in standby mode

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-7-START_STATEFUL: started statefully`

Explanation Port-channel manager started with running configuration

Recommended Action No action is required.

Error Message `ETH_PORT_CHANNEL-7-START_STATELESS: started statelessly`

Explanation Port-channel manager started with startup configuration

Recommended Action No action is required.

EVMC Messages

This section contains the EVMC messages.

EVMC-3

Error Message `EVMC-3-MTS_OPERATION_FAILED: [chars]([dec]): [chars]`

Explanation Internal IPC operation failed in Event Manager Client

Recommended Action No action is required.

EVMC-4

Error Message `EVMC-4-ACTION_CFG_MONITOR_COLLECT: [chars]([dec]): Action configuration disallowed for Monitor Collect Policy`

Explanation Configuring Policy Action for Monitor Collect Policy isnot allowed and hence, has been rejected

Recommended Action No action is required.

EVMC-5

Error Message `EVMC-5-AVL_CREATE_FAIL: [chars]([dec]): AVL Tree creation failure`

Explanation Event Manager could not initialize local policy store

Recommended Action No action is required.

Error Message `EVMC-5-MALLOC_FAILURE: [chars]([dec]): Memory allocation failure`

Explanation Event Manager Client process could not allocate memory

Recommended Action No action is required.

Error Message `EVMC-5-RT_PSS_OP_FAILURE: [chars]([dec]): Failed to [chars]. Error:[chars]`

Explanation Event Manager Client could not access HA store

Recommended Action No action is required.

EVMC-6

Error Message `EVMC-6-MTS_AGE_LIMIT_EXCEEDED: Publisher registration mts took higher time to be processed than expected Age is: [dec]`

Explanation Publisher registration mts took higher time than expected

Recommended Action No action is required.

EVMS Messages

This section contains the EVMS messages.

EVMS-2

Error Message `EVMS-2-EVMS_PSS_DELETE_FAILURE: Delete from PSS failed`

Explanation Delete from PSS failed

Recommended Action No action is required.

Error Message `EVMS-2-EVMS_PSS_WRITE_FAILURE: Write to PSS failed`

Explanation Write to PSS failed

Recommended Action No action is required.

Error Message `EVMS-2-EVMS_SHOW_POLICY_ALLOC_FAILURE: Insufficient memory: policy information shown will be incomplete`

Explanation Memory allocation failed. so complete requested information is not being shown

Recommended Action No action is required.

EVMS-4

Error Message `EVMS-4-EVMS_APPLET_NO_ACTION_DEFAULT: WARNING: The default system policy actions are being skipped`

Explanation The default system policy actions are being skipped

Recommended Action No action is required.

EVMS-6

Error Message `EVMS-6-EVMS_LOGGING_NO_SPACE: logflash full, so deleting first event archive file`

Explanation As the logflash is full, first of the present event archive files is deleted

Recommended Action No action is required.

EXCEPTIONLOG Messages

This section contains the EXCEPTIONLOG messages.

EXCEPTIONLOG-SLOT#-2

Error Message `EXCEPTIONLOG-SLOT#-2-LC_EXP_MSG: Linecard exception: [chars] is the affected Port bit map. [dec] Additional information - [chars]`

Explanation LC Exception event.

Recommended Action No action is required.

FABRICPATH Messages

This section contains the FABRICPATH messages.

FABRICPATH-2

Error Message `FABRICPATH-2-FABRICPATH_LINK_BRINGUP_STALLED_STATIC: Link bringup stalled due to conflicts: [chars]`

Explanation Interface is disabled due to conflicts

Recommended Action No action is required.

FABRICPATH-4

Error Message `FABRICPATH-4-FABRICPATH_ES_REMOTE_CONFLICT: Remote ES Switch-id collides with local/remote switch-id in database`

Explanation Conflict between Remote ES switch-id and non ES switch-id in database

Recommended Action No action is required.

Error Message `FABRICPATH-4-FABRICPATH_INVALID_FTAG: Invalid ftag [dec] received`

Explanation Invalid ftag is received from remote

Recommended Action No action is required.

Error Message `FABRICPATH-4-FABRICPATH_INVALID_SWITCH_ID: Invalid switch-id [dec] received`

Explanation Invalid switch-id is received from remote

Recommended Action No action is required.

Error Message `FABRICPATH-4-FABRICPATH_LOCAL_SWID_UNKNOWN: Local Switch-id is not known to Resource Allocation manager`

Explanation Resource Allocation Manager was not able to recover the local switch-id

Recommended Action No action is required.

FABRICPATH-6

Error Message `FABRICPATH-6-FABRICPATH_LINK_BRINGUP_RESOLVE_COLLISION: Resolving Collision for switch-id [dec]`

Explanation Resolving Collision for switch-id

Recommended Action No action is required.

Error Message `FABRICPATH-6-FABRICPATH_LINK_BRINGUP_STALLED_CLEARED: LINK bringup cleared for [chars] after collision resolution`

Explanation Link bringup temporarily suspended due to conflicts

Recommended Action No action is required.

Error Message `FABRICPATH-6-FABRICPATH_LINK_BRINGUP_STALLED: LINK bringup suspended for [chars] due to conflicts`

Explanation Link bringup temporarily suspended due to conflicts

Recommended Action No action is required.

Error Message `FABRICPATH-6-FABRICPATH_NEW_ES_SWITCH_ID: New Emulated switch-id [chars] received`

Explanation New Emulated switch-id received

Recommended Action No action is required.

Error Message `FABRICPATH-6-FABRICPATH_NEW_SWITCH_ID: New switch-id [chars] received`

Explanation New switch-id received

Recommended Action No action is required.

Error Message `FABRICPATH-6-FABRICPATH_SUSP_LINK_REL_BY_SHUT: Suspended Link [chars] cleared from conflicts database due to link status going DOWN. Conflicts may still show even after conflicting nodes are no longer reachable - see "show fabricpath conflict all" for details.`

Explanation Suspended Link cleared by interface status down but conflicts may not yet be cleared.

Recommended Action No action is required.

Error Message `FABRICPATH-6-FABRICPATH_SWID_CHANGED: Switch-id [dec] is assigned with [chars] state`

Explanation Local switch-id is changed

Recommended Action No action is required.

Error Message `FABRICPATH-6-FABRICPATH_SWID_CONFLICTS: Switch-id [dec] is in conflict with device [chars]`

Explanation Local switch-id collision with other device

Recommended Action No action is required.

Error Message `FABRICPATH-6-FABRICPATH_SWID_PRI_SEC_CHANGED: Switch-id [dec] is changed to [chars]`

Explanation Local switch-id status changed

Recommended Action No action is required.

Error Message `FABRICPATH-6-FABRICPATH_SWID_STATE_CHANGED: Switch-id [dec] status changed to [chars]`

Explanation Local switch-id status changed

Recommended Action No action is required.

FC-TUNNEL Messages

This section contains the FC-TUNNEL messages.

FC-TUNNEL-3

Error Message `FC-TUNNEL-3-INTERNAL_ERROR: Internal error: [chars]`

Explanation FCMPLS tunnel process encountered a general error, one that does not fall in any of the categories. [chars] describes the error and its context.

Recommended Action No action is required.

Error Message `FC-TUNNEL-3-IPFC_ERROR: IPFC API, [chars], failed with error 0x[hex]`

Explanation FCMPLS tunnel invoked IPFC API and received the error code. [chars] describes the API and 0x[hex] specifies the error

Recommended Action No action is required.

Error Message `FC-TUNNEL-3-MTS_ERROR: MTS message transmission failed with error [dec]`

Explanation FCMPLS tunnel process unsuccessfully tried to send a MTS message. MTS errro number is specified in [dec]

Recommended Action No action is required.

Error Message `FC-TUNNEL-3-NS_ERROR: FCNS API, [chars], failed with error 0x[hex]`

Explanation FCMPLS tunnel invoked FCNS API and received the error code. [chars] describes the API and 0x[hex] specifies the error

Recommended Action No action is required.

Error Message `FC-TUNNEL-3-PM_ERROR: Port Manager API, [chars], failed with error 0x[hex]`

Explanation FCMPLS tunnel invoked Port Manager API and received the error code. [chars] describes the API and 0x[hex] specifies the error

Recommended Action No action is required.

Error Message `FC-TUNNEL-3-PSS_CFG_RESTORE_ERROR: Configuration restoration for [chars] failed with error 0x[hex]`

Explanation FCMPLS tunnel read the saved configuration and encountered an error while rebuilding the runtime configuration. [chars] describes the configuration which the process tried to restore and 0x[hex] is the system error code

Recommended Action No action is required.

Error Message `FC-TUNNEL-3-PSS_ERROR: PSS operation [chars] returned error: 0x[hex]`

Explanation [chars] specifies the context where the failure occurred and 0x[hex] specifies the error

Recommended Action No action is required.

Error Message `FC-TUNNEL-3-PSS_RTDB_RESTORE_ERROR: Runtime database restoration for [chars] failed with error 0x[hex]`

Explanation FCMPLS tunnel read the saved runtime database and encountered an error while rebuilding the runtime database. [chars] describes the runtime database which the process tried to restore and 0x[hex] is the system error code

Recommended Action No action is required.

Error Message `FC-TUNNEL-3-RIB_ERROR: RIB API, [chars], failed with error 0x[hex]`

Explanation FCMPLS tunnel invoked RIB API and received the error code. [chars] describes the API and 0x[hex] specifies the error

Recommended Action No action is required.

Error Message `FC-TUNNEL-3-RSVP_PROTO_ERROR: RSVP protocol error: [chars]`

Explanation RSVP-TE protocol error is encountered. [chars] describes the error and its context.

Recommended Action No action is required.

Error Message `FC-TUNNEL-3-UNEXPECTED_MTS_MSG: Unexpected MTS message, opcode [dec], is received`

Explanation FCMPLS tunnel process received unexpected MTS event. MTS opcode is specified in [dec]

Recommended Action No action is required.

FC-TUNNEL-5

Error Message `FC-TUNNEL-5-MSG_INTERFACE_DOWN: Interface [chars] is down`

Explanation The logical fc tunnel interface is down. This may be due to a reconfiguration on the fc tunnel, or issues on the underlying physical interface

Recommended Action If this is not due to a known reconfiguration, you should verify connectivity at the physical port level, and then on then on the fc tunnel interface. Furthermore, verify the physical ports along the fc tunnel path operate in the TE mode

Error Message `FC-TUNNEL-5-MSG_INTERFACE_UP: Interface [chars] is up`

Explanation The fc interface is up

Recommended Action No action is required.

FEATURE-MGR Messages

This section contains the FEATURE-MGR messages.

FEATURE-MGR-2

Error Message `FEATURE-MGR-2-FM_AUTOCKPT_FAILED: AutoCheckpoint [chars] failed to be created for reason: [chars] (0x[hex])`

Explanation AutoCheckpoint creation with the given name failed

Recommended Action No action is required.

Error Message `FEATURE-MGR-2-FM_FEATURE_LICENSE_ERROR: license [chars] checkout failure for [chars], error 0x[hex] ([chars])`

Explanation License operation was not successful, check license validity for the feature

Recommended Action Please contact FM team

Error Message `FEATURE-MGR-2-FM_FEATURE_OP_GENERIC_ERROR: Service [chars] with uuid [dec] (0x[hex]) encountered error:0x[hex]([chars]).Disable dependent features or contact service owner for details.`

Explanation Operation was not successful

Recommended Action Please contact FM/sysmgr team

Error Message `FEATURE-MGR-2-FM_FEATURE_OP_TIMEOUT_ERROR: feature [chars] operation failed on response timeout from service: [chars] with uuid (0x[hex])`

Explanation The error seen at FM and service communication

Recommended Action Please contact service owner with given uuid and FM team

Error Message `FEATURE-MGR-2-FM_FSET_ADD_CONFCHECK_ERROR: failed to add confcheck 0x[hex] ([chars]) at installing feature-set [chars]`

Explanation Failed to add confcheck at enabling feature-set

Recommended Action Please contact FM/sysmgr team

Error Message `FEATURE-MGR-2-FM_FSET_CFG_ALLOW_ERROR: Potential vdc_mgr issue: the allow request failed 0x[hex] ([chars])`

Explanation Vdc_mgr failed to response the allow request

Recommended Action Please contact FM/vdc_mgr team

Error Message `FEATURE-MGR-2-FM_FSET_CKPT_ERROR: Checkpoint issue: failed on checkpoint with error 0x[hex] ([chars]) at feature-set [chars]`

Explanation Checkpoint did not respond

Recommended Action Please contact FM/vdc_mgr and rollback team

Error Message `FEATURE-MGR-2-FM_FSET_DISABLE_ERROR: Potential sysmgr issue: disable feature-set [chars] on sup failed with error 0x[hex] ([chars])`

Explanation Some issues while disabling feature-set

Recommended Action Please contact FM/sysmgr team

Error Message `FEATURE-MGR-2-FM_FSET_DISABLE_FEATURES_ERROR: features failed to disable at feature-set [chars] with error 0x[hex] ([chars])`

Explanation Failed to disable feature at disabling feature-set

Recommended Action Please contact FM/sysmgr team

Error Message `FEATURE-MGR-2-FM_FSET_DISABLE_FEATURES_TIMEOUT: Potential [chars] issue: feature [chars] did not complete its disabling`

Explanation Failed to disable feature at disabling feature-set

Recommended Action Please contact FM/sysmgr team and the feature owner

Error Message `FEATURE-MGR-2-FM_FSET_INSTALL_ERROR: install feature-set [chars] returns error 0X[hex] ([chars])`

Explanation Some issues during install feature-set

Recommended Action Please contact FM/sysmgr team

Error Message `FEATURE-MGR-2-FM_FSET_LCS_DISABLE_ERROR: Potential sysmgr issue: disable feature-set [chars] failed on module [dec] with error 0x[hex] ([chars])`

Explanation Some issues on the lc while disabling feature-set

Recommended Action Please contact FM/sysmgr team

Error Message `FEATURE-MGR-2-FM_FSET_LCS_ENABLE_ERROR: enabling feature-set [chars] on module [dec] returns error 0X[hex] ([chars])`

Explanation Somes issue on the lc while enabling feature-set

Recommended Action Please contact FM/sysmgr team

Error Message `FEATURE-MGR-2-FM_FSET_PRESEQ_REJECT: pre-sequence rejected by feature-set due to a service with sap [dec]: [chars]`

Explanation The message seen when an application rejects feature-set disable request

Recommended Action Please contact FM/sysmgr team

Error Message `FEATURE-MGR-2-FM_FSET_SUP_ENABLE_ERROR: enabling feature-set [chars] on sup returns error 0X[hex] ([chars])`

Explanation Some issues during enabling feature-set

Recommended Action Please contact FM/sysmgr team

Error Message `FEATURE-MGR-2-FM_FSET_UNGRACEFUL_DISABLE_ERROR: Potential sysmgr issue: ungraceful disable feature-set [chars] failed with error 0x[hex] ([chars])`

Explanation Some issues while ungraceful disable feature-set

Recommended Action Please contact FM/sysmgr team

Error Message `FEATURE-MGR-2-FM_FSET_UNGRACEFUL_UNINSTALL_ERROR: Potential sysmgr issue: ungraceful uninstall feature-set [chars] failed with error 0x[hex] ([chars])`

Explanation Some issues while ungraceful uninstall feature-set

Recommended Action Please contact FM/sysmgr team

Error Message `FEATURE-MGR-2-FM_FSET_UNINSTALL_ERROR: Potential sysmgr issue: uninstall feature-set [chars] failed with error 0x[hex] ([chars])`

Explanation Some issues while uninstall feature-set

Recommended Action Please contact FM/sysmgr team

Error Message `FEATURE-MGR-2-FM_MPLS_NVE_DEPENDENCY: Feature MPLS Static and NV Overlay can't be configured together`

Explanation Feature MPLS Static and NV Overlay can't be configured togethe

Recommended Action No action is required.

Error Message `FEATURE-MGR-2-FM_MPLS_SR_VPC_DEPENDENCY: Feature MPLS SEGMENT ROUTING and VPC can't be configured together`

Explanation Feature MPLS SEGMENT ROUTING and VPC can't be configured together

Recommended Action No action is required.

Error Message `FEATURE-MGR-2-FM_MPLS_VPC_DEPENDENCY: Feature MPLS Static and VPC can't be configured together`

Explanation Feature MPLS Static and VPC can't be configured together

Recommended Action No action is required.

Error Message `FEATURE-MGR-2-MODULE_FM_DONE: feature manager completed`

Explanation Feature manager completed

Recommended Action No action is required.

Error Message `FEATURE-MGR-2-MODULE_FM_STARTED: feature manager started`

Explanation Feature manager started

Recommended Action No action is required.

FEATURE-MGR-3

Error Message `FEATURE-MGR-3-FM_FSET_INSTALL_CONFLICT_ERROR: feature-set [chars] cannot be installed; feature-set [chars] is in installed/enabled state; uninstall this feature-set and try`

Explanation Conflict feature set is in installed/enabled state

Recommended Action No action is required.

FEATURE-MGR-6

Error Message `FEATURE-MGR-6-FM_AUTOCKPT_IN_PROGRESS: AutoCheckpoint [chars]'s creation in progress...`

Explanation AutoCheckpoint creation has been requested and it should be in progress

Recommended Action No action is required.

Error Message `FEATURE-MGR-6-FM_AUTOCKPT_SUCCEEDED: AutoCheckpoint [chars] created successfully`

Explanation AutoCheckpoint with the given name has been created successfully

Recommended Action No action is required.

Error Message `FEATURE-MGR-6-FM_FCOE_AUTOINSTALL_ON_NOT_ISOLA: auto-install feature-set fcoe on non-isola`

Explanation Auto-install feature-set fcoe could be done on isola only

Recommended Action Please contact FM team

Error Message `FEATURE-MGR-6-FM_FSET_ENABLED_AT_UNINSTALL: Uninstall aborted because feature set is still enabled in vdc [dec]`

Explanation Feature set is in enabled state

Recommended Action No action is required.

Error Message `FEATURE-MGR-6-FM_FSET_VMM_OP_ERROR: [chars]`

Explanation The error seen at FM and VMM interaction

Recommended Action Please contact FM/VMM team

FEX Messages

This section contains the FEX messages.

FEX-2

Error Message `FEX-2-FEXCONFIG_ON_VPC: A green start is a must after ISSU for VPC config on FPC(0x[hex]) for AA-FEX bringup. Please ignore if you already reloaded the switch after upgrading to version >= 7.0.3(I5)2`

Explanation Green start (post ISSU) is a must to ensure programming correctness before configuring AA-FEXes

Recommended Action No action is required.

Error Message `FEX-2-FEX_ACL_INSTALL_FAILED: FEX ACL install failed, remove feature-set fex and re-configure`

Explanation This means that the FEX acl entry is not install and fex can't come up

Recommended Action No action is required.

Error Message `FEX-2-FEX_NOT_ONLINE_SUP_ISSU: FEX [dec] did not come online after SUP ISSU`

Explanation FEX did not come online after sup ISSU

Recommended Action No action is required.

Error Message `FEX-2-FEX_OFFLINE_ACT2_AUTH_FAILURE: ACT2 Authentication Failed`

Explanation This means that the FEX ACT2 Authentication was a failure

Recommended Action No action is required.

Error Message `FEX-2-FEX_OFFLINE_WITH_REASON: FEX [dec] has gone OFFLINE because [chars].`

Explanation FEX has gone OFFLINE because of the specified reason.

Recommended Action No action is required.

Error Message `FEX-2-FEX_OFFLINE: FEX [dec] has gone OFFLINE`

Explanation FEX has gone OFFLINE

Recommended Action No action is required.

Error Message `FEX-2-FEX_ONLINE: FEX [dec] has come ONLINE`

Explanation FEX has come ONLINE

Recommended Action No action is required.

Error Message `FEX-2-FEX_PORT_STATUS_CRIT: Uplink-ID [dec] of Fex [dec] that is connected with [chars] changed its status from [chars] to [chars]`

Explanation Fex [decimal-digit] changed port status

Recommended Action No action is required.

Error Message `FEX-2-NOHMS_ENV_FEX_OFFLINE: [chars]`

Explanation Fex off-line

Recommended Action Show inventory

Error Message `FEX-2-NOHMS_ENV_FEX_ONLINE: [chars]`

Explanation Fex on-line

Recommended Action Show inventory

FEX-4

Error Message `FEX-4-FEX_SCALING_LIMITS_REACHED: You have exceeded the advisable FEX scaling`

limits.

Explanation More FEX/FEX ports in the system than recommended by Cisco.

Recommended Action No action is required.

FEX-5

Error Message `FEX-5-FEX_DISABLED: FEX Disabled`

Explanation FEX Service Disabled

Recommended Action No action is required.

Error Message `FEX-5-FEX_ENABLED: FEX Enabled`

Explanation FEX Service Enabled

Recommended Action No action is required.

Error Message `FEX-5-FEX_LOG_COPY: [chars]`

Explanation Fex log copy information

Recommended Action No action is required.

Error Message `FEX-5-FEX_PORT_STATUS_NOTI: Uplink-ID [dec] of Fex [dec] that is connected with [chars] changed its status from [chars] to [chars]`

Explanation Fex [decimal-digit] changed port status

Recommended Action No action is required.

Error Message `FEX-5-PINNING_CHANGED: Fex [dec] pinning information is changed`

Explanation Fex pinning information changed

Recommended Action No action is required.

Error Message `FEX-5-SATMGR_DISABLE_FAILED: Disabling of feature FEX failed. Please remove FEX related configs from interfaces`

Explanation Disabling of FEX feature failed

Recommended Action No action is required.

FLEXLINK Messages

This section contains the FLEXLINK messages.

FLEXLINK-2

Error Message `FLEXLINK-2-FLEXLINK_FEATURE_DISABLE_FAILED_CONFIG: Disablement of feature Flexlink failed. Please remove Flexlink related configs from interfaces.`

Explanation Disablement of Flexlink service failed

Recommended Action No action is required.

Error Message `FLEXLINK-2-FLEXLINK_FEATURE_ENABLE_FAILED_PLATFORM: Enablement of feature Flexlink failed. Flexlink is not supported on [chars] platforms.`

Explanation Enablement of Flexlink service failed

Recommended Action No action is required.

Error Message `FLEXLINK-2-FLEXLINK_FEATURE_ENABLE_FAILED_VPC: Enablement of feature Flexlink failed. Please disable feature VPC first.`

Explanation Enablement of Flexlink service failed

Recommended Action No action is required.

Error Message `FLEXLINK-2-FLEXLINK_FWDING_EVSEQ_FAIL: Port state change request to Forwarding Manager error 0x[hex] [[chars]] vdc [dec]. Port [chars] will be error disabled.`

Explanation Forwarding Manager set port state has failed or timed out.

Recommended Action No action is required.

FLEXLINK-5

Error Message `FLEXLINK-5-FLEXLINK_DISABLED: Flexlink Manager disabled`

Explanation Flexlink Service Disabled

Recommended Action No action is required.

Error Message `FLEXLINK-5-FLEXLINK_ENABLED: Flexlink Manager enabled`

Explanation Flexlink Service Enabled

Recommended Action No action is required.

Error Message `FLEXLINK-5-LOOP_REMOVE_CONFIG: Removing Switchport Backup configuration for pair ([chars]) on port-channel deletion to prevent loops`

Explanation Switchport Backup port channel deletion removing config

Recommended Action No action is required.

Error Message `FLEXLINK-5-PREEMPTION: Switchport Backup interface [chars] preemption of [chars] for [chars]`

Explanation Switchport Backup interface preemption

Recommended Action No action is required.

FS-DAEMON Messages

This section contains the FS-DAEMON messages.

FS-DAEMON-2

Error Message `FS-DAEMON-2-FSD_ENOSPC_BOOTFLASH: Due to insufficient space, [chars] image could not be copied to standby bootflash. [chars] image is not present on standby. Please copy \'[chars]\' manually.`

Explanation Move system images from RAM to bootflash to free up some memory

Recommended Action Please remove some unnecessary files on bootflash using \'delete\' CLI command and copy images from active supervisor or from remote location

FS-DAEMON-6

Error Message `FS-DAEMON-6-FSD_ENOSPC_LOGFLASH: System logflash usage has reached [dec]%. You may delete some old files on logflash to free up space`

Explanation System logflash space is almost full

Recommended Action Use 'clear core archived' or 'delete' CLI to free up space on logflash

Error Message `FS-DAEMON-6-FSD_ENOSPC_ROOT: System root usage has reached [dec]%. You may delete some old files from root or /var/log to free up space`

Explanation System root space is almost full

Recommended Action Use 'clear core archived' or 'delete' CLI to free up space on root dir or /var/log

Error Message `FS-DAEMON-6-FSD_ENOSPC_TMP: System temporary directory usage has reached [dec]%.`

Explanation System /tmp space usage.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `FS-DAEMON-6-FSD_REEXPORT_NFS: Re-exported NFS mounts`

Explanation Exported NFS mounts are not visible in kernel and had to be reexported

Recommended Action Please use 'show system internal flash' to make sure there are no Stale NFS handles

FSCM Messages

This section contains the FSCM messages.

FSCM-2

Error Message `FSCM-2-FABRIC_START_CFG_MGR_PROGRAM_EXIT: Fabric Start Cfg Mgr daemon exiting: [chars]`

Explanation FABRIC_START_CFG_MGR daemon is exiting.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

FSM UTILS Messages

This section contains the FSM UTILS messages.

FSM UTILS-5

Error Message `FSM UTILS-5-FU_GENERIC_ERROR: [chars]`

Explanation FSMU Generic Error

Recommended Action No action is required.

FSYNC_MGR Messages

This section contains the FSYNC_MGR messages.

FSYNC_MGR-2

Error Message `FSYNC_MGR-2-FSYNC_LICENSE_EXPIRED_HONOR: License expired for feature frequency-synchronization. Feature will run in honor mode. Please install DCN-SYNCE-XF license.`

Explanation License has expired, FSYNC_MGR will work in honor mode.

Recommended Action No action is required.

Error Message `FSYNC_MGR-2-FSYNC_LICENSE_MISSING_HONOR: Feature frequency-synchronization license missing: Feature will work in honor mode. Please install DCN-SYNCE-XF license.`

Explanation License missing, FSYNC_MGR will work in honor mode.

Recommended Action No action is required.

Error Message `FSYNC_MGR-2-FSYNC_SELECTION_CHANGE: New selection for selection point [chars]: [dec] inputs selected[chars]`

Explanation A new set of inputs has been selected at the specified selection point, to drive the output of the selection point.

Recommended Action No action is required.

Error Message `FSYNC_MGR-2-FSYNC_SEQ_TIMEOUT: [chars]`

Explanation Event Sequence Timeout

Recommended Action No action is required.

FSYNC_MGR-3

Error Message `FSYNC_MGR-3-FSYNC_ESMC_RECV_TIMER: Failed to re-arm the ESMC SSM recv timer: [dec]`

Explanation An error occurred when attempting to re-arm the ESMC SSM recv timer. No further SSMs will be sent from interfaces on the card on which this message was seen.

Recommended Action No action is required.

Error Message `FSYNC_MGR-3-FSYNC_ESMC_SEND_TIMER: Failed to re-arm the ESMC SSM send timer: [dec]`

Explanation An error occurred when attempting to re-arm the ESMC SSM send timer. No further SSMs will be sent from interfaces on the card on which this message was seen.

Recommended Action No action is required.

FSYNC_MGR-4

Error Message `FSYNC_MGR-4-FSYNC_ESMC_REVC_TIMEDOUT: ESMC receive timed out for [chars]`

Explanation ESMC Recv timer expired

Recommended Action No action is required.

Error Message `FSYNC_MGR-4-FSYNC_INPUT_PROGRAMMING_FAILED: Failed to program the inputs for selection point [chars]: [chars]`

Explanation The Frequency Synchronization manager that generated the message failed to program the inputs for the specified selection point into the platform. Any changes to the inputs (for example, if an input is no longer available or if it's QL has changed) will not take effect.

Recommended Action No action is required.

Error Message `FSYNC_MGR-4-FSYNC_QLT_TIMER: Failed to set the loopback timer for all clock-interfaces: [dec]`

Explanation Timer init failed

Recommended Action No action is required.

Error Message `FSYNC_MGR-4-FSYNC_SELECTION_ERROR: Failed to handle selection update for selection point [chars]: [chars]`

Explanation The Frequency Synchronization manager that generated the message encountered an error during handling of an update to the inputs selected at the specified selection point. The message contains more details of the error. The change to which inputs are selected, or to the QL or priority of the selected input, may not take effect.

Recommended Action No action is required.

FSYNC_MGR-5

Error Message `FSYNC_MGR-5-FSYNC_ESMC_QL_CHANGE: ESMC QL changed on [chars] to [chars]`

Explanation ESMC QL change

Recommended Action No action is required.

Error Message `FSYNC_MGR-5-FSYNC_MGR_DISABLED: FSYNC_MGR disabled`

Explanation FSYNC_MGR Service Disabled

Recommended Action No action is required.

Error Message `FSYNC_MGR-5-FSYNC_MGR_ENABLED: FSYNC_MGR enabled`

Explanation FSYNC_MGR Service Enabled

Recommended Action No action is required.

Error Message `FSYNC_MGR-5-FSYNC_SEQ_ERROR: [chars]`

Explanation Some step in an event sequence has failed

Recommended Action No action is required.

FSYNC_MGR-6

Error Message `FSYNC_MGR-6-FSYNC_INIT_FAILED: Failed to initialize: [chars][chars]`

Explanation An error was encountered while the specified process was initializing

Recommended Action No action is required.

Error Message `FSYNC_MGR-6-FSYNC_SELECTION_FALLBACK: Selection point [chars] is no longer externally synchronized: [chars]`

Explanation There is no longer a line or external source available for the specified selection point, so it has fallen back to the internal oscillator if available, or otherwise disabled the outputs.

Recommended Action No action is required.

GLBP Messages

This section contains the GLBP messages.

GLBP-2

Error Message `GLBP-2-GLBP_URIB_INIT_ERROR: [chars]`

Explanation Unicast routing initialization failed and the GLBP process terminated

Recommended Action Please check syslog messages for URIB failures and rectify the problem

GLBP-3

Error Message `GLBP-3-GLBP_ARP_ADD_FAILED: Interface [chars] grp [dec]: failed to add [chars]/[chars] in arp table`

Explanation The system was unable to add the GLBP vIP into the arp table

Recommended Action Please check syslog messages for ARP failures and rectify the problem

Error Message `GLBP-3-GLBP_ARP_DEL_FAILED: Interface [chars] grp [dec]: failed to delete [chars]/[chars] in arp table`

Explanation The system was unable to delete the GLBP vIP from the arp table

Recommended Action Please check syslog messages for ARP failures and rectify the problem

Error Message `GLBP-3-GLBP_FEATURE_MANAGER_ERROR: [chars]: [chars]`

Explanation There was a problem in GLBP interaction with feature manager.

Recommended Action Please check the reason for error using feature manager and rectify the problem

Error Message `GLBP-3-GLBP_IP_JOIN_GROUP_FAILED: [chars]: failed to join glbp multicast address group`

Explanation The system was unable to peform a join to start receiving GLBP protocol packets.

Recommended Action Please check syslog messages for IP failures and rectify the problem

Error Message `GLBP-3-GLBP_IP_LEAVE_GROUP_FAILED: [chars]: failed to leave glbp multicast address group`

Explanation The system was unable to peform a leave to stop receiving GLBP protocol packets.

Recommended Action Please check syslog messages for IP failures and rectify the problem

Error Message `GLBP-3-GLBP_MAC_ADD_FAILED: Interface [chars] grp [dec]: fwd [dec] failed to add [chars] in mac table (error [hex])`

Explanation The system was unable to add the GLBP mac address into the mac addresss table

Recommended Action Please check syslog messages for L2FM failures and rectify the problem

Error Message `GLBP-3-GLBP_MAC_DEL_FAILED: Interface [chars] grp [dec]: fwd [dec] failed to delete [chars] in mac table (error [hex])`

Explanation The system was unable to delete the GLBP mac address from the mac addresss table

Recommended Action Please check syslog messages for L2FM failures and rectify the problem

Error Message `GLBP-3-GLBP_ROUTE_ADD_FAILED: Interface [chars] grp [dec]: failed to add [chars] in routing table`

Explanation The system was unable to add the GLBP vIP address into the unicast routing table

Recommended Action Please check syslog messages for URIB failures and rectify the problem

Error Message `GLBP-3-GLBP_ROUTE_DEL_FAILED: Interface [chars] grp [dec]: failed to delete [chars] in routing table`

Explanation The system was unable to delete the GLBP vIP address from the unicast routing table

Recommended Action Please check syslog messages for URIB failures and rectify the problem

GLBP-4

Error Message `GLBP-4-BADAUTH: Interface [chars] grp [dec]: Bad authentication received from [chars]`

Explanation Two routers participating in a Gateway Load Balancing Protocol group have a valid authentication string that does not match.

Recommended Action Use the glbp authentication interface command to repair the Gateway Load Balancing Protocol authentication discrepancy between the local system and the one whose IP address is reported

Error Message `GLBP-4-BADVIP1: Interface [chars] grp [dec]: address [chars] is in the wrong subnet for this interface`

Explanation The Gateway Load Balancing Protocol virtual IP address is not within the subnet configured on this interface.

Recommended Action Configure the virtual IP address of Gateway Load Balancing Protocol to be within the subnet configured on this interface.

Error Message `GLBP-4-BADVIP2: Interface [chars] grp [dec]: address [chars] in the wrong subnet for this interface is not learned`

Explanation The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is not within the subnet configured on this interface.

Recommended Action Check the configuration on all Gateway Load Balancing Protocol routers.

Error Message `GLBP-4-BADVIP3: Interface [chars] grp [dec]: address [chars] is the broadcast address for this interface`

Explanation The Gateway Load Balancing Protocol virtual IP address is a broadcast address for this interface.

Recommended Action Configure the virtual IP address of Gateway Load Balancing Protocol to be a non broadcast address.

Error Message `GLBP-4-DIFFVIP1: Interface [chars] grp [dec]: active router virtual IP address [chars] is different from the locally configured virtual IP address [chars]`

Explanation The Gateway Load Balancing Protocol virtual IP address contained in the Hello message from the Active router is different to that configured locally.

Recommended Action Check the configuration on all Gateway Load Balancing Protocol routers

Error Message `GLBP-4-DUPADDR: Interface [chars] grp [dec]: Duplicate address on [chars]`

Explanation The IP address in a Gateway Load Balancing Protocol message received on the interface is the same as the IP address of its own router. This condition may be caused by a misconfiguration or because of a malfunctioning switch.

Recommended Action Check the configurations on all the Gateway Load Balancing Protocol routers, and ensure that any switches are functioning properly

Error Message `GLBP-4-DUPVIP1: Interface [chars] grp [dec]: address [chars] already assigned to interface [chars] grp [dec]`

Explanation The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is already assigned to a different Gateway Load Balancing Protocol group.

Recommended Action Check the configuration on all Gateway Load Balancing Protocol routers

Error Message `GLBP-4-DUPVIP2: Interface [chars] grp [dec]: address [chars] already assigned to this interface`

Explanation The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is already assigned to this interface.

Recommended Action Check the configuration on all Gateway Load Balancing Protocol routers.

Error Message `GLBP-4-DUPVIP3: Interface [chars] grp [dec]: address [chars] already assigned to another interface [chars]`

Explanation The Gateway Load Balancing Protocol virtual IP address contained in the hello message cannot be learned. It is already assigned to, or overlaps with, an address on another interface or application.

Recommended Action Check the configuration on all Gateway Load Balancing Protocol routers.

Error Message `GLBP-4-GLBP_ARP_RESP_FAILED: Interface [chars] grp [dec]: failed to send arp response [chars]/[chars]`

Explanation The system was unable to send the arp response for vIP

Recommended Action Please check syslog messages for ARP failures and rectify the problem

GLBP-5

Error Message `GLBP-5-ACTIVE_CHANGE: Interface [chars] grp [dec]: Active gateway is [chars]`

Explanation The Gateway Load Balancing Protocol has changed active gateway.

Recommended Action No action is required

Error Message `GLBP-5-FWDSTATECHANGE: Interface [chars] grp [dec]: fwd [dec] state changed from [chars] to [chars]`

Explanation The Gateway Load Balancing Protocol forwarder has changed state.

Recommended Action No action is required

Error Message `GLBP-5-FWD_CREATE: Interface [chars] grp [dec]: fwd [dec] created`

Explanation The Gateway Load Balancing Protocol forwarder has been created.

Recommended Action No action is required

Error Message `GLBP-5-FWD_DELETE: Interface [chars] grp [dec]: fwd [dec] deleted`

Explanation The Gateway Load Balancing Protocol forwarder has been removed.

Recommended Action No action is required

Error Message `GLBP-5-FWD_OWNER: Interface [chars] grp [dec]: fwd [dec] owner mac is [chars]`

Explanation The Gateway Load Balancing Protocol forwarder has changed the owner MAC address.

Recommended Action No action is required

Error Message `GLBP-5-FWD_VMAC: Interface [chars] grp [dec]: fwd [dec] virtual mac is [chars]`

Explanation The Gateway Load Balancing Protocol forwarder has changed the virtual MAC address.

Recommended Action No action is required

Error Message `GLBP-5-FWD_WEIGHTING: Interface [chars] grp [dec]: fwd [dec] weighting is [dec]`

Explanation The Gateway Load Balancing Protocol forwarder has changed the weighting.

Recommended Action No action is required

Error Message `GLBP-5-GRPSTATECHANGE: Interface [chars] grp [dec]: state changed from [chars] to [chars]`

Explanation The Gateway Load Balancing Protocol gateway has changed state.

Recommended Action No action is required

Error Message `GLBP-5-MEMBER_ADD: Interface [chars] grp [dec]: member [chars] [chars] added`

Explanation The Gateway Load Balancing Protocol gateway has added a member.

Recommended Action No action is required

Error Message `GLBP-5-MEMBER_REMOVE: Interface [chars] grp [dec]: member [chars] [chars] removed`

Explanation The Gateway Load Balancing Protocol gateway has removed a member.

Recommended Action No action is required

Error Message `GLBP-5-PRIORITY: Interface [chars] grp [dec]: [chars] gateway priority changed to [dec]`

Explanation The Gateway Load Balancing Protocol gateway has changed priority.

Recommended Action No action is required

Error Message `GLBP-5-STANDBY_CHANGE: Interface [chars] grp [dec]: Standby gateway is [chars]`

Explanation The Gateway Load Balancing Protocol has changed standby gateway.

Recommended Action No action is required

Error Message `GLBP-5-TIMER: Interface [chars] grp [dec]: [chars] timer changed to [chars]`

Explanation The Gateway Load Balancing Protocol gateway has learnt timers.

Recommended Action No action is required

Error Message `GLBP-5-VIPLEARN: Interface [chars] grp [dec]: learnt virtual ip address [chars]`

Explanation The Gateway Load Balancing Protocol gateway has learnt virtual IP address.

Recommended Action No action is required

Error Message `GLBP-5-VIPUNLEARN: Interface [chars] grp [dec]: unlearnt virtual ip address [chars]`

Explanation The Gateway Load Balancing Protocol gateway has unlearnt virtual IP address.

Recommended Action No action is required

Error Message `GLBP-5-WEIGHTING: Interface [chars] grp [dec]: weighting changed to [dec]`

Explanation The Gateway Load Balancing Protocol gateway has changed the weighting.

Recommended Action No action is required

HSRP_ENGINE Messages

This section contains the HSRP_ENGINE messages.

HSRP_ENGINE-2

Error Message `HSRP_ENGINE-2-VRF_SHUTDOWN: VRF [chars] has been shut down however HSRP interfaces have VRF [chars] membership. HSRP Groups will fail to apply the configuration on subsequent ascii reload with VRF [chars] in shutdown state.`

Explanation The VRF has been shut down, and HSRP groups are present in that vrf. Upon reloading the device and applying ascii config, the configuration will not be applied. For the configuration to go through, VRF needs to be moved out of shutdown state or User removes the VRF membership for the HSRP interface .Also any subsequent addition or modification to the HSRP configuration under the shutdown vrf will fail. This is not applicable for the other forms of reloads or system switchover.

Recommended Action User need to removes the VRF membership of the shutdown vrf from the HSRP interfaces before reloading the device. Otherwise after reload the HSRP configuration will perform the retry after reload.

HSRP_ENGINE-3

Error Message `HSRP_ENGINE-3-BFD_GLOBAL_SESSION_REMOVAL_ERROR: Failed to remove all the HSRP-BFD sessions(Ox[hex] Ox[hex]), Refer logs`

Explanation Refer logs for more details

Recommended Action No action is required.

Error Message `HSRP_ENGINE-3-BFD_IF_SESSION_REMOVAL_ERROR: Failed to remove few HSRP-BFD sessions(Ox[hex] Ox[hex]), Refer logs`

Explanation Refer logs for more details.

Recommended Action No action is required.

Error Message `HSRP_ENGINE-3-BFD_SESSION_ADD_ERROR: Failed to add few HSRP-BFD sessions(0x[hex] 0x[hex]), Refer logs`

Explanation TRefer logs for more details.

Recommended Action No action is required.

Error Message `HSRP_ENGINE-3-BFD_SESSION_CREATION_ERROR: Failed to create BFD session information(0x[hex] 0x[hex]), Refer logs`

Explanation Refer logs for more details.

Recommended Action No action is required.

Error Message `HSRP_ENGINE-3-BFD_SESSION_REMOVAL_ERROR: Failed to remove few HSRP-BFD sessions(0x[hex] 0x[hex]), Refer logs`

Explanation Refer logs for more details.

Recommended Action No action is required.

Error Message `HSRP_ENGINE-3-BUNDLE_ASID_REG_FAIL: Switch-id:[dec] DRAP registration failed for bundle:[dec].`

Explanation DRAP registration failure

Recommended Action No action is required.

Error Message `HSRP_ENGINE-3-BUNDLE_LPSS_FAIL: LPSS [chars] for bundle:[dec] failed.`

Explanation Libanycast ADD/DEL is failing

Recommended Action No action is required.

Error Message `HSRP_ENGINE-3-BUNDLE_VLAN_DOWN: Vlan [dec] DOWN for Bundle [dec], Traffic for group [dec] will be lost on this node.`

Explanation If any of the Vlan for the bundle goes down, then bundle remains UP untill the last Vlan of the bundle also goes down, this results into traffic loss for Vlans which are down but bundle is UP.

Recommended Action User can shut the bundle on this node, so that all traffic coming to this node can be switched to other anycast nodes

Error Message `HSRP_ENGINE-3-ERROR_IN_ADD_VIP_TO_U6RIB: Failed to Add VIP [chars] to U6RIB (errno 0x[hex]), Refer logs`

Explanation Refer logs for more details.

Recommended Action No action is required.

Error Message `HSRP_ENGINE-3-ERROR_IN_DEL_VIP_FROM_U6RIB: Failed to delete VIP [chars] from U6RIB (errno 0x[hex]), Refer logs`

Explanation Refer logs for more details.

Recommended Action No action is required.

Error Message `HSRP_ENGINE-3-MASTER_CFG_UNNUMBERED: Interface [chars] has been moved as Unnumbered, for Master Hsrp Ipv4 grp [dec] traffic will be dropped`

Explanation MASTER HSRP group configs are not supported on an unnumbered interface

Recommended Action No action is required.

Error Message `HSRP_ENGINE-3-NOSOCKET: Unable to open socket`

Explanation The system was unable to initialize an IP connection for the Hot Standby protocol.

Recommended Action Make sure that there is at least one interface configured to run IP.

Error Message `HSRP_ENGINE-3-VIP_ADD_FAILED1: Falied to retain Address on interface [chars] Grp [dec] address [chars] is already assigned to, or overlaps with, an address on interface [chars] address removed.`

Explanation The HSRP virtual IP address cannot be reapplied as as it is already assigned to, or overlaps with, an address on another interface or application.

Recommended Action Verify that the reported IP address is not present on the device/vdc in the same vrf. If its not present, collect show tech-support netstack detail and show tech-support hsrp.

Error Message `HSRP_ENGINE-3-VIP_ADD_FAILED2: Falied to retain Address on interface [chars] Grp [dec] address [chars] is already assigned to, or overlaps with, an address on another interface or application address removed.`

Explanation The HSRP virtual IP address cannot be reapplied as as it is already assigned to, or overlaps with, an address on another interface or application.

Recommended Action Verify that the reported IP address is not present on the device/vdc in the same vrf. If its not present, collect show tech-support netstack detail and show tech-support hsrp.

HSRP_ENGINE-4

Error Message `HSRP_ENGINE-4-BADAUTH2: Bad authentication from [chars]`

Explanation Two routers participating in HSRP disagree on the valid authentication string.

Recommended Action Use the HSRP authentication command to repair the HSRP authentication discrepancy between the local system and the one whose IP address is reported.

Error Message `HSRP_ENGINE-4-BADAUTH: Bad authentication from [chars], group [dec], remote state [chars]`

Explanation Two routers participating in HSRP disagree on the valid authentication string.

Recommended Action Use the HSRP authentication command to repair the HSRP authentication discrepancy between the local system and the one whose IP address is reported.

Error Message `HSRP_ENGINE-4-BUNDLE_GROUP_NOTEXIST: Group [dec] not found on Intf [chars] for Bundle [dec], Traffic for this group will be lost on this node.`

Explanation If any of the groups for the bundle are missing due to misconfig and the bundle is UP, this results into traffic loss for groups which are not configured.

Recommended Action User need to configure the missing groups for the bundle on this node

Error Message `HSRP_ENGINE-4-DIFFVIP1: [chars] Grp [dec] active routers virtual IP address [chars] is different to the locally configured address [chars]`

Explanation The HSRP virtual IP address contained in the Hello message from the Active router is different to that configured locally.

Recommended Action Check the configuration on all HSRP routers.

Error Message `HSRP_ENGINE-4-DUPADDR: Duplicate address [ipaddr] on [chars], sourced by [ipaddr]`

Explanation The IP address in an HSRP message received on the interface is the same as the router's own IP address. This may be because of misconfiugration, or because of a malfunctioning switch

Recommended Action Check the configurations on all the HSRP routers, and make sure that any switches you have are functioning properly.

Error Message `HSRP_ENGINE-4-DUPVIP1: [chars] Grp [dec] address [chars] is already assigned to a HSRP group on this interface`

Explanation The HSRP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to a different HSRP group.

Recommended Action Check the configuration on all HSRP routers.

Error Message `HSRP_ENGINE-4-DUPVIP2: [chars] Grp [dec] address [chars] is already assigned on this interface`

Explanation The HSRP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to this interface.

Recommended Action Check the configuration on all HSRP routers.

Error Message `HSRP_ENGINE-4-DUPVIP3: [chars] Grp [dec] address [chars] is already assigned to, or overlaps with, an address on another interface or application`

Explanation The HSRP virtual IP address contained in the Hello message cannot be learnt as it is already assigned to, or overlaps with, an address on another interface or application.

Recommended Action Check the configuration on all HSRP routers.

HSRP_ENGINE-5

Error Message `HSRP_ENGINE-5-ACTIVEROUTERPRIORITY: Interface [chars] [chars] Grp [dec] Active router priority changed to [dec]`

Explanation The priority of the Active router for the group has changed.

Recommended Action No action is required.

Error Message `HSRP_ENGINE-5-ACTIVE_CHANGE: Interface [chars] [chars] Grp [dec] Active router is [chars]`

Explanation The Active router for the group has changed.

Recommended Action No action is required.

Error Message `HSRP_ENGINE-5-AUTOCONFIG_VIPLEARN: Interface [chars] grp [dec] learnt autoconfig virtual ip address [chars]`

Explanation The local router has generate virtual ip address

Recommended Action No action is required.

Error Message `HSRP_ENGINE-5-BUNDLE_DOWN_REASON: Cannot bringup bundle <[dec]:[chars]>, Reason: [chars]`

Explanation Display the reason why bundle is down

Recommended Action Address the reason why the bundle is down

Error Message `HSRP_ENGINE-5-BUNDLE_STATE_CHANGE: Bundle State change from: [chars] To: [chars].`

Explanation Bundle State change

Recommended Action No action is required.

Error Message `HSRP_ENGINE-5-GRPSTATECHANGE: Interface [chars] [chars] Grp [dec] state changed from [chars] to [chars] reason [chars]`

Explanation The HSRP router has changed state

Recommended Action No action is required.

Error Message `HSRP_ENGINE-5-MACADDRESS_CHANGE: Interface [chars] [chars] Grp [dec] mac-address changed to [chars]`

Explanation The mac address of the group has changed.

Recommended Action No action is required.

Error Message `HSRP_ENGINE-5-MASTER_NAME_CHNGD: Master Name conflict for grp [dec], using default`

Explanation Name conflict between two master, later will fallback to default

Recommended Action No action is required.

Error Message `HSRP_ENGINE-5-PRIORITY: Interface [chars] [chars] Grp [dec] priority changed to [dec]`

Explanation The current priority of the HSRP group has changed.

Recommended Action No action is required.

Error Message `HSRP_ENGINE-5-STANDBYROUTERPRIORITYCHANGE: Interface [chars] [chars] Grp [dec] Standby router priority changed to [dec]`

Explanation The priority of the Standby router for the group has changed.

Recommended Action No action is required.

Error Message `HSRP_ENGINE-5-STANDBY_CHANGE: Interface [chars] [chars] Grp [dec] Standby router is [chars]`

Explanation The Standby router for the group has changed.

Recommended Action No action is required.

Error Message `HSRP_ENGINE-5-TIMER: Interface [chars] [chars] Grp [dec] [chars] timer changed to [dec] [chars]`

Explanation The hello/hold timer value for the HSRP group has changed

Recommended Action No action is required.

Error Message `HSRP_ENGINE-5-VIPLEARN: Interface [chars] [chars] Grp [dec] learnt virtual ip address [chars]`

Explanation The local router has learnt virtual ip address from the incoming HSRP packet.

Recommended Action No action is required.

HSRP_ENGINE-6

Error Message `HSRP_ENGINE-6-STATECHANGE2: [chars] [chars] Grp [dec] state moving from [chars]`

Explanation The router has changed state

Recommended Action No action is required.

Error Message `HSRP_ENGINE-6-STATECHANGE: [chars] [chars] Grp [dec] state move to [chars]`

Explanation The router has changed state

Recommended Action No action is required.

IKE Messages

This section contains the IKE messages.

IKE-3

Error Message `IKE-3-CRYPTO_INIT_ERROR: IKEv2 crypto init error: [chars]`

Explanation Crypto initialization error

Recommended Action No action is required.

Error Message `IKE-3-ENABLE_ERROR: Unable to store enable flag in configuration (error-id 0x[hex]).`

Explanation Service failed to store the enable flag in configuration. As a result, it will exit

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `IKE-3-FIPS_MODE_ERROR: Could not set FIPS mode`

Explanation The FIPS mode could not be set by IKE

Recommended Action No action is required.

Error Message `IKE-3-IKE_PROGRAM_EXIT: [chars]`

Explanation IKE process did an abnormal exit

Recommended Action No action is required.

Error Message `IKE-3-MAX_HALF_CONN_LIMIT_REACHED: IKEv1 : Exceeded the limit for number of half open Phase 1 connections`

Explanation The number of half open connections has exceeded the maximum limit

Recommended Action No action is required.

Error Message `IKE-3-PHASE1_NEGOTIATION_FAILED: IKEv1: Phase 1 negotiation failed for peer [chars]`

Explanation IKE policy negotiation failed for peer [chars].

Recommended Action No action is required.

Error Message `IKE-3-PHASE1_PROPOSAL_MISMATCH: IKEv1: No matching phase 1 proposal found for peer [chars]`

Explanation There is a IKE policy mismatch for the peer.

Recommended Action No action is required.

Error Message `IKE-3-PHASE2_NEGOTIATION_FAILED: IKEv1: Phase 2 negotiation failed for peer [chars]`

Explanation IPsec policy negotiation failed for peer [chars].

Recommended Action No action is required.

Error Message `IKE-3-PHASE2_PROPOSAL_MISMATCH: IKEv1: No matching phase 2 proposal found for peer [chars]`

Explanation There is a IPsec policy mismatch for the peer.

Recommended Action No action is required.

Error Message `IKE-3-UNSUPPORTED_EXCHANGE: IKEv1: Unsupported exchange [dec] received from [chars]`

Explanation A unsupported IKE exchange type [digits] was received from [chars]

Recommended Action No action is required.

IKE-4

Error Message `IKE-4-INVALID_PAYLOAD_APPEAR: IKEv2 received message (from [chars]) with payload ([chars]) appeared in [chars]([chars])`

Explanation Received a payload in an inappropriate exchange

Recommended Action No action is required.

Error Message `IKE-4-MESSAGE_ERROR: IKEv2 message (from [chars]) message error: [chars]`

Explanation Received a malformed message which doesn't adhere to the protocol

Recommended Action No action is required.

Error Message `IKE-4-PARSING_ERROR: IKEv2 message (from [chars]) parsing error: [chars]`

Explanation Received a malformed message which can not be parsed appropriately

Recommended Action No action is required.

Error Message `IKE-4-UNKNOWN_PAYLOAD: IKEv2 received message (from [chars]) with un-recognized payload ([chars])`

Explanation Received an invalid payload

Recommended Action No action is required.

Error Message `IKE-4-UNSUPPORT: [chars] is not supported (message from [chars])`

Explanation Received something unsupported

Recommended Action No action is required.

IKE-6

Error Message `IKE-6-POLL_START_DONE: IKE is exiting since it is not enabled`

Explanation IKE is exiting since it is not enabled in the configuration

Recommended Action No action is required.

IMAGE_DNLD Messages

This section contains the IMAGE_DNLD messages.

IMAGE_DNLD-SLOT#-2

Error Message `IMAGE_DNLD-SLOT#-2-ADDON_IMG_DNLD_FAILED: Module image download process failed. [chars]`

Explanation Addon image download to module failed. This module is not operational until an addon image has been successfully installed.

Recommended Action Verify the location and version of your module image. Use the install module cli command to download a new module image.

Error Message `IMAGE_DNLD-SLOT#-2-IMG_DNLD_COMPLETE: Module image download process. [chars]`

Explanation Image download completed. Module image is being installed.

Recommended Action No action is required.

Error Message `IMAGE_DNLD-SLOT#-2-IMG_DNLD_FAILED: Module image download process. [chars]`

Explanation Image download failed. Module may be inoperable.

Recommended Action Use show module cli command to verify the state of this module. Retry image download with install module cli command.

Error Message `IMAGE_DNLD-SLOT#-2-IMG_DNLD_FILE_SYSTEM_CHECK_ERROR: File System check failed: [chars]`

Explanation File system consistency check failed

Recommended Action File-system repair is needed using fsck

Error Message `IMAGE_DNLD-SLOT#-2-IMG_DNLD_STARTED: Module image download process. [chars]`

Explanation Image download started. Module image downloads are non-disruptive to module operation.

Recommended Action No action is required.

IMAGE_DNLD-SLOT#-4

Error Message `IMAGE_DNLD-SLOT#-4-IMG_DNLD_FILE_SYSTEM_RECREATION: [chars]. Partition was erased and successfully recreated.`

Explanation File system checking and recreation if necessary for \/images\.

Recommended Action No action is required.

IMAGE_DNLD-SLOT#-5

Error Message `IMAGE_DNLD-SLOT#-5-ADDON_IMG_DNLD_COMPLETE: Addon module image download process completed. [chars]`

Explanation Addon image download to module has completed.The module should now be installing this new image.

Recommended Action This message is informational only.

Error Message `IMAGE_DNLD-SLOT#-5-ADDON_IMG_DNLD_STARTED: Addon module image download process started. [chars]`

Explanation Addon image download to module has started. This is a disruptive download and this module will be inoperable until this download process is complete.

Recommended Action This message is informational only.

Error Message `IMAGE_DNLD-SLOT#-5-ADDON_IMG_DNLD_SUCCESSFUL: Addon module image download and install process successful. [chars]`

Explanation Addon image download and install to module is successful.

Recommended Action Use the show module cli command to verify the module's operational status.

IMP Messages

This section contains the IMP messages.

IMP-5

Error Message `IMP-5-IMP_DISABLED: IMP Disabled`

Explanation IMP Service Disabled

Recommended Action No action is required.

Error Message `IMP-5-IMP_ENABLED: IMP Enabled`

Explanation IMP Service nabled

Recommended Action No action is required.

IM Messages

This section contains the IM messages.

IM-3

Error Message `IM-3-IM_IF_FEATURE_BIND_FAILURE: Interface feature bind failed [chars]`

Explanation Interface feature bind failed, so applications in that feature set may not behave correctly.

Recommended Action No action is required.

Error Message `IM-3-IM_LC_OFFLINE_ERROR: LC Offline could not be sent to vdc:[dec]`

Explanation LC Offline was not relayed to some vdc, so applications may not behave correctly.

Recommended Action No action is required.

Error Message `IM-3-IM_RESP_ERROR: Component [chars] opcode:[chars] in vdc:[dec] returned error:[chars]`

Explanation Some component returned an error.

Recommended Action No action is required.

Error Message `IM-3-IM_SEQ_ERROR: Error ([chars]) while communicating with component [chars] opcode:[chars] (for:[chars])`

Explanation Some component did not respond to a request in stipulated time.

Recommended Action No action is required.

IM-5

Error Message `IM-5-IM_DEMUX_ERROR: [chars]`

Explanation Demux function returned error

Recommended Action No action is required.

Error Message `IM-5-IM_INTERNAL_ERROR: [chars]`

Explanation Internal error occurred

Recommended Action No action is required.

Error Message `IM-5-IM_MGMT_INTF_STATE: [chars] [chars]`

Explanation Management interface state changed.

Recommended Action No action is required.

Error Message `IM-5-IM_UNKNOWN_INTERFACE: [chars]`

Explanation Interface is not supported or not found

Recommended Action No action is required.

INTERFACE_VLAN Messages

This section contains the INTERFACE_VLAN messages.

INTERFACE_VLAN-4

Error Message `INTERFACE_VLAN-4-SVI_IF_CONFIG_DELETED_NOTIF_DELAYED_DROPPED: Interface VLAN Delete Notification Not Processed on Time by SAP [dec] ([chars])`

Explanation This SAP took long time in processing Interface VLAN delete notification and caused timeout

Recommended Action No action is required.

Error Message `INTERFACE_VLAN-4-SVI_IF_CONFIG_REMOVED_NOTIF_DELAYED_DROPPED: Interface VLAN Remove Notification Not Processed on Time by SAP [dec] ([chars])`

Explanation This SAP took long time in processing Interface VLAN remove notification and caused timeout

Recommended Action No action is required.

Error Message `INTERFACE_VLAN-4-SVI_VLAN_DOES_NOT_EXIST: Vlan [dec] does not exist`

Explanation Vlan not created before assignment

Recommended Action Interface-vlan

Error Message `INTERFACE_VLAN-4-SVI_WARN_SVI_UP_IN_NON_ROUTABLE_VDC: Interface VLAN [dec] is being kept up in non-routable VDC. Reason: management configuration enabled. Please disable all the routing protocols`

Explanation Keeping Interface VLAN up in non-routable VDC may cause potenital traffic blackhole

Recommended Action No action is required.

INTERFACE_VLAN-5

Error Message `INTERFACE_VLAN-5-IF_DOWN_ADMIN_DOWN: Interface [chars] is down(Administratively Down)`

Explanation Interface has been configured to be administratively down

Recommended Action No action is required.

Error Message `INTERFACE_VLAN-5-IF_DOWN_ERROR_DISABLED: Interface [chars] is down. Reason [dec]`

Explanation The interface encountered an error while configuring it

Recommended Action No action is required.

Error Message `INTERFACE_VLAN-5-IF_DOWN_INACTIVE: Interface [chars] is down (Inactive)`

Explanation Interface VLAN has been suspended or deleted

Recommended Action No action is required.

Error Message `INTERFACE_VLAN-5-SVI_DISABLED: SVI Disabled`

Explanation SVI Service Disabled

Recommended Action No action is required.

Error Message `INTERFACE_VLAN-5-SVI_ENABLED: SVI Enabled`

Explanation SVI Service Enabled

Recommended Action No action is required.

Error Message `INTERFACE_VLAN-5-SVI_GET_MAC_FAILED: Failed to acquire MAC address for SVI 0x[hex]`

Explanation SVI failed to acquire MAC address

Recommended Action No action is required.

Error Message `INTERFACE_VLAN-5-SVI_INIT: SVI intialization failed with error 0x[hex]`

Explanation SVI initialziation error

Recommended Action No action is required.

Error Message `INTERFACE_VLAN-5-SVI_IOD_RELEASE_ERROR_RESPONSE: IM failed to release SVI IOD error 0x[hex]`

Explanation IM failed to release SVI IOD

Recommended Action No action is required.

Error Message `INTERFACE_VLAN-5-SVI_MTS_SEND_FAILURE: MTS send failure for opcode [dec], error 0x[hex]`

Explanation SVI encountered an error in with MTS message

Recommended Action No action is required.

Error Message `INTERFACE_VLAN-5-SVI_MTS_TIME_OUT: MTS send timed out for rrtoken 0x[hex], vlans [chars]`

Explanation SVI did not recieve response for mts message

Recommended Action No action is required.

Error Message `INTERFACE_VLAN-5-SVI_RSRVD_VLAN_FAILED: Failed to get list of reserved vlans 0x[hex]`

Explanation SVI failed to get the list reserved vlans

Recommended Action No action is required.

Error Message `INTERFACE_VLAN-5-SVI_SDB_UPDATE_FAILED: sdb update failed with ret_val [dec]`

Explanation SDB updated failed for SVI

Recommended Action No action is required.

Error Message `INTERFACE_VLAN-5-SVI_SEC_VLAN_FAILED: Failed to get list of secondary vlans 0x[hex]`

Explanation SVI failed to get the list of secondary vlans

Recommended Action No action is required.

Error Message `INTERFACE_VLAN-5-UPDOWN: Line Protocol on Interface [chars], changed state to [chars]`

Explanation Line protocol status changed for an interface

Recommended Action No action is required.

IOA_LC Messages

This section contains the IOA_LC messages.

IOA_LC-5

Error Message `IOA_LC-5-IOA_DISABLED: IOA Disabled`

Explanation IOA Service Disabled

Recommended Action No action is required.

Error Message `IOA_LC-5-IOA_ENABLED: IOA Enabled`

Explanation IOA Service nabled

Recommended Action No action is required.

IPFIB Messages

This section contains the IPFIB messages.

IPFIB-2

Error Message `IPFIB-2-FIB_HW_ECMP_ADJ_CREATE_FAILURE: ECMP hardware programming failed.`

Explanation Programming of ECMP adjacency in hardware failed. Programming only one next-hop.

Recommended Action No action is required.

Error Message `IPFIB-2-FIB_HW_ECMP_AUTO_RECOVERY_COMPLETE: ECMP auto recovery completed. [dec] v4 and [dec] v6 routes recovered.`

Explanation ECMP auto recovery process completed.

Recommended Action No action is required.

Error Message `IPFIB-2-FIB_HW_ECMP_AUTO_RECOVERY_PARTIAL_COMPLETE: ECMP auto recovery partially completed. [dec] v4 and [dec] v6 routes recovered.`

Explanation ECMP auto recovery process completed. Routes were recovered partially

Recommended Action No action is required.

Error Message `IPFIB-2-FIB_HW_ECMP_AUTO_RECOVERY_START: ECMP auto recovery start.`

Explanation ECMP auto recovery process started.

Recommended Action No action is required.

Error Message `IPFIB-2-FIB_WEIGHTED_ROUTES_NOT_SUPPORTED: Weighted Routes are not supported in Resilient Mode. Disable using CLI:"no hardware profile ecmp resilient"`

Explanation Weighted Routes are not supported in Resilient Mode.

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-ESI_DF_ALT_MCIDX_PREALLOC_FAILED: ESI Designated Forwarder Alt MCIdx Pre-allocation failed! Please reduce Multicast Scale and reload the device`

Explanation ESI DF Alt MCIdx Pre-allocation failure

Recommended Action Please reduce Multicast Scale and reload the device

Error Message `IPFIB-SLOT#-2-IPFIB_IPSG_TAHOE_TCAM_SIZE_BELOW_FULL: Tcam resource is available in IPSG tcam region[[dec]/[dec]].`

Explanation Can add new TCAM entries. tcam resource is available.

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-IPFIB_IPSG_TAHOE_TCAM_SIZE_BELOW_THRESHOLD: IPSG tcam region's usage has been below its threshold [dec]% [[dec]/[dec]].`

Explanation Less than 90 percent of entries are used in TCAM IPSG region

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-IPFIB_IPSG_TAHOE_TCAM_SIZE_FULL: No resource available in IPSG tcam region[[dec]/[dec]].IPSG tcam is full.`

Explanation Cannot add new TCAM entries. All entries are used.

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-IPFIB_IPSG_TAHOE_TCAM_SIZE_OVER_THRESHOLD: IPSG tcam region's usage has reached its threshold [dec]% [[dec]/[dec]].`

Explanation More than 90 percent of entries are used in TCAM IPSG region

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-IPFIB_IPSG_TCAM_SIZE_BELOW_FULL: Tcam resource is available in IPSG tcam region[[dec]/[dec]] on instance [dec] of Slot [dec].`

Explanation Can add new TCAM entries. tcam resource is available.

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-IPFIB_IPSG_TCAM_SIZE_BELOW_THRESHOLD: IPSG tcam region's usage has been below its threshold [dec]% [[dec]/[dec]] on instance [dec] of Slot [dec]`

Explanation Less than 90 percet of entries are used in TCAM IPSG region

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-IPFIB_IPSG_TCAM_SIZE_FULL: No resource available in IPSG tcam region[[dec]/[dec]] on instance [dec] of Slot [dec].IPSG tcam is full.`

Explanation Cannot add new TCAM entries. All entries are used.

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-IPFIB_IPSG_TCAM_SIZE_OVER_THRESHOLD: IPSG tcam region's usage has reached its threshold [dec]% [[dec]/[dec]] on instance [dec] of Slot [dec]`

Explanation More than 90 percet of entries are used in TCAM IPSG region

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-IPFIB_IPSG_TCAM_SIZE_ZERO: IPSG tcam region is not configured. Please configure IPSG TCAM region and retry`

Explanation Cannot add TCAM entries. IPSG TCAM region is not configured.

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-IPFIB_IP_FIRST_HOP_TCAM_SIZE_FULL: No resource available in First Hop tcam region. First Hop for [chars]/[dec] can't be created.`

Explanation Cannot add new TCAM entries. All entries are used.

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-IPFIB_IP_LAST_HOP_TCAM_SIZE_FULL: No resource available in Last`

Hop tcam region. Last Hop for group [chars] can't be created.

Explanation Cannot add new TCAM entries. All entries are used.

Recommended Action No action is required.

Error Message IPFIB-SLOT#-2-LFIB_MAX_LABEL_STACK_LIMIT_REACHED: Max Label count exceeded, truncating the label stack

Explanation Max limit for number of labels in the stack exceeded hence pruning extra labels.

Recommended Action No action is required.

Error Message IPFIB-SLOT#-2-MCIDX_RESOURCE_EXHAUSION: Mcidx is exhausted on this LC.

Explanation Mcidx Exhaustion detected

Recommended Action No action is required.

Error Message IPFIB-SLOT#-2-MFIB_BIDIR_GENERIC_ERROR: Unexpected confition verified. [chars] . Please collect mifib logs

Explanation Generic bidir error

Recommended Action No action is required.

Error Message IPFIB-SLOT#-2-MFIB_BIDIR_NOT_SUPPORTED: BiDir is not yet supported. Ignoring multicast route ([chars]/[dec]).

Explanation BiDir is not yet supported.

Recommended Action No action is required.

Error Message IPFIB-SLOT#-2-MFIB_EGR_NAT_INVALID_INTF: Service Intf [chars] not available, Impacted translation flow: [chars]

Explanation Service interface is invalid in case of egress NAT

Recommended Action No action is required.

Error Message IPFIB-SLOT#-2-MFIB_EGR_NAT_TCAM_SIZE_FULL: Mcast-NAT TCAM exhausted for egress multicast routes. Please increase mcast-nat TCAM size if possible (allowed-max 2048) or reduce the number of egress NAT rules. [chars]

Explanation Num of maximum NAT ACL TCAM for egress mcast routes exceeded

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-MFIB_EGR_NAT_TCAM_SIZE_THRESHOLD: Warning: Mcast-NAT TCAM usage is about to reach the maximum. Adding egress NAT rules further could lead to TCAM exhaustion.`

Explanation Num of maximum NAT ACL TCAM for egress mcast routes is close to exhaustion

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-MFIB_MAX_BIDIR_GRP_RANGE_REACHED: Num of BiDir group ranges installed [dec] has reached maximum Bidir group range limit. Please correct the Bidir config to be within limit`

Explanation Num of maximum Bidir group ranges supported exceeded

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-MFIB_MAX_BIDIR_ROUTES_REACHED_EXPAND: Num of BiDir routes installed exceeded max allowed [dec] while expanding ([chars]/[dec]). Please correct the Bidir config to be within limit`

Explanation Num of maximum Bidir routes supported exceeded

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-MFIB_MAX_BIDIR_ROUTES_REACHED: Num of BiDir routes installed exceeded max allowed [dec] . Please correct the Bidir config to be within limit`

Explanation Num of maximum Bidir routes supported exceeded

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-MFIB_NAT_REDIRECT_IDX_EXCEEDED: Mcast-NAT redirect indexes for egress NAT rules exhausted. Please limit the total number of unique static-oif interfaces for egress NAT rules to 2048`

Explanation Mcast-NAT redirect indexes for egress NAT rules exhausted

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-MFIB_NAT_TCAM_NOT_CARVED: Mcast-NAT TCAM region has not been carved. Please use 'hardware access-list tcam region mcast-nat ' command to configure NAT TCAM`

Explanation NAT ACL TCAM not carved for ingress and egress mcast NAT routes

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-MFIB_NAT_TCAM_PGM_FAILURE: Error: One or more Mcast-NAT translation(s) have experienced a TCAM programming failure. The first of these is: ([chars], [chars]) -> ([chars], [chars]). It is possible this is a result of ACL resource exhaustion.`

Explanation Mcast-NAT ACL or TCAM programming failure

Recommended Action Reduce Mcast-NAT translation scale

Error Message `IPFIB-SLOT#-2-MFIB_NAT_TCAM_SIZE_FULL: Mcast-NAT TCAM exhausted for ingress/egress multicast routes. Please increase mcast-nat TCAM size if possible (allowed-max 2048) or reduce the number of NAT rules.`

Explanation Num of maximum NAT ACL TCAM for ingress and egress mcast routes exceeded

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-MFIB_NON_SSM_TO_SSM_CONV: Converting Routes from Non-SSM to SSM. Please run "clear ip mroute *".`

Explanation Converting Routes from Non-SSM to SSM. Clear all routes

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-MFIB_SSM_TO_BIDIR_CONV: Converting Routes from SSM to Bidir. Please run "clear ip mroute *".`

Explanation Converting Routes from SSM to Bidir. Clear all routes

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-MFIB_UNSUPPORTED_BIDIR_GROUP_AS_DROP_RT: Incorrect bidir group range learnt/configured on the system([chars]/[dec]). 224/4 cannot be configured as bidir grp range. Please change your config accordingly for forwarding to work properly`

Explanation Received drop route as bidir group range

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-MFIB_UNSUPPORTED_BIDIR_GROUP_RANGE: Incorrect bidir group range learnt/configured on the system([chars]/[dec]). The shortest supported mask for bidir group ranges on this platform is /[dec]. Please change your config accordingly for forwarding to work properly`

Explanation Received bidir group range with mask too short

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-MFIB_UNSUPPORTED_VMCT_IR_MCAST_MIXED_MODE: This platform does not support Ingress Replication and Multicast mixed mode with Virtual-peerlink. Please un-configure either IR or Multicast underlay`

Explanation IR or Multicast underlay traffic to VPCs will not work correctly

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-PROACTIVE_CC_NULL_NH: Received Null CC NH info from U6RIB for route [chars]/[dec]`

Explanation Received Null CC NH info from U6RIB for route

Recommended Action Collect U6RIB and UFIB Show Tech support

Error Message `IPFIB-SLOT#-2-TAH_MFIB_GET_BD_MCINFO_FAILED: Get interface property failed for Egress nat Service interface [chars]`

Explanation Get bd mcinfo failed for Enat Service interface.

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_MCINFO_TILE_DEPTH_EMPTY: MCINFO TILE DEPTH is empty`

Explanation MCINFO TILE DEPTH is empty.

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V4_GRP_CREATE: Multicast IPv4 (*,G) create failed for [chars]`

Explanation Multicast group creation failed

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V4_GRP_UPDATE: Multicast IPv4 (*,G) update failed for [chars]`

Explanation Multicast group update failed

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V4_INVALID_ARGUMENT: Multicast IPv4 invalid argument for (*,[chars])`

Explanation Multicast invalid argument

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V4_MCAST_DA_TCAM_FULL: Multicast DA TCAM resource exhaustion ([chars])`

Explanation Multicast DA TCAM FULL

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V4_MCAST_SA_TCAM_FULL: Multicast SA TCAM resource exhaustion ([chars])`

Explanation Multicast SA TCAM FULL

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V4_MCINFO_L2PTR: Multicast IPv4 get mcinfo l2ptr failed for ([chars],[chars])`

Explanation Multicast mcinfo l2ptr error

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V4_MCINFO_LOC: Multicast IPv4 mcinfo get location failed for ([chars],[chars])`

Explanation Multicast mcinfo get loc error

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V4_MCINFO_WRITE: Multicast IPv4 mcinfo programming failed for ([chars],[chars])`

Explanation Multicast mcinfo creation failed

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V4_SG_CREATE: Multicast IPv4 (S,G) create failed for ([chars],[chars])`

Explanation Multicast (S,G) creation failed

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V4_SG_PGM: Multicast IPv4 (S,G) programming failed for ([chars],[chars])`

Explanation Multicast (S,G) programming failed

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V4_SG_UPDATE: Multicast IPv4 (S,G) update failed for ([chars],[chars])`

Explanation Multicast (S,G) update failed

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V4_SRC_CREATE: Multicast IPv4 source create failed for [chars]/[dec]`

Explanation Multicast S/32 creation failed

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V4_TABLE_FULL: Multicast S/32 or G/32 create failed for ([chars],[chars]) due to hash collision`

Explanation Insert failed due to hash collision

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V4_TCAM_INVALID_INDEX: Multicast IPv4 invalid tcam index for (*,[chars])`

Explanation Multicast invalid tcam index

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V6_GRP_CREATE: Multicast IPv6 (*,G) create failed for [chars]`

Explanation Multicast group creation failed

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V6_GRP_UPDATE: Multicast IP64 (*,G) update failed for [chars]`

Explanation Multicast group update failed

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V6_INVALID_ARGUMENT: Multicast IPv6 invalid argument for (*,[chars])`

Explanation Multicast invalid argument

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V6_MCINFO_L2PTR: Multicast IPv6 get mcinfo l2ptr failed for ([chars],[chars])`

Explanation Multicast mcinfo l2ptr error

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V6_MCINFO_LOC: Multicast IPv6 mcinfo get location failed for ([chars],[chars])`

Explanation Multicast mcinfo get loc error

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V6_MCINFO_WRITE: Multicast IPv6 mcinfo programming failed for ([chars],[chars])`

Explanation Multicast mcinfo creation failed

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V6_SG_CREATE: Multicast IPv6 (S,G) create failed for ([chars],[chars])`

Explanation Multicast (S,G) creation failed

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V6_SG_PGM: Multicast IPv6 (S,G) programming failed for ([chars],[chars])`

Explanation Multicast (S,G) programming failed

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V6_SG_UPDATE: Multicast IPv6 (S,G) update failed for ([chars],[chars])`

Explanation Multicast (S,G) update failed

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V6_SRC_CREATE: Multicast IPv6 source create failed for [chars]/[dec]`

Explanation Multicast S/128 creation failed

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V6_TABLE_FULL: Multicast S/128 or G/128 create failed for ([chars],[chars]) due to hash collision`

Explanation Insert failed due to hash collision

Recommended Action No action is required.

Error Message `IPFIB-SLOT#-2-TAH_MFIB_V6_TCAM_INVALID_INDEX: Multicast IPv6 invalid tcam index for (*,[chars])`

Explanation Multicast invalid tcam index

Recommended Action No action is required.

IPFIB-SLOT#-4

Error Message `IPFIB-SLOT#-4-TUNNEL_UNDERLAY_MAX_PATH_EXCEEDED: Number of tunnel underlay paths [dec] exceeds max limit, using first [dec] paths`

Explanation Number of tunnel underlay paths exceeds the maximum limit supported, hence tunnel underlay uses first availablel maximum path supported

Recommended Action Please reduce the number of paths towards tunnel destination

IPQOSMGR Messages

This section contains the IPQOSMGR messages.

IPQOSMGR-2

Error Message `IPQOSMGR-2-QOSMGR_DCBXP_PFC_CMP_FAIL_MSG: [chars] - qos config [chars] not compatible with the peer`

Explanation Port_id [chars] has qos config [chars] which is incompatible with the peer.

Recommended Action No action is required.

Error Message `IPQOSMGR-2-QOSMGR_FCOE_POLICY_NOT_REMOVED: Policy [chars] is attached to interfaces. Hence not removed.`

Explanation Policy is not removed as service policy referenced it

Recommended Action No action is required.

Error Message `IPQOSMGR-2-QOSMGR_HA_FAILURE: Failed to do high availability operation: [chars].`

Explanation Failed to do high availability operation. [chars] is the reason.

Recommended Action No action is required.

Error Message `IPQOSMGR-2-QOSMGR_INIT_FAILED: Initialization failed for QoS Manager: [chars], reason: 0x[hex].`

Explanation Initialization failed for QoS Manager due to [chars], reason: [hex].

Recommended Action No action is required.

Error Message `IPQOSMGR-2-QOSMGR_LLFC_APPLY_FAILURE_BUFFER_FULL: Unable to apply flow-control configuraiton on interface: [chars] due to \'[chars]\'. Please manually remove the configuration`

Explanation Failed to apply flow-control configuration on Port_id [chars] due to error [chars]

Recommended Action Manually delete flow-control configuration on the port to keep the config accurate

Error Message `IPQOSMGR-2-QOSMGR_LLFC_APPLY_FAILURE: Unable to apply flow-control configuraiton on interface: [chars] due to \'[chars]\'.`

Explanation Failed to apply flow-control configuration on Port_id [chars] due to error [chars]

Recommended Action No action is required.

Error Message `IPQOSMGR-2-QOSMGR_MTS_FAILURE: Failed to do MTS operation: [chars].`

Explanation Failed to do MTS operation. [chars] is the reason.

Recommended Action No action is required.

Error Message `IPQOSMGR-2-QOSMGR_MTS_REGISTRATION_FAILED: MTS options setting to [hex] failed for opCode: [dec].`

Explanation MTS options setting to [hex] failed for opCode: [dec].

Recommended Action No action is required.

Error Message `IPQOSMGR-2-QOSMGR_NETWORK_QOS_POLICY_CHANGE: Policy [chars] is now active`

Explanation [chars] is the new active network-qos policy

Recommended Action No action is required.

Error Message `IPQOSMGR-2-QOSMGR_PSS_FAILURE: Failed to do PSS operation: [chars], reason: 0x[hex].`

Explanation Failed to do PSS operation [chars]. [hex] is the reason.

Recommended Action No action is required.

Error Message `IPQOSMGR-2-QOSMGR_PSS_VER_FAIL: PSS file [chars] has version [dec].[dec].[dec], expected version [dec].[dec].[dec].`

Explanation There was a mismatch in the PSS version. [chars] indicates the PSS service, [dec].[dec].[dec] its current version number and [dec].[dec].[dec] the expected version.

Recommended Action No action is required.

IPQOSMGR-3

Error Message `IPQOSMGR-3-QOSMGR_CONFIG_ERROR: Configuration error: [chars].`

Explanation Configuration error. [chars] is the reason.

Recommended Action No action is required.

Error Message `IPQOSMGR-3-QOSMGR_NVDC_PFF_ERROR: PPF verify/commit failed in vdc [dec] error: 0x[hex] for global qos command`

Explanation For global qos command, PPF verify/commit failed in vdc [dec] with reason [hex].

Recommended Action No action is required.

Error Message `IPQOSMGR-3-QOSMGR_PPF_ERROR: PPF library error: [chars].`

Explanation PPF library errors. [chars] is the reason.

Recommended Action No action is required.

IPQOSMGR-4

Error Message `IPQOSMGR-4-QOSMGR_ING_QUEUING_DCBX_WARNING: Input direction queuing config is being allowed for FCoE/DCBX exchange but will not be applied.`

Explanation Input direction Queuing config is unsupported on N9K but config is being allowed for DCBX compatibility with peer.

Recommended Action No action is required.

Error Message `IPQOSMGR-4-QOSMGR_LC_ERROR_MSG: Linecard [dec] returned an error: [chars]`

Explanation Linecard [dec] returned an error message which is reported as [chars].

Recommended Action No action is required.

Error Message `IPQOSMGR-4-QOSMGR_POLICIES_PRESENT_ON_DELETED_VLANS: Some VLANs (id: [chars]) which are getting deleted now are still having qos service-policy attached. These policies will be effective only when the VLANs get created again.`

Explanation VLAN(s) [chars] is(are) getting deleted now. This is an informationsl message to notify that qos service-policies are present when the vlan is deleted. If the service-policies are not needed, please detach them from the vlans

Recommended Action No action is required.

Error Message `IPQOSMGR-4-QOSMGR_PPF_WARNING: PPF library warning: [chars].`

Explanation PPF library warning. [chars] is the reason.

Recommended Action No action is required.

Error Message `IPQOSMGR-4-QOSMGR_WARNING_MSG: [chars] [dec]`

Explanation QOSMGR warning messages is reported as [chars] [dec].

Recommended Action No action is required.

IPQOSMGR-5

Error Message `IPQOSMGR-5-QOSMGR_FCOE_COS_CHANGE: FCoE CoS value changed from [dec] to [dec]`

Explanation FCoE CoS value changed

Recommended Action No action is required.

Error Message `IPQOSMGR-5-QOSMGR_LC_STAT_SESSION_ERROR_MSG: Linecard [dec] returned the following error for [chars] session: [chars].`

Explanation Linecard [dec] returned an error message for session of type [chars] which is reported as [chars]. This message may be seen during linecard reload if there is an active session going on.

Recommended Action No action is required.

IPQOSMGR-6

Error Message `IPQOSMGR-6-QOSMGR_DCBXP_CMP_FAIL_MSG: [chars] - qos config [chars] not compatible with the peer`

Explanation Dcbxp warning: Port_id [chars] has qos config [chars] which is incompatible with the peer.

Recommended Action No action is required.

Error Message `IPQOSMGR-6-QOSMGR_INFO: QOSMGR Info: [chars].`

Explanation QOSMGR info is reported as [chars].

Recommended Action No action is required.

Error Message `IPQOSMGR-6-QOSMGR_STATUS: QOSMGR Status: [chars].`

Explanation QOSMGR status is reported as [chars].

Recommended Action No action is required.

IPSEC Messages

This section contains the IPSEC messages.

IPSEC-2

Error Message `IPSEC-2-IPSEC_INIT: IPSec initialization of [chars] [chars]`

Explanation IPSec initialization failed

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `IPSEC-2-IPSEC_SPD_OVERFLOW_DUE_TO_ACL: SPD Overflow on interface due to IP ACL [chars] bound to crypto map [chars] [dec]`

Explanation Modifying IP ACL caused Security Policy Database on the interface to overflow, IP ACL filter not applied to security policy database

Recommended Action Undo IP ACL change

IPSEC-3

Error Message `IPSEC-3-14_2_MODULE_PACKETS_DROPPED: [chars]: packets were dropped in the module`

Explanation Packets dropped in the 14/2 module. Please collect drop statistics using \show ipsec internal crypto-acc interface gigabit stats\

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `IPSEC-3-IPSEC_FIPS_TEST_FAILED: IPSEC FIPS compliance test failed`

Explanation IPSEC FIPS compliance test failed

Recommended Action No action is required.

Error Message `IPSEC-3-IPSEC_MSG_SEND_FAILURE: failed to send [chars] to sap [dec]: [chars]`

Explanation Failed to send a message

Recommended Action No action is required.

IPSEC-5

Error Message `IPSEC-5-IPSEC_CMS_IF_ACL_UPDATED: IP ACL [chars] updated while Crypto map [chars] [dec] bound to interface(s)`

Explanation IP ACL updated while it is mapped to a crypto map that is bound to interface(s)

Recommended Action No action is required.

Error Message `IPSEC-5-IPSEC_DISABLED_LIC_EXPIRED: IPSec Disabled due to License Expiry`

Explanation IPSec Disabled due to License Expiry

Recommended Action No action is required.

Error Message `IPSEC-5-IPSEC_DISABLED: IPSec Disabled`

Explanation IPSec Disabled

Recommended Action No action is required.

Error Message `IPSEC-5-IPSEC_ENABLED: IPSec Enabled`

Explanation IPSec Enabled

Recommended Action No action is required.

Error Message `IPSEC-5-IPSEC_SA_CREATED: [chars]: IPSec SA created: local_ip: [chars], peer_ip: [chars], [chars] SPI: [dec] (0x[hex])`

Explanation IPSec SA created

Recommended Action No action is required.

Error Message `IPSEC-5-IPSEC_SA_DELETED: [chars]: IPSec SA deleted: local_ip: [chars], peer_ip: [chars], [chars] SPI: [dec] (0x[hex]), reason: [chars]`

Explanation IPSec SA deleted

Recommended Action No action is required.

Error Message `IPSEC-5-IPSEC_SA_REKEYED: [chars]: IPSec SA rekeyed: local_ip: [chars], peer_ip: [chars], [chars] SPI: [dec] (0x[hex])`

Explanation IPSec SA rekeyed

Recommended Action No action is required.

Error Message `IPSEC-5-IPSEC_TUNNEL_CREATED: [chars]: IPSec tunnel created: local_ip: [chars], peer_ip: [chars], id: [dec], protocol: [chars], traffic:: local: [chars]/[chars], port: [chars],`

remote: [chars]/[chars], ports: [chars]

Explanation IPSec tunnel created

Recommended Action No action is required.

Error Message IPSEC-5-IPSEC_TUNNEL_DELETED: [chars]: IPSec tunnel deleted: local_ip: [chars], peer_ip: [chars], id: [dec], protocol: [chars], traffic:: local: [chars]/[chars], ports: [chars] remote: [chars]/[chars], ports: [chars]

Explanation IPSec tunnel deleted

Recommended Action No action is required.

Error Message IPSEC-5-IPSEC_TUNNEL_REKEYED: [chars]: IPSec tunnel rekeyed: local_ip: [chars], peer_ip: [chars], id: [dec], protocol: [chars] traffic:: local: [chars]/[chars], ports: [chars] remote: [chars]/[chars], ports: [chars]

Explanation IPSec tunnel rekeyed

Recommended Action No action is required.

IPV6 Messages

This section contains the IPV6 messages.

IPV6-2

Error Message IPV6-2-ALLOC_MEMORY: Memory allocation failed

Explanation The IP Configuration Manager failed to allocate a block of dynamic memory.

Recommended Action No action is required.

IPV6-3

Error Message IPV6-3-FILE_WRITE_FAILED: Writing to file [chars] failed - error: [chars]

Explanation Writing to a file failed probably due to no space.

Recommended Action Ipv6

Error Message `IPV6-3-INIT_FAILED: Initialization failed. Component [chars]`

Explanation The service failed to start. The failure occurred while initializing the component [chars].

Recommended Action Show processes to check the status of the other processes, debug the specified component.

IPV6-4

Error Message `IPV6-4-DAD_FAILED_EVENT: Duplicate address detection failed for [chars] on [chars]`

Explanation Duplicate address detection for IP address failed.

Recommended Action Ipv6

IPV6-6

Error Message `IPV6-6-CONFIG_EVENT: IP Configuration Msg: [chars]`

Explanation Configuration message that needs to be logged.

Recommended Action No action is required.

Error Message `IPV6-6-INTERFACE_DELETED: The interface [chars] has been deleted`

Explanation The specified interface has been deleted. The service will delete all the configuration on that interface.

Recommended Action No action is required.

Error Message `IPV6-6-INTERFACE_EVENT: IP address [chars] [chars] on interface [chars]`

Explanation The IP address [chars] has been successfully [chars] on the interface [chars].

Recommended Action No action is required.

Error Message `IPV6-6-ROUTE_NOT_ACTIVE: The [chars] is not active`

Explanation The specified route is successfully configured but currently is not active.

Recommended Action Check that the route is correct and the outgoing interface is operationally up.

Error Message `IPV6-6-STARTING: IP configuration Manager started`

Explanation The IP Configuration Manager service has successfully started.

Recommended Action No action is required.

IP Messages

This section contains the IP messages.

IP-1

Error Message `IP-1-DHCP_CLIENT_FAILED: dhcp-client failed to get the ip address`

Explanation Dhcp-client failed to get the ip from server, probably due to server lease unavailability or cable disconnectivity .

Recommended Action Ip

IP-2

Error Message `IP-2-ALLOC_MEMORY: Memory allocation failed`

Explanation The IP Configuration Manager failed to allocate a block of dynamic memory.

Recommended Action No action is required.

IP-3

Error Message `IP-3-FILE_WRITE_FAILED: Writing to file [chars] failed - error: [chars]`

Explanation Writing to a file failed probably due to no space.

Recommended Action Ip

Error Message `IP-3-INIT_FAILED: Initialization failed. Component [chars]`

Explanation The service failed to start. The failure occurred while initializing the component [chars].

Recommended Action Show processes to check the status of the other processes, debug the specified component.

IP-4

Error Message `IP-4-DAD_FAILED_EVENT: Duplicate address detected for [chars] on [chars]`

Explanation Duplicate address detected for IP address.

Recommended Action Ip

IP-6

Error Message `IP-6-CONFIG_EVENT: IP Configuration Msg: [chars]`

Explanation Configuration message that needs to be logged.

Recommended Action No action is required.

Error Message `IP-6-DHCP_CLIENT_SUCCESS: dhcp_client got ip address:[chars],netmask:[chars] for mgmt interface,got from server:[chars]`

Explanation Dhcp-client is able to get the ip address from server,

Recommended Action No action is required.

Error Message `IP-6-INTERFACE_DELETED: The interface [chars] has been deleted`

Explanation The specified interface has been deleted. The service will delete all the configuration on that interface.

Recommended Action No action is required.

Error Message `IP-6-INTERFACE_EVENT: IP address [chars] [chars] on interface [chars]`

Explanation The IP address [chars] has been successfully [chars] on the interface [chars].

Recommended Action No action is required.

Error Message `IP-6-ROUTE_NOT_ACTIVE: The [chars] is not active`

Explanation The specified route is successfully configured but currently is not active.

Recommended Action Check that the route is correct and the outgoing interface is operationally up.

Error Message `IP-6-STARTING: IP configuration Manager started`

Explanation The IP Configuration Manager service has successfully started.

Recommended Action No action is required.

ISCM Messages

This section contains the ISCM messages.

ISCM-2

Error Message `ISCM-2-APBR_CORRUPT: RISE APBR: in Corrupt State, RS IP: [chars], port: [dec], Proto: [dec], nhop IP: [chars], slot ID: [dec], vlan: [dec]. Reason: [chars].`

Explanation RMAP | ACL cannot be completely deleted.

Recommended Action Use show commands to identify and manually delete the corresponding ACL sequence #, and delete the rmap if empty. Then use 'clear system internal iscm apbr corrupt'.

Error Message `ISCM-2-DISCOVERY_CHANNEL_DOWN: service '[chars]' is down (slot id [dec]), Reason: [chars]`

Explanation See reason string in the error message with the following possibilities: 1. Error in bootstrap/health-monitoring response. 2. Timed out while waiting for bootstrap/health-monitoring response. 3. Failed to send bootstrap/health-monitorying message. 4. Control VLAN interface is not operational. 5. RISE interface [chars] is not operational. 6. RISE interface [chars] does not have control VLAN [dec] as trunk member. 7. Control VLAN ([dec]) interface does not have valid IP. 8. RISE port channel po [dec] has no member ports. 9. Failed to send vlan-group. 10. RISE IP [chars] is already assigned to another service, slot id [dec].

Recommended Action Take corrective action per the reason

Error Message `ISCM-2-ITD_BUCKET_COUNT_EXCEEDS_LIMIT: Cannot perform the action -ITD failaction reassign/ configure- Service=[chars], from node=[dec], to node=[dec]: total number of buckets exceed limit of [dec] per node`

Explanation Number of buckets assigned to a node cannot exceed 32.

Recommended Action Fix node failure to recoved bucket reassignment

Error Message `ISCM-2-ITD_LICENSE_EXPIRED_DISABLE: ITD License: license grace-period expired. Please install ENHANCED_LAYER2_PKG.`

Explanation License or grace-period has expired.

Recommended Action Take steps to renew license. Feature will be disabled.

Error Message `ISCM-2-ITD_LICENSE_EXPIRED_HONOR: ITD License: license grace-period expired. Feature will work in honor mode. Please install NETWORK_SERVICES_PKG.`

Explanation License or grace-period has expired.

Recommended Action Take steps to renew license. Feature will work in honor mode.

Error Message `ISCM-2-ITD_LICENSE_MISSING_DISABLE: Feature ITD license missing: ENHANCED_LAYER2_PKG`

Explanation License does not exist when attempting to enable ITD feature.

Recommended Action Acquire license or grace-period permission.

Error Message `ISCM-2-ITD_LICENSE_MISSING_HONOR: Feature ITD license missing: Feature will work in honor mode. Please install NETWORK_SERVICES_PKG.`

Explanation License does not exist when attempting to enable ITD feature. Feature will work in honor mode.

Recommended Action Acquire license or grace-period permission. Feature will work in honor mode.

Error Message `ISCM-2-LICENSE_EXPIRED_DISABLE: RISE License: license grace-period expired. Please install ENHANCED_LAYER2_PKG.`

Explanation License or grace-period has expired.

Recommended Action Take steps to renew license. Feature will be disabled.

Error Message `ISCM-2-LICENSE_EXPIRED_HONOR: License expired for ITD. Feature will run in honor mode. Please install NETWORK_SERVICES_PKG.`

Explanation License or grace-period has expired.

Recommended Action Take steps to renew license. License will work in honor mode.

Error Message `ISCM-2-LICENSE_MISSING_COPY_RS: RISE license missing: ENHANCED_LAYER2_PKG. Removing RISE config.`

Explanation RISE license missing after NXOS version upgrade. Previous version ran RISE without a license.

Recommended Action Acquire license or grace-period permission.

Error Message `ISCM-2-LICENSE_MISSING_DISABLE: RISE license missing: ENHANCED_LAYER2_PKG`

Explanation License does not exist when attempting to enable RISE feature.

Recommended Action Acquire license or grace-period permission.

Error Message `ISCM-2-LICENSE_MISSING_HONOR: License missing for ITD. Feature will run in honor mode.Please install NETWORK_SERVICES_PKG.`

Explanation License does not exist when attempting to enable RISE feature. License will work in honor mode.

Recommended Action Acquire license or grace-period permission. License will work in honor mode.

Error Message `ISCM-2-LICENSE_MISSING_ISSU_DISABLE: RISE license missing: ENHANCED_LAYER2_PKG. Removing RISE config.`

Explanation RISE license missing after ISSU. Previous version ran RISE without a license.

Recommended Action Acquire license or grace-period permission.

Error Message `ISCM-2-LICENSE_MISSING_ISSU_HONOR: License missing for ITD: License will work in honor mode. Please install NETWORK_SERVICES_PKG.License.`

Explanation License missing after ISSU. Previous version ran RISE without a license. License will work in honor mode.

Recommended Action Acquire license or grace-period permission. License will work in honor mode.

Error Message `ISCM-2-RISE_LICENSE_MISSING_DISABLE: Feature RISE license missing: ENHANCED_LAYER2_PKG`

Explanation License does not exist when attempting to enable RISE feature.

Recommended Action Acquire license or grace-period permission.

Error Message `ISCM-2-RISE_LICENSE_MISSING_HONOR: Feature RISE license missing: NETWORK_SERVICES_PKG. Feature will work in honor mode.`

Explanation License does not exist when attempting to enable RISE feature. Feature will work in honor mode.

Recommended Action Acquire license or grace-period permission. Feature will work in honor mode.

ISCM-3

Error Message `ISCM-3-APBR_ACLMGR_ERROR: RISE APBR: ACL was not [chars], apbr payload: [chars].`

Explanation Acl was not created/deleted.

Recommended Action Check TCAM resource limit, and the sys admin.

Error Message `ISCM-3-APBR_INGRESS_INT_NOT_FOUND: RISE APBR: can't find the ingress interface for RS IP: [chars].`

Explanation 7K cannot find a route to the real server.

Recommended Action Check real server network reachablity in the current switch.

Error Message `ISCM-3-APBR_PURGE_ERROR: RISE APBR: Purge failure, slot id: [dec].`

Explanation PBR entries for RISE cannot be deleted cleanly.

Recommended Action Manually delete pbr entries.

Error Message `ISCM-3-APBR_RPM_ERROR: RISE APBR: RPM returns internal error, rpm resp msg: [chars], apbr payload: [chars].`

Explanation Rmap step was not completed.

Recommended Action Check TCAM resource limit, or rmap collision on the same interface, and the sys admin.

Error Message `ISCM-3-ITD_HW_RESOURCE: One or more ITD services have failed in hardware programming due to hardware resources being insufficient or unavailable. Please shut the ITD services, modify the configuration and hardware resources as needed and unshut the services.`

Explanation ITD service has encountered failure in hardware programming due to insufficient or unavailable hardware resources. See ISCM errors to identify failures and affected policies or access-lists.

Recommended Action Please shut the affected services, modify the configuration and hardware resource provisioning to ensure sufficient resources are available and unshut the services.

Error Message `ISCM-3-NOT_ENOUGH_TRACKS: Not enough tracks for service [chars]`

Explanation Maximum Track limit for ITD (512) has been hit, not enough tracks available for service. Node states being used by the services cannot be successfully tracked and fail-action may not take effect as desired.

Recommended Action Ensure there are sufficient tracks available in the system. After that, please disable and re-enable the affected service.

Error Message `ISCM-3-RHI_ROUTE_ISSUE: RISE RHI: slot [dec] route [chars] cannot be [chars]. Reason:[chars].`

Explanation URIB dropped this RHI request. See reason string with the following possibilities: 1. SVI for data vlan [dec] does not exist. 2. SVI for data vlan [dec] is down. 3. urib issues.

Recommended Action Take corrective action per the reason.

ISCM-4

Error Message `ISCM-4-APBR_MAX_LIMIT: RISE APBR: Reached max apbr entries [dec] per RISE. slot id: [dec].`

Explanation PBR entries for RISE cannot be deleted cleanly.

Recommended Action Manually delete pbr entries.

Error Message `ISCM-4-APBR_PBR_DISABLED: RISE APBR: feature PBR Disabled.`

Explanation APBR will not function correctly without pbr feature.

Recommended Action Manually enable pbr feature.

Error Message `ISCM-4-ISSU_PRE_UPGRADE_ABORT: RISE ISSU: pre-upgrade abort message received, [chars].`

Explanation Check the syslogs and install errors to identify reason for abort.

Recommended Action Re-attempt the upgrade after changing any configuration as needed.

Error Message `ISCM-4-ISSU_UNEXPECTED_SLOT_MSG: RISE ISSU: unexpected msg from slot [dec], opcode: [dec].`

Explanation Application should not send msg during ISSU. iSCM will ignore.

Recommended Action No action is required.

Error Message `ISCM-4-ITD_ACE_BUCKET_CHANGE: ITD service [chars] with user access-list [chars] has ACE sequence [dec] incompatible with the buckets required. Bucket count may be modified internally to [dec] for this ACE.`

Explanation ITD service with user access-list has one or more aces with subnet configuration that is incompatible with required or configured bucket count. See ISCM errors for more details.

Recommended Action Please disable the service,modify the ACE subnet to ensure required bucket

granularity is maintained and re-enable the service.

Error Message `ISCM-4-ITD_ACE_PREFIX_MISSING: Access-list [chars] used with one or more ITD services has ACE sequence [dec] with [chars] subnet or prefix information missing and will be handled internally as 'any'.`

Explanation ITD service with user access-list has one or more aces with IP subnet or prefix information missing for source or destination and will be handled internally to match 'any'.

Recommended Action Please correctly specify source and destination address/prefix or specify as 'any'.

Error Message `ISCM-4-LICENSE_EXPIRING_DISABLE: RISE License: ENHANCED_LAYER2_PKG license expires in [dec] days [dec] hours [chars]econds.`

Explanation License or grace-period expiration warning.

Recommended Action Take steps to renew license. Prepare for feature disable.

Error Message `ISCM-4-LICENSE_EXPIRING_HONOR: RISE License: NETWORK_SERVICES_PKG license expires in [dec] days [dec] hours [chars]econds.`

Explanation License or grace-period expiration warning.

Recommended Action Take steps to renew license. License will work in honor mode.

ISCM-5

Error Message `ISCM-5-ITD_AUTO_GENERATE: ITD auto generates ACL, route-map configurations. Do not modify or remove the auto generated configurations.`

Explanation Auto generated configurations are part of show running, not hidden. User should not modify or delete

Recommended Action Please shut the ITD service, to remove the auto generated configurations

Error Message `ISCM-5-ITD_NODE_STATE_CHANGE: ITD node [chars] in device-group [chars] with track [dec] has [chars].`

Explanation ITD node in specified device-group has changed operational states.

Recommended Action No action is required.

Error Message `ISCM-5-ITD_ST_NODE_STATE_CHANGE: ITD standby/hot-standby node [chars] in device-group [chars] with track [dec] has [chars].`

Explanation ITD node-level standby or hot-standby in specified device-group has changed operational states.

Recommended Action No action is required.

Error Message `ISCM-5-ITD_SVC_BRINGUP_BEGIN: ITD service restoration has started.`

Explanation ITD is restoring and activating enabled services after a system event. User may experience delays until this is completed.

Recommended Action Please wait for the services to be restored before attempting to make any modifications

Error Message `ISCM-5-NAM_CLI_ISSUE_CARD_ID: Module [dec] card type is NOT NAM!`

Explanation See the reason.

Recommended Action Check show module to see which module is NAM.

Error Message `ISCM-5-NAM_CLI_ISSUE_SC_ONLINE: Module [dec] not in SC_ONLINE`

Explanation See the reason.

Recommended Action Check show module to see if app state is OK.

Error Message `ISCM-5-NAM_CLI_ISSUE_SVC: Service cannot be found for the given module [dec]`

Explanation See the reason.

Recommended Action Check the module using show service nam summary.

Error Message `ISCM-5-TRANSPORT_ISSUE: RISE Transport: slot [dec] failed to send, reason : [chars].`

Explanation See the reason.

Recommended Action Check the network connectivity and the appliance status.

ISNS Messages

This section contains the ISNS messages.

ISNS-2

Error Message `ISNS-2-ISNS_CFS_OPERATION_FAILED: iSNS CFS [chars] failed`

Explanation ISNS CFS operation failed

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `ISNS-2-ISNS_INIT: iSNS initialization of [chars] [chars]`

Explanation ISNS initialization failed

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

KIM Messages

This section contains the KIM messages.

KIM-2

Error Message `KIM-2-CC_RUN_STATUS: [chars]: [chars]`

Explanation A consistency-checker run has finished. The status of the run is provided by this syslog.

Recommended Action No action is required.

Error Message `KIM-2-KIM_BIND_MOUNT_FAILED: Bind mount of /proc/self/ns/net from pid [dec] for namespace [chars] failed with errno [dec] ([chars])`

Explanation NS bind mount failed

Recommended Action No action is required.

Error Message `KIM-2-KIM_GET_LNX_IFINDEX_FAILED: Failed to get linux ifindex for interface [chars] (ifindex [dec]). err: [dec] errno: [dec] (sock: [dec])`

Explanation Get of linux ifindex failed

Recommended Action No action is required.

Error Message `KIM-2-KIM_GET_RSVD_VLAN_FAILED: Failed to get the reserved vlan range`

Explanation Get of reserved vlan range failed

Recommended Action No action is required.

Error Message `KIM-2-KIM_MOUNT_BIND_FAILED: mount --bind of [chars] failed with errno: [dec] ([chars])`

Explanation Mount bind failed

Recommended Action No action is required.

Error Message `KIM-2-KIM_MOUNT_SHARED_FAILED: mount --make-shared of [chars] failed with errno: [dec] ([chars])`

Explanation Mount shared failed

Recommended Action No action is required.

Error Message `KIM-2-KIM_NS_CREATE_FAILED: Failed to create a new network namespace "[chars]". errno: [dec] ([chars])`

Explanation Namespace creation failed

Recommended Action No action is required.

Error Message `KIM-2-KIM_NS_FILE_NOT_PRESENT: Namespace file [chars] doesn't exist. access returned errno: [dec] ([chars])`

Explanation NS file not present

Recommended Action No action is required.

Error Message `KIM-2-KIM_NS_OPEN_FAILED: Open of [chars] failed with errno: [dec] ([chars])`

Explanation NS file open failed

Recommended Action No action is required.

Error Message `KIM-2-KIM_UNLINK_NETNS_FAILED: Unlink of namespace file [chars] from pid [dec] failed with errno: [dec] ([chars])`

Explanation NS unlink failed

Recommended Action No action is required.

L2FMC Messages

This section contains the L2FMC messages.

L2FMC-SLOT#-0

Error Message `L2FMC-SLOT#-0-L2FMC_CLI_INIT_FAILED: CLI library initialization failed!`

Explanation L2FMC failed to initialize CLI infrastructure\'s backend library. This is a fatal error.

Recommended Action No action is required.

Error Message `L2FMC-SLOT#-0-L2FMC_TIMER_INIT_FAILED: Timer subsystem initialization failed!`

Explanation L2FMC failed to initialize timer library. This is a fatal error.

Recommended Action No action is required.

L2FMC-SLOT#-2

Error Message `L2FMC-SLOT#-2-L2FMC_MEM_ALLOC: Memory allocation failed. [chars]`

Explanation Memory allocation failed. This is a critical failure

Recommended Action No action is required.

Error Message `L2FMC-SLOT#-2-L2FMC_VLAN_NOT_FOUND: VLAN [dec] not found in L2FMC database!`

Explanation L2FMC failed to find VLAN [dec] in its database. L2 MAC learning & aging on VLAN [dec] may be affected.

Recommended Action No action is required.

L2FMC-SLOT#-5

Error Message `L2FMC-SLOT#-5-L2FMC_GLBL_AGE_CONFIG_FAIL: Global age value configuration to [dec] seconds failed!`

Explanation L2FMC failed to configure global default age to [dec] seconds.

Recommended Action No action is required.

Error Message `L2FMC-SLOT#-5-L2FMC_VLAN_AGE_CONFIG_FAIL: VLAN Age configuration to [dec] seconds failed!`

Explanation L2FMC failed to configure age for VLAN [dec] to [dec] seconds.

Recommended Action No action is required.

L2FMC-SLOT#-6

Error Message `L2FMC-SLOT#-6-L2FMC_GLBL_AGE_CONFIGURED: Global age value configured to [dec] seconds.`

Explanation L2FMC has successfully configured global default age to [dec] seconds.

Recommended Action No action is required.

Error Message `L2FMC-SLOT#-6-L2FMC_INITIALIZED: Internal state created [chars]`

Explanation L2FMC has created its internal state stateless/stateful [chars].

Recommended Action No action is required.

Error Message `L2FMC-SLOT#-6-L2FMC_VDC_CREATED: VDC [dec] created`

Explanation Request to create VDC [dec] in L2FMC was successful.

Recommended Action No action is required.

Error Message `L2FMC-SLOT#-6-L2FMC_VDC_REMOVED: VDC [dec] Removed`

Explanation L2FMC has successfully removed VDC [dec] from its databases.

Recommended Action No action is required.

Error Message `L2FMC-SLOT#-6-L2FMC_VDC_VLAN_CREATED: VLAN [dec] created`

Explanation L2FMC has added VLAN [dec].

Recommended Action No action is required.

Error Message `L2FMC-SLOT#-6-L2FMC_VDC_VLAN_REMOVED: VLAN [dec] removed from VDC [dec]`

Explanation L2FMC has successfully removed VLAN [dec] from VDC [dec].

Recommended Action No action is required.

Error Message `L2FMC-SLOT#-6-L2FMC_VLAN_AGE_CONFIGURED: Age configured for VLAN [dec] to [dec]`

seconds.

Explanation L2FMC has successfully configured age for VLAN [dec] to [dec] seconds.

Recommended Action No action is required.

L2FM Messages

This section contains the L2FM messages.

L2FM-0

Error Message `L2FM-0-L2FM_CLI_INITIALIZATION_FAILED: CLI library initialization failed!`

Explanation Failed to initialize CLI infrastructure\'s backend library. This is a fatal error.

Recommended Action No action is required.

Error Message `L2FM-0-L2FM_VDC_GWMAC_GET_FAILED: Failed to get gwmac for VDC`

Explanation Failed to get gwmac for VDC.

Recommended Action No action is required.

Error Message `L2FM-0-L2FM_WRITE_TO_PSS_FAILED_IN_PREVIOUS_INCARNATION: PSS Write Failed in pervious incarnation. Stateful restart not possible`

Explanation PSS Write Failed in pervious incarnation. Stateful restart not possible

Recommended Action No action is required.

L2FM-1

Error Message `L2FM-1-L2FM_CRDCFG_ERROR: Card config has returned error [hex] for slot [dec]`

Explanation L2fm queried Card config for slot info and it has returned error. The slot may not have been added correctly

Recommended Action No action is required.

Error Message `L2FM-1-L2FM_LINE_FULL_CONDITION_STRING: Error: [hex] Failed to insert MAC due to line full condition [chars]`

Explanation Unable to insert the MAC as hardware lines are full

Recommended Action No action is required.

Error Message `L2FM-1-L2FM_LINE_FULL_CONDITION: Error: [hex] Failed to insert MAC in slot [dec] due to line full condition`

Explanation Unable to insert the MAC as hardware lines are full

Recommended Action No action is required.

Error Message `L2FM-1-L2FM_MAX_NUM_CONFIGURABLE_MACS_EXCEEDED: Error: Configurable MACs exceeded [dec] so cannot program.[chars][chars]`

Explanation Cannot program more than 16 user configured MACs

Recommended Action No action is required.

Error Message `L2FM-1-L2FM_ORIB_SENDS_INCORRECT_IFIDX: Incorrect ifidx received from Orib. Please check mac [chars] vlan [dec]`

Explanation L2fm has received a mac insert/delete from Orib with incorrect ifidx. Please check otv mac entries

Recommended Action No action is required.

Error Message `L2FM-1-L2FM_OWNER_NOT_FOUND: Error : fe owner not found for mac entry [chars] in age notif sent from slot = [dec], fe = [dec]`

Explanation L2fm has received an age notification from the linecard but does not have the mac owner in its database

Recommended Action No action is required.

Error Message `L2FM-1-L2FM_SDB_NOT_FLUSHED: Error : [dec] mac entries have not flushed from l2fm sdb`

Explanation Due to an internal error l2fm has not written mac entries to its sdb

Recommended Action No action is required.

Error Message `L2FM-1-L2FM_SMAC_DUP_FOUND: Duplicate static mac found in secondary vlan. P-VLAN:[dec] S-VLAN:[dec] MAC:[chars]`

Explanation Duplicate static mac found in secondary vlan. P-VLAN:[dec] S-VLAN:[dec] MAC:[chars]

Recommended Action No action is required.

Error Message `L2FM-1-L2FM_WRITE_TO_PSS_FAILED: Failed to write to PSS err [chars]`

Explanation Failed to write to PSS err [chars]

Recommended Action No action is required.

L2FM-2

Error Message `L2FM-2-CONSISTENCY_CHECK_L2: CC_L2: Consistency Check: [chars]`

Explanation Status of show consistency-checker l2 command

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_AGING_TIME_SET_FAILED: Failed to set age time [dec] for vlan [dec]`

Explanation Failed to set age time [dec] for vlan [dec].

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_CFS_OUT_OF_ORDER: Error: Received Message for STATIC MAC INSERT/DELETE as Out Of Order from vpc peer due to congestion. Please check mac programming for Router macs.Flap interface-vlans if necessary to correct the programming`

Explanation Messages over peer-link could be received out of order due to congestion

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_FAILED_DENY_MAC_ACL: Failed to install deny mac acl for IfIndex:[hex], rv:[hex]`

Explanation Failed to install deny mac acl for IfIndex:[hex], rv:[hex].

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_FAILED_PERMIT_ACL: Failed to install permit acl for IfIndex:[hex], MAC:[chars], rv:[hex]`

Explanation Failed to install permit acl for IfIndex:[hex], MAC:[chars], rv:[hex].

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_FAILED_PERMIT_NS_ACL: Failed to install permit ns acl for IfIndex:[hex], rv:[hex]`

Explanation Failed to install permit ns acl for IfIndex:[hex], rv:[hex].

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_GLBL_AGING_TIME_SET_FAILED: Failed to set global age time [dec]`

Explanation Failed to set global age time [dec]

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_GUARD_VPC_PEER_GW_DEPRECATE: \'mac address-table guard-vpc-peergw-mac\' CLI has been deprecated. Please bringup SVIs on both vPC switches to statically program peer\'s MAC address`

Explanation CLI has been deprecated from 7.0(3)I7(7) and 9.3(4) releases

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_GWMAC_30MAC_INS_FAILED: Error: [chars] mac install failed. Exhausted the 30 unique GW mac entries. Please delete an unused entry to add new entry.`

Explanation Resource exhaustion for user configured MACs

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_GWMAC_32MSB_INS_FAILED: Error: [chars] mac install failed. Exhausted the 16 unique MSBs GW mac entries. Please re-use an allocated one or delete an unused entry to add new entry.`

Explanation Resource exhaustion for user configured MACs

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_HASH_ENTRY_REMOVAL_FAILED: Hash entry ([hex]) removal failed, vlan [dec], mac [chars], hash index [dec]`

Explanation Hash entry removal failed. Please collect show tech-support l2fm and console logs

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_INVALID_PORT_NUM: Invalid port num [dec], max_ports [dec]`

Explanation Invalid port num. Please check the card config for this card and collect show tech-support l2fm

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_INVALID_SLOT_NUM: Invalid slot num [dec], max_slots [dec]`

Explanation Invalid slot num. Please check the card config for this card and collect show tech-support l2fm

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_CONF_INTFLIM_REACHED: L2 HW table reached its configured capacity - no further new MAC addresses can be installed. Disabling Mac Learn on Interface [chars]`

Explanation L2 HW table reached its conf capacity - no further new MACs addresses can be programmed on [string] - Macs will Flood

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_CONF_SYSLIM_REACHED_DROP: L2 HW table reached its configured capacity - no further MAC addresses can be installed. Disabling Mac Learn on SYSTEM with Drop Action`

Explanation L2 HW table reached its conf capacity - no further MAC addresses can be programmed - Macs will Drop

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_CONF_SYSLIM_REACHED: L2 HW table reached its configured capacity - no further MAC addresses can be installed. Disabling Mac Learn on SYSTEM`

Explanation L2 HW table reached its conf capacity - no further MAC addresses can be programmed - Macs will Flood

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_CONF_VLANLIM_REACHED_DROP: L2 HW table reached its configured capacity - no further MAC addresses can be installed. Disabling Mac Learn on VLAN [dec] with Drop Action`

Explanation L2 HW table reached its conf capacity - no further MAC addresses can be programmed - Macs will Drop

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_CONF_VLANLIM_REACHED: L2 HW table reached its configured capacity - no further MAC addresses can be installed. Disabling Mac Learn on VLAN [dec]`

Explanation L2 HW table reached its conf capacity - no further MAC addresses can be programmed on VLAN [dec] - Macs will Flood

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_FLAP_DISABLE_LEARN_N3K: Loops detected in the network for mac [chars] among ports [chars] and [chars] vlan [dec] - Disabling dynamic learning notifications for a period between 120 and 240 seconds on vlan [dec]`

Explanation System detected loops in the network - administration intervention may be required to avoid this problem in future

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_FLAP_DISABLE_LEARN: Disabling learning in vlan [dec] for [dec]s due to too many mac moves`

Explanation MAC(s) in vlan [dec] have moved too many times. Disabling learning for given number of seconds.

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_FLAP_RE_ENABLE_LEARN_N3K: Re-enabling dynamic learning on vlan [dec]`

Explanation Re enabling learning on all interfaces after disable period expired

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_FLAP_RE_ENABLE_LEARN: Re-enabling learning in vlan [dec]`

Explanation Re-enabling learning in vlan [dec] after hold timer.

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_HW_INSERT_FAILURE_REDUCED: Re-enabling Mac Learn`

Explanation Re-enabling Mac Learn, more space available after hw insert failure

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_HW_INSERT_FAILURE_RE_ENABLE: Re-enabling Mac Learn after [dec] seconds`

Explanation Re-enabling Mac Learn, [dec] seconds after hw insert failure

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_HW_INSERT_FAILURE: L2 HW table insert failure - no further MAC addresses can be installed. Disabling Mac Learn`

Explanation L2 HW table insert failure - no further MAC addresses could be programmed - Disabling Mac Learn until there is sufficient capacity

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_HW_LIMIT_REACHED: L2 HW table reached its capacity - no further MAC addresses can be installed. Disabling Mac Learn`

Explanation L2 HW table reached its capacity - no further MAC addresses could be programmed - Disabling Mac Learn until there is sufficient capacity

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_HW_LIMIT_REDUCED: Re-enabling Mac Learn`

Explanation Re-enabling Mac Learn as there is sufficient L2 HW capacity

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_LEARN_DISABLE_ON_VLAN: Dynamic MAC learn is [chars] on vlan [dec]. [chars] Please apply '[chars]mac-learn vlan [dec]' on the peer device also, if VPC is configured`

Explanation Dynamic MAC learn is disabled on vlan

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_LIMIT_ON_VLAN_DISABLE: Dynamic MAC learn limit reached on VLAN [dec], configured limit : [dec]`

Explanation Dynamic mac learn limit reached, futher mac learns will be ignored on the VLAN

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_LIMIT_REACHED: Unicast station table dynamic capacity reached (supported limit [dec])`

Explanation System station table reached its capacity - no further MAC addresses could be programmed - administration intervention may be required to avoid this problem in future

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_MOVE_PORT_DOWN: Loops detected in the network for mac [chars] among ports [chars] and [chars] vlan [dec] - Port [chars] Disabled on loop detection`

Explanation System detected loops in the network - administration intervention may be required to avoid this problem in future

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `L2FM-2-L2FM_MAC_WITHIN_CONF_SYSLIM_ENABLE: L2 HW table is within 90% configured capacity - Re-enabling SYSTEM flooding`

Explanation L2 HW table is within conf capacity - Re-enabling Mac flood

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MAC_WITHIN_CONF_VLANLIM_ENABLE: L2 HW table is within 90% configured capacity - Re-enabling VLAN [dec] flooding`

Explanation L2 HW table is within conf capacity - Re-enabling Mac flood

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MTS_BUILDUP_DEFAULT_PARAMETERS: MTS buildup in L2FM. Resetting mac move policy to default parameters`

Explanation MTS buildup in L2FM. Resetting mac move policy to default parameters

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_MTS_BUILDUP: MTS buildup in L2FM`

Explanation MTS buildup in L2FM

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_PEER_ID_INVALID: Invalid peer id, source [chars]`

Explanation Peer id is zero, which is invalid. Please collect show tech-support nve as well

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_PPF_FAILED: L2FM Policy failure: [chars]`

Explanation Policy operation failed in l2fm

Recommended Action No DDTS.

Error Message `L2FM-2-L2FM_SMAC_INS_FAILED_HW_VMAC: ERROR: Virtual MAC address usage has hit the hardware limit. No new Virtual MAC addresses can be added! Each interface can have only one virtual MAC address`

Explanation Failed to insert virtual mac

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_SMAC_INS_FAILED_VMAC: Virtual MAC address usage has hit the maximum limit of [dec]. No new Virtual MAC addresses can be added! VLAN:[dec] MAC:[chars] Interface:[chars] Slot:[dec]`

Explanation Failed to insert static mac for VLAN:[dec] MAC:[chars] Intf:[chars] Slot:[dec]

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_SMAC_INS_FAILED: Static mac insert failed!VLAN:[dec] MAC:[chars] IfIndex:[hex] Slot:[dec]`

Explanation Failed to insert static mac for VLAN:[dec] MAC:[chars] IfIndex:[hex] Slot:[dec]

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_UPDATE_LOST_HINTS: mac [hex]:[hex]:[hex]:[hex]:[hex]:[hex] updated by slot [dec] fe_index [dec], from [hex] to [hex], with [hex] new hints and loosing [hex] old_hints. stack trace: [chars]`

Explanation An update from MTM looks inconsistent with the previous state

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_VPC_FAST_CONVERGENCE_NOTIFICATION: vpc fast-convergence is not supported in this release`

Explanation Vpc fast-convergence is not supported in this release. It will be supported in future releases.

Recommended Action No action is required.

Error Message `L2FM-2-L2FM_VXLAN_MAC_MOVE_PORT_DOWN: Loops detected in the network for mac [chars] between NVE and [chars] on vlan [dec] - Port [chars] Disabled on loop detection`

Explanation System detected loops in the network - administration intervention may be required to avoid this problem in future

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

L2FM-3

Error Message `L2FM-3-L2FM_DOT1X_MAC_MOVE_DENY_CONFIGURED: Dot1x mac-move changed to deny from allow, please configure the same on peer switch as well(if in VPC topology)`

Explanation Please configure Dot1x mac move deny on peer vpc

Recommended Action No action is required.

Error Message `L2FM-3-L2FM_GET_VLAN_SEGMENT_ID_FAILED: Error: Get vlan_segment_id failed for vlan [dec], rc [chars], segment_id [dec]`

Explanation Failed to get the vlan_segment_id. Please collect show tech-support vlan as well

Recommended Action No action is required.

Error Message `L2FM-3-L2FM_NL_NOT_SUPPORT_ON_VXLAN_EXT_SNOOP_VLAN: VxLAN extended snooping VLAN [dec] and IF 0x[hex] MAC learning is not supported`

Explanation VxLAN extended snooping VLAN MAC learning is not supported - IF DAI is not enabled or IPSG is not enabled on interface

Recommended Action Check for the given vlan DAI is enabled and for interface IPSG is enabled

Error Message `L2FM-3-L2FM_PEER_ID_CREATE_REQUEST_FAILED: Error: Peer id create request failed for [chars], rc [chars], segment_id [dec]`

Explanation Peer id create request failed. Please collect show tech-support nve as well

Recommended Action No action is required.

Error Message `L2FM-3-L2FM_PEER_ID_DELETE_REQUEST_FAILED: Error: Peer id delete request failed for [chars], rc [chars], segment_id [dec]`

Explanation Peer id delete request failed. Please collect show tech-support nve as well

Recommended Action No action is required.

Error Message `L2FM-3-L2FM_STATIC_MAC_CONFLICT: Conflict with an existing Static Mac [chars] in`

vlan [dec] on [chars]

Explanation Mac [string] in vlan [dec] is configured on interface [string]

Recommended Action No action is required.

L2FM-4

Error Message L2FM-4-L2FM_CLI_CLEAR_MAC_WARNING: Clearing the mac address table may black-hole traffic on the l2 segments

Explanation There is a limitation where there is no mac-lookup after re-write which prevents any l2 flooding of routed traffic when the arp is valid and the mac is not in the bridge table

Recommended Action No action is required.

Error Message L2FM-4-L2FM_MAC_LEARN_DISABLE: Global mac learn is disabled

Explanation Global mac learn disable is being configured

Recommended Action No action is required.

Error Message L2FM-4-L2FM_MAC_LEARN_ENABLE: Global mac learn is enabled

Explanation Global mac learn disable is removed

Recommended Action No action is required.

Error Message L2FM-4-L2FM_MAC_LIMIT_ON_VLAN_NEAR: Dynamic MACs learnt on VLAN [dec] is [dec]% of the configured limit : [dec]

Explanation Dynamic MAC learn count is approaching the configured limit

Recommended Action No action is required.

Error Message L2FM-4-L2FM_MAC_MOVE2: Mac [chars] in vlan [dec] has moved from [chars] to [chars]

Explanation Mac [string] in vlan [dec] has moved between [string] and [string]

Recommended Action No action is required.

Error Message L2FM-4-L2FM_MAC_MOVE: Mac [chars] in vlan [dec] has moved from [chars] to [chars]

Explanation Mac [string] in vlan [dec] has moved from [string] to [string]

Recommended Action No action is required.

Error Message `L2FM-4-L2FM_MAC_PEER_SYNC_DB_FORCE_FLUSH: Force flush for stale vpc binding! Mac [chars] in vlan [dec] has moved from [chars]`

Explanation Mac [string] in vlan [dec] has moved from [string]

Recommended Action No action is required.

Error Message `L2FM-4-L2FM_MAC_PEER_SYNC_DB_STALE_RVTEP_ENTRY: Stale RVTEP binding for Mac [chars] in vlan [dec] from [chars]`

Explanation Mac [string] in vlan [dec] was moved from [string]

Recommended Action No action is required.

L2FM-5

Error Message `L2FM-5-L2FM_EXCESSIVE_DELAY: L2FM - Excessive Delay in handling opcode: [dec](rr:0x[hex]) ssap: [chars] - [dec] ms`

Explanation Excessive Delay in handling opcode

Recommended Action No action is required.

Error Message `L2FM-5-L2FM_MAC_CONF_REMOVED_INTF: The Mac Limit configuration is removed for Interface [chars]`

Explanation Since the Interface was removed - The Mac Limit configured on the Interface [string] is also removed

Recommended Action No action is required.

Error Message `L2FM-5-L2FM_MAC_CONF_REMOVED_VLAN: The Mac Limit configuration is removed for VLAN [dec]`

Explanation Since the Vlan was removed - The Mac Limit configured on the VLAN [dec] is also removed

Recommended Action No action is required.

Error Message `L2FM-5-L2FM_MAX_NUM_MACS_EXCEEDED: Warn: Number of mac entries approaching 75% HW limit. Please run l2 consistency-checker to check inconsistencies`

Explanation Number of mac entries approaching HW limit.

Recommended Action No action is required.

Error Message `L2FM-5-L2FM_PERMIT_STATIC_MAC_FAIL: Note: Is \'switchport mac-address static-only\' applied on parent interface?`

Explanation Static mac cannot be installed when \'switchport mac-address static-only\' is applied on interface

Recommended Action No action is required.

Error Message `L2FM-5-L2FM_VLAN_MODE_CHANGE_TO_NON_CONV: Vlan [dec] has been internally changed to non conversational mode on SVI CREATE`

Explanation Change vlan learning mode to non conversational mode on SVI CREATE

Recommended Action No action is required.

Error Message `L2FM-5-L2FM_VLAN_MODE_REVERTED_BACK: Vlan [dec] has been internally changed to user configured learning mode on SVI DELETE. Mac entries installed non-optimally due to SVI up will get removed from all FEs once ages out`

Explanation Change vlan learning mode to user configured value on SVI DELETE

Recommended Action No action is required.

L2FM-6

Error Message `L2FM-6-L2FM_DYN_MAC_INS_FAILED: Dynamic mac insertion failure!fail_cnt: [dec] Slot:[dec]`

Explanation Failed to insert dynamic macs fail_cnt:[dec] for Slot:[Slot]

Recommended Action No action is required.

Error Message `L2FM-6-L2FM_MAC_TABLE_THRESHOLD_NOTIFICATION: Station table reached [dec]% of the total capacity (num entries [dec], total limit [dec])`

Explanation Station table capacity utilization message as per configured threshold values

Recommended Action No action is required.

Error Message `L2FM-6-L2FM_MTS_SEND_FAILED: Failed to send MTS message errno [hex] opcode [dec]`

Explanation Failed to send MTS message errno [hex] opcode [dec]

Recommended Action No action is required.

L2FWD Messages

This section contains the L2FWD messages.

L2FWD-2

Error Message `L2FWD-2-L2FWD_CRIT_INFO: L2fwder Critical Information: [chars].`

Explanation L2fwder Critical Information

Recommended Action No action is required.

L2MCAST Messages

This section contains the L2MCAST messages.

L2MCAST-SLOT#-0

Error Message `L2MCAST-SLOT#-0-L2MCAST_CLI_INIT_FAILED: CLI library initialization failed!`

Explanation L2MCAST failed to initialize CLI infrastructure\'s backend library. This is a fatal error.

Recommended Action No action is required.

Error Message `L2MCAST-SLOT#-0-L2MCAST_TIMER_INIT_FAILED: Timer subsystem initialization failed!`

Explanation L2MCAST failed to initialize timer library. This is a fatal error.

Recommended Action No action is required.

L2MCAST-SLOT#-2

Error Message `L2MCAST-SLOT#-2-L2MCAST_MAC_FULL_LC: Failed to insert entry in MAC table for FE [dec] swidx [dec] (0x[hex]) with err ([chars]). To avoid possible multicast traffic loss, disable OMF. Use the configuration CLI: "no ip igmp snooping optimise-multicast-flood"`

Explanation Failed to program the MAC table. MAC table line full for this entry

Recommended Action No action is required.

Error Message `L2MCAST-SLOT#-2-L2MCAST_VLAN_NOT_FOUND: VLAN [dec] not found in L2MCAST database!`

Explanation L2MCAST failed to find VLAN [dec] in its database. L2 MAC learning & aging on VLAN [dec] may be affected.

Recommended Action No action is required.

Error Message `L2MCAST-SLOT#-2-L2MCAST: Memory allocation failed. [chars]`

Explanation Memory allocation failed. This is a critical failure

Recommended Action No action is required.

L2MCAST-SLOT#-3

Error Message `L2MCAST-SLOT#-3-L2MCAST_HW_INSTALL_FAIL: Hw install failed for vlan [dec] ([dec], [chars], [chars]) entry!`

Explanation L2MCAST failed to insert bd, g, s entry in hardware. Igmp snooping may not be effective on vlan for that group and source

Recommended Action No action is required.

L2MCAST-SLOT#-6

Error Message `L2MCAST-SLOT#-6-L2MCAST_INITIALIZED: Internal state created [chars]`

Explanation L2MCAST has created its internal state stateless/stateful [chars].

Recommended Action No action is required.

Error Message `L2MCAST-SLOT#-6-L2MCAST_VDC_CREATED: VDC [dec] created`

Explanation Request to create VDC [dec] in L2MCAST was successful.

Recommended Action No action is required.

Error Message `L2MCAST-SLOT#-6-L2MCAST_VDC_REMOVED: VDC [dec] Removed`

Explanation L2MCAST has successfully removed VDC [dec] from its databases.

Recommended Action No action is required.

Error Message `L2MCAST-SLOT#-6-L2MCAST_VDC_VLAN_CREATED: VLAN [dec] created`

Explanation L2MCAST has added VLAN [dec].

Recommended Action No action is required.

Error Message `L2MCAST-SLOT#-6-L2MCAST_VDC_VLAN_REMOVED: VLAN [dec] removed from VDC [dec]`

Explanation L2MCAST has successfully removed VLAN [dec] from VDC [dec].

Recommended Action No action is required.

L3VM Messages

This section contains the L3VM messages.

L3VM-2

Error Message `L3VM-2-L3VM_NS_CREATE_FAILED: Failed to create a new network namespace "[chars]". errno: [dec] ([chars])`

Explanation Namespace creation failed

Recommended Action No action is required.

Error Message `L3VM-2-L3VM_NS_CREATE_GENERIC_ERROR: [chars] "[chars]". errno: [dec] ([chars])`

Explanation Namespace creation generic failure

Recommended Action No action is required.

Error Message `L3VM-2-L3VM_VRF_LIMIT_REACHED: Maximum VRF count reached. Cannot create VRF [chars]. Please delete some unused VRFs before proceeding.`

Explanation VRF limit failed

Recommended Action No action is required.

L3VM-5

Error Message `L3VM-5-FP_TPG_CREATE: Fabricpath topology [dec] created`

Explanation FP-Topology created

Recommended Action No action is required.

Error Message `L3VM-5-FP_TPG_DELETE: Fabricpath topology [dec] deleted`

Explanation FP-Topology deleted

Recommended Action No action is required.

Error Message `L3VM-5-FP_TPG_INTF_DOWN: Interface [chars] down in fabricpath topology [dec] [chars]`

Explanation Interface in a FP-Topology went down

Recommended Action No action is required.

Error Message `L3VM-5-FP_TPG_INTF_UP: Interface [chars] up in fabricpath topology [dec]`

Explanation Interface in a FP-Topology is up

Recommended Action No action is required.

LACP Messages

This section contains the LACP messages.

LACP-3

Error Message `LACP-3-ALLOCFAIL: Failed to allocate memory in [chars][[dec]] for size [dec]`

Explanation LACP is out of dynamic memory. [chars] specifies the context where the failure occurred.

Recommended Action No action is required.

Error Message `LACP-3-GENERAL_ERROR: [chars]`

Explanation General error

Recommended Action No action is required.

Error Message `LACP-3-ISTACKREGISTER: Failed to register istack - [chars]`

Explanation Failed to register istack. [char] identifies the reason.

Recommended Action No action is required.

Error Message `LACP-3-LACP_INTERNAL_ERROR: LACP internal error: [chars]`

Explanation Internal error is encountered

Recommended Action No action is required.

Error Message `LACP-3-LACP_SUSPEND_HALF_DUPLEX_PORT: Port [chars] is in half duplex mode. suspend port`

Explanation LACP is not supported in half duplex mode. Suspend port

Recommended Action No action is required.

Error Message `LACP-3-LACP_SUSPEND_MINLINK: LACP port [chars] of port-channel [chars] is suspended as min-link requirement not met.`

Explanation LACP suspend ports due to min-link

Recommended Action No action is required.

Error Message `LACP-3-LACP_UPGRADE_READY_FAILED: Upgrade ready failed.`

Explanation Upgrade ready event failed because atleast one port channel member is in intermediate state.

Recommended Action No action is required.

Error Message `LACP-3-PACKET_TRANSMIT_ERR: [chars]: Could not send LACP packet err=[dec]`

Explanation There was an error in sending LACP packet

Recommended Action No action is required.

Error Message `LACP-3-SYN_COLL_DIS_EN: [chars] [[chars]]: SYNC, COLLECT and DISTRIBUTE flags enabled too early by partner`

Explanation Potential interop issue. Partner system seems to have enabled sync as well collecting or distributing flags too early even before actor has selected an aggregator

Recommended Action No action is required.

Error Message `LACP-3-SYSTEM_MAC_ERR: [chars]: Could not get system mac[[chars]]`

Explanation There was an error in acquiring system mac from VDC Mgr

Recommended Action No action is required.

LACP-5

Error Message `LACP-5-LACP_DISABLED: LACP Disabled`

Explanation LACP Service Disabled

Recommended Action No action is required.

Error Message `LACP-5-LACP_DOES_NOT_MEET_MINLINK_REQ: LACP port-channel [chars] is brought down as min-link requirement not met.`

Explanation LACP port-channel down as min-link requirement not met

Recommended Action No action is required.

Error Message `LACP-5-LACP_ENABLED: LACP Enabled`

Explanation LACP Service Enabled

Recommended Action No action is required.

Error Message `LACP-5-LACP_MEETS_MINLINK_REQ: LACP port-channel [chars] meets min-link requirement. Reint port-channel`

Explanation LACP port-channel meets min-link requirement

Recommended Action No action is required.

Error Message `LACP-5-LACP_RATE_FAST_NOT_RECOMENDED: 'lacp rate fast' not recomended if 'vpc peer-link' configured.`

Explanation Can cause traffic outage

Recommended Action No action is required.

Error Message `LACP-5-LACP_REMOTE_NOTIFY_SUCCESS: Remote notify event.`

Explanation Remote notify event was successful.

Recommended Action No action is required.

Error Message `LACP-5-LACP_REMOTE_PDU_SEND: Pre/Post ISSU hello sent.`

Explanation Remote notify event was successful.

Recommended Action No action is required.

Error Message `LACP-5-LACP_SUSPEND_INDIVIDUAL: LACP port [chars] of port-channel [chars] not receiving any LACP BPDUs suspending (individual) port`

Explanation LACP suspend individual ports

Recommended Action No action is required.

Error Message `LACP-5-LACP_SWITCHOVER_NOTIFY: LACP switchover start [dec]`

Explanation LACP switchover notify

Recommended Action No action is required.

Error Message `LACP-5-LACP_UPGRADE_READY_SUCCESS: Upgrade ready successful.`

Explanation Upgrade ready event is successful as all port channel members are in steady state.

Recommended Action No action is required.

Error Message `LACP-5-PORT_PRIORITY_CHANGED: [chars]: LACP port priority changed from [dec] to [dec]`

Explanation LACP port priority has been changed

Recommended Action No action is required.

Error Message `LACP-5-SYSTEM_PRIORITY_CHANGED: LACP system priority changed from 0x[hex] to 0x[hex]`

Explanation LACP system priority has been changed

Recommended Action No action is required.

LC-SPAN Messages

This section contains the LC-SPAN messages.

LC-SPAN-3

Error Message `LC-SPAN-3-ERROR: [chars]`

Explanation Lc_span_mgr encountered an error

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

LDAP Messages

This section contains the LDAP messages.

LDAP-2

Error Message `LDAP-2-LDAP_PROGRAM_EXIT: LDAP daemon exiting: [chars]`

Explanation LDAP daemon is exiting.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

LDAP-3

Error Message `LDAP-3-LDAP_ERROR_MESSAGE: [chars]`

Explanation LDAP Error Message

Recommended Action No action is required.

LDAP-5

Error Message `LDAP-5-LDAP_MONITOR_STATUS: [chars] [chars]`

Explanation Notifying Ldap server monitor status change

Recommended Action No action is required.

Error Message `LDAP-5-LDAP_SERVER_STATUS: [chars] server [chars] with port [dec] status has changed from [chars] to [chars]. Server was in previous-state for [chars], and total dead time of the server is [chars]`

Explanation Notifying Ldap server status change

Recommended Action No action is required.

LDAP-6

Error Message `LDAP-6-LDAP_MESSAGE: [chars]`

Explanation LDAP Message

Recommended Action No action is required.

LDP Messages

This section contains the LDP messages.

LDP-5

Error Message `LDP-5-LDP_DISABLED: LDP Disabled`

Explanation MPLS_LDP Service Disabled

Recommended Action No action is required.

Error Message `LDP-5-LDP_ENABLED: LDP Enabled`

Explanation MPLS_LDP Service nabled

Recommended Action No action is required.

LIBBASE_SVC Messages

This section contains the LIBBASE_SVC messages.

LIBBASE_SVC-2

Error Message `LIBBASE_SVC-2-INIT_FAILED: Initialization failed: [chars], Reason: 0x[hex]`

Explanation Initialization failure

Recommended Action No action is required.

Error Message `LIBBASE_SVC-2-IT_NEXUS_MAX_INTERFACE_LIMIT_REACHED: [chars] cannot be bound for site [chars], as the interfaces reached the maximum flow limit`

Explanation IT Load Balancing failed

Recommended Action No action is required.

Error Message `LIBBASE_SVC-2-LICENSE_EXPIRED: License expired - Disabling [chars]`

Explanation License expired/not present - Disabling feature

Recommended Action No action is required.

Error Message `LIBBASE_SVC-2-LICENSE_ON_GRACE_PERIOD: No license. Feature will be shut down after a grace period of approximately [dec] days`

Explanation Feature is on license grace period. Please acquire actual license.

Recommended Action No action is required.

Error Message `LIBBASE_SVC-2-LOG_ERR_BASE_SVC_TOM_ABORTED: SME Cluster [chars] Message Id: 0x[hex] aborted`

Explanation An SME Cluster Message was aborted by the Cluster process

Recommended Action No action is required.

Error Message `LIBBASE_SVC-2-SITE_MISCONFIG: Cluster [chars] has more than 2 sites. Check the site configuration and delete the unintended sites`

Explanation Cluster can have atmost 2 sites

Recommended Action No action is required.

LIBBASE_SVC-3

Error Message `LIBBASE_SVC-3-DBSYNC_REJECT: Database Synchronization [chars] for a new cluster (Id 0x[hex]) Rejected; Reason - [chars].`

Explanation A switch can be part of only one cluster

Recommended Action No action is required.

LIBBASE_SVC-4

Error Message `LIBBASE_SVC-4-FCR_VER2_NOT_ENABLED: FCR Version2 is not enabled. May affect flows. Please enable fc-redirect version2`

Explanation FCR Version2 not enabled

Recommended Action No action is required.

LIBBASE_SVC-5

Error Message `LIBBASE_SVC-5-CLUSTER_INTF_ADDED: Interface now part of cluster [chars] with ID [chars] as a service node [chars].`

Explanation Interface added to cluster successfully

Recommended Action No action is required.

Error Message `LIBBASE_SVC-5-CLUSTER_INTF_REMOVED: Interface now removed from cluster [chars] with ID [chars] as a service node [chars].`

Explanation Interface removed from cluster successfully

Recommended Action No action is required.

Error Message `LIBBASE_SVC-5-FLOW_NOT_ALLOWED: Flow [chars] <-> [chars] disallowed in multiple clusters`

Explanation Flow creation failed

Recommended Action No action is required.

Error Message `LIBBASE_SVC-5-INTERFACE_DOWN: Interface ([chars]) DOWN`

Explanation Interface was brought down

Recommended Action No action is required.

Error Message `LIBBASE_SVC-5-INTERFACE_UP: Interface ([chars]) is UP`

Explanation Interface was brought up

Recommended Action No action is required.

Error Message `LIBBASE_SVC-5-IT_NEXUS_FAILURE: [chars]. [chars] bind failure. Reason: [chars]: 0x[hex]`

Explanation IT Nexus bind failed

Recommended Action No action is required.

Error Message `LIBBASE_SVC-5-IT_NEXUS_OPTIMUM_INTERFACE_LIMIT_REACHED: Interface [chars] exceeded the optimum flow limit`

Explanation Iterface Flow Limit

Recommended Action No action is required.

LICMGR Messages

This section contains the LICMGR messages.

LICMGR-0

Error Message `LICMGR-0-LOG_LIC_GRACE_EXPIRED: Grace period expired for feature [chars].`

Explanation Unlicensed feature [chars] has exceeded it's grace time period. Applications using will be shut down immediately.

Recommended Action Please install the license file to continue using the feature.

LICMGR-1

Error Message `LICMGR-1-LOG_LIC_LICENSE_EXPIRED: License expired for feature [chars]. Feature will run in honor mode.`

Explanation The named feature has exceeded it's time period. Applications using the license will run in honor mode. after exceeded time period.

Recommended Action Please install the license file to continue using the feature.

Error Message `LICMGR-1-LOG_LIC_LICENSE_EXPIRY_WARNING_ALERT: License for feature [chars] will expire in [dec] day(s).`

Explanation Feature [chars] has very limited time for expiry. Feature will expire in [dec] day(s).

Recommended Action Please install the license file to continue using the feature.

Error Message `LICMGR-1-LOG_LIC_NO_LIC_ALERT: No license(s) present for feature [chars]. Application(s) running in grace-period and will be shut down in [dec] days.`

Explanation Feature [chars] has not been licensed. The feature will work for a grace period of [dec] days after which application(s) using the feature will be shut down.

Recommended Action Please install the license file to continue using the feature.

Error Message `LICMGR-1-LOG_LIC_SERVICE_FIREWALL_CONSUMPTION_ALERT: Premier License is required for Hypershield Firewall services [chars], please ensure your Nexus software license compliant.`

Explanation The feature service-acceleration-firewall is consuming Premier License.

Recommended Action Please install the license file to continue using the feature.

LICMGR-2

Error Message `LICMGR-2-LOG_LICAPP_EXPIRY_WARNING: Application [chars] subscription license [chars] expiry in [dec] days.`

Explanation Application [chars1] will exceed it's subscription time period in [dec] days and will be shut down after a grace period unless a permanent license for feature [chars2] is installed.

Recommended Action Please install the license file to continue using the feature.

Error Message `LICMGR-2-LOG_LICAPP_NOPORT_LIC: !!!!!! WARNING: '[chars]' LICENSE NOT FOUND ON THE SYSTEM !!!!!!. You have tried to enable a licensed port without installing the '[chars]' license, which has not been found on the system.`

Explanation Application [chars1] has not been licensed.

Recommended Action Please install the license file to continue using the feature.

Error Message `LICMGR-2-LOG_LICAPP_NO_LIC: Application [chars] running without [chars] license, shut down in [dec] days.`

Explanation Application [chars1] has not been licensed. The application will work for a grace period of [dec] days after which it will be shut down unless a license file for feature [chars2] is installed.

Recommended Action Please install the license file to continue using the feature.

Error Message `LICMGR-2-LOG_LIC_EXIT: License manager exiting: [chars]`

Explanation License manager exiting.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `LICMGR-2-LOG_LIC_INVALID_SERVER_LINE: License file [chars] contains invalid "SERVER" line. Contact TAC`

Explanation Invalid SERVER line in license file.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `LICMGR-2-LOG_LIC_MISSING_WARNING: A feature that requires [chars] license is not installed. System supports honor based licensing so feature will continue to be fully functional. Use 'show license usage ' to find features using missing license.`

Explanation Open environment platform requires a license to run NXOS. Please get a license and install it. Features will be running in honor mode.

Recommended Action Please install the license file to continue using the feature.

Error Message `LICMGR-2-LOG_LIC_NO_LIC: No license(s) present for feature [chars]. Application(s) shut down in [dec] days.`

Explanation Feature [chars] has not been licensed. The feature will work for a grace period of [dec] days after which application(s) using the feature will be shut down.

Recommended Action Please install the license file to continue using the feature.

Error Message `LICMGR-2-LOG_LIC_NO_OE_LICENSE: Missing license to run NXOS on open environment platform, will be shut down in [dec] days.`

Explanation Open environment platform requires a license to run NXOS. Please get a license and instal it. Features will not be able to function properly, the box will shut down after few days unless licensed.

Recommended Action Please install the license file to continue using the feature.

Error Message `LICMGR-2-LOG_LIC_NVRAM_DISABLED: Licensing NVRAM is not available. Grace period will be disabled: [chars]`

Explanation The Supervisor NVRAM block may have a hardware problem and may need to be replaced

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `LICMGR-2-LOG_LIC_USAGE_NO_ACK: A Usage report acknowledgement has not been received in the period specified by the policy.`

Explanation Once usage reports are transferred from the product to the CSLU they will be then sent to the CSSM and an ACK returned. The CSLU will send the ACK back to the product instance. If the ACK is not received in the needed amount of time this syslog will be displayed.

Recommended Action Please install the license file to continue using the feature.

Error Message `LICMGR-2-LOG_LIC_VENDOR_DOWN: License file contains invalid "SERVER" line. Vendor daemon down`

Explanation Vendor daemon is down

Recommended Action Licensing

LICMGR-3

Error Message `LICMGR-3-LOG_LIC_FILE_MISSING: License file(s) missing for feature [chars].`

Explanation One or more license files for feature [chars] are missing and must be reinstalled.

Recommended Action Please install the license file to continue using the feature.

Error Message `LICMGR-3-LOG_LIC_INVALID_HOSTID: Invalid license hostid VDH=[chars] for feature [chars].`

Explanation Feature [chars2] has a license with an invalid license hostid VDH=[chars1]. This can occur if a supervisor card with licensed features for one switch is installed on another switch.

Recommended Action No action is required.

Error Message `LICMGR-3-LOG_LIC_MESSAGE_ERROR: could not handle message: [chars] of type [dec] from addr [dec]:[dec].`

Explanation Could not handle a IPC message [chars] of type [dec1] sent by a component running on node [dec2] with sap [dec3].

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `LICMGR-3-LOG_LIC_SERVER_DOWN: License Server Down [dec]`

Explanation A connection to the license server was lost.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `LICMGR-3-LOG_LIC_SPROM_LIC: Feature [chars] issued [dec] licenses without a valid license file.`

Explanation Feature [chars] has been licensed [dec] times without a valid license file. This means one or more license files are missing for feature [chars] and must be reinstalled.

Recommended Action Please install the license file to continue using the feature.

Error Message `LICMGR-3-LOG_LIC_TOO_MANY_LIC: Only [dec] licenses are supported for [chars] feature, where as [dec] licenses are installed.`

Explanation More licenses are installed than allowed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

LICMGR-4

Error Message `LICMGR-4-LOG_LIC_LICENSE_EXPIRY_WARNING: License for feature [chars] will expire in [dec] day(s).`

Explanation Feature [chars] will exceed period in [dec] day(s).

Recommended Action Please install the license file to continue using the feature.

LICMGR-6

Error Message `LICMGR-6-LOG_CHECKPOINT_CREATED: auto checkpoint [chars] created during license expiry.`

Explanation When a license expires, auto checkpoint is created to prevent configuration loss.

Recommended Action Rollback can be done to the created checkpoint when a new license is installed.

Error Message `LICMGR-6-LOG_LIC_FEATURE_CLEARED: Cleared [dec] license(s) for feature [chars].`

Explanation Uninstalled [dec] license(s) for feature [chars].

Recommended Action Use the 'show license usage' command to verify this license feature removal.

Error Message `LICMGR-6-LOG_LIC_FEATURE_INSTALLED: Installed [dec] license(s) for feature [chars].`

Explanation Installed [dec] license(s) for feature [chars].

Recommended Action Use the 'show license usage' command to verify this license feature installation.

Error Message `LICMGR-6-LOG_LIC_LICENSE_CLEARED_ALL: Cleared all licenses.`

Explanation Cleared all license files.

Recommended Action No action is required.

Error Message `LICMGR-6-LOG_LIC_LICENSE_CLEARED: Cleared license file [chars].`

Explanation Uninstalled the named license file.

Recommended Action Use the 'show license' command to verify this license removal.

Error Message `LICMGR-6-LOG_LIC_LICENSE_INSTALLED: Installed license file [chars].`

Explanation Installed the named license file.

Recommended Action Use the 'show license' command to verify this license installation.

LLDP Messages

This section contains the LLDP messages.

LLDP-3

Error Message `LLDP-3-ALLOCFAIL: Failed to allocate memory in [chars][[dec]] for size [dec]`

Explanation LLDP is out of dynamic memory. [chars] specifies the context where the failure occurred.

Recommended Action No action is required.

Error Message `LLDP-3-DETECT_MULTIPLE_PEERS: Multiple peers detected on [chars]`

Explanation Multiple peers detected on an interface

Recommended Action No action is required.

Error Message `LLDP-3-INVALID_DCBXP_RECEIVED: Received an invalid DCBXP on [chars]`

Explanation Received an invalid DCBXP on an interface

Recommended Action No action is required.

Error Message `LLDP-3-INVALID_LLDP_RECEIVED: Received an invalid LLDP on [chars]`

Explanation Received an invalid LLDP on an interface

Recommended Action No action is required.

Error Message `LLDP-3-ISTACKREGISTER: Failed to register istack - [chars]`

Explanation Failed to register istack. [char] identifies the reason.

Recommended Action No action is required.

Error Message `LLDP-3-LLDP_INTERNAL_ERROR: LLDP internal error: [chars]`

Explanation Internal error is encountered

Recommended Action No action is required.

LLDP-5

Error Message `LLDP-5-LLDP_DISABLED: LLDP Disabled`

Explanation LLDP Service Disabled

Recommended Action No action is required.

Error Message `LLDP-5-LLDP_ENABLED: LLDP Enabled`

Explanation LLDP Service Enabled

Recommended Action No action is required.

Error Message `LLDP-5-SERVER_ADDED: Server with Chassis ID [chars] Port ID [chars] management address [chars] discovered on local port [chars] in vlan [dec] with enabled capability [chars]`

Explanation A new peer is discovered

Recommended Action No action is required.

Error Message `LLDP-5-SERVER_REMOVED: Server with Chassis ID [chars] Port ID [chars] on local port [chars] has been removed`

Explanation A peer is removed

Recommended Action No action is required.

LLDP-6

Error Message `LLDP-6-DETECT_REMOTE_CHANGE: Remote change detected on [chars]`

Explanation Remote change detected on an interface

Recommended Action No action is required.

Error Message `LLDP-6-DETECT_REMOTE_DCBXP_CHANGE: Remote DCBXP change detected on [chars]`

Explanation Remote DCBXP change detected on an interface

Recommended Action No action is required.

Error Message `LLDP-6-LLDP_PACKET_TRUNCATED: Received an LLDP packet on interface [chars] that exceeds the maximum supported size, the packet will be truncated`

Explanation Truncating large LLDP packet received on an interface

Recommended Action No action is required.

M6RIB Messages

This section contains the M6RIB messages.

M6RIB-4

Error Message `M6RIB-4-NBM_TOKEN_ALLOCATION_FAILED: No tokens available for new group [chars]`

Explanation No tokens available for new group [chars]

Recommended Action No action is required.

MCAST Messages

This section contains the MCAST messages.

MCAST-2

Error Message `MCAST-2-SHUTDOWN: Process shutting down: [chars]`

Explanation Mcast is shutting down

Recommended Action The action depends on the situation. The multicast process can shut down gracefully because of a system restart (in which case no action needs to take place) or because of a failure. The message associated with the syslog should be self explanatory to understand the reason for the shutdown. If the process is able to restart properly, there is no immediate harm for the system stability and the suggested action is to report the syslog event together with an explanation of the operations most recently performed on the system.

MCAST-4

Error Message `MCAST-4-ERROR: [chars]`

Explanation Mcast encountered a generic error

Recommended Action No action is required.

MCAST-5

Error Message `MCAST-5-BAD_MSG: Received bad message: [chars]`

Explanation Mcast has received a malformed/unrecognized message

Recommended Action No action is required.

Error Message `MCAST-5-START: Process has been started`

Explanation Mcast has been started

Recommended Action No action is required.

MCECTEST Messages

This section contains the MCECTEST messages.

MCECTEST-3

Error Message `MCECTEST-3-ASSERTION_FAILED: [chars]`

Explanation MCECTEST has hit an assert condition at file [chars]

Recommended Action No action is required.

Error Message `MCECTEST-3-INIT_FAIL: [chars]`

Explanation MCECTEST Initialization failed. due to [chars]

Recommended Action No action is required.

Error Message `MCECTEST-3-INTERNAL_ERR: [chars]`

Explanation MCECTEST encountered an internal error due to [chars]

Recommended Action No action is required.

Error Message `MCECTEST-3-MTS_ERR: [chars]`

Explanation MCECTEST encountered an MTS error due to [chars]

Recommended Action No action is required.

MCECTEST-5

Error Message `MCECTEST-5-MCECTEST_DISABLED: MCECTEST Disabled`

Explanation MCECTEST Service Disabled

Recommended Action No action is required.

Error Message `MCECTEST-5-MCECTEST_ENABLED: MCECTEST Enabled`

Explanation MCECTEST Service enabled

Recommended Action No action is required.

MCECTEST-6

Error Message `MCECTEST-6-INTERNAL_INFO: [chars]`

Explanation MCECTEST got an internal info [chars]

Recommended Action No action is required.

MCM Messages

This section contains the MCM messages.

MCM-2

Error Message `MCM-2-MCM_CRITICAL_ERROR: Internal Critical Error`

Explanation Some critical error

Recommended Action No action is required.

Error Message `MCM-2-MCM_REPLICATION_DISABLED: Proxy layer-3 modules are not available for replication. Proxy layer-3 multicast replication is disabled.`

Explanation Replication is disabled

Recommended Action No action is required.

Error Message `MCM-2-MCM_REQ_RESP_ERROR: Error (0x[hex]: [chars]) while communicating with component :[chars], opcode: [chars] (for: [chars])`

Explanation Error in request-response handshake

Recommended Action No action is required.

Error Message `MCM-2-MCM_ROUTING_DISABLED: Proxy layer-3 modules are not available for routing. Proxy layer-3 forwarding is disabled.`

Explanation Routing is disabled

Recommended Action No action is required.

MCM-5

Error Message `MCM-5-MCM_SDB_UPDATE_FAILED: sdb update failed with ret_val [dec]`

Explanation SDB updated failed for MCM

Recommended Action No action is required.

MCM-6

Error Message `MCM-6-MCM_REPLICATION_ENABLED: Proxy layer-3 modules are UP and available for replication. Proxy layer-3 multicast replication is enabled.`

Explanation Replication is enabled

Recommended Action No action is required.

Error Message `MCM-6-MCM_ROUTING_ENABLED: Proxy layer-3 modules are UP and available for routing. Proxy layer-3 forwarding is enabled.`

Explanation Routing is enabled

Recommended Action No action is required.

MDNS Messages

This section contains the MDNS messages.

MDNS-5

Error Message `MDNS-5-MDNS_DISABLED: MDNS Disabled`

Explanation MDNS Service Disabled

Recommended Action No action is required.

Error Message `MDNS-5-MDNS_ENABLED: MDNS Enabled`

Explanation MDNS Service nabled

Recommended Action No action is required.

MFDM Messages

This section contains the MFDM messages.

MFDM-2

Error Message `MFDM-2-DI_REUSE: LTL node exists with DI 0x[hex] oiflist_index 0x[hex] type [dec] and same DI returned for oiflist_index 0x[hex] type [dec] Please collect show tech-support forwarding multicast and show tech-support pixm.`

Explanation PIXM returned duplicate DI.

Recommended Action No action is required.

Error Message `MFDM-2-DOWNLOAD_TIMEOUT: Download of L2/L3 route databases timed out : download_in_progress_slots 0x[hex] for database [chars] [chars] [chars]`

Explanation Download of L2/L3 route databases timed out. Download triggered by VMM insert request.

Recommended Action No action is required.

Error Message `MFDM-2-INTERNAL_ERROR: MFDM-[chars] Internal error : show system internal mfdm errors for more information`

Explanation MFDM PD hit a internal error. show system internal mfdm errors for futher analysis.

Recommended Action No action is required.

Error Message `MFDM-2-MAX_OIFS_LIMIT_REACHED: A route or more in your system has more than [dec] oifs that is the max currently supported. This may lead to inconsistencies between MRIB and MFIB since the route will not be updated in HW. Plese reduce the scale`

Explanation Received route with too many OIFs

Recommended Action No action is required.

Error Message `MFDM-2-MFDM_NVE_DSG_VP_LIMIT_REACHED: All available NVE DSG VPs ([dec]) are used. Failed to allocate VP for group [chars], oif [chars]. Please reduce the VxLAN multicast group scale`

Explanation There are too many OIFs for VXLAN DSG entries

Recommended Action No action is required.

Error Message `MFDM-2-MFDM_NVE_INIT_FAILED: INIT with NVE is Failed. Need reload`

Explanation MFDM not register with vxlan

Recommended Action No action is required.

Error Message `MFDM-2-MFDM_PIM_BIDIR_NOT_SUPPORTED: Current release does support PIM BIDIR route ([chars], [chars]) df_ordinal ([dec])`

Explanation Current release does support PIM BIDIR route

Recommended Action No action is required.

Error Message `MFDM-2-MFDM_SONE_IPV6_GROUP_ALIASING: On vrf '[chars]', new route entry ([chars]/[dec], [chars]/[dec]) cannot be supported since it's group's last 32 bits overlap with existing IPv6 route entry: ([chars]/[dec], [chars]/[dec]). Please reconfigure the traffic to a different IPv6 address`

Explanation Rejecting route due to hardware limitations due to aliasing.

Recommended Action No action is required.

Error Message `MFDM-2-MFDM_SONE_IPV6_MAX_UNIQUE_SOURCE_LIMIT: New route entry ([chars]/[dec], [chars]/[dec]) cannot be supported since max scale support for unique sources of [dec] is reached.`

Explanation Max supported unique source scale on S1 has reached.

Recommended Action No action is required.

Error Message `MFDM-2-REF_OUTOFSYNC: In Decrement ltl_node ref_count: [dec] is less than count: [dec] passed in for DI: 0x[hex], oiflist_index: 0x[hex], type: [dec]. Possible PI/PD refcount out-of-sync. Please collect show tech-support forwarding multicast and show tech-support pixm.`

Explanation MFDM PI/PD refcount out-of-sync

Recommended Action No action is required.

MMODE Messages

This section contains the MMODE messages.

MMODE-2

Error Message `MMODE-2-CONF_APPLY_ERROR: Configuration apply failed [chars].`

Explanation No action is required.

Recommended Action Mmode

Error Message `MMODE-2-MAINT_PROFILE_APPLY_ERROR: Switching to Maintenance Mode failed. Please check config.`

Explanation No action is required.

Recommended Action Mmode

Error Message `MMODE-2-MAINT_PROFILE_SOL: Please correct the configuration, and execute 'system mode maintenance' again.`

Explanation No action is required.

Recommended Action Mmode

Error Message `MMODE-2-MODE_CHANGED: System changed to "[chars]" mode.`

Explanation The system changed to [chars] mode.

Recommended Action No action is required.

Error Message `MMODE-2-MODE_CHANGE_WARN: System will be moved to "[chars]" mode in [dec] minutes`

Explanation The system will be automatically changed to normal mode.

Recommended Action No action is required.

Error Message `MMODE-2-MODE_SNAPSHOT_ERROR: Creation of [chars] snapshot failed. Please check bootflash space.`

Explanation Creation of [chars] snapshot failed, check to see if bootflash has enough space to create snapshot.

Recommended Action No action is required.

Error Message `MMODE-2-NORMAL_PROFILE_APPLY_ERROR: Switching to Normal mode failed. Please check config.`

Explanation No action is required.

Recommended Action Mmode

Error Message `MMODE-2-NORMAL_PROFILE_SOL: Please correct the configuration, and execute 'no system mode maintenance' again.`

Explanation No action is required.

Recommended Action Mmode

MMODE-3

Error Message `MMODE-3-ALLOC_FAILED: Failed in File:[chars] Line:[dec] for type [dec] size [dec]`

Explanation Mmode process could not allocate heap memory in File:[chars], at line:[dec], for memory-type:[dec] of Size:[dec]

Recommended Action No action is required.

Error Message `MMODE-3-ASSERTION_FAILED: Failed in file:[chars] line:[dec]`

Explanation Mmode process assertion failed in File:[chars], at line:[dec]

Recommended Action No action is required.

MMODE-4

Error Message `MMODE-4-MISSING_COMMAND_NAME: The command "[chars]" does not have command name and may cause mmode to work incorrectly.`

Explanation The command does not have command name defined in its command definition file.

Recommended Action If the command is to be configured with mmode, the developer must define its command name.

Error Message `MMODE-4-MODE_SNAPSHOT_DONE: The after_maintenance snapshot is complete and available for comparison`

Explanation The after_maintenance snapshot done after moving to normal mode is complete and available.

Recommended Action No action is required.

MODULE Messages

This section contains the MODULE messages.

MODULE-2

Error Message `MODULE-2-LCM_PRE_UPGRADE_GENERAL_FAIL: Pre upgrade message fails seq [dec]`

Explanation Pre upgrade message failed.

Recommended Action No action is required.

Error Message `MODULE-2-LCM_UPGRADE_DONE_GENERAL_FAIL: Upgrade done message fails SAP [chars]`

Explanation Upgrade ready message failed.

Recommended Action No action is required.

Error Message `MODULE-2-LCM_UPGRADE_OVER_FAIL: Upgrade over message returned [dec] 0x[hex] for SAP [chars]`

Explanation Upgrade done message failed.

Recommended Action No action is required.

Error Message `MODULE-2-LCM_UPGRADE_READY_FAIL: Upgrade ready message returned [dec] 0x[hex] for SAP [chars]`

Explanation Upgrade ready message failed.

Recommended Action No action is required.

Error Message `MODULE-2-LCM_UPGRADE_READY_GENERAL_FAIL: Upgrade ready message fails SAP [chars]`

Explanation Upgrade ready message failed.

Recommended Action No action is required.

Error Message `MODULE-2-LCM_UPG_DBG_LOG: Sending upgrade [chars] request to service [chars] for slot [dec].`

Explanation LCM sent upgrade request for the sap mentioned.

Recommended Action No action is required.

Error Message `MODULE-2-MOD_DIAG_FAIL: Module [dec] (Serial number: [chars]) reported failure [chars] due to [chars] in device [chars] (device error 0x[hex])`

Explanation The module in slot [decimal digit] reported a failure in the runtime diagnostic. Module manager is going to power cycle the module.

Recommended Action Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

Error Message `MODULE-2-MOD_DNLD_FAIL: Image download failed for module [dec] (Serial number: [chars])`

Explanation Module [decimal digit] failed to download a new image from the supervisor.

Recommended Action Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

Error Message `MODULE-2-MOD_FAILURE: Re-initializing module [dec] (Serial number: [chars]) failed. Received lc_failed from sap [chars] failure reason 0x[hex]`

Explanation Module [decimal digit] reported a failure during the initialization phase and will be rebooted.

Recommended Action Collect information about the module by issuing the commands 'show module_internal all module '.

Error Message `MODULE-2-MOD_FAIL: Initialization of module [dec] (Serial number: [chars]) failed`

Explanation Module [decimal digit] reported a failure during the initialization phase and will be powered down.

Recommended Action Collect information about the module by issuing the commands 'show module_internal all module '.

Error Message `MODULE-2-MOD_MAJORSWFAIL: Module [dec] (Serial number: [chars]) reported a critical failure in service [chars]`

Explanation A critical failure in service [string] happened at module [decimal digit] is going to reset the module [decimal digit].

Recommended Action Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

Error Message `MODULE-2-MOD_MINORSWFAIL: Module [dec] (Serial number: [chars]) reported a failure in service [chars]`

Explanation A non-critical failure in service [string] happened at module [decimal digit] is not going to reset the module [decimal digit].

Recommended Action Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

Error Message `MODULE-2-MOD_NOT_ALIVE: Module [dec] not responding... resetting (Serial number: [chars])`

Explanation Module [decimal digit] is not replying to the hello message: module manager is then going to reset the module.

Recommended Action No action is required.

Error Message `MODULE-2-MOD_REGFAILED: Registration failed for module [dec]`

Explanation Module [decimal digit] sent the registration message notifying a failure.

Recommended Action Collect module internal information by issuing the command 'show module internal all module [decimal digit]'.

Error Message `MODULE-2-MOD_SOMEPORTS_FAILED: Module [dec] (Serial number: [chars]) reported failure on ports [chars] ([chars]) due to [chars] in device [chars] (device error 0x[hex])`

Explanation Module [decimal digit] reported a failure in the runtime diagnostic due to failure in some of the ports.

Recommended Action Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

Error Message `MODULE-2-MOD_UNKNOWN: Module type [[dec]] in slot [dec] is not supported`

Explanation The software card id of module [decimal digit] is not supported by the supervisor.

Recommended Action Collect information about the module by issuing the commands 'show module internal all module [decimal digit]'

Error Message `MODULE-2-XBAR_DIAG_FAIL: Xbar [dec] (Serial number: [chars]) reported failure [chars] due to [chars] in device [chars] (device error 0x[hex])`

Explanation The xbar in slot [decimal digit] reported a failure in the runtime diagnostic. Module manager is going to power cycle the module.

Recommended Action Collect information about the module by issuing the command 'show module internal all xbar [decimal digit]'.

Error Message `MODULE-2-XBAR_FAILURE: Re-initializing xbar [dec] (Serial number: [chars]) failed. Received lc_failed from sap [chars] failure reason 0x[hex]`

Explanation Xbar [decimal digit] reported a failure during the initialization phase and will be rebooted.

Recommended Action Collect information about the module by issuing the commands 'show module_internal all xbar '.

Error Message `MODULE-2-XBAR_FAIL: Initialization of xbar [dec] (Serial number: [chars]) failed`

Explanation Xbar [decimal digit] reported a failure during the initialization phase and will be powered down.

Recommended Action Collect information about the module by issuing the commands 'show module_internal all xbar '.

Error Message `MODULE-2-XBAR_SOMEPORTS_FAILED: Xbar [dec] (Serial number: [chars]) reported failure on ports [chars] ([chars]) due to [chars] in device [chars] (error 0x[hex])`

Explanation Xbar [decimal digit] reported a failure in the runtime diagnostic due to failure in some of the ports.

Recommended Action Collect information about the module by issuing the command 'show module internal all xbar [decimal digit]'.

Error Message `MODULE-2-XBAR_UNKNOWN: Xbar type [[dec]] in slot [dec] is not supported`

Explanation The software card id of xbar [decimal digit] is not supported by the supervisor.

Recommended Action Collect information about the module by issuing the commands 'show module internal all xbar [decimal digit]'

MODULE-3

Error Message `MODULE-3-LCM_SEQ_ERROR: Error ([chars]) for slot:[dec] while communicating with component [chars] opcode:[chars] (for:[dec])`

Explanation LCM encountered an error while executing a sequence for a module.

Recommended Action No action is required.

Error Message `MODULE-3-LCM_SYSLOG_ERR: [chars]`

Explanation LCM encountered an error while processing a message for module.

Recommended Action No action is required.

Error Message `MODULE-3-MOD_SRG_NOT_COMPATIBLE: Module [dec] (Serial number: [chars]) firmware is not compatible with supervisor, downloading new image`

Explanation The software version of module [decimal digit] is not supported by the supervisor.

Recommended Action Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

MODULE-4

Error Message `MODULE-4-MOD_WARNING: Module [dec] (Serial number: [chars]) reported warning [chars] due to [chars] in device [chars] (device error 0x[hex])`

Explanation Module [decimal digit] reported a warning in the runtime diagnostic due to failure in some of the ports.

Recommended Action Collect information about the module by issuing the command 'show module internal all module [decimal digit]'.

Error Message `MODULE-4-XBAR_WARNING: Xbar [dec] (Serial number: [chars]) reported warning [chars] due to [chars] in device [chars] (device error 0x[hex])`

Explanation Xbar [decimal digit] reported a warning in the runtime diagnostic due to failure in some of the ports.

Recommended Action Collect information about the module by issuing the command 'show module internal all xbar [decimal digit]'.

MODULE-5

Error Message `MODULE-5-ACTIVE_SUP_OK: Supervisor [dec] is active (Serial number: [chars])`

Explanation Module [decimal digit] is ready to be configured and be able to switch traffic.

Recommended Action No action is required.

Error Message `MODULE-5-LCM_MODULE_UPGRADE_END: Upgrade of module [dec] ended`

Explanation Upgrade of the module has ended.

Recommended Action No action is required.

Error Message `MODULE-5-LCM_MODULE_UPGRADE_START: Upgrade of module [dec] started`

Explanation Upgrade of the module has been started by installer

Recommended Action No action is required.

Error Message `MODULE-5-MOD_OK: Module [dec] is online (Serial number: [chars])`

Explanation Module [decimal digit] is ready to be configured and be able to switch traffic.

Recommended Action No action is required.

Error Message `MODULE-5-MOD_REINIT: Re-initializing module [dec] (Serial number: [chars])`

Explanation Module [decimal digit] reported a failure during the initialization phase and will be rebooted.

Recommended Action Collect information about the module by issuing the commands 'show module_internal all module '.

Error Message `MODULE-5-MOD_RESTART: Module [dec] is restarting after image download`

Explanation Module [decimal digit] completed image download and is restarting.

Recommended Action No action is required.

Error Message `MODULE-5-MOD_STARTUP_CFG_MISMATCH: The startup configuration cannot be applied to a different module type for module [dec] (Serial number: [chars]). [chars] module is replacing [chars].`

Explanation The startup configuration for module [decimal digit] contains information about a different type of module instead of containing information about the current one.

Recommended Action No action is required.

Error Message `MODULE-5-STANDBY_SUP_OK: Supervisor [dec] is standby`

Explanation Module [decimal digit] is ready to be configured and be able to switch traffic.

Recommended Action No action is required.

Error Message `MODULE-5-XBAR_OK: Xbar [dec] is online (Serial number: [chars])`

Explanation Xbar [decimal digit] is ready to be configured and be able to switch traffic.

Recommended Action No action is required.

Error Message `MODULE-5-XBAR_REINIT: Re-initializing xbar [dec] (Serial number: [chars])`

Explanation Xbar [decimal digit] reported a failure during the initialization phase and will be rebooted.

Recommended Action Collect information about the module by issuing the commands 'show module_internal all xbar '.

MODULE-6

Error Message `MODULE-6-MOD_PURGE_CONFIG: Purging the configuration for module [dec]`

Explanation Notification is being sent to remove the module configurations.

Recommended Action No action is required.

Error Message `MODULE-6-MOD_REG_OK: Registration succeeded for module [dec]`

Explanation Module [decimal digit] sent a successful registration message.

Recommended Action No action is required.

MONITOR Messages

This section contains the MONITOR messages.

MONITOR-5

Error Message `MONITOR-5-ETH_SPAN_INBAND_RES: Inband resource allocation error for VDC: [dec]`

Explanation Inband resouce not allocated to VDC

Recommended Action No action is required.

Error Message `MONITOR-5-ETH_SPAN_SESSION_CREATED: Session [dec] created`

Explanation A new span session has been created.

Recommended Action No action is required.

Error Message `MONITOR-5-ETH_SPAN_SESSION_DELETED: Session [dec] deleted`

Explanation Session has been deleted.

Recommended Action No action is required.

Error Message `MONITOR-5-ETH_SPAN_SESSION_DOWN: Session [dec] is down. Reason "[chars]"`

Explanation Session is down, no further traffic will be spanned.

Recommended Action No action is required.

Error Message `MONITOR-5-ETH_SPAN_SESSION_ERROR: Session [dec] is having error. Reason "[chars]"`

Explanation The session is experiencing a problem.

Recommended Action Delete the session and try to reconfigure it

Error Message `MONITOR-5-ETH_SPAN_SESSION_UP: Session [dec] is up.`

Explanation Session is up now. You can monitor Spanned traffic at the destination ports

Recommended Action No action is required.

MRIB Messages

This section contains the MRIB messages.

MRIB-4

Error Message `MRIB-4-NBM_TOKEN_ALLOCATION_FAILED: No tokens available for new group [chars]`

Explanation No tokens available for new group [chars]

Recommended Action No action is required.

NAT Messages

This section contains the NAT messages.

NAT-2

Error Message `NAT-2-HW_PROG_FAILED: Hardware programming for NAT failed:[chars]([dec])`

Explanation NAT software encountered an error while programming the hardware to do NAT translation

Recommended Action No action is required.

Error Message `NAT-2-TEST_ERROR: [chars] :0x[hex]`

Explanation NAT testing error:[string] and error: [hex]

Recommended Action No action is required.

NAT-3

Error Message `NAT-3-HW_PROG_ERROR: ITD NAT [chars], not enough free tcam space.`

Explanation NAT software identified an error while attempting to programming the tcam for ITD.

Recommended Action No action is required.

NAT-4

Error Message `NAT-4-HW_PROG_WARNING: ITD NAT [chars], not enough free tcam space.`

Explanation NAT software identified there might be an error while attempting to programming the tcam for ITD.

Recommended Action No action is required.

NAT-5

Error Message `NAT-5-NAT_LOG_DISABLED: [chars] license not installed or expired`

Explanation NAT needs license to run

Recommended Action No action is required.

Error Message `NAT-5-NAT_LOG_ENABLED: [chars] license installed`

Explanation NAT needs license to run

Recommended Action No action is required.

NBM Messages

This section contains the NBM messages.

NBM-0

Error Message `NBM-0-NBM_CLI_INITIALIZATION_FAILED: CLI library initialization failed!`

Explanation Failed to initialize CLI infrastructure\'s backend library. This is a fatal error.

Recommended Action No action is required.

NBM-1

Error Message `NBM-1-NBM_LOG_ERR: NBM error: [chars]`

Explanation NBM Error which needs attention

Recommended Action No action is required.

Error Message `NBM-1-NBM_WRITE_TO_PSS_FAILED: Failed to write to PSS err [chars]`

Explanation Failed to write to PSS err [chars]

Recommended Action No action is required.

NBM-2

Error Message `NBM-2-NBM_FLOWS_ACTIVE: Flows are active. Tokens are not recalculated for iod [dec]`

Explanation Tokens recalculation is not allowed when flows are active

Recommended Action No action is required.

Error Message `NBM-2-NBM_FLOW_ADDITION_FAILED: Flow addition failed with status 0x[hex] for Source [chars] Group [chars] Context [chars] RPF I/f [chars] (index 0x[hex]) LID [dec] at Slot [dec] Unit [dec] Slice [dec]`

Explanation Flow addition failed for this specific NBM flow

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NBM-2-NBM_FLOW_DELETION_FAILED: Flow deletion failed with status 0x[hex] for Source [chars] Group [chars] Context [chars] RPF I/f [chars] (index 0x[hex]) LID [dec] at Slot [dec] Unit [dec] Slice [dec]`

Explanation Flow deletion failed for this specific NBM flow

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NBM-2-NBM_TCAM_NOT_CARVED: NBM TCAM region is not carved. Please carve NBM TCAM region using 'hardware access-list tcam region' CLI.`

Explanation NBM TCAM region carving is needed to stitch the NBM Flows

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

NBM-3

Error Message `NBM-3-NBM_INVALID_MUTEX_LOCK_REQUEST: Invalid combination of locks taken by single process [chars]: [chars]. Mutex type: [dec].`

Explanation Contact TAC

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NBM-3-NBM_MUTEX_LOCK_CONTENTION: [chars]: Possible double lock by user ([chars]) from caller fn ([chars]), line ([dec]). Previous user ([chars]) , caller fn ([chars]), line ([dec]) and time ([chars])`

Explanation Contact TAC

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NBM-3-NBM_WRITE_MUTEX_UNLOCK_FAILED_ON_PDEATH: Thread mismatch for shm write-`

lock unlock upon death of process [chars].

Explanation Contact TAC

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

NBM-4

Error Message NBM-4-NBM_FLOW_LIMIT_REACHED: Maximum Flow limit ([dec]) reached. Not able to add flow S: [chars], G: [chars], C: [chars], RPF:[chars] bw [dec] kbps

Explanation Maximum Flow limit reached. New flow could not be added

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message NBM-4-NBM_FLOW_OIF_LIMIT_REACHED: Maximum OIF limit ([dec]) reached for flow with S: [chars], G: [chars], C: [chars]. New OIF could not be added.

Explanation Maximum OIF limit reached for a flow. New OIF could not be added

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message NBM-4-NBM_INTERFACE_SIZE_THRESHOLD: Maximum interface limit ([dec]) reached with [chars]

Explanation Interface has reached maximum PMN limit

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message NBM-4-NBM_LOG_WARN: NBM Warning: [chars]

Explanation NBM Warning message which needs attention

Recommended Action No action is required.

Error Message NBM-4-NBM_NAT_REF_COUNT_MISMATCH: User([chars]) Post S: [chars], Post G: [chars] pre trans nat count([dec]) is not consistent with actual count ([dec]) for oif: [dec]([chars])

Explanation Contact TAC

Recommended Action Please contact the Cisco reseller through which you procured the product for

support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NBM-4-NBM_POLICER_SIZE_THRESHOLD: Maximum policer limit ([dec]) reached for slot [dec], unit [dec] (of 0-[dec]), slice [dec] (of 0-[dec]). To add more flows on this, disable policer for new groups`

Explanation To add more flows on this, disable policer for new groups

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NBM-4-NBM_PROFILE_SIZE_THRESHOLD: Maximum Profile ID limit ([dec]) reached for slot [dec], unit [dec] (of 0-[dec]) slice [dec] (of 0-[dec])`

Explanation To add more flows on this, disable policer for new groups

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NBM-4-NBM_SHM_MEMLEAK_DETECTED: PMN [chars] table memleak detected`

Explanation Contact TAC

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

NBM-5

Error Message `NBM-5-NBM_PASSIVE_MODE_UNEXPECTED_FLOW: Unexpected multicast flow in NBM Passive mode. Source: [chars], Group: [chars], Context [chars], Ingress interface [chars]`

Explanation Flows other than NBM static flow shouldn't be installed in NBM passive mode

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

NBM-6

Error Message `NBM-6-NBM_MTS_SEND_FAILED: Failed to send MTS message errno [hex] opcode [dec]`

Explanation Failed to send MTS message errno [hex] opcode [dec]

Recommended Action No action is required.

NBM-7

Error Message `NBM-7-NBM_CLEARED_MUTEX_ON_PDEATH: Cleared [chars] lock upon the death of process [chars]: [dec]. Result: [dec].`

Explanation When a process dies it needs to clear locks it holds on shared memory.

Recommended Action No action is required.

NFM Messages

This section contains the NFM messages.

NFM-2

Error Message `NFM-2-COMMIT_FAIL: Commit failed: client 0x[hex], [chars]`

Explanation The DDB commit failed

Recommended Action No action is required.

Error Message `NFM-2-DDB_FAILURE: DDB failure: [chars]`

Explanation A DDB generated failure

Recommended Action No action is required.

Error Message `NFM-2-EXITING: Exit reason: [chars]`

Explanation The NFM service process has exited due to [char]. The process has probably been restarted automatically.

Recommended Action No action is required.

Error Message `NFM-2-INIT_FAIL: NFM Service Init failed: [chars] error [hex]`

Explanation NFM Service initialization failed. [chars] explains the reason for the failure.

Recommended Action No action is required.

Error Message `NFM-2-MALLOC_ERROR: Function [chars]: Size [dec] bytes`

Explanation The NFM service could not allocate memory.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NFM-2-PSS_ERROR: [chars]: PSS ret. val=[dec]`

Explanation The NFM service encountered error while operating on a persistent storage database.

Recommended Action No action is required.

Error Message `NFM-2-VERIFY_FAIL: Verify failed - Client 0x[hex], Reason: [chars], Interface: [chars]`

Explanation The DDB Verify failed

Recommended Action No action is required.

NFM-3

Error Message `NFM-3-DDB_ERROR: DDB error: [chars]`

Explanation The DDB generated error

Recommended Action No action is required.

Error Message `NFM-3-FEATURE_MANAGER_ERROR: [chars]: An error occurred processing a Feature Manager msg - error [chars]`

Explanation An error occurred while processing a message from FEATURE Manager

Recommended Action No action is required.

Error Message `NFM-3-HANDLE_IN_USE: [chars]: name: [chars]`

Explanation The NFM service encountered a handle that was in use while reading a persistent storage database.

Recommended Action No action is required.

Error Message `NFM-3-INVALID_HANDLE: [chars]: handle =0x[hex]`

Explanation The NFM service encountered an invalid handle in a persistent storage database.

Recommended Action No action is required.

Error Message `NFM-3-MONITOR_NOT_FOUND: Monitor with handle 0x[hex] from source 0x[hex]`

Explanation An Export Msg from a Linecard contained an invalid Monitor handle

Recommended Action No action is required.

Error Message `NFM-3-MTS_ERROR: NFM encountered the following MTS error: [chars]`

Explanation NFM Service encountered an MTS error. [chars] specifies the context where the error occurred.

Recommended Action No action is required.

Error Message `NFM-3-NFM_CONFIG_ERROR: [chars]`

Explanation L2 Netflow config is applied on Port-channel with F1 Line Cards only - error

Recommended Action No action is required.

Error Message `NFM-3-NFM_DDB_ERROR: DDB error: [chars]`

Explanation The DDB generated error

Recommended Action No action is required.

Error Message `NFM-3-PSS_CORRUPTED: [chars] PSS found corrupted`

Explanation The NFM service has detected corruption in one of its persistent information database. The database would be recreated.

Recommended Action No action is required.

Error Message `NFM-3-RTP_FLOW_ERROR_DETECTED: Flow SIP: [chars] DIP: [chars] Interface: [chars] Vrf: [chars] loss detected`

Explanation Loss detected in RTP flow

Recommended Action No action is required.

Error Message `NFM-3-RTP_FLOW_ERROR_STOP: Flow SIP: [chars] DIP: [chars] Interface: [chars] Vrf: [chars] loss no longer detected`

Explanation Loss no longer detected in RTP flow

Recommended Action No action is required.

Error Message `NFM-3-VLAN_PARSE_ERROR: [chars]: An error occurred processing a VLAN Mgr Parse msg 0x[hex]`

Explanation An error occurred while processing a message from VLAN Manager

Recommended Action No action is required.

NFM-4

Error Message `NFM-4-DDB_WARNING: DDB warning: [chars]`

Explanation The DDB generated warning

Recommended Action No action is required.

Error Message `NFM-4-LICENSE_EXPIRED: The License has expired.`

Explanation The NFM service requires a License to run and exits when the License expires.

Recommended Action No action is required.

Error Message `NFM-4-NFM_DDB_WARNING: DDB warning: [chars]`

Explanation The DDB generated warning

Recommended Action No action is required.

Error Message `NFM-4-PSS_VERSION_MISMATCH: PSS [dec] Code [dec]`

Explanation There was a version mismatch between the NFM service and one of its persistent storage databases. The persistent information has been translated to the new format.

Recommended Action No action is required.

NFM-5

Error Message `NFM-5-FEATURE_DISABLED: Feature '[chars]' is Disabled.`

Explanation NetFlow/Analytics Feature is Disabled.

Recommended Action No action is required.

Error Message `NFM-5-FEATURE_ENABLED: Feature '[chars]' is Enabled.`

Explanation NetFlow/Analytics Feature is Enabled.

Recommended Action No action is required.

NFM-6

Error Message `NFM-6-BECAME_ACTIVE: Became ACTIVE from standby mode`

Explanation The NFM service on the standby supervisor became active and it is ready to serve client requests.

Recommended Action No action is required.

Error Message `NFM-6-BECAME_STDBY: Became STANDBY from active mode`

Explanation The NFM service became standby from active mode.

Recommended Action No action is required.

Error Message `NFM-6-DDB_NOTIF: DDB notification: [chars]`

Explanation The DDB generated notification

Recommended Action No action is required.

Error Message `NFM-6-FAILED_TO_SEND_HEARTBEAT: Failed to send heartbeat to system manager: Reason=[chars]`

Explanation The NFM service was unable to send heartbeat to the system manger

Recommended Action No action is required.

Error Message `NFM-6-NFM_DDB_NOTIF: DDB notification: [chars]`

Explanation The DDB generated notification

Recommended Action No action is required.

Error Message `NFM-6-SERVICE_UP: Initialized [chars]`

Explanation The NFM service is up and ready The service was initialized in [char] mode.

Recommended Action No action is required.

Error Message `NFM-6-SRV_EXIT: NFM Service shutting down gracefully`

Explanation NFM Service is shutting down gracefully. This is an informational message.

Recommended Action No action is required.

Error Message `NFM-6-SWITCH_OVER: Switching Over to other Sup.`

Explanation The NFM service has successfully switched over to the standby supervisor card.

Recommended Action No action is required.

NFM-7

Error Message `NFM-7-DEBUG: [chars]`

Explanation Debug information is being sent to syslog

Recommended Action No action is required.

NFP Messages

This section contains the NFP messages.

NFP-SLOT#-2

Error Message `NFP-SLOT#-2-FTEC_DDB_ERR: [chars]([dec]): fte ddb error.[chars] [hex]`

Explanation Fte ddb error

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NFP-SLOT#-2-FTEC_ERR: [chars]([dec]): fte error.[chars] [hex]`

Explanation Fte error occured

Recommended Action Please contact the Cisco reseller through which you procured the product for

support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NFP-SLOT#-2-NF_ACL_ERR: [chars]([dec]): acl error. [chars]`

Explanation Acl error

Recommended Action No DDTS.

Error Message `NFP-SLOT#-2-NF_DDB_ERR: [chars]([dec]): ddb error.[chars] [hex]`

Explanation Ddb error

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NFP-SLOT#-2-NF_ERR: [chars]([dec]): nfp error. [chars]`

Explanation Nfp error occured

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NFP-SLOT#-2-NF_FIB_ERR: [chars]([dec]): fib error. [chars]`

Explanation Fib error

Recommended Action No DDTS.

Error Message `NFP-SLOT#-2-NF_NDE_ERR: [chars]([dec]): nde error. [chars]`

Explanation Nde error

Recommended Action No DDTS.

Error Message `NFP-SLOT#-2-NF_NFM_ERR: [chars]([dec]): nfm error. [chars]`

Explanation Nfm error

Recommended Action No DDTS.

Error Message `NFP-SLOT#-2-NF_QOS_ERR: [chars]([dec]): qos error. [chars]`

Explanation Qos error

Recommended Action No DDTS.

NFP-SLOT#-5

Error Message `NFP-SLOT#-5-NF_INFO: [chars]`

Explanation Info

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

NGOAM Messages

This section contains the NGOAM messages.

NGOAM-3

Error Message `NGOAM-3-EVENT_ASYNC_LOOPBACK_CONN_LOST: Connectivity Lost for session [dec]`

Explanation Last async request failed for the specified session

Recommended Action No action is required.

Error Message `NGOAM-3-EVENT_DEST_UNREACH: Received Destination Unreachable notification message from switch id [dec] for switch id [dec].`

Explanation Notification received that destination is unreachable

Recommended Action No action is required.

Error Message `NGOAM-3-EVENT_LOOPBACK_MTU_ERROR: MTU exceeded msg received from [chars]`

Explanation Received an ICMP error msg indicating MTU exceeded

Recommended Action No action is required.

Error Message `NGOAM-3-EVENT_PT_TR_MTU_ERROR: MTU exceeded msg for TR/PT received from [chars]`

Explanation Received an ICMP error msg indicating MTU exceeded

Recommended Action No action is required.

Error Message `NGOAM-3-NVE_ACL_INSTALL_FAIL: ACL couldn't be installed for request [dec].`

Explanation ACL install failed

Recommended Action No action is required.

Error Message `NGOAM-3-SLD_HW_NOT_SUPPORTED: Loop detection not supported on LC [dec]. Please take corrective action`

Explanation Loop detection not supported on one of the LCs

Recommended Action No action is required.

NGOAM-4

Error Message `NGOAM-4-ENTER_SESSION: [chars]`

Explanation Notification of Looback response received for a session.

Recommended Action No action is required.

Error Message `NGOAM-4-EVENT_ASYNC_LOOPBACK_RESP: Received Loopback Response from [chars] for sender handle [dec]`

Explanation Received a response for the async loopback request

Recommended Action No action is required.

Error Message `NGOAM-4-EVENT_INVALID_TLV: Received invalid TLV notification message from switch id [dec] for switch id [dec]`

Explanation Notification received of packet with invalid TLV

Recommended Action No action is required.

Error Message `NGOAM-4-EVENT_PARAMETER_PROB: Received Parameter problem notification message from switch id [dec] for switch id [dec]`

Explanation Notification received of packet with parameter problem

Recommended Action No action is required.

Error Message `NGOAM-4-EVENT_TEST_CRC_FAIL: Received test crc failure notification message from switch id [dec] for switch id [dec]`

Explanation Notification received of packet with test crc failure

Recommended Action No action is required.

Error Message `NGOAM-4-EXIT_SESSION: [chars]`

Explanation Notification of connectivity loss for a Looback session.

Recommended Action No action is required.

Error Message `NGOAM-4-MTRACE_ACL_INSTALL_FAIL: ACL couldn't be installed for request [dec].`

Explanation ACL install failed

Recommended Action No action is required.

Error Message `NGOAM-4-MTS_SEND_FAILED: MTS send to NGOAM failed`

Explanation MTS send to NGOAM failed

Recommended Action No action is required.

Error Message `NGOAM-4-PKT_TOO_LARGE: Packet being sent to NGOAM too large, size = [dec].`

Explanation Packet being sent too large

Recommended Action No action is required.

Error Message `NGOAM-4-SESSION_ERROR: [chars]`

Explanation Notification of connectiviy issue for oam packet

Recommended Action No action is required.

Error Message `NGOAM-4-SLD_L3_LOOP_CLEARED: Loop cleared - Enabling port [chars]`

Explanation Loop was cleared as interface was administratively brought down

Recommended Action No action is required.

Error Message `NGOAM-4-SLD_L3_LOOP_DETECTED: Loop detected - Blocking port [chars]`

Explanation Loop detected on this port so bringing it down

Recommended Action No action is required.

Error Message `NGOAM-4-SLD_L3_LOOP_GONE: Loop cleared - Enabling port [chars]`

Explanation Loop is gone on this port so bringing it up

Recommended Action No action is required.

Error Message `NGOAM-4-SLD_LOOP_CLEARED: Loop cleared - Enabling vlan [dec] :: [chars]`

Explanation Loop was cleared as interface was administratively brought down

Recommended Action No action is required.

Error Message `NGOAM-4-SLD_LOOP_DETECTED: Loop detected - Blocking vlan [dec] :: [chars]`

Explanation Loop detected on this port and vlan so bringing it down

Recommended Action No action is required.

Error Message `NGOAM-4-SLD_LOOP_GONE: Loop cleared - Enabling vlan [dec] :: [chars]`

Explanation Loop is gone on this port and vlan so bringing it up

Recommended Action No action is required.

Error Message `NGOAM-4-SLD_NBR_IN_VLAN_ON_RECOV: Another SLD neighbor (ID [chars]) is blocking vlan [dec] and has a lower MAC address. Will not perform recovery for vlan [dec]. When the loop is fixed, unblock the port using the command `ngoam loop-detection bringup vlan [dec]``

Explanation Another switch performing SLD has detected a loop on the access side in the same VLAN. When multiple SLD switches block the same VLAN and then later perform loop recovery, there is a chance the loop will be unblocked on both switches. To avoid this situation only one of the switches may attempt recovery, and for the others the operator must manually unblock the VLAN when the loop is fixed.

Recommended Action No action is required.

Error Message `NGOAM-4-U6RIB_INIT_FAIL: U6rib init failed - V6 functionality will be disabled`

Explanation U6rib init failed

Recommended Action No action is required.

NGOAM-6

Error Message `NGOAM-6-HMAC_AUTH_FAILED: Pathtrace requesting ifstats has HMAC check failed`

Explanation Pathtrace HMAC check failed

Recommended Action No action is required.

NPV Messages

This section contains the NPV messages.

NPV-2

Error Message `NPV-2-CFS_PEER_LOST_WITHIN_SESSION: CFS peer with switch wwn [chars] was lost in the middle of an active CFS session. Abort the CFS session and re-enter the configuration changes`

Explanation Due to port flaps, link outages, switch restart etc. a CFS peer switch of NPV was lost. The current configuration changes would not be applied to this peer until the peer merges with this switch. The CFS merge may fail if the configuration at the lost peer conflicts with the changes made in this session. It is recommended that the user abort this CFS session using ivr abort command and then re-enter the configuration changes.

Recommended Action No action is required.

Error Message `NPV-2-NPV_DISABLE_FAILED: NPV could not disabled : [chars] [chars]`

Explanation NPM could not disabled due to the reason specified. Please try again.

Recommended Action No action is required.

Error Message `NPV-2-NPV_ENABLE_FAILED: NPV could not enabled : [chars] [chars]`

Explanation NPM could not enabled due to the reason specified. Please try again.

Recommended Action No action is required.

Error Message `NPV-2-NPV_EXITED: NPV process exited in file [chars] at Line [chars]:[chars]`

Explanation NPM process encountered a critical error as specified, and so NPV process cannot continue.

Recommended Action No action is required.

NPV-3

Error Message `NPV-3-ACL_UPDATE_FAILED: [chars]`

Explanation ACL update request initiated by the NPV process has failed

Recommended Action No action is required.

Error Message `NPV-3-CFS_INVALID_PAYLOAD_RECEIVED: NPV received invalid payload from CFS`

Explanation NPV process received invalid payload from CFS.

Recommended Action No action is required.

Error Message `NPV-3-CLEAR_FAILED: [chars]`

Explanation An error occurred while clearing the lock. The reason for the failure : [chars]

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NPV-3-COMMIT_FAILED: [chars]`

Explanation An error occurred while committing configuration. The reason for the failure : [chars]

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NPV-3-COMMIT_PARTIALLY_FAILED: [chars]`

Explanation An error occurred while committing configuration. Configuration could not be committed on some switches. The reason for the failure : [chars]. Configuration can be inconsistent in the fabric.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NPV-3-COMMIT_REJECTED: [chars]`

Explanation Commit request received from remote switch is rejected. The reason for the failure: [chars]

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NPV-3-FC2_SEND_FAILED: [chars]`

Explanation NPV process could send an FC2 message.

Recommended Action No action is required.

Error Message `NPV-3-F_RJT_SENT: [chars]`

Explanation NPV process sent an F_RJT frame.

Recommended Action No action is required.

Error Message `NPV-3-INTERNAL_ERROR: Internal error: [chars]`

Explanation NPV process encountered a general error, one that does not fall in any of the categories. [chars] describes the error and its context.

Recommended Action No action is required.

Error Message `NPV-3-LCP_PROGRAMMING_FAILED: [chars]`

Explanation LCP programming request initiated by the NPV process has failed

Recommended Action No action is required.

Error Message `NPV-3-LOCK_FAILED: [chars]`

Explanation An error occurred while acquiring the lock. The reason for the failure : [chars]

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NPV-3-LS_RJT_RCVD: [chars]`

Explanation NPV process received an LS_RJT frame.

Recommended Action No action is required.

Error Message `NPV-3-LS_RJT_SENT: [chars]`

Explanation NPV process sent an LS_RJT frame.

Recommended Action No action is required.

Error Message `NPV-3-MALLOC_FAILED: [chars]`

Explanation NPV process could not allocate memory

Recommended Action No action is required.

Error Message `NPV-3-MERGE_ACTIVATION_FAILED: [chars]`

Explanation An error occurred while activating merged configuration. The reason for the failure : [chars]

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NPV-3-MERGE_FAILED: [chars]`

Explanation An error occurred while merging configuration. The reason for the failure : [chars]

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `NPV-3-MTS_SEND_FAILED: [chars]`

Explanation NPV process could not send an MTS message.

Recommended Action No action is required.

Error Message `NPV-3-NPIV_DISABLE_FAILED: [chars]`

Explanation NPIV feature could not be disabled.

Recommended Action No action is required.

Error Message `NPV-3-NPIV_NOT_SUPPORTED: [chars]`

Explanation Nexus 9000 platform supports FCOE-NPV only. So, NPIV feature has no meaning in this platform

Recommended Action No action is required.

Error Message `NPV-3-NPV_CFS_IPV4_ENABLE_FAILED: CFS IPv4 distribution enable failed because [chars]`

Explanation NPV CFS distribution might not work. Try enabling it again on the command line. Make sure cfs distribution is enabled.

Recommended Action No action is required.

Error Message `NPV-3-NPV_UPLINK_UNSTABLE: [chars]`

Explanation Atleast one of the external interface is unstable. Loadbalancing across uplink requires stable links

Recommended Action No action is required.

Error Message `NPV-3-PORT_BRINGUP_FAILED: [chars]`

Explanation NPV process has failed to bringup the port

Recommended Action No action is required.

Error Message `NPV-3-PORT_REINIT_FAILED: [chars]`

Explanation Port reinit request initiated by the NPV process has failed

Recommended Action No action is required.

Error Message `NPV-3-UNLOCK_FAILED: [chars]`

Explanation An error occurred while releasing the lock. The reason for the failure : [chars]

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

NPV-4

Error Message `NPV-4-NPV_NPIV_NOT_ENABLED_ON_UPSTREAM_SWITCH: [chars]`

Explanation This syslog is printed when the external interface fails to come up due to NPIV feature not enabled on the upstream switch.

Recommended Action Verify and enable NPIV feature in upstream switch.

Error Message `NPV-4-NPV_PORT_VSAN_MISMATCH_ON_UPSTREAM_LINK: [chars]`

Explanation This syslog is printed when the external interface fails to come up due to upstream port VSAN mis-match with the upstream switch.

Recommended Action Make sure port VSAN is same on both sides of this external link

NPV-5

Error Message `NPV-5-ASSERTION_FAILED: Unexpected assertion failure in File [chars] at Line [dec]`

Explanation An assertion failed in NPV code

Recommended Action No action is required.

Error Message `NPV-5-FLEXATTACH_VPWWN_AUTO_ASSIGNED: A virtual port WWN [chars] has been automatically assigned to interface [chars]`

Explanation The virtual port WWN will be used as port WWN for devices logging in on this interface.

Recommended Action No action is required.

Error Message `NPV-5-FLEXATTACH_VPWWN_MANUALLY_ASSIGNED: A virtual port WWN [chars] has been manually assigned to interface [chars]`

Explanation The virtual port WWN will be used as port WWN for devices logging in on this interface.

Recommended Action No action is required.

Error Message `NPV-5-FLEXATTACH_VPWWN_UNASSIGNED: The virtual port WWN has been unassigned from interface [chars]`

Explanation The physical port WWN will be used as port WWN for devices logging in on this interface.

Recommended Action No action is required.

Error Message `NPV-5-FRAME_DISCARDED: [chars]`

Explanation NPV process discarded an FC2 frame.

Recommended Action No action is required.

Error Message `NPV-5-NPV_LOAD_BALANCE_REINIT: Server ports reinitialized : [chars]`

Explanation Server ports are reinitialized to balance the loads on the external interfaces.

Recommended Action No action is required.

Error Message `NPV-5-UNEXPECTED_EVENT: [chars]`

Explanation NPV process has received an unexpected event in the current state.

Recommended Action No action is required.

NPV-6

Error Message `NPV-6-ABTS_SENT: [chars]`

Explanation NPV process sent an ABTS frame.

Recommended Action No action is required.

Error Message `NPV-6-ELS_CMD_SENT_TO_CORE: [chars]`

Explanation NPV process sent an ELS frame to the core switch.

Recommended Action No action is required.

Error Message `NPV-6-ELS_CMD_SENT_TO_SRV: [chars]`

Explanation NPV process sent an ELS frame to the server.

Recommended Action No action is required.

Error Message `NPV-6-EXT_IF_SELECTED: [chars]`

Explanation NPV process has selected an external interface to forward either all frames received on a server interface or frames received from a specific port WWN.

Recommended Action No action is required.

Error Message `NPV-6-FABRIC_PROXY_LOGO_SENT: [chars]`

Explanation NPV process sent a LOGO frame to the device as the corresponding external interface went down.

Recommended Action No action is required.

Error Message `NPV-6-FDISC_RCVD: [chars]`

Explanation NPV process received an FDISC frame.

Recommended Action No action is required.

Error Message `NPV-6-FDISC_SENT: [chars]`

Explanation NPV process sent an FDISC frame to the core switch.

Recommended Action No action is required.

Error Message `NPV-6-FLOGI_RCVD: [chars]`

Explanation NPV process received an FLOGI frame.

Recommended Action No action is required.

Error Message `NPV-6-INTERNAL_FLOGI_SENT: [chars]`

Explanation NPV process sent an internal FLOGI frame to the core switch on an external interface.

Recommended Action No action is required.

Error Message `NPV-6-LOGO_RCVD: [chars]`

Explanation NPV process received a LOGO frame.

Recommended Action No action is required.

Error Message `NPV-6-LOGO_SENT: [chars]`

Explanation NPV process sent a LOGO frame.

Recommended Action No action is required.

Error Message `NPV-6-LS_ACC_RCVD: [chars]`

Explanation NPV process received an LS_ACC frame.

Recommended Action No action is required.

Error Message `NPV-6-LS_ACC_SENT: [chars]`

Explanation NPV process sent an LS_ACC frame.

Recommended Action No action is required.

Error Message `NPV-6-MTS_NOTIF_RCVD: [chars]`

Explanation NPV process received an MTS notification.

Recommended Action No action is required.

Error Message `NPV-6-MTS_NOTIF_SENT: [chars]`

Explanation NPV process sent an MTS notification.

Recommended Action No action is required.

Error Message `NPV-6-MTS_REQ_RCVD: [chars]`

Explanation NPV process received an MTS request.

Recommended Action No action is required.

Error Message `NPV-6-MTS_REQ_SENT: [chars]`

Explanation NPV process sent an MTS request.

Recommended Action No action is required.

Error Message `NPV-6-MTS_RESP_RCVD: [chars]`

Explanation NPV process received an MTS response.

Recommended Action No action is required.

Error Message `NPV-6-MTS_RESP_SENT: [chars]`

Explanation NPV process sent an MTS response.

Recommended Action No action is required.

Error Message `NPV-6-NPIV_DISABLED: [chars]`

Explanation NPIV feature has been disabled.

Recommended Action No action is required.

Error Message `NPV-6-NPIV_ENABLED: [chars]`

Explanation NPIV feature has been enabled.

Recommended Action No action is required.

Error Message `NPV-6-NPV_ENABLE_DISABLE_IN_PROGRESS: [chars]`

Explanation NPV feature enable/disable is in progress. This syslog is printed at the beginning of various significant phases.

Recommended Action No action is required.

Error Message `NPV-6-NPV_LOAD_BALANCE_TIMER_START: (Re)starting automatic load balancing timer for [dec] seconds`

Explanation Timer started for upon external interface up or server interface down. When the timer goes off some of the server interfaces may be reinitialized to evenly distribute the server interfaces amongst the eligible external interfaces.

Recommended Action No action is required.

Error Message `NPV-6-SERVER_PROXY_LOGO_SENT: [chars]`

Explanation NPV process sent a LOGO frame to the core switch as the server interface went down.

Recommended Action No action is required.

NPV-7

Error Message `NPV-7-CFS_REQ_RCVD: [chars]`

Explanation CFS request is received. The WWN of the switch originated this request and the rr-token of the request are provided in the syslog message.

Recommended Action No action is required.

Error Message `NPV-7-CFS_RESP_SENT: [chars]`

Explanation CFS response is sent. The rr-token of the corresponding request and the status are provided in the syslog message

Recommended Action No action is required.

NTP Messages

This section contains the NTP messages.

NTP-2

Error Message `NTP-2-NTP_SYSLOG_CRIT_ERR: : [chars]`

Explanation NTP syslog Critial Error : [chars].

Recommended Action No action is required.

Error Message `NTP-2-NTP_SYSLOG_INIT_FAIL: : [chars] [chars]`

Explanation NTP Initialization Failed: [chars] [chars].

Recommended Action No action is required.

Error Message `NTP-2-NTP_SYSLOG_NO_RESP_FROM_LC: from LC[dec] for [chars]`

Explanation NTP did not receive response from the linecard for the request sent.

Recommended Action No action is required.

NTP-3

Error Message `NTP-3-NTP_SYSLOG_ALLOC_FAIL: : [chars]`

Explanation NTP syslog allocation failed : [chars].

Recommended Action No action is required.

Error Message `NTP-3-NTP_SYSLOG_ERR_EXT: : [chars] [chars]`

Explanation NTP syslog Error Exit : [chars] [dec].

Recommended Action No action is required.

Error Message `NTP-3-NTP_SYSLOG_ERR: : [chars]`

Explanation NTP syslog Error : [chars].

Recommended Action No action is required.

Error Message `NTP-3-NTP_SYSLOG_MTS_ERR: : [chars]`

Explanation NTP MTS Error : [chars].

Recommended Action No action is required.

NTP-6

Error Message `NTP-6-NTP_SYSLOG_CREATED: : [chars]; Slot No: [dec]`

Explanation NTP syslog created : [chars] [chars].

Recommended Action No action is required.

Error Message `NTP-6-NTP_SYSLOG_EXIT: : [chars]`

Explanation NTP syslog Exit : [chars].

Recommended Action No action is required.

Error Message `NTP-6-NTP_SYSLOG_LOGGING: : [chars]`

Explanation NTP logging : [chars].

Recommended Action No action is required.

Error Message `NTP-6-NTP_SYSLOG_WARN: : [chars]`

Explanation NTP syslog Warning : [chars].

Recommended Action No action is required.

NTP-7

Error Message `NTP-7-NTP_SYSLOG_DEBUG: : [chars]`

Explanation NTP debug : [chars].

Recommended Action No action is required.

NVE Messages

This section contains the NVE messages.

NVE-5

Error Message `NVE-5-BFD_CC_STATE_CHANGE: BFD CC [chars] for bfd-neighbor [chars]`

Explanation A bfd cc state change has happened. This is most likely due to a configuration change.

Recommended Action No action is required.

Error Message `NVE-5-VDC_MAC_G_STATUS: [chars] to get router-mac, current value [chars]`

Explanation Information on events related to getting router-mac

Recommended Action No action is required.

OFM Messages

This section contains the OFM messages.

OFM-3

Error Message `OFM-3-OFM_CONFIG_ERROR: OFM Configuration error: [chars].`

Explanation OFM configuration error. [chars] is the reason.

Recommended Action No action is required.

OFM-6

Error Message `OFM-6-OFM_STATUS: OFM Status: [chars].`

Explanation OFM status is reported as [chars].

Recommended Action No action is required.

OTM Messages

This section contains the OTM messages.

OTM-2

Error Message `OTM-2-OTM_EEM_FAIL: OTM failed to register with EEM`

Explanation OTM process failed to register with eem, exiting now

Recommended Action No action is required.

OTM-3

Error Message `OTM-3-OTM_ERROR: [chars] [chars]`

Explanation [chars1][chars2]

Recommended Action No action is required.

OTM-5

Error Message `OTM-5-OTM_OBJECT_STATUS: Status of tracking object [dec] changed to [chars]`

Explanation Status of tracking object [dec] changed to [chars]

Recommended Action No action is required.

Error Message `OTM-5-OTM_OBJ_ADD: : Tracking object [dec] configured, status of the object [chars]`

Explanation Tracking Object [dec] configured, status of the object [chars]

Recommended Action No action is required.

OTM-6

Error Message `OTM-6-OTM_EXITED: OTM process exited`

Explanation OTM process is terminated

Recommended Action No action is required.

Error Message `OTM-6-OTM_OBJ_REM: : Tracking object [dec] removed`

Explanation Tracking Object [dec] removed

Recommended Action No action is required.

Error Message `OTM-6-OTM_STARTED: OTM process started`

Explanation OTM process is up and running

Recommended Action No action is required.

Error Message `OTM-6-OTM_TRACK_START: Client started tracking object [dec]`

Explanation Client has started tracking object [dec]

Recommended Action No action is required.

Error Message `OTM-6-OTM_TRACK_STOP: Client stopped tracking object [dec]`

Explanation Client has stopped tracking object [dec]

Recommended Action No action is required.

PATCH-INSTALLER Messages

This section contains the PATCH-INSTALLER messages.

PATCH-INSTALLER-2

Error Message `PATCH-INSTALLER-2-LOG_PATCH_INSTALLER_EXIT: Patch Installer exiting: [chars]`

Explanation Patch Installer exiting.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `PATCH-INSTALLER-2-TPS_FEATURE_DISABLED: User has disabled TPS installation`

Explanation User has disabled TPS installation

Recommended Action No action is required.

Error Message `PATCH-INSTALLER-2-TPS_FEATURE_ENABLED: User has enabled TPS installation`

Explanation User has enabled TPS installation

Recommended Action No action is required.

PATCH-INSTALLER-3

Error Message `PATCH-INSTALLER-3-PATCH_INSTALLER_ID_FILE_ERR: Error opening patch installer id file`

Explanation Could not open the file for storing patch installer request ids

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `PATCH-INSTALLER-3-PATCH_INSTALLER_IMAGE_FILE_OPEN_ERR: Error opening image name file [chars] for patch installer`

Explanation Could not open the file to get the name of the image

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `PATCH-INSTALLER-3-PATCH_INSTALLER_IMAGE_FILE_READ_ERR: Error reading image name file [chars] for patch installer`

Explanation Could not read the name of the image

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `PATCH-INSTALLER-3-PATCH_INSTALLER_LOG_FILE_ERR: Error opening patch installer log file`

Explanation Could not open the log file for logging \show install\ commands

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `PATCH-INSTALLER-3-PATCH_INSTALLER_OP_FAILED: Package Install operation: [chars] , operation ID: [dec], failed with error: [dec] ([chars]) at: [chars]`

Explanation Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Recommended Action Patch_installer

Error Message `PATCH-INSTALLER-3-PATCH_INSTALLER_REPO_SIZE_INCREASE_ERR: Error increasing patch reposize.Using old repo size.`

Explanation There was an error while trying to increase the patch repo size

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `PATCH-INSTALLER-3-PATCH_SUPERCEDED: The following patches will get superceded: [chars]`

Explanation List of superceded patches

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

PATCH-INSTALLER-6

Error Message `PATCH-INSTALLER-6-TPS_ACTIVATED_LOG: A TPS [chars] is installed by user`

Explanation A TPS is installed by user

Recommended Action No action is required.

Error Message `PATCH-INSTALLER-6-TPS_DEACTIVATED_LOG: A TPS [chars] is uninstalled by user`

Explanation A TPS is uninstalled by user

Recommended Action No action is required.

PHY_USD Messages

This section contains the PHY_USD messages.

PHY_USD-SLOT#-4

Error Message `PHY_USD-SLOT#-4-LOG_PHY_FW_UPGRADE: Extended firware upgrade started`

Explanation Extended line card firmware upgrade started.

Recommended Action No action is required.

Error Message `PHY_USD-SLOT#-4-LOG_PHY_ISSU_LINK_ST_CHNG: Port [dec]: link state during ISSU`

Explanation Port Link status changed while perfoming an In Service System Upgrade. Disabling the port.

Recommended Action No action is required.

PIM6 Messages

This section contains the PIM6 messages.

PIM6-4

Error Message `PIM6-4-NBM_TOKEN_ALLOCATION_FAILED: No tokens available for new group [chars]`

Explanation No tokens available for new group [chars]

Recommended Action No action is required.

PIM Messages

This section contains the PIM messages.

PIM-4

Error Message `PIM-4-NBM_TOKEN_ALLOCATION_FAILED: No tokens available for new group [chars]`

Explanation No tokens available for new group [chars]

Recommended Action No action is required.

PIXM Messages

This section contains the PIXM messages.

PIXM-2

Error Message `PIXM-2-PIXM_SYSLOG_MESSAGE_TYPE_CRIT: [chars]`

Explanation PIXM has encountered a critical error

Recommended Action Please collect PIXM tech support using 'show tech pixm-all' and 'show tech pixmc-all'

PIXM-3

Error Message `PIXM-3-PIXM_SYSLOG_MESSAGE_TYPE_ERR: [chars]`

Explanation PIXM has encountered a error

Recommended Action Please collect PIXM tech support using 'show tech pixm-all' and 'show tech pixmc-all'

PIXM-4

Error Message `PIXM-4-PIXM_SYSLOG_MESSAGE_TYPE_WARNING: [chars]`

Explanation PIXM has encountered a warning-level error

Recommended Action Please collect PIXM tech support using 'show tech pixm-all' and 'show tech pixmc-all'

PIXM-7

Error Message `PIXM-7-PIXM_SYSLOG_MESSAGE_TYPE_DEBUG: [chars]`

Explanation This is a debug output from PIXM

Recommended Action Please collect PIXM tech support using 'show tech pixm-all' and 'show tech pixmc-all'

PLATFORM Messages

This section contains the PLATFORM messages.

PLATFORM-0

Error Message `PLATFORM-0-CHASSIS_CLKSWITCH: Hardware clock switched to redundant clock-[dec]`

Explanation Clock module on chassis deteted a failure and switched to redundant clock module.

Recommended Action Please perform a 'show platform internal info' to collect more information.

Error Message `PLATFORM-0-CHASSIS_CLKSWRESET: Switch reset due to clock switch`

Explanation Chassis clock source has failed and system will be reset. System will automatically start using redundant clock module.

Recommended Action Please refer to the platform document on clock modules.

Error Message `PLATFORM-0-CHASSIS_CLKSW_MODULE_RESET: Modules reset due to clock switch`

Explanation Chassis clock source has switched and all Vegas line cards will be reset. System will automatically continue using redundant clock module.

Recommended Action Please refer to the platform document on clock modules.

Error Message `PLATFORM-0-FAIL_REMOVED: Fan module removed. Fan[dec] has been absent for [dec] seconds`

Explanation Fan module is removed. This could lead to temperature alarms.

Recommended Action Replace the fan module ASAP.

Error Message `PLATFORM-0-MOD_TEMPWARMALRM: [chars] reported Warm temperature alarm. Sensor=[dec] Temperature=[dec] WarmThreshold=[dec]`

Explanation Module in slot [decimal digit] exceeded warm temperature threshold.

Recommended Action Please perform a 'show env temperature' to collect more information.

Error Message `PLATFORM-0-PFM_EMERGENCY: [chars]`

Explanation Platform Emergency

Recommended Action No action is required.

Error Message `PLATFORM-0-SUP_SPROM_ERROR: Unable to read SPROM for Sup in slot [dec]`

Explanation The supervisor in slot [decimal digit] was not able to read its SPROM.

Recommended Action No action is required.

Error Message `PLATFORM-0-SUP_WRONGSLOTNUM: Supervisor powered up in WRONG SLOT:[dec] (Serial`

number [chars])

Explanation The supervisor is comming up in wrong slot [decimal digit].

Recommended Action No action is required.

Error Message PLATFORM-0-SYS_LC_DRIVER_LOAD_FAILED: Failed to load linecard module drivers

Explanation Failed to load drivers.

Recommended Action Image is possibly corrupt. Try to load a different image.

Error Message PLATFORM-0-SYS_NO_SHUTDOWN_FAN_DIR_MISMATCH: PS/Fan-Tray Fan dir mismatch is detected - System auto shutdown is disabled. Rectify mismatch to avoid system malfunction.

Explanation Mismatch in direction between fan and ps module. System will not shutdown

Recommended Action Please perform a 'show env fan' to collect more information.

Error Message PLATFORM-0-SYS_RESET: [chars] System shutdown in [dec] seconds

Explanation System shutdown in [decimal digit] seconds.

Recommended Action Please perform a 'show env temperature' to collect more information.

Error Message PLATFORM-0-SYS_SHUTDOWN_FAN_DIR_MISMATCH: PS/Fan-Tray Fan dir mismatch is detected - System will shutdown in [dec] minutes if mismatch is not rectified

Explanation System shutdown in [decimal digit] seconds due to mismatch in direction between fan and ps module.

Recommended Action Please perform a 'show env fan' to collect more information.

Error Message PLATFORM-0-SYS_SHUTDOWN_FAN_REMOVAL: System shutdown in [dec] seconds due to fan removal

Explanation System shutdown in [decimal digit] seconds due to removal of fan module.

Recommended Action Please perform a 'show env fan' to collect more information.

Error Message PLATFORM-0-SYS_SHUTDOWN_MDS9124_FAN_FAIL: System shutdown in [dec] seconds due to less than 4 fans operating.

Explanation System shutdown in [decimal digit] seconds due to less than 4 fans operating.

Recommended Action Please perform a 'show env fan' to collect more information.

Error Message `PLATFORM-0-SYS_SHUTDOWN: System shutdown in [dec] seconds due to major temperature alarm`

Explanation System shutdown in [decimal digit] seconds due to temperature exceeding major threshold.

Recommended Action Please perform a 'show env temperature' to collect more information.

Error Message `PLATFORM-0-SYS_SUP_DRIVER_LOAD_FAILED: Failed to load supervisor module drivers`

Explanation Failed to load drivers.

Recommended Action Image is possibly corrupt. Try to load a different image

Error Message `PLATFORM-0-XBAR_CARD_CLK_FAIL: Xbar card in slot:[dec] (Serial number [chars]) encountered clock failure`

Explanation The xbar in slot [decimal digit] encountered clock failure.

Recommended Action No action is required.

Error Message `PLATFORM-0-XBAR_CARD_INCOMPAT_CHASSIS: Xbar card in slot:[dec] (Part number [chars]) Incompatible with backplane chassis Part Num:[chars]`

Explanation The xbar in slot [decimal digit] is incompatible with backplane chassis.

Recommended Action No action is required.

Error Message `PLATFORM-0-XBAR_WRONGSLOTNUM: Xbar powered up in WRONG SLOT:[dec] (Serial number [chars])`

Explanation The xbar in slot [decimal digit] powered up in wrong slot.

Recommended Action No action is required.

PLATFORM-1

Error Message `PLATFORM-1-FABRIC_SWITCH_FAN_FAIL: Less than 4 required fans operating.`

Explanation Fan module has failed leaving less than 4 total fans operating. Fan needs to be replaced. This can lead to overheating and temperature alarms.

Recommended Action Please perform a 'show platform internal info' to collect more information.

Error Message `PLATFORM-1-FAN_FAIL: Fan module Failed`

Explanation Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

Recommended Action Please perform a 'show platform internal info' to collect more information.

Error Message `PLATFORM-1-PFM_ALERT: [chars]`

Explanation Platform Alert

Recommended Action No action is required.

Error Message `PLATFORM-1-PS_SINGLE_INPUT: Both power inputs are connected for Power supplies, remove single-input configuration for optimal power usage`

Explanation Current power supply redundancy mode may not be optimal

Recommended Action Please perform a 'show environment power' and 'show platform internal info' to collect more information.

Error Message `PLATFORM-1-XBAR_PWRDENY: Xbar [dec] can not be powered up due to insufficient power (Serial number [chars])`

Explanation Available power in power supplies is not sufficient to power up the xbar

Recommended Action You can verify available power and current usage using command 'show env power'. Please refer to power supply document on how to increase power supply capacity.

PLATFORM-2

Error Message `PLATFORM-2-9134_FAN_FAIL: Fan module [dec] Failed`

Explanation Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

Recommended Action Please perform a 'show platform internal info' to collect more information.

Error Message `PLATFORM-2-9134_FAN_OK: Fan module [dec] ok`

Explanation Fan module is ok

Recommended Action No action is required.

Error Message `PLATFORM-2-ACTIVE_SUP_LESS_MEMORY: Active Sup and Standby Sup are different model. Replace Sup in slot [dec] with same memory config for continued redundancy post switchover`

Explanation Supervisor memory mismatch

Recommended Action No action is required.

Error Message `PLATFORM-2-BJ_CHANGE: Detected backup ioslice change to module [dec] instance [dec]`

Explanation Backup ioslice changed.

Recommended Action No action is required.

Error Message `PLATFORM-2-BOOTFLASH_LIFETIME_MAJOR: Bootflash lifetime usage crossed 95%. Collect 'show hardware internal bootflash log' and consult with product support team.`

Explanation Bootflash lifetime usage crossed 95%. Collect 'show hardware internal bootflash log' and consult with product support team.

Recommended Action Collect show system internal bootflash log and consult with product support team

Error Message `PLATFORM-2-CASA_FAN_FAIL: Fan module [dec] Failed`

Explanation Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

Recommended Action Please perform a 'show platform internal info' to collect more information.

Error Message `PLATFORM-2-CASA_FAN_OK: Fan module [dec] ok`

Explanation Fan module is ok

Recommended Action No action is required.

Error Message `PLATFORM-2-CHASSIS_CLKMODFAULTY: Chassis clock module [dec] faulty`

Explanation Clock module on chassis is faulty or has been removed.

Recommended Action Please perform a 'show platform internal info' to collect more information.

Error Message `PLATFORM-2-CHASSIS_CLKMODOK: Chassis clock module [dec] ok`

Explanation Clock module on chassis is functioning properly.

Recommended Action No action is required.

Error Message `PLATFORM-2-CHASSIS_CLKSRC: Current chassis clock source is clock-[dec]`

Explanation The current chassis clock source is [decimal digit].

Recommended Action No action is required.

Error Message `PLATFORM-2-DJBJ_DISTRIBUTE: Distribute Mode`

Explanation Ioslice distribute mode.

Recommended Action No action is required.

Error Message `PLATFORM-2-DJ_CHANGE: Detected designated ioslice change to module [dec] instance [dec]`

Explanation Designated ioslice changed.

Recommended Action No action is required.

Error Message `PLATFORM-2-FANLET_FAN_FAIL: Failed Fanlets for Fan [dec] ([chars] fan) : [chars]`

Explanation The specified fanlets have failed. This can lead to overheating and temperature alarms.

Recommended Action Please perform a 'show platform internal info' to collect more information.

Error Message `PLATFORM-2-FANMOD_FAN_FAIL: Fan module [dec] ([chars] fan) Failed/Removed`

Explanation Fan module has failed and needs to be replaced. This can lead to overheating and temperature alarms.

Recommended Action Please perform a 'show platform internal info' to collect more information.

Error Message `PLATFORM-2-FANMOD_FAN_OK: Fan module [dec] ([chars] fan) ok`

Explanation Fan module is ok

Recommended Action No action is required.

Error Message `PLATFORM-2-FAN_OK: Fan module ok`

Explanation Fan module is ok

Recommended Action No action is required.

Error Message `PLATFORM-2-FAN_REMOVED: Fan module [dec] (Serial number [chars]) [chars] removed`

Explanation Fan module is removed

Recommended Action No action is required.

Error Message `PLATFORM-2-INSUFFICIENT_MAC: Ran out of Mac address to program management port on all the non-default VDCs`

Explanation Could not program the mac address for the management port of all the VDCs

Recommended Action No action is required.

Error Message `PLATFORM-2-INVALID_SUPERVISOR_MODULE_COMBINATION: This combination of supervisor and fabric/linecard modules is not supported. Please update your chassis with a supported hardware configuration.`

Explanation This combination of supervisor and linecard modules is not supported. Please update your chassis with a supported hardware configuration.

Recommended Action Check your hardware configuration and install supported modules

Error Message `PLATFORM-2-MEMORY_ALERT_RECOVERED: Memory Status Alert : [chars]`

Explanation Memory alert event received

Recommended Action None

Error Message `PLATFORM-2-MEMORY_ALERT: Memory Status Alert : [chars]. Usage [chars]% of Available Memory`

Explanation Memory alert event received

Recommended Action None

Error Message `PLATFORM-2-MODULE_EJECTOR_POLICY_DISABLED: Ejector based shutdown disabled for Module [dec] [chars]. Please close all the ejectors to enable ejector based shutdown`

Explanation Ejector based shutdown has been disabled

Recommended Action Close all the ejectors to enable ejector based shutdown

Error Message `PLATFORM-2-MODULE_EJECTOR_POLICY_ENABLED: All Ejectors closed for module [dec]. Ejector based shutdown enabled`

Explanation Ejector based shutdown has been enabled

Recommended Action None

Error Message `PLATFORM-2-MOD_ALL_PARTIAL_LC_PWRDN_FABRIC_MODE: Partially connected line-card modules powered down due to configured fabric mode`

Explanation Partially line-card modules in switch are powered down because of configured fabric mode

Recommended Action Please perform a 'show module', 'show platform internal all module [decimal digit]' , 'show system fabric-mode' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors. Atleast one partially connected fabric module has to be online for partially connected line-card modules to function

Error Message `PLATFORM-2-MOD_ALL_PARTIAL_LC_PWRDN_NOFM: Partially connected line-card modules powered down due to no connectivity with existing fabric modules`

Explanation Partially line-card modules in switch are powered down because of no connectivity to exisiting fabric modules

Recommended Action Please perform a 'show module', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors. Atleast one partially connected fabric module has to be online for partially connected line-card modules to function

Error Message `PLATFORM-2-MOD_ALL_PWRDN_NOFM: All line-card modules powered down due to non-availability of fabric modules`

Explanation All line-card modules in switch are powered down because all fabric modules are offline

Recommended Action Please perform a 'show module', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors. Atleast one fabric module has to be online for line-card modules to function

Error Message `PLATFORM-2-MOD_ALL_PWRDN_NOSC: All fabric, line-card modules powered down due to non-availability of system controller modules`

Explanation All fabric, line-card modules in switch are powered down because all system controller modules are offline

Recommended Action Please perform a 'show module', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors. Atleast one system-controller module has to be online for fabric, line-card modules to function

Error Message `PLATFORM-2-MOD_ALL_PWRDN_NOXBAR: All modules powered down due to non-availability of xbar modules`

Explanation All modules in switch are powered down because all xbar modules are offline

Recommended Action Please perform a 'show module', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors. Atleast one xbar module has to be for modules to function

Error Message `PLATFORM-2-MOD_DETECT: Module [dec] detected (Serial number [chars]) Module-Type [chars] Model [chars]`

Explanation A new module in slot [decimal digit] is detected.

Recommended Action No action is required.

Error Message `PLATFORM-2-MOD_INSERTED: Module [dec] inserted ([chars]), [dec] VNICs mapped`

Explanation A new module in slot [decimal digit] is virtually inserted.

Recommended Action No action is required.

Error Message `PLATFORM-2-MOD_INSERTION_FAILED: Failed to insert module [dec] ([chars] - [chars])`

Explanation Failed to virtually insert a new module in slot [decimal digit].

Recommended Action The exact reason for the failure should be in the syslog output.

Error Message `PLATFORM-2-MOD_PRESENT: Detected the presence of Module [dec]`

Explanation A new module in slot [decimal digit] is inserted.

Recommended Action No action is required.

Error Message `PLATFORM-2-MOD_PWRDENY: Module [dec] can not be powered up due to insufficient power (Serial number [chars])`

Explanation Available power in power supplies is not sufficient to power up the module

Recommended Action You can verify available power and current usage using command 'show env power'. Please refer to power supply document on how to increase power supply capacity.

Error Message `PLATFORM-2-MOD_PWRDN: Module [dec] powered down (Serial number [chars])`

Explanation The module in slot [decimal digit] is powered down.

Recommended Action Please perform a 'show module', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors.

Error Message `PLATFORM-2-MOD_PWRFAIL_EJECTORS_OPEN: All ejectors open, Module [dec] will not be powered up (Serial number [chars])`

Explanation The module can not be powered up because all the ejectors are open

Recommended Action Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

Error Message `PLATFORM-2-MOD_PWRFAIL: Module [dec] failed to power up (Serial number [chars])`

Explanation The module in slot [decimal digit] failed to power up

Recommended Action Please perform a 'show platform internal all module [decimal digit]' and to collect more information.

Error Message `PLATFORM-2-MOD_PWRIDPROMFAIL: Module [dec] failed to power up due to IDPROM read error`

Explanation The module can not be powered up due to IDPROM read error

Recommended Action Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom module [dec] [dec]' to read module IDPROM contents to collect more information.

Error Message `PLATFORM-2-MOD_PWRIDPROM_SW_CARD_ID_UNKNOWN: Module [dec] failed to power up. (Unknown card. Could not get software-card-id)`

Explanation The module can not be powered up due to missing SWID in core-plugin for this CARDID

Recommended Action Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom module [dec] [dec]' to read module IDPROM contents to collect more information.

Error Message `PLATFORM-2-MOD_PWRUP_FM: Modules powered up due to fabric-module availability`

Explanation Modules powered up because atleast one fabric module is online

Recommended Action No action needed

Error Message `PLATFORM-2-MOD_PWRUP_PARTIAL_FM: Partially connected line-card modules powered up due to available connectivity with fabric-modules`

Explanation Partially connected line-card modules powered up because atleast one fabric module is online

Recommended Action No action needed

Error Message `PLATFORM-2-MOD_PWRUP_SC: Modules powered up due to system-controller module availability`

Explanation Modules powered up because atleast one system-controller module is online

Recommended Action No action needed

Error Message `PLATFORM-2-MOD_PWRUP_XBAR: Modules powered up due to xbar availability`

Explanation Modules powered up because atleast one xbar module is online

Recommended Action No action needed

Error Message `PLATFORM-2-MOD_PWRUP: Module [dec] powered up (Serial number [chars])`

Explanation The module in slot [decimal digit] is powered up.

Recommended Action No action is required.

Error Message `PLATFORM-2-MOD_REMOVE: Module [dec] removed (Serial number [chars])`

Explanation The module in slot [decimal digit] has been removed.

Recommended Action No action is required.

Error Message `PLATFORM-2-MOD_TEMPMAJALRM: [chars] reported Major temperature alarm. Sensor=[dec] Temperature=[dec] MajThreshold=[dec]`

Explanation Module in slot [decimal digit] exceeded major temperature threshold.

Recommended Action Please perform a 'show env temperature' to collect more information.

Error Message `PLATFORM-2-MOD_TEMPMAJOR2WARM: [chars] recovered from minor temperature alarm. Warm alarm pending. Sensor=[dec] Temperature=[dec] MajTheshold=[dec] WarmThreshold=[dec]`

Explanation Module in slot [decimal digit] warm temperature threshold.

Recommended Action Please perform a 'show env temperature' to collect more information.

Error Message `PLATFORM-2-MOD_TEMPMAJOR_OK: [chars] recovered from major temperature alarm. Sensor=[dec] Temperature=[dec] MajThreshold=[dec]`

Explanation Module in slot [decimal digit] major temperature threshold.

Recommended Action Please perform a 'show env temperature' to collect more information.

Error Message `PLATFORM-2-MOD_TEMPMINALRM: [chars] reported minor temperature alarm. Sensor=[dec] Temperature=[dec] MinThreshold=[dec]`

Explanation Module in slot [decimal digit] has exceeded minor temperature threshold.

Recommended Action Please perform a 'show env temperature' to collect more information.

Error Message `PLATFORM-2-MOD_TEMPMINOR2WARM: [chars] recovered from minor temperature alarm. Warm alarm pending. Sensor=[dec] Temperature=[dec] MinTheshold=[dec] WarmThreshold=[dec]`

Explanation Module in slot [decimal digit] warm temperature threshold.

Recommended Action Please perform a 'show env temperature' to collect more information.

Error Message `PLATFORM-2-MOD_TEMPOK: [chars] recovered from minor temperature alarm. Sensor=[dec] Temperature=[dec] MinThreshold=[dec]`

Explanation Module in slot [decimal digit] minor temperature threshold.

Recommended Action Please perform a 'show env temperature' to collect more information.

Error Message `PLATFORM-2-MOD_TEMPRECOVER: [chars] recovered from major temperature alarm. Minor temperature alarm pending. Sensor=[dec] Temperature=[dec] MajThreshold=[dec] MinThresh=[dec]`

Explanation Module in slot [decimal digit] recovered from major temperature threshold. Minor threshold still exceeded.

Recommended Action Please perform a 'show env temperature' to collect more information.

Error Message `PLATFORM-2-MOD_TEMPSHUTDOWN: [chars] powered down due to major temperature alarm for Sensor [dec].`

Explanation Module in slot [decimal digit] shutdown due to temperature exceeding major threshold.

Recommended Action Please perform a 'show env temperature' to collect more information.

Error Message `PLATFORM-2-MOD_TEMPSKIPSHUTDOWN: [chars] reported Major temperature alarm. Sensor [dec] is XCVR sensor, skip shutdown`

Explanation Module in slot [decimal digit] exceeded major temperature threshold.

Recommended Action Please perform a 'show env temperature' to collect more information.

Error Message `PLATFORM-2-MOD_TEMPWARM_OK: [chars] recovered from warm temperature alarm. Sensor=[dec] Temperature=[dec] WarmThreshold=[dec]`

Explanation Module in slot [decimal digit] warm temperature threshold.

Recommended Action Please perform a 'show env temperature' to collect more information.

Error Message `PLATFORM-2-PFM_CRITICAL: [chars]`

Explanation Platform Critical

Recommended Action No action is required.

Error Message `PLATFORM-2-PFM_FATW_BUS_SWITCH_FAIL: Backplane two wire [chars] bus connection fault detected but failed to perform bus switchover(BUS_A to BUS_B)`

Explanation Could not access some modules using BUS_A, but can access using BUS_B

Recommended Action Please perform a 'show platform internal err'

Error Message `PLATFORM-2-PFM_FATW_BUS_SWITCH: Backplane two wire [chars] bus connection or device fault caused bus switchover(BUS_A to BUS_B)`

Explanation Could not access some modules using BUS_A, but can access using BUS_B

Recommended Action Please perform a 'show platform internal err'

Error Message `PLATFORM-2-PFM_IMG_CMPT_FAIL: Image version is not supported in this chassis.`

Explanation This image version is not supported in this chassis.

Recommended Action Sup-platform

Error Message `PLATFORM-2-PFM_LC_BOOT_DEV_ABSENT: No bootflash found in Module [dec]`

Explanation No bootflash found.

Recommended Action Try to put in a bootflash in the module and try again.

Error Message `PLATFORM-2-PFM_LC_BOOT_DEV_FAIL: Bootflash access error in Module [dec]`

Explanation Bad bootflash/corrupted filesystem.

Recommended Action Try to put in a known good bootflash in the module and try again.

Error Message `PLATFORM-2-PFM_LC_MOD_POWERED_DOWN: Module [dec] Powered Down. Module is not supported in this chassis. (Chassis Incompatible card)`

Explanation Module Powered Down, because Module is not supported in this chassis. (Chassis Incompatible card)

Recommended Action Please perform a 'show module' to see the Power Down reason.

Error Message `PLATFORM-2-PFM_LC_NETBOOT_FAIL: Netboot for Module [dec] failed`

Explanation Netboot failed.

Recommended Action Try to replace the BIOS in the module.

Error Message `PLATFORM-2-PFM_LC_REGISTRATION_FAIL: Could not register with Module [dec]`

Explanation Module registration failed.

Recommended Action Try to replace the module.

Error Message `PLATFORM-2-PFM_LC_STATUS: Module [dec] powered up with [dec] status`

Explanation Status for the module that failed registration.

Recommended Action Try to replace the module.

Error Message `PLATFORM-2-PFM_LOW_MEMORY_CONDITION: Module [dec] is running low on memory. [dec] percent used`

Explanation Supervisor is running low on memory

Recommended Action Switchover

Error Message `PLATFORM-2-PFM_MODULE_POWER_OFF_TRIGGER: Power-off [chars] due to [chars] policy trigger`

Explanation Policy trigger initiated a module poweroff

Recommended Action None

Error Message `PLATFORM-2-PFM_MODULE_POWER_OFF: Manual power-off of [chars] from Command Line Interface`

Explanation User initiated a module power-off from the CLI

Recommended Action None

Error Message `PLATFORM-2-PFM_MODULE_POWER_ON: Manual power-on of [chars] from Command Line Interface`

Explanation User initiated a module power-on from the CLI

Recommended Action None

Error Message `PLATFORM-2-PFM_MODULE_RESET: Manual restart of Module [dec] from Command Line Interface`

Explanation User initiated a module reload from the CLI

Recommended Action None

Error Message `PLATFORM-2-PFM_NETBOOT_DISABLE: Netboot for supervisor module in slot [dec] is disabled due to incompatible platform`

Explanation Standby supervisor failed to powerup.

Recommended Action Try to replace the standby supervisor.

Error Message `PLATFORM-2-PFM_POE_DISABLING: The only 1900W power supply is shutdown, No Power delivered on POE ports.`

Explanation No 1900W power supply to support POE

Recommended Action No action is required.

Error Message `PLATFORM-2-PFM_PREP_DEEP_SLEEP: Supervisor module in slot [dec] preparing to enter deep sleep mode`

Explanation Deep sleep mode initiated by the Connectivity Management Processor (CMP) for this supervisor

Recommended Action No action is required.

Error Message `PLATFORM-2-PFM_PWR_MGMT_EPLD_VER_MISMATCH: Module [dec] Pwr Mgmt Epld (Version-[dec]) needs to be upgraded`

Explanation Using a wrong version of Epld version can result in unexplainable behaviour

Recommended Action Upgrade Power Managment EPLD

Error Message `PLATFORM-2-PFM_STDBY_POWERUP_FAIL: standby supervisor failed to powerup`

Explanation Standby supervisor failed to powerup.

Recommended Action Try to replace the standby supervisor.

Error Message `PLATFORM-2-PFM_SYSTEM_RESET_TIMER: Manual system restart with [dec] seconds delay from Command Line Interface`

Explanation User initiated a system reload with delay from the CLI

Recommended Action None

Error Message `PLATFORM-2-PFM_SYSTEM_RESET_TRIGGER: System restart due to [chars] policy trigger`

Explanation Policy/trigger initiated a system reload

Recommended Action None

Error Message `PLATFORM-2-PFM_SYSTEM_RESET: Manual system restart from Command Line Interface`

Explanation User initiated a system reload from the CLI

Recommended Action None

Error Message `PLATFORM-2-PFM_SYSTEM_SHUTDOWN_TRIGGER: System shutdown due to [chars] policy trigger`

Explanation Policy/trigger initiated a system shutdown

Recommended Action None

Error Message `PLATFORM-2-PFM_SYS_RESET_IMG_CMPT_FAIL: *********ERROR:System reset due to unsupported image version********`

Explanation System reset is triggered because of unsupported image version in this chassis.

Recommended Action Sup-platform

Error Message `PLATFORM-2-PFM_XBAR_RESET: Manual restart of Xbar [dec] from Command Line Interface`

Explanation User initiated a xbar reload from the CLI

Recommended Action None

Error Message `PLATFORM-2-PLUGIN_ABSENT: Module in slot[dec] (sw_card_id=[dec]) has missing plugin`

Explanation Plugin not loaded, The LC cannot be poweredup

Recommended Action Load the associated plugin

Error Message `PLATFORM-2-PS_ABSENT: Power supply [dec] is absent/shutdown, ps-redundancy might be affected`

Explanation Power Supply is absent.

Recommended Action No action is required.

Error Message `PLATFORM-2-PS_CAPACITY_CHANGE: Power supply PS[dec] changed its capacity. possibly due to On/Off or power cable removal/insertion (Serial number [chars])`

Explanation Detected power supply capacity change.

Recommended Action Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc. Please perform 'show environment power' and 'show platform internal info' to collect more information.

Error Message `PLATFORM-2-PS_CAPACITY_DIFFER: Detected power supplies with differing capacity. It is recommended to have same capacity for both powersupplies otherwise it may cause service disruptions`

Explanation Detected a power supply that has differing capacity than an the otherpower supply.

Recommended Action Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc. Please perform 'show environment power' and 'show platform internal info' to collect more information.

Error Message `PLATFORM-2-PS_DETECT: Power supply [dec] detected but shutdown (Serial number [chars])`

Explanation Power Supply is detected but shutdown.

Recommended Action Please perform a 'show environment power' and 'show platform internal info' to collect more information.

Error Message `PLATFORM-2-PS_FAIL: Power supply [dec] failed or shut down (Serial number [chars])`

Explanation Power Supply has failed or has been shutdown

Recommended Action Please perform a 'show environment power' and 'show platform internal info' to collect more information. Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc.

Error Message `PLATFORM-2-PS_FANFAIL: Fan in Power supply [dec] failed`

Explanation Fan module in the Power Supply has failed

Recommended Action Please perform a 'show environment power' and 'show platform internal info' to collect more information.

Error Message `PLATFORM-2-PS_FANOK: Fan in Power supply [dec] ok`

Explanation Fan module in the Power Supply is ok.

Recommended Action No action is required.

Error Message `PLATFORM-2-PS_MISMATCH: Detected power supply [chars]. This reduces the redundant power available to the system and can cause service disruptions (Serial number [chars])`

Explanation Detected a new power supply that has reduced capacity than an existing power supply.

Recommended Action Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc. Please perform 'show environment power' and 'show platform internal info' to collect more information.

Error Message `PLATFORM-2-PS_OK: Power supply [dec] ok (Serial number [chars])`

Explanation Power Supply is ok.

Recommended Action No action is required.

Error Message `PLATFORM-2-PS_PWR_INPUT_MISSING: Power supply [dec] present but all AC/DC inputs are not connected, power redundancy might be affected`

Explanation Power Supply is present but not at full capacity.

Recommended Action No action is required.

Error Message `PLATFORM-2-PS_RED_MODE_CHG: Power supply operational redundancy mode changed to [chars]`

Explanation Power supply redundancy mode changed notification

Recommended Action Please perform a 'show environment power' and 'show platform internal info' to collect more information.

Error Message `PLATFORM-2-PS_RED_MODE_RESTORED: Power redundancy operational mode changed to configured mode`

Explanation Power Supply redundancy mode changes.

Recommended Action No action is required.

Error Message `PLATFORM-2-PS_REMOVE_LAST: Unexpected removal of last power supply [dec]. (Serial number [chars])`

Explanation Unexpected removal the only power supply in the system.

Recommended Action Power supply unit may be faulty. Contact CISCO to replace the unit.

Error Message `PLATFORM-2-PS_REMOVE: Power supply [dec] removed (Serial number [chars])`

Explanation Power Supply is removed.

Recommended Action No action is required.

Error Message `PLATFORM-2-PS_UNKNOWN: Detected an unknown power supply [dec] for CISCO Multilayer Switch (Serial number [chars])`

Explanation Unable to determine power supply type. Default power supply types will be assumed.

Recommended Action Please refer to power supply document on increasing decreasing power supply capacity, configuring power supplies, etc.

Error Message `PLATFORM-2-PS_UNSUPPORTED: Detected an unsupported power supply [dec] [chars] for CISCO Multilayer Switch (Serial number [chars])`

Explanation This power supply is not supported for the CISCO Multilayer Switches.

Recommended Action Please refer to power supply document on increasing decreasing power

supply capacity, configuring power supplies, etc.

Error Message `PLATFORM-2-SSD_PARTITION_CHECK: [chars]`

Explanation SSD partitioning check.

Recommended Action No action is required.

Error Message `PLATFORM-2-SUP_UNSUPPORTED: Unsupported card detected in supervisor slot [dec] powered down`

Explanation The module in slot [decimal digit] has been powered down.

Recommended Action No action is required.

Error Message `PLATFORM-2-SYS_IDPROMBAD_RECOVER_FAIL: Chassis IDPROM [dec] data re-initialization Un-successful. Data is invalid`

Explanation Chassis IDPROM [decimal digit] re-initialization was unsuccessful. Data is invalid.

Recommended Action Please perform a 'show sprom module [decimal digit] 1' to read module IDPROM contents and collect more information.

Error Message `PLATFORM-2-SYS_IDPROMBAD_RECOVER_PASS: Chassis IDPROM [dec] data re-initialized successfully`

Explanation Chassis IDPROM [decimal digit] invalid data was succesfully re-initialized to valid.

Recommended Action Please perform a 'show sprom module [decimal digit] 1' to read module IDPROM contents and verify the information.

Error Message `PLATFORM-2-SYS_IDPROMBAD: Chassis IDPROM [dec] data invalid`

Explanation Chassis IDPROM [decimal digit] contains invalid data.

Recommended Action Please perform a 'show sprom module [decimal digit] 1' to read module IDPROM contents and collect more information.

Error Message `PLATFORM-2-VRM_UPDATE: [chars]`

Explanation VRM firmware updates.

Recommended Action No action is required.

Error Message `PLATFORM-2-XBAR_DETECT: Xbar [dec] detected (Serial number [chars])`

Explanation A new xbar in slot [decimal digit] is detected.

Recommended Action No action is required.

Error Message `PLATFORM-2-XBAR_EJECTOR_POLICY_DISABLED: Ejector based shutdown disabled for Xbar [dec][chars]. Please close all the ejectors to enable ejector based shutdown`

Explanation Ejector based shutdown has been disabled

Recommended Action Close all the ejectors to enable ejector based shutdown

Error Message `PLATFORM-2-XBAR_EJECTOR_POLICY_ENABLED: All Ejectors closed for Xbar [dec]. Ejector based shutdown enabled`

Explanation Ejector based shutdown has been enabled

Recommended Action None

Error Message `PLATFORM-2-XBAR_PWRFAIL_EJECTORS_OPEN: All ejectors open, Xbar [dec] will not be powered up (Serial number [chars])`

Explanation The xbar can not be powered up because all the ejectors are open

Recommended Action Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

Error Message `PLATFORM-2-XBAR_REMOVE: Xbar [dec] removed (Serial number [chars])`

Explanation The xbar in slot [decimal digit] has been removed.

Recommended Action No action is required.

PLATFORM-3

Error Message `PLATFORM-3-BOOTFLASH_LIFETIME_MINOR: Bootflash lifetime usage crossed 80%. Collect 'show hardware internal bootflash log' and consult with product support team.`

Explanation Bootflash lifetime usage crossed 80%. Collect 'show hardware internal bootflash log' and consult with product support team.

Recommended Action Collect show system internal bootflash log and consult with product support team

Error Message `PLATFORM-3-EJECTOR_STAT_CHANGED: Ejectors' status in slot [dec] has changed,`

`[chars] Ejector is [chars], [chars] Ejector is [chars]`

Explanation Ejector status has changed

Recommended Action None

Error Message `PLATFORM-3-MOD_BRINGUP_MULTI_LIMIT: Giving up after multiple attempts were made to bring up the Module [dec], (Serial number [chars])`

Explanation The module can not be powered up even after three attempts

Recommended Action Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

Error Message `PLATFORM-3-MOD_PWRFAIL_MULTI: Module [dec] failed to power up multiple times (Serial number [chars])`

Explanation The module can not be powered up even after three attempts

Recommended Action Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

Error Message `PLATFORM-3-PFM_ERROR: [chars]`

Explanation Platform Error

Recommended Action No action is required.

Error Message `PLATFORM-3-SINGLE_EJECTOR_STAT_CHANGED: Ejectors' status in slot [dec] has changed, Ejector is [chars]`

Explanation Ejector status has changed

Recommended Action None

Error Message `PLATFORM-3-XBAR_BRINGUP_MULTI_LIMIT: Giving up after multiple attempts were made to bring up the Xbar [dec], (Serial number [chars])`

Explanation The module can not be powered up even after three attempts

Recommended Action Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contXBA ents to collect more information.

Error Message `PLATFORM-3-XBAR_PWRFAIL_MULTI: Xbar [dec] failed to power up multiple times (Serial number [chars])`

Explanation The xbar can not be powered up even after three attempts

Recommended Action Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

Error Message `PLATFORM-3-XBAR_PWRFAIL: Xbar [dec] failed to power up (Serial number [chars])`

Explanation The xbar in slot [decimal digit] failed to power up

Recommended Action Please perform a 'show platform internal all module [decimal digit]' and to collect more information.

Error Message `PLATFORM-3-XBAR_PWRIDPROMFAIL: Xbar [dec] failed to power up due to IDPROM read error`

Explanation The xbar can not be powered up due to IDPROM read error

Recommended Action Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

Error Message `PLATFORM-3-XBAR_PWRIDPROM_SW_CARD_ID_UNKNOWN: Xbar [dec] failed to power up. (Unknown card. Could not get software-card-id)`

Explanation The xbar can not be powered up due to missing SWID in core-plugin for this CARDID

Recommended Action Please perform a 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' 'show sprom xbar [dec] [dec]' to read module IDPROM contents to collect more information.

PLATFORM-4

Error Message `PLATFORM-4-MOD_TEMPACCESSFAIL: [chars] temperature sensor [dec] access failed`

Explanation Module in slot [decimal digit] unable to access temperature sensor.

Recommended Action Please perform a 'show env temperature' to collect more information.

Error Message `PLATFORM-4-MOD_TEMPFAIL: [chars] temperature sensor [dec] failed (or inaccessible) - collect show tech gold and show tech module`

Explanation Module in slot [decimal digit] contains a faulty temperature sensor.

Recommended Action Please perform a 'show env temperature' to collect more information.

Error Message `PLATFORM-4-PFM_FAN_FLTR_STATUS: Fan Filter status: [chars]`

Explanation Fan Filter status: Present/Absent

Recommended Action Please perform a 'show platform internal info.

Error Message `PLATFORM-4-PFM_PS_RED_MODE_CHG: Power redundancy configured mode changed to [chars]`

Explanation Power redundancy mode changed

Recommended Action Please perform a 'show platform internal info.

Error Message `PLATFORM-4-PFM_PWR_CYCLE_REQ: [chars]`

Explanation EPLD upgrade/downgrade requires power cycle.

Recommended Action No action is required.

Error Message `PLATFORM-4-PFM_WARNING: [chars]`

Explanation Platform Warning

Recommended Action No action is required.

PLATFORM-5

Error Message `PLATFORM-5-FAN_DETECT: Fan module [dec] (Serial number [chars]) [chars] detected`

Explanation Fan module is detected

Recommended Action No action is required.

Error Message `PLATFORM-5-FAN_STATUS: Fan module [dec] (Serial number [chars]) [chars] current-status is [chars]`

Explanation Fan module changed status

Recommended Action No action is required.

Error Message `PLATFORM-5-FEX_FAN_DETECT: Fex [dec] Fan Module [dec] detected`

Explanation Fex Fan module is detected

Recommended Action No action is required.

Error Message `PLATFORM-5-FEX_FAN_REMOVE: Fex [dec] Fan Module [dec] removed`

Explanation Fex Fan module is removed

Recommended Action No action is required.

Error Message `PLATFORM-5-FEX_PS_FOUND: Fex [dec] Power Supply [dec] found (Serial number [chars])`

Explanation Fex power supply is found

Recommended Action No action is required.

Error Message `PLATFORM-5-FEX_PS_REMOVE: Fex [dec] Power Supply [dec] removed (Serial number [chars])`

Explanation Fex power supply is removed

Recommended Action No action is required.

Error Message `PLATFORM-5-MOD_STATUS: [chars] current-status is [chars]`

Explanation Module in slot [decimal digit] changed status.

Recommended Action No action is required.

Error Message `PLATFORM-5-PFM_NOTICE: [chars]`

Explanation Platform Notice

Recommended Action No action is required.

Error Message `PLATFORM-5-POE_DISABLING: The only 1100W power supply is shutdown, Disabling POE.`

Explanation No 1100W power supply to support POE

Recommended Action No action is required.

Error Message `PLATFORM-5-PS_FOUND: Power supply [dec] found (Serial number [chars])`

Explanation Power Supply is detected.

Recommended Action No action is required.

Error Message `PLATFORM-5-PS_STATUS: PowerSupply [dec] current-status is [chars] [chars]`

Explanation Module in slot [decimal digit] changed status.

Recommended Action No action is required.

Error Message `PLATFORM-5-XBAR_PWRDN: Xbar [dec] powered down (Serial number [chars])`

Explanation The xbar in slot [decimal digit] is powered down.

Recommended Action Please perform a 'show module xbar', 'show platform internal all module [decimal digit]' and 'show module internal all module [decimal digit]' to collect more information if you suspect module has been powered down due to errors.

Error Message `PLATFORM-5-XBAR_PWRUP: Xbar [dec] powered up (Serial number [chars])`

Explanation The xbar in slot [decimal digit] is powered up.

Recommended Action No action is required.

PLATFORM-6

Error Message `PLATFORM-6-PFM_FAN_SPEED: [chars]`

Explanation Fan Speed: For Zones

Recommended Action Please perform a 'show platform internal info.

Error Message `PLATFORM-6-PFM_INFO: [chars]`

Explanation Platform Info

Recommended Action No action is required.

PLATFORM-7

Error Message `PLATFORM-7-PFM_CLOCK_UPD_FAIL: Clock update failed due to context-switch delay`

of [dec] msec

Explanation System shutdown in [decimal digit] seconds.

Recommended Action Please perform a 'show env temperature' to collect more information.

PLOG_SUP Messages

This section contains the PLOG_SUP messages.

PLOG_SUP-4

Error Message PLOG_SUP-4-PLOG_SUP_EXIT: Persistent Logger encountered an error [dec].

Explanation Persistent Logger encountered an error

Recommended Action No action is required.

PLOG Messages

This section contains the PLOG messages.

PLOG-4

Error Message PLOG-4-PLOG_LC_EXIT: Persistent Logger encountered an error [dec]

Explanation Persistent Logger encountered an error

Recommended Action No action is required.

POAP Messages

This section contains the POAP messages.

POAP-2

Error Message POAP-2-POAP_AUTOCOPY_TIMEOUT: [chars] - Standby autocopy timed out

Explanation POAP timed out waiting for standby image autocopy.

Recommended Action No action is required.

Error Message `POAP-2-POAP_AUTOCOPY_WAIT: [chars] - Standby image copy in progress`

Explanation POAP is waiting for standby image autoopy.

Recommended Action No action is required.

Error Message `POAP-2-POAP_DHCP_DISCOVER_RECVD_NAK: [chars] - Received DHCP NAK`

Explanation Received DHCP NAK

Recommended Action No action is required.

Error Message `POAP-2-POAP_DHCP_DISCOVER_START: [chars] - POAP DHCP Discover phase started`

Explanation POAP DHCP Discover phase started

Recommended Action No action is required.

Error Message `POAP-2-POAP_FAILURE_READ_MODINFO: [chars] - Failure to read module info`

Explanation POAP failure to read module info

Recommended Action No action is required.

Error Message `POAP-2-POAP_FAILURE: [chars] - [chars]`

Explanation POAP failure

Recommended Action No action is required.

Error Message `POAP-2-POAP_INFO: [chars] - [chars]`

Explanation POAP Info

Recommended Action No action is required.

Error Message `POAP-2-POAP_INITED: [chars] - POAP process initialized`

Explanation POAP process initialized

Recommended Action No action is required.

Error Message `POAP-2-POAP_RELOAD_DEVICE: [chars] - Reload device`

Explanation POAP reload device.

Recommended Action No action is required.

Error Message `POAP-2-POAP_SCRIPT_DOWNLOADED: [chars] - Successfully downloaded POAP script file`

Explanation Successfully downloaded POAP script file

Recommended Action No action is required.

Error Message `POAP-2-POAP_SCRIPT_EXEC_SUCCESS: [chars] - POAP script execution success`

Explanation POAP script execution success

Recommended Action No action is required.

Error Message `POAP-2-POAP_SCRIPT_STARTED_MD5_NOT_VALIDATED: [chars] - POAP script execution started(MD5 not validated)`

Explanation POAP script execution started(MD5 not validated)

Recommended Action No action is required.

Error Message `POAP-2-POAP_SCRIPT_STARTED_MD5_VALIDATED: [chars] - POAP script execution started(MD5 validated)`

Explanation POAP script execution started(MD5 validated)

Recommended Action No action is required.

Error Message `POAP-2-POAP_SCRIPT_STARTED_MD5_VALIDATION_FAIL: [chars] - POAP boot file validation failed`

Explanation POAP boot file validation failed.

Recommended Action No action is required.

POAP-5

Error Message `POAP-5-POAP_DISABLED: [chars] - POAP Disabled`

Explanation POAP Service Disabled

Recommended Action No action is required.

Error Message `POAP-5-POAP_ENABLED: [chars] - POAP Enabled`

Explanation POAP Service nabled

Recommended Action No action is required.

PONG Messages

This section contains the PONG messages.

PONG-5

Error Message `PONG-5-PONG_DISABLED: Pong Manager disabled`

Explanation Pong Service Enabled

Recommended Action No action is required.

Error Message `PONG-5-PONG_ENABLED: Pong Manager enabled`

Explanation Pong Service Enabled

Recommended Action No action is required.

Error Message `PONG-5-PONG_INJECTED: Pong packet injected`

Explanation Pong packet injected

Recommended Action No action is required.

PORT-CHANNEL Messages

This section contains the PORT-CHANNEL messages.

PORT-CHANNEL-1

Error Message `PORT-CHANNEL-1-LC_CFG_FAILURE: configuring module [dec] failed [[chars]]`

Explanation Module configuration failed

Recommended Action Module will be automatically reset

Error Message `PORT-CHANNEL-1-MALLOC_FAILED: cannot allocate memory (size [dec])`

Explanation No enough memory

Recommended Action No action is required.

Error Message `PORT-CHANNEL-1-MAP_PARAM_FAILURE: mapping parameter failed for [chars] [[chars]]`

Explanation Parameter mapping failed

Recommended Action Specified service is misbehaving; check its status

Error Message `PORT-CHANNEL-1-MCAST_SEND_FAILURE: failed to send multicast [chars]: [chars]`

Explanation Failed to send a multicast message to all modules, usually because some module went down

Recommended Action Run show port-channel consistency to check consistency

Error Message `PORT-CHANNEL-1-PC_BUNDLE_ID_NOT_CORRECT: [chars] : PC Bundle ([dec]) not equal to expected value ([dec]). Flapping the port-channel`

Explanation Bundle of pc is not equal to port-channel id minus one, flap of the port-channel is performed

Recommended Action Flap of the port-channel was done since bundle was not equal to expected value. Check is PC traffic is restored fine.

PORT-CHANNEL-2

Error Message `PORT-CHANNEL-2-AUTO_CREATE_DISABLED: [chars] has been deprecated; [chars] [chars]`

Explanation Auto create port-channel is deprecated and disabled

Recommended Action Convert the auto created channel to presistent by doing port-channel

persistent

Error Message `PORT-CHANNEL-2-RESET_MODULE: reset module [dec] for not responding or returning error`

Explanation A module is reset for not responding or returning error

Recommended Action No action is required.

PORT-CHANNEL-3

Error Message `PORT-CHANNEL-3-COMPAT_CHECK_FAILURE: [chars] is not compatible`

Explanation Compatibility check failed when adding ports to port-channel

Recommended Action Make sure the compatibility parameters are consistent while adding ports to port-channel, or use force option

Error Message `PORT-CHANNEL-3-GENERAL_ERROR: [chars]`

Explanation General error

Recommended Action No action is required.

Error Message `PORT-CHANNEL-3-LC_CFG_TIMEOUT_ENTRY_PORT_ERR_DISABLE: Failed to send LC config due to timeout, Port [chars] Err disabled`

Explanation Failed to send a lc_config message

Recommended Action No action is required.

Error Message `PORT-CHANNEL-3-LC_CFG_UCAST_FAILED_PORT_ERR_DISABLE: Failed to send LC config unicast msg, Port [chars] Err disabled`

Explanation Failed to send a lc_config unicast message

Recommended Action No action is required.

Error Message `PORT-CHANNEL-3-LC_CFG_UCAST_SEND_FAILURE: Failed to send LC config Unicast msg to slot [dec] node 0x[hex] sap [dec]: [chars]. Resetting LineCard`

Explanation Failed to send a lc_config unicast message

Recommended Action No action is required.

Error Message `PORT-CHANNEL-3-MSG_SEND_FAILURE: failed to send [chars] to sap [dec]: [chars]`

Explanation Failed to send a message

Recommended Action No action is required.

Error Message `PORT-CHANNEL-3-PORT_CHANNEL_NOT_FOUND: [chars] is not found`

Explanation Cannot find port-channel in its database, which indicates an inconsistency with an external component

Recommended Action No action is required.

Error Message `PORT-CHANNEL-3-TIMEOUT: timed out after [dec] seconds [type [chars], state [chars]]`

Explanation Some operation timed out

Recommended Action Run show port-channel consistency to check all module connectivity and consistency

PORT-CHANNEL-4

Error Message `PORT-CHANNEL-4-PORT_CFG_DELETED: [chars] removed from [chars]`

Explanation Port is removed from a port-channel because different module was inserted or module config purged

Recommended Action You lost some ports from port-channel, check if you want to add ports in the new module to the same port-channel.

Error Message `PORT-CHANNEL-4-PORT_INDIVIDUAL: port [chars] is operationally individual`

Explanation The port is operating as an individual link even though it is locally or remotely configured to be part of a port channel

Recommended Action Check the configuration of the port locally and remotely to ensure that it can operate as part of a port channel

Error Message `PORT-CHANNEL-4-PORT_NOT_FOUND: port [chars] is not part of port-channel`

Explanation Cannot find the port in port-channel database, which indicates an inconsistency with an external component

Recommended Action No action is required.

Error Message `PORT-CHANNEL-4-RACE_WARN: [chars]`

Explanation Warning of possible race condition

Recommended Action No action is required.

Error Message `PORT-CHANNEL-4-UNEXPECTED_RESPONSE: unexpected response [chars] from [chars]`

Explanation Received an unexpected response and discarded

Recommended Action No action is required.

PORT-CHANNEL-5

Error Message `PORT-CHANNEL-5-AUTO_CREATE_FAILURE: [chars] [chars]`

Explanation Auto create process on the port failed

Recommended Action No action is required.

Error Message `PORT-CHANNEL-5-CREATED: [chars] created`

Explanation A port-channel is created

Recommended Action No action is required.

Error Message `PORT-CHANNEL-5-DELETED: [chars] deleted`

Explanation A port-channel is deleted

Recommended Action No action is required.

Error Message `PORT-CHANNEL-5-FOP_CHANGED: [chars]: first operational port changed from [chars] to [chars]`

Explanation The first operational port in a port-channel is changed

Recommended Action No action is required.

Error Message `PORT-CHANNEL-5-MAX_CHANNEL_DISALLOWED: Module failed to come online because port channel interface greater than [dec] is present`

Explanation The port-channel number configured on the switch is larger than 128

Recommended Action Delete the set of port channel interface which is greater than 128

Error Message `PORT-CHANNEL-5-PORT_ADDED: [chars] added to [chars]`

Explanation Ports are added to a port-channel

Recommended Action No action is required.

Error Message `PORT-CHANNEL-5-PORT_DOWN: [chars]: [chars] is down`

Explanation Port goes down in a port-channel

Recommended Action No action is required.

Error Message `PORT-CHANNEL-5-PORT_REMOVED: [chars] removed from [chars]`

Explanation Ports are removed from a port-channel

Recommended Action No action is required.

Error Message `PORT-CHANNEL-5-PORT_UP: [chars]: [chars] is up`

Explanation Port comes up in a port-channel

Recommended Action No action is required.

PORT-CHANNEL-6

Error Message `PORT-CHANNEL-6-RESYNC: resyncing [chars] with all modules`

Explanation Resync modules with sup after an error or switchover

Recommended Action No action is required.

PORT-CHANNEL-7

Error Message `PORT-CHANNEL-7-GSYNC_DONE: global synchronization is done`

Explanation Port-channel manager finished global synchronization

Recommended Action No action is required.

Error Message `PORT-CHANNEL-7-GSYNC_REQ: requesting global synchronization`

Explanation Port-channel manager requested a global synchronization from active sup

Recommended Action No action is required.

Error Message `PORT-CHANNEL-7-START_ACTIVE: started in active mode`

Explanation Port-channel manager started in active mode

Recommended Action No action is required.

Error Message `PORT-CHANNEL-7-START_DEFAULT: started with default configuration`

Explanation Port-channel manager started with default configuration

Recommended Action No action is required.

Error Message `PORT-CHANNEL-7-START_STANDBY: started in standby mode`

Explanation Port-channel manager started in standby mode

Recommended Action No action is required.

Error Message `PORT-CHANNEL-7-START_STATEFUL: started statefully`

Explanation Port-channel manager started with running configuration

Recommended Action No action is required.

Error Message `PORT-CHANNEL-7-START_STATELESS: started statelessly`

Explanation Port-channel manager started with startup configuration

Recommended Action No action is required.

PORT-PROFILE Messages

This section contains the PORT-PROFILE messages.

PORT-PROFILE-2

Error Message `PORT-PROFILE-2-IF_REFRESH_FAILED: Interface Database Refresh failed for [chars]`

Explanation Interface Database Refresh failed

Recommended Action No action is required.

Error Message `PORT-PROFILE-2-INTERFACE_CMD_FAILURE: Inherit of port-profile [chars] on [chars] has failed with reason: [chars]`

Explanation Executing specific cmd on interface failed

Recommended Action No action is required.

Error Message `PORT-PROFILE-2-INTERFACE_QUARANTINED: Interface [chars] has been quarantined due to [chars]`

Explanation Interface has been quarantined

Recommended Action No action is required.

PORT-PROFILE-3

Error Message `PORT-PROFILE-3-ASSERTION_FAILED: Failed in File:[chars] Line:[dec]`

Explanation PPM Process assertion failed in File:[chars], at line:[dec]

Recommended Action No action is required.

Error Message `PORT-PROFILE-3-CREATE_IF_FAILED: Running-config collection Failed for intf range [chars]`

Explanation Running-config collection failed for :[chars]

Recommended Action No action is required.

Error Message `PORT-PROFILE-3-IF_APPLY_FAILED: Config Apply Failed`

Explanation Config Apply Failed

Recommended Action No action is required.

Error Message `PORT-PROFILE-3-INTERFACE_NO_SHUTDOWN_FAILED: Interface no shutdown failed for [chars] after profile re-inherit`

Explanation Interface could not be unshut after profile re-inherit

Recommended Action No action is required.

Error Message `PORT-PROFILE-3-INTERFACE_SHUTDOWN_FAILED: Interface shutdown failed for [chars] after failure to apply commands`

Explanation Interface could not be shutdown after failure to apply commands

Recommended Action No action is required.

Error Message `PORT-PROFILE-3-PPM_ALLOC_FAILED: Failed in File:[chars] Line:[dec] for type [dec] size [dec]`

Explanation SDM process could not allocate heap memory in File:[chars], at line:[dec], for memory-type:[dec] of Size:[dec]

Recommended Action No action is required.

Error Message `PORT-PROFILE-3-PROFILE_CREATE_FAILED: Port-profile [chars] creattion failed with error "[chars]"`

Explanation Port-profile:[chars] creation failed with [:chars]

Recommended Action No action is required.

Error Message `PORT-PROFILE-3-PROFILE_DEINHERIT_FAILED: Port-profile [chars] de-inherit failed with error "[chars]" on [chars]`

Explanation Port-profile:[chars] de-inherit failed with [:chars] on [:chars]

Recommended Action No action is required.

Error Message `PORT-PROFILE-3-PROFILE_DELETE_FAILED: Port-profile [chars] is deletion failed with error "[chars]"`

Explanation Port-profile:[chars] deletion failed with [:chars]

Recommended Action No action is required.

Error Message `PORT-PROFILE-3-PROFILE_DISABLE_FAILED: Port-profile [chars] disable failed with error "[chars]"`

Explanation Port-profile:[chars] disable failed with [:chars]

Recommended Action No action is required.

Error Message `PORT-PROFILE-3-PROFILE_ENABLE_FAILED: Port-profile [chars] enable failed with error "[chars]"`

Explanation Port-profile:[chars] enable failed with [:chars]

Recommended Action No action is required.

Error Message `PORT-PROFILE-3-PROFILE_INHERIT_FAILED: Port-profile [chars] inherit failed with error "[chars]" on [chars]`

Explanation Port-profile:[chars] inherit failed with [:chars] on [:chars]

Recommended Action No action is required.

PORT-PROFILE-6

Error Message `PORT-PROFILE-6-KEY_STRING_EMPTY: A command '[chars]' with no command name defined in the definition file can cause PPM to handle it incorrectly`

Explanation Parsing null key as part of 'show running-config' is not correct

Recommended Action No action is required.

Error Message `PORT-PROFILE-6-PROFILE_CREATED: Port-profile [chars] is created successfully`

Explanation Port-profile:[chars] is created

Recommended Action No action is required.

Error Message `PORT-PROFILE-6-PROFILE_DEINHERITED: Port-profile [chars] is de-inherited successfully on [chars]`

Explanation Port-profile:[chars] is de-inherited on [:chars]

Recommended Action No action is required.

Error Message `PORT-PROFILE-6-PROFILE_DELETED: Port-profile [chars] is deleted successfully`

Explanation Port-profile:[chars] is deleted

Recommended Action No action is required.

Error Message `PORT-PROFILE-6-PROFILE_DISABLED: Port-profile [chars] is disabled successfully`

Explanation Port-profile:[chars] is disabled

Recommended Action No action is required.

Error Message `PORT-PROFILE-6-PROFILE_ENABLED: Port-profile [chars] is enabled successfully`

Explanation Port-profile:[chars] is enabled

Recommended Action No action is required.

Error Message `PORT-PROFILE-6-PROFILE_INHERITED: Port-profile [chars] is inherited successfully on [chars]`

Explanation Port-profile:[chars] is inherited on [:chars]

Recommended Action No action is required.

PORT-RESOURCES Messages

This section contains the PORT-RESOURCES messages.

PORT-RESOURCES-3

Error Message `PORT-RESOURCES-3-PRM_MSG_SEND_FAILURE: failed to send [chars] to sap [dec]: [chars]`

Explanation Failed to send a message

Recommended Action No action is required.

PORT-RESOURCES-5

Error Message `PORT-RESOURCES-5-INVALID_PORT_ACTIV_PKG_LICENSE_FILE_INSTALLED: Invalid on demand port activation license file is installed for module [dec] (number of port licenses = [dec])`

Explanation Interfaces may not acquire port activation licenes during installation

Recommended Action Install a valid port activation license file

PORT Messages

This section contains the PORT messages.

PORT-2

Error Message `PORT-2-IF_DOWN_ERROR_DISABLED: Interface [chars] is down (Error disabled) [chars] [chars]`

Explanation The interface encountered an error while configuring it. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Collect more information about failed interface using command 'show port internal all interface [char]'. In most cases, you can recover using following commands 'config terminal', 'interface [char]', 'shutdown', 'no shutdown' on the interface or removing and re-inserting the fibre optic cable

Error Message `PORT-2-IF_DOWN_LINK_FAILURE_CRIT: Interface [chars] is down (Link failure)`

Explanation The physical link has gone down

Recommended Action Ensure that the cable is connected and the remote end is not shut down

PORT-3

Error Message `PORT-3-IF_SFP_ALARM: Interface [chars], [chars] [chars] [chars]`

Explanation There was an alarm on the transceiver module. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please do show interface transceiver details to obtain more information

Error Message `PORT-3-IF_TRANSCEIVER_READ_ERROR: Transceiver read error for interface [chars] [chars] [chars]`

Explanation Transceiver eeprom read failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Remove and insert the SFP back again. If the problem persists check if the transceiver is supported using the command: show interface transceiver. Please contact customer support to resolve the condition

Error Message `PORT-3-IF_UNSUPPORTED_TRANSCEIVER: Transceiver for interface [chars] is not supported`

Explanation Transceiver is not from an authorized vendor

Recommended Action This command will determine the transceiver being used: show interface transceiver. Please contact customer support for a list of authorized transceiver vendors

PORT-4

Error Message `PORT-4-IF_AUTONEG_UNSUPPORTED_TRANSCEIVER: Transceiver for interface [chars] does not support auto-negotiation`

Explanation Transceiver for interface does not support auto-negotiation

Recommended Action This command will determine the transceiver being used: show interface transceiver. Please contact customer support for a list of autonego enabled transceivers

Error Message `PORT-4-IF_NON_QUALIFIED_TRANSCEIVER: Non-qualified transceiver on interface [chars] was detected`

Explanation The transceiver for the interface specified has not been qualified on this platform for this software release

Recommended Action Replace the module with a supported transceiver. Contact Cisco TAC to get platform transceiver qualification details

Error Message `PORT-4-IF_SFP_CLK_RATE_ERROR: SFP clock rate error for interface [chars] [chars] [chars]`

Explanation SFP clock rate mismatch/failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Remove the SFP and insert a new one with a different frequency type. If the problem persists check if the transceiver is supported using the command: show interface transceiver. Please contact customer support to resolve the condition

Error Message `PORT-4-IF_SFP_WARNING: Interface [chars], [chars] [chars] [chars]`

Explanation There was an warning on the transceiver module. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please do show interface transceiver details to obtain more information

Error Message `PORT-4-IF_TRUSTSEC_VIOLATION: Interface [chars] encountered port security violation [chars] [chars]`

Explanation The port has detected port security violation. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Check port security configs on interface

PORT-5

Error Message `PORT-5-EC_DISABLED_AS_LICENSE_NOT_PRESENT: Extended credit feature has been disabled as Enterprise Package license could not be checked out`

Explanation The Enterprise Package license is not available, so the extened credit feature has been disabled even though it was present in startup config

Recommended Action Install the Enterprise Package license and re-enable the extended credit feature

Error Message `PORT-5-IF_BRINGUP_ALLOWED_FCOT_CHECKSUM_ERR: Interface [chars] is allowed to come up even with SFP checksum error [chars] [chars]`

Explanation SFP checksum on this interface failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Try to replace the SFP on this interface

Error Message `PORT-5-IF_BRINGUP_FAILED_ALL_ZERO_PEER_WWN_RCVD: Interface [chars], is not allowed to come up (received as all zeros wwn from peer [chars] [chars]`

Explanation Check peer interface configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_BRINGUP_NOT_ALLOWED_PORT_CONFIG_FAILURE: Interface [chars] is not allowed to be operational due to port config failure for reason: [chars] (0x[hex]) [chars] [chars]`

Explanation Check interface configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Try to change the configuration on the interface with the current available hardware capability

Error Message `PORT-5-IF_DOWN_8G_ARBFF_FILL_PATTERN_RCVD: Interface [chars] is down (Error disabled - ARBFF fill-pattern rcvd ) [chars] [chars]`

Explanation The port has received ARBFF fill-pattern in 8G speed. Only IDLE fill-pattern is supported.

Recommended Action Configure switchport fill-pattern IDLE for 8G speed on peer, and if it does not support then try different speed

Error Message `PORT-5-IF_DOWN_ADMIN_DOWN: Interface [chars] is down (Administratively down) [chars] [chars]`

Explanation Interface has been configured to be administratively down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Perform the following commands to bring up the interface: 'config terminal', 'interface [char]', 'no shutdown'

Error Message `PORT-5-IF_DOWN_BIT_ERR_RT_THRES_EXCEEDED: Interface [chars] is down (Error disabled - bit error rate too high) [chars] [chars]`

Explanation The port has detected too high bit error rate in frames received from attached device. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Check the attached device; replace it if needed

Error Message `PORT-5-IF_DOWN_BUNDLE_MISCFG: Interface [chars] is down (Isolation due to channel mis-configuration on local or remote switch) [chars] [chars]`

Explanation One port across a link is part of a PortChannel while the other is not. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action While adding or deleting a member port from a PortChannel, both ports across the link should be added/deleted. No operation should be performed on either ports until they are both added/deleted.

Error Message `PORT-5-IF_DOWN_CFG_CHANGE: Interface [chars] is down(Config change) [chars] [chars]`

Explanation FCIP interface temporarily down due to reconfiguration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_CHANNEL_ADMIN_DOWN: Interface [chars] is down (Channel admin down) [chars] [chars]`

Explanation This interface belongs to a PortChannel and the PortChannel is configured to be administratively down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Perform the following commands on the PortChannel interface to which it belongs to bring the interface up: 'config terminal', 'interface [char]', 'shutdown', 'no shutdown'

Error Message `PORT-5-IF_DOWN_CHANNEL_MEMBERSHIP_UPDATE_IN_PROGRESS: Interface [chars] is down (Channel membership update in progress) [chars] [chars]`

Explanation The interface belongs to a PortChannel and a configuration is being attempted on the interface while there is a configuration in progress on the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Retry the configuration again

Error Message `PORT-5-IF_DOWN_DENIED_DUE_TO_PORT_BINDING: Interface [chars] is down(Suspended due to port binding) [chars] [chars]`

Explanation The F port is suspended due to being denied by port binding. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please check the port binding database to allow the host port to log in.

Error Message `PORT-5-IF_DOWN_DOMAIN_ADDR_ASSIGN_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to domain id assignment failure) [chars] [chars]`

Explanation Isolated due to a failure while assigning a domain. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_DOMAIN_ID_MISMATCH_ISOLATION: Interface [chars] is isolated (configured fcdomain ID is different from runtime config) [chars] [chars]`

Explanation The runtime fcdomain ID does not equal the static configured fcdomain ID. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Ensure that the fcdomain ID configuration matches the runtime config.

Error Message `PORT-5-IF_DOWN_DOMAIN_INVALID_RCF_RECEIVED: Interface [chars] is down (Isolation due to invalid fabric reconfiguration) [chars] [chars]`

Explanation Invalid RCF received. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_DOMAIN_MANAGER_DISABLED: Interface [chars] is down (Isolation due to domain manager disabled) [chars] [chars]`

Explanation Isolated due to domain manager being disabled. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_DOMAIN_MAX_RETRANSMISSION_FAILURE: Interface [chars] is down (Isolation due to domain manager other side not responding) [chars] [chars]`

Explanation Remote end domain manager not responding. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_DOMAIN_NOT_ALLOWED_ISOLATION: Interface [chars] is isolated (domain not allowed) [chars] [chars]`

Explanation There aren't enough allowed domains to merge the VSANs across the link. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Ensure that all assigned domain id's are in the configured allowed domains on both sides of the link.

Error Message `PORT-5-IF_DOWN_DOMAIN_OTHER_SIDE_EPORT_ISOLATED: Interface [chars] is down (Isolation due to domain other side eport isolated) [chars] [chars]`

Explanation Isolating this interface due to the remote end being isolated. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_DOMAIN_OVERLAP_ISOLATION: Interface [chars] is down (Isolation`

due to domain overlap) [chars] [chars]

Explanation Isolated due to domain overlap. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message PORT-5-IF_DOWN_DPVM_VSAN_NOT_FOUND: Interface [chars] is down (dynamic vsan not present) [chars] [chars]

Explanation The specified dynamic vsan is not configured on this switch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Configure the dynamic vsan.

Error Message PORT-5-IF_DOWN_DPVM_VSAN_SUSPENDED: Interface [chars] is down (dynamic vsan in suspended state) [chars] [chars]

Explanation The specified dynamic vsan is in suspended state. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Un-suspend the dynamic vsan.

Error Message PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_CLASSF_PARAM_ERR: Interface [chars] is down (Isolation due to ELP failure: class F param error) [chars] [chars]

Explanation ELP failed on the interface due to class F param error. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Configure the attached switchport correctly and try again

Error Message PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_CLASSN_PARAM_ERR: Interface [chars] is down (Isolation due to ELP failure: class N param error) [chars] [chars]

Explanation ELP failed on the interface due to class N param error. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Configure the attached switchport correctly and try again

Error Message PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_INVALID_PAYLOAD_SIZE: Interface [chars] is down (Isolation due to ELP failure: invalid payload size)

Explanation ELP failed on the interface due to invalid payload size

Recommended Action Configure the attached switchport correctly and try again

Error Message `PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_INVALID_PORT_NAME: Interface [chars] is down (Isolation due to ELP failure: invalid port name) [chars] [chars]`

Explanation ELP failed on the interface due to invalid port name. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Configure the attached switchport correctly and try again

Error Message `PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_INVALID_SWITCH_NAME: Interface [chars] is down (Isolation due to ELP failure: invalid switch name) [chars] [chars]`

Explanation ELP failed on the interface due to invalid switch name. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Configure the attached switchport correctly and try again

Error Message `PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_INVALID_TX_BBCREDIT: Interface [chars] is down (Isolation due to ELP failure: loopback detected) [chars] [chars]`

Explanation ELP failed on the interface due to loopback connection detected. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Connect to a port on another switch and try again

Error Message `PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_LOOPBACK_DETECTED: Interface [chars] is down (Isolation due to ELP failure: invalid transmit B2B credit) [chars] [chars]`

Explanation ELP failed on the interface due to invalid transmit B2B credit. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Configure the attached switchport correctly and try again

Error Message `PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_RATOV_EDTOV_MISMATCH: Interface [chars] is down (Isolation due to ELP failure: R_A_TOV or E_D_TOV mismatch) [chars] [chars]`

Explanation ELP failed on the interface due to R_A_TOV or E_D_TOV mismatch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Configure R_A_TOV and E_D_TOV values correctly and try again

Error Message `PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_REVISION_MISMATCH: Interface [chars] is down (Isolation due to ELP failure: revision mismatch) [chars] [chars]`

Explanation ELP failed on the interface due to revision mismatch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Configure the attached switchport correctly and try again

Error Message `PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_UNKNOWN_FLOW_CTL_CODE: Interface [chars] is down (Isolation due to ELP failure: invalid flow control code) [chars] [chars]`

Explanation ELP failed on the interface due to invalid flow control code. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Configure the attached switchport correctly and try again

Error Message `PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION_UNKNOWN_FLOW_CTL_PARAM: Interface [chars] is down (Isolation due to ELP failure: invalid flow control param) [chars] [chars]`

Explanation ELP failed on the interface due to invalid flow control param. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Configure the attached switchport correctly and try again

Error Message `PORT-5-IF_DOWN_ELP_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to ELP failure) [chars] [chars]`

Explanation ELP failed on the interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Check the output of 'show port internal info' in the 'ELP failure reason' field

Error Message `PORT-5-IF_DOWN_EPP_FAILURE: Interface [chars] is down (Error Disabled - EPP Failure) [chars] [chars]`

Explanation Trunk protocol failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action 'show port internal event-history msgs' will indicate the trunk protocol exchanges to determine why it failed

Error Message `PORT-5-IF_DOWN_ESC_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to ESC failure) [chars] [chars]`

Explanation ESC failed on the interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Check the output of 'show port internal event-history' to determine the ESC protocol exchanges to determine how it failed

Error Message `PORT-5-IF_DOWN_ETH_IF_DOWN: Interface [chars] is down(Tunnel port src interface down) [chars] [chars]`

Explanation Ethernet link to which the FCIP interface is bound is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Ensure that the ethernet cable is connected, the interface is administratively enabled

Error Message `PORT-5-IF_DOWN_ETH_LINK_DOWN: Interface [chars] is down(Tunnel port src interface link down) [chars] [chars]`

Explanation Ethernet link to which the FCIP interface is bound is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Ensure that the ethernet cable is connected and the remote end is also active

Error Message `PORT-5-IF_DOWN_FABRIC_BIND_FAILURE: Interface [chars] is down(Isolation due to fabric bind failure) [chars] [chars]`

Explanation Fabric binding failed on this port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please check the fabric binding database to ensure that the remote port is allowed to connect to this port

Error Message `PORT-5-IF_DOWN_FCOT_NOT_PRESENT: Interface [chars] is down (FCOT not present) [chars] [chars]`

Explanation The FCOT has been removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Insert an FCOT

Error Message `PORT-5-IF_DOWN_FCOT_REMOVED: Interface [chars] is down (FCOT has been removed) [chars] [chars]`

Explanation The FCOT has been removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Insert an FCOT

Error Message `PORT-5-IF_DOWN_FCOT_VENDOR_NOT_SUPPORTED: Interface [chars] is down (Error disabled - FCOT vendor not supported) [chars] [chars]`

Explanation FCOT inserted is not a supported one. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please contact customer support for a list of authorized transceiver vendors

Error Message `PORT-5-IF_DOWN_FCSP_AUTHENT_FAILURE: Interface [chars] is down (FC-SP authentication failure) [chars] [chars]`

Explanation The port failed FC-SP authentication with its peer. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please check the FC-SP configuration.

Error Message `PORT-5-IF_DOWN_FICON_BEING_ENABLED: Interface [chars] is down(FICON being enabled) [chars] [chars]`

Explanation FICON is being enabled on the port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please wait. This might take a while

Error Message `PORT-5-IF_DOWN_FICON_NOT_ENABLED: Interface [chars] is down(Error disabled - FICON not enabled) [chars] [chars]`

Explanation FICON not enabled on port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please enable FICON on port

Error Message `PORT-5-IF_DOWN_FICON_VSAN_DOWN: Interface [chars] is down(FICON vsan down) [chars] [chars]`

Explanation FICON is being enabled on the port VSAN of this port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action This is an intermediary state, whereby the port VSAN of the port is being enabled to be a FICON VSAN.

Error Message `PORT-5-IF_DOWN_HW_FAILURE: Interface [chars] is down (Hardware Failure) [chars] [chars]`

Explanation The module's hardware has failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Collect more information about failed module using command 'show module internal all module'

Error Message `PORT-5-IF_DOWN_INACTIVE: Interface [chars] is down (Inactive) [chars] [chars]`

Explanation The port VSAN has been suspended or deleted. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Assign a new active port VSAN to the interface

Error Message `PORT-5-IF_DOWN_INCOMPATIBLE_ADMIN_MODE: Interface [chars] is down (Error disabled - Incompatible admin port mode) [chars] [chars]`

Explanation The configured mode is not supported on this interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Perform a 'show port internal info' to determine the list of modes supported on this interface

Error Message `PORT-5-IF_DOWN_INCOMPATIBLE_ADMIN_RXBBCREDIT: Interface [chars] is down (Error disabled - Incompatible admin port rxbbcredit) [chars] [chars]`

Explanation The configured receive B2B credit size is not supported. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Get the allowed receive B2B credit size from 'show port internal info'

Error Message `PORT-5-IF_DOWN_INCOMPATIBLE_ADMIN_RXBUFSIZE: Interface [chars] is down (Error disabled - Incompatible admin port rxbufsize) [chars] [chars]`

Explanation The configured receive buffer size is not supported. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Get the allowed receive buffer size from 'show port internal info'

Error Message `PORT-5-IF_DOWN_INCOMPATIBLE_ADMIN_SPEED: Interface [chars] is down (Error disabled - Incompatible admin port speed) [chars] [chars]`

Explanation The configured speed is not supported on this interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Perform a 'show port internal info' to determine the range of speed supported on this interface

Error Message `PORT-5-IF_DOWN_INITIALIZING: Interface [chars] is down (Initializing) [chars] [chars]`

Explanation The interface is in the process of coming up. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action If the interface is stuck in this state for a while, check the output of 'show port internal event-history' to determine what it is waiting for

Error Message `PORT-5-IF_DOWN_INTERFACE_REMOVED: Interface [chars] is down (Interface removed) [chars] [chars]`

Explanation Interface removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_INVALID_ATTACHMENT: Interface [chars] is down(Invalid attachment) [chars] [chars]`

Explanation The peer port does not have the compatible security attributes. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please ensure that the peer port has compatible security attributes as the local port.

Error Message `PORT-5-IF_DOWN_INVALID_CONFIG: Interface [chars] is down(Error disabled - Possible PortChannel misconfiguration) [chars] [chars]`

Explanation The local and peer port have a PortChannel membership misconfiguration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Ensure that both the local and peer ports are either both members of the same PortChannel or are not both part of PortChannel

Error Message `PORT-5-IF_DOWN_INVALID_FABRIC_BINDING: Interface [chars] is down(Invalid fabric binding exchange) [chars] [chars]`

Explanation Fabric binding failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please check fabric binding database

Error Message `PORT-5-IF_DOWN_LINK_FAILURE: Interface [chars] is down (Link failure [chars]) [chars] [chars]`

Explanation The physical link has gone down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Ensure that the cable is connected and the remote end is not shut down

Error Message `PORT-5-IF_DOWN_LOCALLY_DISRUPTIVE_RECONFIGURATION: Interface [chars] is down (fcdomain applied a locally disruptive reconfiguration) [chars] [chars]`

Explanation Fcdomain applied a locally disruptive reconfiguration (local domain became invalid. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_LOOPBACK_DIAG_FAILURE: Interface [chars] is down (Diag failure) [chars] [chars]`

Explanation Diag failed on the interface. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Collect more information about failed interface using command 'attach module' to connect to module

Error Message `PORT-5-IF_DOWN_LOOPBACK_ISOLATION: Interface [chars] is down (Isolation due to port loopback to same switch) [chars] [chars]`

Explanation The interface is looped back to another interface on the same switch. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Check the connectivity of this interface and ensure that it is connected to another switch

Error Message `PORT-5-IF_DOWN_MODULE_REMOVED: Interface [chars] is down (module removed) [chars] [chars]`

Explanation Interface is down because the module was removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_NONE: Interface [chars] is down (None) [chars] [chars]`

Explanation There is no apparent reason the interface is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Collect more information about port using command 'show port internal all interface [char]' to determine why it went down

Error Message `PORT-5-IF_DOWN_NON_PARTICIPATING: Interface [chars] is down (Non participating) [chars] [chars]`

Explanation The loop port has been put into non participating mode. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_NOS_RCVD: Interface [chars] is down (NOS received) [chars] [chars]`

Explanation The physical link has gone down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Ensure that the cable is connected and the remote end is not shut down

Error Message `PORT-5-IF_DOWN_NO_TRUNK_OPER_VSANS_ISOLATION: Interface [chars] is down(Isolation due to no common vsans with peer on trunk) [chars] [chars]`

Explanation The trunk port is isolated as there are no common VSANs to be brought up with the

peer port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please check that there are common VSANs configured and allowed to come up between the ports.

Error Message `PORT-5-IF_DOWN_OFFLINE: Interface [chars] is down (Offline) [chars] [chars]`

Explanation The interface has been placed into the offline state. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_OHMS_EXTERNAL_LB_TEST: Interface [chars] is down(Loopback test) [chars] [chars]`

Explanation Loopback tests. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please wait. This might take a while

Error Message `PORT-5-IF_DOWN_OLS_RCVD: Interface [chars] is down (OLS received) [chars] [chars]`

Explanation The physical link has gone down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Ensure that the cable is connected and the remote end is not shut down

Error Message `PORT-5-IF_DOWN_PARENT_ADMIN_DOWN: Interface [chars] is down (Parent interface down) [chars] [chars]`

Explanation Parent interface is down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_PEER_CLOSE: Interface [chars] is down(TCP conn. closed by peer) [chars] [chars]`

Explanation The FCIP peer connected to this interface closed the TCP connection. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and

if interface description is configured, the interface description is displayed]

Recommended Action This command will provide the peer IP address of this FCIP interface: show interface. Check to see why the peer closed the TCP connection

Error Message `PORT-5-IF_DOWN_PEER_OUI_NOT_PRESENT: Interface [chars] is down (Error disabled - peer OUI 0x[hex] not in the local list of compatible OUIs) [chars] [chars]`

Explanation The named interface has been error disabled since the peer OUI is not present in the local list of compatible OUIs.

Recommended Action If the peer is a Cisco device then add the OUI to the local OUI list with the 'wwn oui ' configuration command. Then reset the interface to restart link negotiation. Newer OUIs are added to later versions of NX-OS where the configuration may be nondisruptively removed.

Error Message `PORT-5-IF_DOWN_PEER_RESET: Interface [chars] is down(TCP conn. reset by peer) [chars] [chars]`

Explanation TCP connection to the FCIP peer got reset. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Check to see why the peer reset the TCP connection

Error Message `PORT-5-IF_DOWN_PORT_ACT_LICENSE_NOT_AVAILABLE: Interface [chars] is allowed to come up BUT port activation license not available [chars] [chars]`

Explanation Assign a port activation license to this port after installing additional port activation licenses as needed. [cmd: conf t; interface fc / ; port-license acquire;]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_PORT_BIND_FAILURE: Interface [chars] is down(Isolation due to port bind failure) [chars] [chars]`

Explanation Port binding failed on this port. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please check the port binding database to ensure that the remote port is allowed to connect to this port

Error Message `PORT-5-IF_DOWN_PORT_BLOCKED: Interface [chars] is down(Port blocked due to FICON) [chars] [chars]`

Explanation The port has been blocked by FICON configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please unblock the port in FICON configuration.

Error Message `PORT-5-IF_DOWN_PORT_CHANNEL_MEMBERS_DOWN: Interface [chars] is down (No operational members) [chars] [chars]`

Explanation This is a PortChannel interface and all its members are operationally down. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Enable at least one of the PortChannel's members

Error Message `PORT-5-IF_DOWN_PORT_VSAN_MISMATCH_ISOLATION: Interface [chars] is down (Isolation due to port VSAN mismatch) [chars] [chars]`

Explanation Isolated due to a mismatch in the configured port VSAN of the local and remote ends. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Configure the port VSAN of the local and remote interfaces to be the same and perform a 'shutdown' and a 'no shutdown'

Error Message `PORT-5-IF_DOWN_RCF_IN_PROGRESS: Interface [chars] is down (RCF in progress) [chars] [chars]`

Explanation There is an RCF in progress. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_SOFTWARE_FAILURE: Interface [chars] is down (Port software failure) [chars] [chars]`

Explanation The software servicing the data path on the port has failed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_SRC_MOD_NOT_ONLINE: Interface [chars] is down(Tunnel source module not online) [chars] [chars]`

Explanation Module that has the tunnel source port of this FCIP interface is not fully online.

[optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action The module that has the tunnel src port is coming online. Please use show mod to find module status

Error Message `PORT-5-IF_DOWN_SRC_PORT_NOT_BOUND: Interface [chars] is down (Tunnel port src interface unbound) [chars] [chars]`

Explanation Tunnel port source interface unbound. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_SRC_PORT_REMOVED: Interface [chars] is down(Tunnel src port removed) [chars] [chars]`

Explanation Tunnel source port of this FCIP interface has been removed. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action The src interface with ip address that matches the ip address of the bound entity is removed. This happens normally due to the module on which the src interface exists is removed

Error Message `PORT-5-IF_DOWN_SUSPENDED_BY_MODE: Interface [chars] is down (Suspended due to incompatible mode) [chars] [chars]`

Explanation This interface belongs to a PortChannel and operational mode of the interface is different from that of the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Change the mode and the trunking mode of the PortChannel from 'auto' and check to ensure that the remote end of the interface also belongs to the same PortChannel

Error Message `PORT-5-IF_DOWN_SUSPENDED_BY_SPEED: Interface [chars] is down (Suspended due to incompatible speed) [chars] [chars]`

Explanation This interface belongs to a PortChannel and operational speedode of the interface is different from that of the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Change the speed of the PortChannel from 'auto' and check to ensure that the remote end of the interface also belongs to the same PortChannel

Error Message `PORT-5-IF_DOWN_SUSPENDED_BY_WWN: Interface [chars] is down (Suspended due to incompatible remote switch WWN) [chars] [chars]`

Explanation This interface belongs to a PortChannel and remote switch WWN of the interface is different from that of the PortChannel. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Ensure that this interface is connected to the same remote switch as all the other interfaces in the PortChannel

Error Message `PORT-5-IF_DOWN_SUSPENDED: Interface [chars] is down (Suspended) [chars] [chars]`

Explanation This interface belongs to a PortChannel and has been suspended to to an error while bringing it up. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action In most cases, you can recover using following commands 'config terminal', 'interface [char]', 'shutdown', 'no shutdown' on the interface. If this happens again obtain output of 'show port internal all interface [char]' on the interface

Error Message `PORT-5-IF_DOWN_TCP_KEEP_ALIVE_EXPIRED: Interface [chars] is down(TCP conn. closed - Keep alive expired) [chars] [chars]`

Explanation TCP session to the FCIP peer got closed due to loss of TCP keep alive. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command:traceroute ipaddr

Error Message `PORT-5-IF_DOWN_TCP_MAX_RETRANSMIT: Interface [chars] is down(TCP conn. closed - retransmit failure) [chars] [chars]`

Explanation Interface is down due to maximum retransmission failure. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command:traceroute ipaddr

Error Message `PORT-5-IF_DOWN_TCP_PERSIST_TIMER_EXPIRED: Interface [chars] is down(TCP conn. closed - Persist timer expired) [chars] [chars]`

Explanation TCP session to the FCIP peer closed because TCP persist timer expired. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action This may be due to loss of IP connectivity. The following commands will provide the IP address of the peer and the route used connect to this FCIP peer: show interface, show ip route. Please do a trace route to check the connectivity to the peer using command:traceroute ipaddr

Error Message `PORT-5-IF_DOWN_TOO_MANY_INTR: Interface [chars] is down (Error disabled - too many interrupts) [chars] [chars]`

Explanation The port has received too many interrupts in the hardware. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Check the attached device; replace it if needed

Error Message `PORT-5-IF_DOWN_TOO_MANY_INVALID_FLOGIS: Interface [chars] is down(Suspended due to too many invalid flogis [chars] [chars]`

Explanation The port is suspended due to receiving a large number of invalid FLOGI's. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Please check the HBA and perform a shut, followed by no shut on the port.

Error Message `PORT-5-IF_DOWN_UPGRADE_IN_PROGRESS: Interface [chars] is down (Linecard upgrade in progress) [chars] [chars]`

Explanation Upgrade of the linecard software is in progress. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_VIRTUAL_IVR_DOMAIN_OVERLAP_ISOLATION: Interface [chars] is down (Isolation due to virtual IVR domain overlap) [chars] [chars]`

Explanation Isolated due to virtual IVR domain overlap. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_VSAN_MISMATCH_ISOLATION: Interface [chars] is down (Isolation due to vsan mismatch) [chars] [chars]`

Explanation This is a trunking interface and the VSANs configured do not match with the VSANs configured on the remote end. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Check the VSANs configured on the local end with the remote end

Error Message `PORT-5-IF_DOWN_ZONE_MERGE_FAILURE_ISOLATION: Interface [chars] is down (Isolation due to zone merge failure) [chars] [chars]`

Explanation Isolated due to a failure during zone merge. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_DOWN_ZONE_REMOTE_NO_RESP_ISOLATION: Interface [chars] is down (Isolation due to remote zone server not responding) [chars] [chars]`

Explanation Isolated due to remote zone server not responding. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_FKA_NOT_RECEIVED: Interface [chars] is down (FKA timeout)`

Explanation Find out why FKA is missing.

Recommended Action No action is required.

Error Message `PORT-5-IF_PORT_GUARD_DOWN: Interface [chars] is down ([chars]) [chars] [chars]`

Explanation The interface is down due to port guard configuration. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action Perform a shut followed by no shut to bring up the interface

Error Message `PORT-5-IF_PORT_QUIESCE_FAILED: Interface [chars] port quiesce failed due to failure reason: [chars] (0x[hex])`

Explanation There may be few packet drops due to this failure

Recommended Action No action is required.

Error Message `PORT-5-IF_PSS_DUPLICATE_KEY: Duplicate key found for Interface [chars]`

Explanation Duplicate pss key detected

Recommended Action No action is required.

Error Message `PORT-5-IF_TRUNK_DOWN: Interface [chars], vsan [chars] is down ([chars]) [chars] [chars]`

Explanation Interface [chars] is trunking, VSAN [chars] is down with reason in (). [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action The following commands will help determine why this VSAN is down on this interface: show interface, show port internal info interface VSAN, show port internal event-history interface VSAN

Error Message `PORT-5-IF_TRUNK_UP: Interface [chars], vsan [chars] is up [chars] [chars]`

Explanation Interface [chars] is trunking, VSAN [chars] is up. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-IF_UP_PORT_ACT_LICENSE_NOT_ACQUIRED: Interface [chars] is allowed to come UP though port activation license is not acquired [chars] [chars]. Acquire port-license for the port`

Explanation Assign a port activation license to this port after installing additional port activation licenses as needed. [cmd: conf t; interface fc / ; port-license acquire;]

Recommended Action No action is required.

Error Message `PORT-5-IF_UP: Interface [chars] is up [chars] [chars] [chars]`

Explanation Interface is up in mode specified, if applicable. [optionally if the port belongs to port-channel, the port-channel number to which the port belongs will be displayed and if interface description is configured, the interface description is displayed]

Recommended Action No action is required.

Error Message `PORT-5-MODULE_BRINGUP_NOT_ALLOWED: Not allowing module [dec] to come up for reason: [chars] (0x[hex])`

Explanation Module is not allowed to be operational due to the current system state

Recommended Action Use command "show module recovery-steps" and follow the steps described

Error Message `PORT-5-MODULE_INDEX_RESTORE_ERROR: Error in restoring indices for module [dec]: reason [chars] (0x[hex])`

Explanation Restore of module index may fail due to overlap of indices

Recommended Action No action is required.

Error Message `PORT-5-MODULE_UNLIMITED_OSM_SEQ_FAILED: Enable/Disable of unlimited oversubscription failed for module [dec]`

Explanation Interfaces of the module may be in indeterminate state

Recommended Action Reload the module

PRIVATE_VLAN Messages

This section contains the PRIVATE_VLAN messages.

PRIVATE_VLAN-2

Error Message `PRIVATE_VLAN-2-PVLAN_ASSOC_DOWN_FAILED: Failed to bring down the association between [dec] & [dec]`

Explanation Association bringdown failed

Recommended Action No action is required.

Error Message `PRIVATE_VLAN-2-PVLAN_ASSOC_UP_FAILED: Failed to bring up the association between [dec] & [dec]`

Explanation Association bringup failed

Recommended Action No action is required.

Error Message `PRIVATE_VLAN-2-PVLAN_ELTM_MTS_SEND_FAILED: MTS send failed while communicating with ELTM.`

Explanation ELTM MTS send failed

Recommended Action No action is required.

Error Message `PRIVATE_VLAN-2-PVLAN_ELTM_TIMED_OUT: ELTM timed out while configuring hardware.`

Explanation ELTM timed out

Recommended Action No action is required.

Error Message `PRIVATE_VLAN-2-PVLAN_ETHPM_TIMED_OUT: ETHPM timed out while configuring/unconfiguring hardware`

Explanation ETHPM timed out

Recommended Action No action is required.

Error Message `PRIVATE_VLAN-2-PVLAN_FAIL_TO_ASSOCIATE_PRIMARY_WITH_SECONDARY_VLAN: Failed to bring up the association between [dec] & [dec]`

Explanation Association between primary and secondary vlan failed due to an error returned by vlan manager

Recommended Action No action is required.

Error Message `PRIVATE_VLAN-2-PVLAN_FAIL_TO_COMMUNICATE_REMOVE_VLAN_ASSOCIATION_TO_ELTM: Failed to bring down the association between [dec] & [dec]`

Explanation Fail to remove association between primary and secondary vlan due to an error returned by eltm manager

Recommended Action No action is required.

Error Message `PRIVATE_VLAN-2-PVLAN_FAIL_TO_COMMUNICATE_VLAN_ASSOCIATION_TO_ELTM: Failed to bring up the association between [dec] & [dec]`

Explanation Failed to associate primary and secondary vlan due to an error returned by eltm manager

Recommended Action No action is required.

Error Message `PRIVATE_VLAN-2-PVLAN_FAIL_TO_REMOVE_ASSOCIATION_BETWEEN_PRIMARY_AND_SECONDARY_VLAN: Failed to bring down the association between [dec] & [dec]`

Explanation Removing association between primary and secondary vlan failed due to an error returned by vlan manager

Recommended Action No action is required.

Error Message `PRIVATE_VLAN-2-PVLAN_HW_ERROR: Error 0x[hex] occurred for ifindex 0x[hex] while programming hardware: [chars]`

Explanation Hardware Configuration Error

Recommended Action No action is required.

Error Message `PRIVATE_VLAN-2-PVLAN_PIXM_MTS_SEND_FAILED: MTS send failed while communicating with PIXM`

Explanation PIXM MTS send failed

Recommended Action No action is required.

Error Message `PRIVATE_VLAN-2-PVLAN_PIXM_TIMED_OUT: PIXM timed out while configuring hardware.`

Explanation PIXM timed out

Recommended Action No action is required.

PRIVATE_VLAN-3

Error Message `PRIVATE_VLAN-3-PVLAN_ASSOC_SDB_UPDATE_FAILED: Failed to update SDB while [chars] association for vlan [dec]`

Explanation SDB Update failed

Recommended Action No action is required.

Error Message `PRIVATE_VLAN-3-PVLAN_IN_USE: PVLAN [dec] in use by interface [chars], please do "no switchport access vlan" or "no switchport private-vlan host-association"`

Explanation PVLAN in use

Recommended Action No action is required.

Error Message `PRIVATE_VLAN-3-PVLAN_NOT_PRIMARY_VLAN: VLAN [dec] is not a primary vlan. Invalid operation.`

Explanation We cant remove association from secondary vlan

Recommended Action No action is required.

Error Message `PRIVATE_VLAN-3-PVLAN_SEC_VLAN_NOT_EXIST: VLAN [dec] is not associated with primary VLAN [dec]`

Explanation This secondary vlan is not associated with primary vlan

Recommended Action No action is required.

Error Message `PRIVATE_VLAN-3-PVLAN_VLANMGR_FAILURE: Cannot restore association operational state. Failed to communicate with VLAN manager`

Explanation Restoring association operational status failed

Recommended Action No action is required.

PRIVATE_VLAN-5

Error Message `PRIVATE_VLAN-5-PVLAN_DISABLED: PVLAN Disabled`

Explanation PVLAN Service Disabled

Recommended Action No action is required.

Error Message `PRIVATE_VLAN-5-PVLAN_DISABLE_FAILED: Disabling of private-vlan failed. Either shutdown these ports or remove the ports that are in switchport mode private-vlan: [chars]`

Explanation Disabling of private-vlan failed

Recommended Action No action is required.

Error Message `PRIVATE_VLAN-5-PVLAN_ENABLED: PVLAN Enabled`

Explanation PVLAN Service Enabled

Recommended Action No action is required.

Error Message `PRIVATE_VLAN-5-PVLAN_VTP_DISABLE_FAILED: Either remove all private-vlans from VTP domain or change VTP to transparent mode`

Explanation Disabling of private-vlan failed

Recommended Action No action is required.

PSS Messages

This section contains the PSS messages.

PSS-0

Error Message `PSS-0-PSS_NO_MORE_PAGES: [chars]: needs more working pages`

Explanation Service needs more working page buffers

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `PSS-0-PSS_NO_MORE_RSM_PAGES: [chars]: needs more rsm pages`

Explanation Service needs more rsm page buffers

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `PSS-0-PSS_READ_DATA_FAILURE: [chars]: failed to read data to [chars] block [dec]: [chars]`

Explanation PSS cannot read data

Recommended Action No action is required.

Error Message `PSS-0-PSS_SYNC_DATA_FAILURE: [chars]: failed to sync data to [chars]: [chars]`

Explanation PSS cannot sync data due to filesystem or disk error

Recommended Action No action is required.

Error Message `PSS-0-PSS_SYNC_LOG_FAILURE: [chars]: failed to sync log: [chars]`

Explanation PSS cannot sync log due to filesystem or disk error

Recommended Action No action is required.

Error Message `PSS-0-PSS_UNKNOWN_LOG: [chars]: unknown log type 0x[hex] at offset [dec]`

Explanation Unknown logging entry found

Recommended Action No action is required.

Error Message `PSS-0-PSS_WRITE_DATA_FAILURE: [chars]: failed to write data to [chars] block [dec]: [chars]`

Explanation PSS cannot write data due to filesystem or disk error

Recommended Action No action is required.

Error Message `PSS-0-PSS_WRITE_FAILURE: [chars]: failed to write data: [chars]`

Explanation PSS cannot write data due to filesystem or disk error

Recommended Action No action is required.

Error Message `PSS-0-PSS_WRITE_LOG_FAILURE: [chars]: failed to write log: [chars]`

Explanation PSS cannot write log due to filesystem or disk error

Recommended Action No action is required.

PSS-1

Error Message `PSS-1-PSS_INVALID_MAGIC: [chars]: database [chars] has invalid magic number 0x[hex]`

Explanation PSS found a corrupted database with invalid magic number

Recommended Action No action is required.

Error Message `PSS-1-PSS_META_READ_ERROR: [chars]: cannot read meta page from [chars]: [chars]`

Explanation PSS cannot read meta page of a database

Recommended Action No action is required.

Error Message `PSS-1-PSS_STAT_ERROR: [chars]: cannot stat [chars]: [chars]`

Explanation PSS cannot do fstat on a database

Recommended Action No action is required.

Error Message `PSS-1-PSS_VERSION_MISMATCH: [chars]: found version mismatch in [chars]`

Explanation PSS found a database whose format it cannot interpret due to version mismatch

Recommended Action The image upgrade was not done properly; write erase should cure it as a last step

PSS-2

Error Message `PSS-2-PSS_ERROR: [chars]`

Explanation PSS error log

Recommended Action No action is required.

Error Message `PSS-2-PSS_INFRACONVERT: [chars]`

Explanation Error in libinfraconvert during pss conversion

Recommended Action No action is required.

Error Message `PSS-2-PSS_INVALID_SIZE: [chars]: database [chars] ([chars]) has invalid size [dec] (block size [dec])`

Explanation PSS found a database with invalid size - probably due to a crash

Recommended Action No action is required.

Error Message `PSS-2-PSS_MISSING_FILE: [chars]: database [chars] missing [chars] file`

Explanation PSS database is incomplete; probably due to a crash

Recommended Action No action is required.

Error Message `PSS-2-PSS_RECOVERY_FAILED: [chars]: failed to recover [chars]`

Explanation PSS recovery failed

Recommended Action No action is required.

PSS-4

Error Message `PSS-4-PSS_CLEANUP: [chars]: cleaning up [chars]`

Explanation PSS removed a leftover or corrupted file

Recommended Action No action is required.

Error Message `PSS-4-PSS_RECOVERY_ENDED: [chars]: recovered [chars] successfully`

Explanation PSS recovery finished

Recommended Action No action is required.

Error Message `PSS-4-PSS_RECOVERY_STARTED: [chars]: recovering [chars]: [dec] valid transactional records`

Explanation PSS started recovery of previous aborted transaction

Recommended Action No action is required.

PSS-5

Error Message `PSS-5-PSS_CONVERT_FORMAT: [chars]: converting pss format: [chars]`

Explanation PSS format is being converted

Recommended Action No action is required.

Error Message `PSS-5-PSS_CONVERT_LAYOUT: [chars]: converting pss layout: [chars] (params [dec]/[dec]/[dec] -> [dec]/[dec]/[dec])`

Explanation PSS layout is being converted

Recommended Action No action is required.

Error Message `PSS-5-PSS_SHRINK: [chars]: shrinking pss: [chars]`

Explanation PSS is being shrunk to remove free space

Recommended Action No action is required.

Error Message `PSS-5-SDB_CLOSED_AT_COMMIT: [chars]: sdb [chars] is closed: token [dec] is not committed`

Explanation Publisher received SDB commit but sdb was already closed

Recommended Action No action is required.

PTPLC Messages

This section contains the PTPLC messages.

PTPLC-3

Error Message `PTPLC-3-PTPLC_PORT_CFG_FAILED: Configuration failed on port [hex], [chars]: [hex], [chars]`

Explanation PTP interface configuration error

Recommended Action No action is required.

Error Message `PTPLC-3-PTPLC_PTP_INTF_CONFIG_ERROR: Failed to configure PTP/PONG on port [dec]: [hex], [chars]`

Explanation PTP interface configuration error

Recommended Action No action is required.

PTP Messages

This section contains the PTP messages.

PTP-2

Error Message `PTP-2-PTP_BAD_CORRECTION_DETECTED: PTP correction % PRId64 exceeds the threshold. Discarding the correction value. MasterTimestamp % PRIu64 (sec) [dec](nsec), SlaveTimestamp % PRIu64 (sec) [dec](nsec)`

Explanation PTP bad correction detected

Recommended Action No action is required.

Error Message `PTP-2-PTP_ClOCKID_CHANGE: Clock id has changed from [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] to [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]`

Explanation PTP clock-id changed

Recommended Action No action is required.

Error Message `PTP-2-PTP_GM_CHANGE_TOLOCAL: Grandmaster clock has changed from [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] to local clock [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] for the PTP protocol`

Explanation PTP GM changed to local Clock ID

Recommended Action No action is required.

Error Message `PTP-2-PTP_GM_CHANGE: Grandmaster clock has changed from [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] to [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex] for the PTP protocol`

Explanation PTP GM changed

Recommended Action No action is required.

Error Message `PTP-2-PTP_GM_CLOCK_CLASS_CHANGE: Grandmaster clock class has changed from [dec] to [dec]`

Explanation PTP GM clock class changed

Recommended Action No action is required.

Error Message `PTP-2-PTP_HIGH_CORR: Slave port [chars] High correction % PRId64 (nsec)`

Explanation PTP clock high correction

Recommended Action No action is required.

Error Message `PTP-2-PTP_HIGH_MEAN_PATH_DELAY: PTP mean-path-delay % PRIu64 exceeds the threshold. Discarding the value.`

Explanation PTP high mean-path-delay detected

Recommended Action No action is required.

Error Message `PTP-2-PTP_INTF_DISABLED: PTP on interface [chars] is now DISABLED`

Explanation PTP is disabled on the interface

Recommended Action No action is required.

Error Message `PTP-2-PTP_MTC_ACL_ERROR: Internal ptp acl-redirect error, Disable this using 'no ptp acl-redirect'`

Explanation PTP acl-redirect error

Recommended Action No action is required.

Error Message `PTP-2-PTP_NO_SEND_FOLLOWUP: NOT sending FOLLOW_UP on interface:[chars]`

Explanation PTP not sending followup on interface

Recommended Action No action is required.

Error Message `PTP-2-PTP_NO_SUPPORT_100G: PTP is NOT supported on 100G interface,remove ptp config on this intf for better time-sync`

Explanation PTP not supported on 100G intf

Recommended Action No action is required.

Error Message `PTP-2-PTP_NO_SUPPORT_ON_SOME_PORT_SPEED: PTP is NOT supported on [dec]M interface.`

Explanation PTP not supported on 10M

Recommended Action No action is required.

Error Message `PTP-2-PTP_OFFLOAD_STATUS: PTP offload [chars]`

Explanation PTP offload status

Recommended Action No action is required.

Error Message `PTP-2-PTP_ONE_STEP_GM_DETECTED: One-step Grandmaster detected on interface [chars]. Port set to Uncalibrated state.`

Explanation One-step Grandmaster detected, which is unsupported.

Recommended Action Check Grandmaster configuration. One-step PTP is not supported on this platform.

Error Message `PTP-2-PTP_STATE_CHANGE: PTP state of interface [chars] is changing from '[chars]' to '[chars]'`

Explanation PTP Port state change

Recommended Action No action is required.

Error Message `PTP-2-PTP_TIMESYNC_LOST: Loss of synchronization with master clock`

Explanation PTP lost synchronization with master clock

Recommended Action No action is required.

PTP-5

Error Message `PTP-5-PTP_ASCAPABLE_CHANGE: PTP Neighbor of [chars] changed to IEEE 802.1AS capable`

Explanation 802.1 AS capability of neighbor at interface changed to yes

Recommended Action No action is required.

Error Message `PTP-5-PTP_ASNOTCAPABLE_CHANGE: PTP Neighbor of [chars] changed to IEEE 802.1AS not capable, [chars] % PRId64`

Explanation 802.1 AS capability of neighbor at interface changed to no

Recommended Action No action is required.

Error Message `PTP-5-PTP_DISABLED: PTP disabled`

Explanation PTP Service Enabled

Recommended Action No action is required.

Error Message `PTP-5-PTP_DOMAIN_CHANGE: PTP domain changed to [dec]`

Explanation PTP domain changed

Recommended Action No action is required.

Error Message `PTP-5-PTP_ENABLED: PTP enabled`

Explanation PTP Service Enabled

Recommended Action No action is required.

Error Message `PTP-5-PTP_ENCAP_CHANGE: PTP encapsulation is changed to '[chars]'`

Explanation PTP encapsulation is changed

Recommended Action No action is required.

Error Message `PTP-5-PTP_INCORRECT_PACKET_ON_SLAVE: Incorrect delay response packet received on slave interface [chars] by [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Source Port Identity is [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]. Requesting Port Identity is [hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]:[hex]`

Explanation Incorrect delay response packet

Recommended Action No action is required.

Error Message `PTP-5-PTP_MODE_CHANGE: PTP mode is changed to '[chars]'`

Explanation PTP mode is changed

Recommended Action No action is required.

Error Message `PTP-5-PTP_PROP_DELAY_THRESH_CHANGE: PTP propagation-delay threshold is changed to [dec] for '[chars]'`

Explanation PTP propagation-delay threshold is changed

Recommended Action No action is required.

PTP-6

Error Message `PTP-6-PTP_ANNOUNCE_INTERVAL_CHANGE_OLD: PTP announce interval for [chars] changed to [dec]`

Explanation PTP announce interval for [chars] changed

Recommended Action No action is required.

Error Message `PTP-6-PTP_ANNOUNCE_INTERVAL_CHANGE: PTP announce interval for [chars] changed to [dec][chars]`

Explanation PTP announce interval for [chars] changed

Recommended Action No action is required.

Error Message `PTP-6-PTP_ANNOUNCE_TIMEOUT_CHANGE_OLD: PTP announce timeout interval for [chars] changed to [dec]`

Explanation PTP announce timeout interval for [chars] changed

Recommended Action No action is required.

Error Message `PTP-6-PTP_ANNOUNCE_TIMEOUT_CHANGE: PTP announce timeout interval for [chars] changed to [dec][chars]`

Explanation PTP announce timeout interval for [chars] changed

Recommended Action No action is required.

Error Message `PTP-6-PTP_DELAY_REQ_INTERVAL_CHANGE_OLD: PTP delay-req interval for [chars] changed to [dec]`

Explanation PTP delay-req interval for [chars] changed

Recommended Action No action is required.

Error Message `PTP-6-PTP_DELAY_REQ_INTERVAL_CHANGE: PTP delay-req interval for [chars] changed to [dec][chars]`

Explanation PTP delay-req interval for [chars] changed

Recommended Action No action is required.

Error Message `PTP-6-PTP_PRIORITY1_CHANGE: PTP priority1 changed to [dec]`

Explanation PTP priority1 changed

Recommended Action No action is required.

Error Message `PTP-6-PTP_PRIORITY2_CHANGE: PTP priority2 changed to [dec]`

Explanation PTP priority2 changed

Recommended Action No action is required.

Error Message `PTP-6-PTP_SYNC_INTERVAL_CHANGE_OLD: PTP sync interval for [chars] changed to [dec]`

Explanation PTP sync interval for [chars] changed

Recommended Action No action is required.

Error Message `PTP-6-PTP_SYNC_INTERVAL_CHANGE: PTP sync interval for [chars] changed to [dec][chars]`

Explanation PTP sync interval for [chars] changed

Recommended Action No action is required.

Error Message `PTP-6-PTP_TIMESYNC_REG_CHANGE: PTP time-sync register changed`

Explanation PTP time-sync reg change

Recommended Action No action is required.

Error Message `PTP-6-PTP_VLAN_CHANGE: PTP vlan for [chars] changed to [dec]`

Explanation PTP vlan for [chars] changed

Recommended Action No action is required.

QOS Messages

This section contains the QOS messages.

QOS-2

Error Message `QOS-2-EXITING: Exit reason: [chars]`

Explanation The QOS Manager process has exited due to [char]. The process has probably been restarted automatically.

Recommended Action No action is required.

Error Message `QOS-2-GENERAL_ERROR: [chars]`

Explanation The QOS Manager has encountered an critical error. The description of error is [str.].

Recommended Action No action is required.

Error Message `QOS-2-INITFAIL: QoS Manager Initialization failed: [chars]`

Explanation QoS Manager initialization failed. [chars] explains the reason for the failure.

Recommended Action No action is required.

Error Message `QOS-2-MALLOC_ERROR: Size [dec] bytes`

Explanation The QOS Manager could not allocate memory.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `QOS-2-PSS_ERROR: [chars]: PSS returned value=[dec]`

Explanation The QOS Manager encountered error while operating on a persistent storage database.

Recommended Action No action is required.

Error Message `QOS-2-STDOUT_ROTATE_FAILURE: Failed to rotate stdout file: [chars]`

Explanation The QOS Manager has failed to rotate its current stdout file with filename [str.]. The file size could grow beyond its maximum limit.

Recommended Action No action is required.

QOS-3

Error Message `QOS-3-ALLOCFAIL: Heap Memory allocation failed: [chars]`

Explanation QoS Manager is out of dynamic memory. [chars] specifies the context where the failure occurred.

Recommended Action No action is required.

Error Message `QOS-3-DBERROR: [chars]`

Explanation QoS Manager encountered a database error. [chars] specifies the context where the failure occurred.

Recommended Action No action is required.

Error Message `QOS-3-E_PORT_ACL_FAILURE: Failed to [chars] QOS ACL for interface [chars] (ACL return code=0x[hex])`

Explanation The QOS Manager has failed to program or erase QoS related ACL when an E-Port came up or went down for interface [str.]. The error code returned by ACL module is [int.].

Recommended Action No action is required.

Error Message `QOS-3-FAILURE_RESPONSE: [chars] 0x[hex]`

Explanation QoS Manager failed to get response [chars][hex] specify the context where the failure occurred.

Recommended Action No action is required.

Error Message `QOS-3-GENERROR: [chars]`

Explanation QoS Manager encountered a general error, one that does not fall in any of the above categories. [chars] describes the error and its context.

Recommended Action No action is required.

Error Message `QOS-3-LICERR: [chars]`

Explanation QoS Manager failed to get license.

Recommended Action No action is required.

Error Message `QOS-3-MTSERROR: [chars]`

Explanation QoS Manager encountered an MTS error. [chars] specifies the context where the error occurred.

Recommended Action No action is required.

Error Message `QOS-3-PSSERROR: [chars]`

Explanation QoS Manager encountered a PSS error. [chars] specifies the context where the failure occurred.

Recommended Action No action is required.

Error Message `QOS-3-QOS_PSS_CORRUPTED: [chars] PSS found corrupted`

Explanation The QOS Manager has detected corruption in one of its persistent information database. The database would be recreated.

Recommended Action No action is required.

Error Message `QOS-3-TIMEOUT_ERROR: [chars] 0x[hex]`

Explanation QoS Manager encountered a timeout [chars][hex] specify the context where the failure occurred.

Recommended Action No action is required.

Error Message `QOS-3-UNKNOWN_MSG: Received from Node=[dec] SAP=[dec]`

Explanation The QOS Manager has received an unknown message from [dec]].[dec]. This information is for debugging only.

Recommended Action No action is required.

QOS-4

Error Message `QOS-4-LICEXP: [chars]`

Explanation QoS Manager license is going to expire. [chars] gives the expected time of expiry.

Recommended Action No action is required.

Error Message `QOS-4-PSS_VERSION_MISMATCH: PSS [dec] Code [dec]`

Explanation There was a version mismatch between the QOS Manager and one of its persistent storage databases. The persistent information has been translated to the new format.

Recommended Action No action is required.

QOS-6

Error Message `QOS-6-BECAME_ACTIVE: Became ACTIVE from standby mode.`

Explanation The QOS Manager on the standby supervisor became active and it is ready to serve client requests.

Recommended Action No action is required.

Error Message `QOS-6-BECAME_STDBY: Became STANDBY from active mode.`

Explanation The QOS Manager became standby from active mode.

Recommended Action No action is required.

Error Message `QOS-6-DISABLED_UP_MARKING: [chars]`

Explanation The QoS Manager has disabled marking of time-critical control traffic as high-priority traffic. Priority of such traffic is now not altered by QoS Manager.

Recommended Action No action is required.

Error Message `QOS-6-ENABLED_UP_MARKING: [chars]`

Explanation The QoS Manager has enabled marking of time-critical control traffic as high-priority traffic.

Recommended Action No action is required.

Error Message `QOS-6-EXCESSIVE_DELAY: [chars]`

Explanation Excessive time taken for a processing event. The description of the event is [str.].

Recommended Action No action is required.

Error Message `QOS-6-E_PORT_ACL_SUCCESS: Successfully [chars] QOS ACL for interface [chars]`

Explanation The QOS Manager has successfully programmed or erased QoS related ACL when an E-Port came up or went down for interface [str.].

Recommended Action No action is required.

Error Message `QOS-6-FAILED_TO_SEND_HEARTBEAT: Failed to send heartbeat to system manager: Reason=[chars]`

Explanation The QOS Manager was unable to send heartbeat to the system manager.

Recommended Action No action is required.

Error Message `QOS-6-GENERAL_EVENT: [chars]`

Explanation The QOS Manager has generated an important event. The description of the event is [str.].

Recommended Action No action is required.

Error Message `QOS-6-MGRCREATED: QoS Manager created`

Explanation QoS Manager was created successfully and is up and running. This is an informational message.

Recommended Action No action is required.

Error Message `QOS-6-MGREXIT: QoS Manager shutting down gracefully`

Explanation QoS Manager is shutting down gracefully. This is an informational message.

Recommended Action No action is required.

Error Message `QOS-6-PSS_CREATED: [chars] PSS Created`

Explanation One of the persistent information database of QOS Manager has been recreated.

Recommended Action No action is required.

Error Message `QOS-6-PSS_DESTROYED: [chars] PSS Destroyed`

Explanation One of the persistent information databases of QoS Manager has been intentionally destroyed and would be recreated.

Recommended Action No action is required.

Error Message `QOS-6-SERVICE_UP: Initialized [chars]`

Explanation The QOS Manager is up and ready to accept client requests The service was initialized in [char] mode.

Recommended Action No action is required.

Error Message `QOS-6-SWITCHOVER: Switching Over to other Supervisor.`

Explanation The QOS Manager has successfully switched over to the standby supervisor card.

Recommended Action No action is required.

Error Message `QOS-6-UNKNOWNMTS: QoS Manager received an unexpected message`

Explanation QoS Manager received an unexpected message.

Recommended Action No action is required.

QUACK_SMC Messages

This section contains the QUACK_SMC messages.

QUACK_SMC-6

Error Message `QUACK_SMC-6-QUACK_LIB_DEBUG_MSG: [chars]`

Explanation Debug log message

Recommended Action No action is required.

RADIUS Messages

This section contains the RADIUS messages.

RADIUS-2

Error Message `RADIUS-2-RADIUS_NO_AUTHEN_INFO: ASCII authentication not supported`

Explanation ASCII authentication not supported.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `RADIUS-2-RADIUS_PROGRAM_EXIT: RADIUS daemon exiting: [chars]`

Explanation RADIUS daemon is exiting.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

RADIUS-3

Error Message `RADIUS-3-RADIUS_ERROR_MESSAGE: [chars]`

Explanation RADIUS Error Message

Recommended Action No action is required.

RADIUS-4

Error Message `RADIUS-4-RADIUS_WARNING: [chars]`

Explanation RADIUS Warning

Recommended Action No action is required.

RADIUS-5

Error Message `RADIUS-5-RADIUS_MONITOR_STATUS: [chars] [chars]`

Explanation Notifying Radius server monitor status change

Recommended Action No action is required.

Error Message `RADIUS-5-RADIUS_NOTIFICATION: [chars]`

Explanation RADIUS Notification

Recommended Action No action is required.

Error Message `RADIUS-5-RADIUS_SERVER_STATUS: [chars] server [chars] with auth-port [dec] and acct-port [dec] status has changed from [chars] to [chars]. Server was in previous-state for [chars], and total dead time of the server is [chars]`

Explanation Notifying Radius server status change

Recommended Action No action is required.

RADIUS-6

Error Message `RADIUS-6-RADIUS_ACCOUNTING_MESSAGE: [chars]`

Explanation Accounting Message

Recommended Action No action is required.

Error Message `RADIUS-6-RADIUS_MESSAGE: [chars]`

Explanation RADIUS Message

Recommended Action No action is required.

RES_MGR Messages

This section contains the RES_MGR messages.

RES_MGR-1

Error Message `RES_MGR-1-RES_MGR_HA_ERR: RES_MGR Error: HA sync message received for resource [dec] which does not exist`

Explanation RES_MGR Received HA msg for resource which does not exist Please check standby status and restart standby to recover

Recommended Action No action is required.

RES_MGR-2

Error Message `RES_MGR-2-RES_MGR_CONFLICTING_RESOURCE_KEYS: RES_MGR Critical Error: The [chars] resource key [dec] from node [dec] is conflicting with other nodes.`

Explanation The user should try and release the conflicting resource.

Recommended Action No action is required.

Error Message `RES_MGR-2-RES_MGR_CRIT: RES_MGR Critical: [chars]`

Explanation RES_MGR generic critical condition

Recommended Action No action is required.

Error Message `RES_MGR-2-RES_MGR_HA_PSS_ERR: RES_MGR Error: HA sync message received for resource [dec] with wrong pss type [dec]`

Explanation RES_MGR Received HA msg for resource which does not exist Please check standby status and restart standby to recover

Recommended Action No action is required.

RES_MGR-3

Error Message `RES_MGR-3-RES_MGR_RES_ALREADY_EXCEEDED: RES_MGR Error: The VDC [dec] is currently already using more [chars] resources (total: [dec]) than the desired new maximum limit ([dec])`

Explanation A \limit-resource\ command was issued such that a VDC would be a forbidden state if we obeyed, having already allocated more resources than the new maximum limit

Recommended Action No action is required.

Error Message `RES_MGR-3-RES_MGR_RES_MAX_LOWER_THAN_MIN: RES_MGR Error: The maximum limit for [chars] resources is not allowed to be less than the minimum limit`

Explanation A \limit-resource\ command was issued such that the desired maximum limit was lower than the desired minimum limit

Recommended Action No action is required.

Error Message `RES_MGR-3-RES_MGR_RES_TOO_HIGH: RES_MGR Error: Limits for [chars] resources are not allowed to be set as high`

Explanation A \limit-resource\ command was issued such that a desired limit couldn't be satisfied because of static policies

Recommended Action No action is required.

Error Message `RES_MGR-3-RES_MGR_RES_UNAVAIL: RES_MGR Error: Missing [dec] [chars] resources currently available to satisfy the minimum limit requested for vdc [dec]`

Explanation A \limit-resource\ command was issued such that the desired minimum limit couldn't be satisfied with the currently available resources

Recommended Action No action is required.

RES_MGR-4

Error Message `RES_MGR-4-RES_MGR_MAX_ALLOWED_VDCS_HAS_DECREASED: RES_MGR Warning: The maximum number of allowed VDCs has decreased from [dec] to [dec] since binary config was saved.`

Explanation When startup config was saved, more VDCs were allowed in the system.

Recommended Action No action is required.

Error Message `RES_MGR-4-RES_MGR_RES_ALREADY_EXCEEDED_BUT_NOT_ENFORCED: RES_MGR Warning: The VDC [dec] is currently already using more [chars] resources (total: [dec]) than the desired new maximum limit ([dec]) You may experience some route loss upon switchover, when the new limits will actually take effect.`

Explanation A \limit-resource\ command was issued such that a VDC may not have enough memory for holding the current amount of routing entries when the new limits will be enforced upon switchover

Recommended Action No action is required.

Error Message `RES_MGR-4-RES_MGR_SC_PSS_PCW_NETADMIN: RES_MGR Notification: Performing partial config write for resource [chars] in vdc [dec]`

Explanation A \copy running-config startup-config\ command was issued from a local admin resource limits for the specified resource in the specified vdc had to be saved as a side-effect of it

Recommended Action No action is required.

Error Message `RES_MGR-4-RES_MGR_SC_PSS_PCW: RES_MGR Notification: Performing partial config write for resource [chars]`

Explanation A \copy running-config startup-config\ command was issued from another VDC resource limits for the specified resource had to be saved as part of it

Recommended Action No action is required.

Error Message `RES_MGR-4-RES_MGR_UNEXPECTED_MSG_LEN: RES_MGR Warning: The size of this message was expected to be [dec] ([dec] keys of [dec] size with a [dec] bytes header) and instead was [dec].`

Explanation A message of unexpected length was received.

Recommended Action No action is required.

Error Message `RES_MGR-4-RES_MGR_VLAN_RESERVED_RANGE_UNAVAILABLE: RES_MGR Warning: System is running with limited functionality due to restricted reserved vlan range 3968-4047 should be 3968-4096.`

Explanation User should delete VLANS in range 4048-4093 and use following command: system vlan 3968 reserve

Recommended Action No action is required.

RES_MGR-5

Error Message `RES_MGR-5-RES_MGR_DISABLED: RES_MGR Disabled`

Explanation RES_MGR Service Disabled

Recommended Action No action is required.

Error Message `RES_MGR-5-RES_MGR_ENABLED: RES_MGR Enabled`

Explanation RES_MGR Service Enabled

Recommended Action No action is required.

RES_MGR-6

Error Message `RES_MGR-6-RES_MGR_CONDITION_VERIFIED: RES_MGR info: error 0x[hex] [[chars]] during sysmgrcb_vdc_handshake_done() for vdc [dec]`

Explanation RES_MGR is spotting some issue when VDC got created

Recommended Action No action is required.

RPM Messages

This section contains the RPM messages.

RPM-2

Error Message `RPM-2-PPF_SES_VERIFY_DETAIL: PPF session verify failed on interface [chars]`

Explanation RPM encountered an error while pushing PBR policy changes to PBR clients during PPF Verify

Recommended Action ACTION_REPORT_CS

Error Message `RPM-2-RPM_SYSLOG_LIC_ALERT: If you have enabled this feature in error, please disable the feature. If you have not purchased the license, please contact your Cisco account team to order the license. It is in violation of Cisco's Terms of Use to use this feature without purchasing the license`

Explanation License violation alert

Recommended Action Please install the license file to continue using the feature.

Error Message `RPM-2-RPM_SYSLOG_LIC_HONOUR_BASED: System supports honor based license.Feature will be enabled and fully functional. License usage for feature will appear after license install and a reload.`

Explanation Honour based licensing

Recommended Action Please install the license file to continue using the feature.

Error Message `RPM-2-RPM_SYSLOG_LIC_NOT_FOUND: !!!!!! WARNING: '[chars]' LICENSE NOT FOUND ON THE SYSTEM !!!!!!. You have tried to enable a licensed feature [[chars]] without installing the '[chars]' license, which has not been found on the system.`

Explanation License not found on the system

Recommended Action Please install the license file to continue using the feature.

SAL Messages

This section contains the SAL messages.

SAL-5

Error Message `SAL-5-SAL_DISABLED: SAL Disabled`

Explanation SAL Service Disabled

Recommended Action No action is required.

Error Message `SAL-5-SAL_ENABLED: SAL Enabled`

Explanation SAL Service nabled

Recommended Action No action is required.

SCHEDULER Messages

This section contains the SCHEDULER messages.

SCHEDULER-2

Error Message `SCHEDULER-2-SCH_SYSLOG_MALLOC_ERR: Out of memory: [chars]`

Explanation Process memory exhausted. Possible memory leak.

Recommended Action Contact TAC

Error Message `SCHEDULER-2-SCH_SYSLOG_MTS_ERR: MTS error: [chars]`

Explanation MTS operation failure

Recommended Action Contact TAC

Error Message `SCHEDULER-2-SCH_SYSLOG_PSS_SNAPSHOT_ERR: Source URI:[chars] Destination URI:[chars] errcode:[dec]`

Explanation Error while performing snapshot I/O to PSS

Recommended Action Contact TAC

Error Message `SCHEDULER-2-SCH_SYSLOG_SDWRAP_ERR: Debug infrastructure initialization failed: [chars]`

Explanation Debug infrastructure failed to initialize

Recommended Action Contact TAC

SCHEDULER-3

Error Message `SCHEDULER-3-SCH_ERR: [chars]`

Explanation Scheduler error

Recommended Action No action is required.

Error Message `SCHEDULER-3-SCH_SYSLOG_FILE_ERR: [chars] Error:[chars]`

Explanation File handling error

Recommended Action No action is required.

Error Message `SCHEDULER-3-SCH_SYSLOG_PSS_ERR: Purpose:[chars] URI:[chars] Error:[dec]`

Explanation Error while performing I/O to PSS

Recommended Action Contact TAC

Error Message `SCHEDULER-3-SCH_SYSLOG_USER_ERR: Description: Failed to execute job for user id [chars] Error:[dec]`

Explanation Error while attempting to execute job for user. Possibly, the user is removed from the system.

Recommended Action Ensure the user exists. Make sure he is not a remotely authenticated user.

SCHEDULER-4

Error Message `SCHEDULER-4-SCH_WARN: [chars]`

Explanation Scheduler warning

Recommended Action No action is required.

SCHEDULER-6

Error Message `SCHEDULER-6-SCH_MSG: [chars]`

Explanation Scheduler Message

Recommended Action No action is required.

SDAA Messages

This section contains the SDAA messages.

SDAA-2

Error Message `SDAA-2-ICAM_LICENSE_EXPIRED: iCAM License: NETWORK_SERVICES_PKG license has expired.`

Explanation License has expired. iCAM will work in honor mode.

Recommended Action Take steps to renew NETWORK_SERVICES_PKG license.

Error Message `SDAA-2-ICAM_LICENSE_MISSING_COPY_RS: iCAM license: NETWORK_SERVICES_PKG license is missing.`

Explanation License missing after NXOS version upgrade. iCAM will work in honor mode.

Recommended Action Acquire license for NETWORK_SERVICES_PKG.

Error Message `SDAA-2-ICAM_LICENSE_MISSING_ISSU: iCAM license: NETWORK_SERVICES_PKG license is missing.`

Explanation License missing after ISSU. iCAM will work in honor mode.

Recommended Action Acquire license for NETWORK_SERVICES_PKG.

Error Message `SDAA-2-ICAM_LICENSE_MISSING: iCAM license: NETWORK_SERVICES_PKG license is missing.`

Explanation License required iCAM. iCAM will work in honor mode.

Recommended Action Acquire license for NETWORK_SERVICES_PKG.

Error Message `SDAA-2-INITFAIL: ICAM Initialization failed: [chars]`

Explanation ICAM Initialization failed [chars] explains the reason for the failure.

Recommended Action SYSLOGDOC_NO_ACTION

Error Message `SDAA-2-LOGFLASH_NOT_AVAILABLE: iCAM storage: Logflash not available or not enough space. History data will not be persistent.`

Explanation Logflash is not available or there is not enough space to store iCAM database. History data will not be persistent across switch reload.

Recommended Action Disable iCAM feature, install logflash or free up space in logflash, and re-enable iCAM feature.

Error Message `SDAA-2-LOGFLASH_REMOVED: iCAM storage: Logflash is removed or no longer available. History data will not be accessible and future data will not be persistent.`

Explanation Logflash is no longer available. Database moved to non-persistent storage. History data will not be persistent across switch reload.

Recommended Action Disable iCAM feature, install/replace logflash, and re-enable iCAM feature.

Error Message `SDAA-2-PROCESS_THRESHOLD_EXCEEDED_CRIT: Utilization of [dec] percent for [chars] for process:[chars] uuid:0x[hex] module:[dec] vdc:[dec] is over the critical threshold.`

Explanation See the reason.

Recommended Action Take actions to reduce the utilization for the affected process.

Error Message `SDAA-2-SCALE_THRESHOLD_EXCEEDED_CRIT: Utilization of [dec] percent for feature [chars] is over the critical threshold.`

Explanation See the reason.

Recommended Action Take actions to reduce the utilization for the affected feature.

Error Message `SDAA-2-SDAA_EVT_CHKPT: [chars]`

Explanation Debug checkpoint for event hanlder

Recommended Action SYSLOGDOC_NO_ACTION

Error Message `SDAA-2-SDAA_EXIT: Process exits`

Explanation SDAA process exits

Recommended Action SYSLOGDOC_NO_ACTION

Error Message `SDAA-2-SDAA_INIT_FAIL: [chars]`

Explanation SDAA Initialization failed

Recommended Action SYSLOGDOC_NO_ACTION

Error Message `SDAA-2-SDAA_INIT_SUCCESS: [chars]`

Explanation SDAA Initialization successful

Recommended Action SYSLOGDOC_NO_ACTION

Error Message `SDAA-2-SDAA_MTS_BIND: MTS Bind failed: hdl: [dec], errno: [dec]`

Explanation MTS Bind failed

Recommended Action SYSLOGDOC_NO_ACTION

Error Message `SDAA-2-SDAA_MTS_FD_GET: Failed to get MTS fd, ret: [dec], errno: [dec]`

Explanation Failed to get MTS fd to be used in receiving MTS msgs

Recommended Action SYSLOGDOC_NO_ACTION

Error Message `SDAA-2-SDAA_MTS_OPT_SET: MTS Option Set failed: ret: [dec], errno: [dec]`

Explanation Failed to set MTS options

Recommended Action SYSLOGDOC_NO_ACTION

Error Message `SDAA-2-SDAA_MTS_SDWRAP_REG: MTS registration with SDWrap failed: ret: [dec]`

Explanation Failed to register MTS for SDWrap

Recommended Action SYSLOGDOC_NO_ACTION

Error Message `SDAA-2-SHMEM_THRESHOLD_EXCEEDED_CRIT: Utilization of [dec] percent for component:[chars] module:[dec] vdc:[dec] is over the critical threshold.`

Explanation See the reason.

Recommended Action Take actions to reduce the utilization for the affected component.

SDAA-4

Error Message `SDAA-4-ICAM_LICENSE_EXPIRING: iCAM License: NETWORK_SERVICES_PKG license expires in [dec] days [dec] hours [chars] seconds.`

Explanation License expiration warning. Feature will work in honor mode.

Recommended Action Take steps to renew license.

Error Message `SDAA-4-ISSU_PRE_UPGRADE_TIMEOUT: ISSU: pre-upgrade timed out, reason: [chars].`

Explanation See the reason.

Recommended Action Try again with the upgrade.

Error Message `SDAA-4-LOW_STORAGE_SPACE: iCAM storage: Filesystem low storage space.`

Explanation Not enough space to fully store iCAM database. Check 'show system internal icam info' for utilization details.

Recommended Action Free up space in logflash or install logflash, disable iCAM feature, and then re-enable iCAM feature.

Error Message `SDAA-4-PROCESS_THRESHOLD_EXCEEDED_WARN: Utilization of [dec] percent for [chars] for process:[chars] uuid:0x[hex] module:[dec] vdc:[dec] is over the warning threshold.`

Explanation See the reason.

Recommended Action Closely monitor the utilization for the affected process.

Error Message `SDAA-4-SCALE_THRESHOLD_EXCEEDED_WARN: Utilization of [dec] percent for feature [chars] is over the warning threshold.`

Explanation See the reason.

Recommended Action Closely monitor the utilization for the affected feature.

Error Message `SDAA-4-SHMEM_THRESHOLD_EXCEEDED_WARN: Utilization of [dec] percent for component:[chars] module:[dec] vdc:[dec] is over the warning threshold.`

Explanation See the reason.

Recommended Action Closely monitor the utilization for the affected component.

SDAA-5

Error Message `SDAA-5-HIGH_DATABASE_UTILIZATION_AGE: iCAM database: High database utilization. Aging out additional historical data to make space.`

Explanation Database utilization is high so age out more historical data. Check 'show system internal icam info' for utilization details.

Recommended Action Disable monitoring for some class/module/inst to reduce database utilization.

SDAA-6

Error Message `SDAA-6-PROCESS_THRESHOLD_EXCEEDED_INFO: Utilization of [dec] percent for [chars] for process:[chars] uuid:0x[hex] module:[dec] vdc:[dec] is over the info threshold.`

Explanation See the reason.

Recommended Action Monitor the utilization for the affected process.

Error Message `SDAA-6-SCALE_THRESHOLD_EXCEEDED_INFO: Utilization of [dec] percent for feature [chars] is over the info threshold.`

Explanation See the reason.

Recommended Action Monitor the utilization for the affected feature.

Error Message `SDAA-6-SHMEM_THRESHOLD_EXCEEDED_INFO: Utilization of [dec] percent for component:[chars] module:[dec] vdc:[dec] is over the info threshold.`

Explanation See the reason.

Recommended Action Monitor the utilization for the affected component.

SECURITYD Messages

This section contains the SECURITYD messages.

SECURITYD-2

Error Message `SECURITYD-2-CONSENT_TOKEN_ERROR_MESSAGE: CT_ERROR : [chars]`

Explanation Consent-token error message

Recommended Action No action is required.

Error Message `SECURITYD-2-FEATURE_ENABLE_DISABLE: User [chars] has [chars] the feature [chars]`

Explanation User has enabled or disabled the feature

Recommended Action No action is required.

Error Message `SECURITYD-2-FEATURE_NXAPI_ENABLE: Feature nxapi is being enabled [chars]`

Explanation Feature nxapi has been enabled with https and the http port is disabled

Recommended Action To enable http access to the device, please configure 'nxapi http port '

Error Message `SECURITYD-2-FIPS_BYPASS_SELF_TEST_STATUS: FIPS Bypass self-test status : [chars]`

Explanation Status of FIPS self-test [chars]

Recommended Action No action is required.

Error Message `SECURITYD-2-FIPS_CRNG_SELF_TEST_STATUS: FIPS CRNG self-test status : [chars]`

Explanation Status of FIPS self-test [chars]

Recommended Action No action is required.

Error Message `SECURITYD-2-FIPS_CRYPTO_SELF_TEST_STATUS: FIPS [chars] Crypto self-test status : [chars]`

Explanation Status of FIPS [chars] self-test [chars]

Recommended Action No action is required.

Error Message `SECURITYD-2-FIPS_IMAGE_INTEGRITY_SELF_TEST_STATUS: FIPS Image Integrity self-test status : [chars]`

Explanation Status of FIPS [chars] self-test [chars]

Recommended Action No action is required.

Error Message `SECURITYD-2-FIPS_POST_ERROR_MSG: [chars]`

Explanation Fips post Error Message

Recommended Action No action is required.

Error Message `SECURITYD-2-FIPS_POST_MAINTENANCE: FIPS Test failed. Moving to maintenance mode`

Explanation FIPS Test failed. Moving to maintenance mode

Recommended Action No action is required.

Error Message `SECURITYD-2-FIPS_POST_TEST_FAILED: FIPS crypto-test failure : [dec]`

Explanation FIPS crytpo-test failed [chars]

Recommended Action No action is required.

Error Message `SECURITYD-2-FIPS_POWERUP_SELF_TESTS_STATUS: FIPS power-up self-test status: [chars]`

Explanation Status FIPS self-test [chars]

Recommended Action No action is required.

Error Message `SECURITYD-2-FIPS_POWERUP_SELF_TEST_STATUS: FIPS [chars] power-up self-test status : [chars]`

Explanation Status of FIPS [chars] power-up self-test [chars]

Recommended Action No action is required.

Error Message `SECURITYD-2-FIPS_SELF_TEST_FAILED: FIPS self-test failure : [chars] : [chars]`

Explanation FIPS self-test failed [chars] for service [chars]

Recommended Action No action is required.

Error Message `SECURITYD-2-INVALID_ADMIN_PASSWD: User admin has NULL password. Copy r s aborted`

Explanation User admin has NULL password. Copy r s aborted

Recommended Action No action is required.

Error Message `SECURITYD-2-PROGRAM_EXIT: security/accounting daemon exiting: [chars]`

Explanation Security/accounting daemon is exiting.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

SECURITYD-3

Error Message `SECURITYD-3-NVRAMFAILURE: nvram failure`

Explanation Nvram can not be read/written to. Hence accounting log can not be stored there

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SECURITYD-3-USERPASSPHRASE_TIMEVALUE_FAIL: Update timevalue for user: [chars] [FAIL]`

Explanation Update timevalue for [chars]

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

SECURITYD-4

Error Message `SECURITYD-4-USER_BASH_SHELL_REVOKE: [chars]`

Explanation Revoked User bash access

Recommended Action No action is required.

SECURITYD-6

Error Message `SECURITYD-6-ACCOUNTING_MESSAGE: [chars]`

Explanation Accounting Message

Recommended Action No action is required.

Error Message `SECURITYD-6-CHANGE_PASSWD: changing passwd for [chars]`

Explanation Changing passwd for [chars]

Recommended Action No action is required.

Error Message `SECURITYD-6-DELETE_STALE_USER_ACCOUNT: deleting expired user account:[chars]`

Explanation Deleting expired user account of [chars]

Recommended Action No action is required.

Error Message `SECURITYD-6-FIPS_MODE_SET_FAILED: Error when setting FIPS mode : [chars]`

Explanation FIPS mode failed [chars]

Recommended Action No action is required.

Error Message `SECURITYD-6-FIPS_MODE_SET: FIPS mode is [chars] for service [chars]`

Explanation FIPS mode is changed [chars] [chars]

Recommended Action No action is required.

Error Message `SECURITYD-6-FIPS_POST_INFO_MSG: [chars]`

Explanation Fips post Information Message

Recommended Action No action is required.

SEGMENT-ROUTING Messages

This section contains the SEGMENT-ROUTING messages.

SEGMENT-ROUTING-1

Error Message `SEGMENT-ROUTING-1-INIT: [chars] failed`

Explanation SR process initialization failed.

Recommended Action Restart OSPF process

Error Message `SEGMENT-ROUTING-1-SRGB_CLEANUP: [chars] failed`

Explanation SRGB cleanup from PIB failed.

Recommended Action Restart client processes

SEGMENT-ROUTING-2

Error Message `SEGMENT-ROUTING-2-SRGB_INVALID_RANGE: Segment routing global block [dec] - [dec] not supported, reverting to global block [dec] - [dec]`

Explanation Segment routing global block is not supported, default range will be used

Recommended Action Configure segment routing global block within supported range

SEGMENT-ROUTING-3

Error Message `SEGMENT-ROUTING-3-INT_ERR: Internal Error [chars]`

Explanation Internal Error happened

Recommended Action No action is required.

Error Message `SEGMENT-ROUTING-3-MTS_BIND: Error returned from mts_bind(), errno: [chars]`

Explanation SRAPP called a MTS API which returned an error.

Recommended Action No action is required.

Error Message `SEGMENT-ROUTING-3-PFX_CONF_ERR: Configuration for Prefix/sid: [chars]/[dec]([chars]) invalid`

Explanation Config Error happened

Recommended Action No action is required.

SEGMENT-ROUTING-5

Error Message `SEGMENT-ROUTING-5-STATE_CHANGE: Segment-routing [chars]`

Explanation SR state change

Recommended Action No action is required.

SENSOR_USD Messages

This section contains the SENSOR_USD messages.

SENSOR_USD-2

Error Message `SENSOR_USD-2-SNSM_SYSLOG_INIT_FAILED: Sensor Mgr Initialization failed. Component [chars]`

Explanation Sensor Manager syslog message

Recommended Action No action is required.

Error Message `SENSOR_USD-2-SNSM_SYSLOG_SHUTDOWN: Sensor Mgr process shutting down: [chars]`

Explanation Sensor Manager syslog message

Recommended Action No action is required.

Error Message `SENSOR_USD-2-SNSM_SYSYLOG_ALLOC_MEMORY: Sensor Mgr Memory allocation failed`

Explanation Sensor Manager syslog message

Recommended Action No action is required.

SENSOR_USD-3

Error Message `SENSOR_USD-3-MSG_SNSM_SYS_MEM_ALOC_FAILURE: Sensor Mgr Error in allocing mem: [dec], Error code = [dec]`

Explanation Sensor Manager syslog message

Recommended Action No action is required.

Error Message `SENSOR_USD-3-SNSM_API_CALL_FAILURE: Sensor Mgr Error in [chars] call errno=[dec]`

Explanation Sensor Manager syslog message

Recommended Action No action is required.

Error Message `SENSOR_USD-3-SNSM_SYSLOG_BAD_MTS_MSG: Sensor Mgr Received bad MTS message: [dec]`

Explanation Sensor Manager syslog message

Recommended Action No action is required.

Error Message `SENSOR_USD-3-SNSM_SYSLOG_MTS_PROCESS_ERROR: Sensor Mgr Error in processing MTS message: [dec], Error code = 0x[hex]`

Explanation Sensor Manager syslog message

Recommended Action No action is required.

Error Message `SENSOR_USD-3-SNSM_SYS_DEQUE_PENDING_QUE_FAILURE: Sensor Mgr Error in Dequing pend Que: [hex], Error code = 0x[hex]`

Explanation Sensor Manager syslog message

Recommended Action No action is required.

Error Message `SENSOR_USD-3-SNSM_SYS_ENQUE_PENDING_QUE_FAILED: Sensor Mgr Error in queuing to pending queue: [hex], Error code = 0x[hex]`

Explanation Sensor Manager syslog message

Recommended Action No action is required.

Error Message `SENSOR_USD-3-SNSM_SYS_MTS_RECV_FAILURE: Sensor Mgr Error in receving MTS mesg`

Explanation Sensor Manager syslog message

Recommended Action No action is required.

SENSOR_USD-5

Error Message `SENSOR_USD-5-SNSM_SYSLOG_STARTING: Sensor Mgr process started`

Explanation Sensor Manager syslog message

Recommended Action No action is required.

SESSION-MGR Messages

This section contains the SESSION-MGR messages.

SESSION-MGR-2

Error Message `SESSION-MGR-2-DB_UNLOCK_FAILED: Failed to unlock the database for session:[chars]`

Explanation Session-Manager failed to unlock the database for session: [chars]

Recommended Action No action is required.

SESSION-MGR-3

Error Message `SESSION-MGR-3-CSM_CFS_SEND_FAILED: CFS send failed. Error: '[chars]' '(0x[hex])'`

Explanation CFS send status

Recommended Action No action is required.

Error Message `SESSION-MGR-3-CSM_SP_DEL_FAILED: Switch-profile delete failed: '[chars]'`

Explanation Switch-profile deletion

Recommended Action No action is required.

Error Message `SESSION-MGR-3-CSM_SP_PEER_TIMEOUT: Peer timed-out in sending next request`

Explanation Peer timeout

Recommended Action No action is required.

Error Message `SESSION-MGR-3-SSN_ALLOC_FAILED: Failed in File:[chars] Line:[dec] for type [dec] size [dec]`

Explanation Session-mgr process could not allocate heap memory in File:[chars], at line:[dec], for memory-type:[dec] of Size:[dec]

Recommended Action No action is required.

SESSION-MGR-4

Error Message `SESSION-MGR-4-CSM_COMMIT_FAILED: Commit failed for switch-profile '[chars]' Session Type: '[chars]'`

Explanation Commit failed for the switch-profile

Recommended Action Please identify the cause of the error and fix it

Error Message `SESSION-MGR-4-CSM_CREATE_CHECKPOINT_FAILED: Create-checkpoint failed: Name:'[chars]', retval: '0x[hex]'`

Explanation Create-checkpoint status

Recommended Action No action is required.

Error Message `SESSION-MGR-4-CSM_DELETE_PROFILE_FAILED: Switch-profile deletion failed switch-profile '[chars]' Session type:'[chars]'`

Explanation Switch-profile deletion failed for the switch-profile

Recommended Action Please identify the cause of the error and fix it

Error Message `SESSION-MGR-4-CSM_DEL_CHECKPOINT_FAILED: Del-checkpoint failed: Name:'[chars]'`

Explanation Del-checkpoint status

Recommended Action No action is required.

Error Message `SESSION-MGR-4-CSM_FILE_BASED_ROLLBACK_FAILED: File-based rollback failed: Switch profile:'[chars]'`

Explanation File-based rollback status

Recommended Action No action is required.

Error Message `SESSION-MGR-4-CSM_PEER_INFO_NOT_FOUND: Peer [chars] is not yet configured in the switch-profile '[chars]'`

Explanation This peer is not yet configured in the switch-profile

Recommended Action Please configure the peer in the switch-profile

Error Message `SESSION-MGR-4-CSM_ROLLBACK_FAILED: Rollback failed: Switch profile:'[chars]'`

Explanation Rollback status

Recommended Action No action is required.

Error Message `SESSION-MGR-4-CSM_VERIFY_FAILED: Verification failed for switch-profile '[chars]' Session type: '[chars]'`

Explanation Verification failed for the switch-profile

Recommended Action Please identify the cause of the error and fix it

Error Message `SESSION-MGR-4-FEATURE_DISABLE_COMPLETE: Port profile has successfully completed parsing after disabling the feature`

Explanation Port profile has successfully completed parsing after disabling the feature

Recommended Action No action is required.

Error Message `SESSION-MGR-4-ISSU_FAILED: [chars] :0x[hex]`

Explanation Session manager failed ISSU because of:[string] and error: [hex]

Recommended Action No action is required.

SESSION-MGR-6

Error Message `SESSION-MGR-6-CSM_CREATE_CHECKPOINT_SUCCESS: Create-checkpoint success: Name:'[chars]', checkpoint_id: '[dec]'`

Explanation Create-checkpoint status

Recommended Action No action is required.

Error Message `SESSION-MGR-6-CSM_DEL_CHECKPOINT_SUCCESS: Delete-checkpoint successful: Name:'[chars]'`

Explanation Del-checkpoint status

Recommended Action No action is required.

Error Message `SESSION-MGR-6-CSM_FILE_BASED_ROLLBACK_SUCCESS: File-based rollback successful: Switch profile:'[chars]'`

Explanation File-based rollback status

Recommended Action No action is required.

Error Message `SESSION-MGR-6-CSM_LOCAL_SESSION_COMPLETE: [chars]: Name '[chars]' Type:'[chars]' Subtype:'[chars]' Local status:'[chars]'`

Explanation Completed local session info

Recommended Action No action is required.

Error Message `SESSION-MGR-6-CSM_ROLLBACK_SUCCESS: Rollback successful: Switch profile:'[chars]'`

Explanation Rollback status

Recommended Action No action is required.

Error Message `SESSION-MGR-6-CSM_SESSION_COMPLETE: [chars]: Name '[chars]' Type:'[chars]' Subtype:'[chars]' Local status:'[chars]' Peer:'[chars]' Peer status:'[chars]'`

Explanation Completed session info

Recommended Action No action is required.

Error Message `SESSION-MGR-6-CSM_SESSION_INIT: Initiating a session. [chars]: Profile name:'[chars]' Type:'[chars]' Subtype:'[chars]' Peer [chars]`

Explanation Iniitating a session

Recommended Action No action is required.

Error Message `SESSION-MGR-6-CSM_SP_DELETE_IN_PROGRESS: Switch-profile delete in progress: switch-profile: '[chars]'`

Explanation Switch-profile delete status

Recommended Action No action is required.

Error Message `SESSION-MGR-6-CSM_SP_DEL_SUCCESS: Switch-profile delete succeeded: '[chars]'`

Explanation Switch-profile deletion

Recommended Action No action is required.

Error Message `SESSION-MGR-6-CSM_SP_LOCAL_DELETE: [chars]: Name '[chars]' Type:'[chars]' Subtype:'[chars]' Peer:'[chars]'`

Explanation Received switch-profile delete local-config

Recommended Action No action is required.

Error Message `SESSION-MGR-6-CSM_SP_PEER_ADD: Received peer-add for peer-ip: '[chars]'`

Explanation Peer addition

Recommended Action No action is required.

Error Message `SESSION-MGR-6-CSM_SP_PEER_DEL: Received peer-delete for peer-wwn: '[chars]'`

Explanation Peer deletion

Recommended Action No action is required.

Error Message `SESSION-MGR-6-CSM_SP_REMOTE_PEER_DELETE: Peer has been unconfigured on remote switch: Peer-ip: '[chars]'`

Explanation Received peer delete from remote switch

Recommended Action No action is required.

Error Message `SESSION-MGR-6-CSM_UNKNOWN_SESSION_TYPE: Attempt to initiate unknown session. Profile name:'[chars]' Type:'[dec]' Subtype:'[dec]' Peer:'[chars]'`

Explanation Iniitating a session

Recommended Action No action is required.

SGAGENT Messages

This section contains the SGAGENT messages.

SGAGENT-SLOT#-2

Error Message `SGAGENT-SLOT#-2-PPF_FAILED: Database failure: [chars]`

Explanation Database operation failed in the sgagent client

Recommended Action No DDTS.

Error Message `SGAGENT-SLOT#-2-SGAGENT_FAILED: SGAGENT failure: [chars]`

Explanation SGAGENT operation failed in the sgagent client

Recommended Action No DDTS.

Error Message `SGAGENT-SLOT#-2-SGAGENT_INBAND_INTERFACE_FAILURE: Inband interface lif lookup failed ([chars])`

Explanation Inband interface lif lookup failed

Recommended Action No DDTS.

Error Message `SGAGENT-SLOT#-2-SGAGENT_MALLOC_FAILED: Memory allocation failed. [chars]`

Explanation Memory allocation failed. This is a critical failure

Recommended Action No DDTS.

Error Message `SGAGENT-SLOT#-2-SGAGENT_OOTR: Tcam resource exhausted: [chars]`

Explanation Tcam resources to program acls exhausted

Recommended Action No DDTS.

SGAGENT-SLOT#-3

Error Message `SGAGENT-SLOT#-3-SGAGENT_CC_INVALID: Invalid Congestion Control parameters: [chars]`

Explanation Invalid Congestion Control parameters

Recommended Action No DDTS.

Error Message `SGAGENT-SLOT#-3-SGAGENT_MCM_ERROR: MCM Message Inconsistent. Please collect MCM and ACLMgr Tech Support for all VDCs`

Explanation MCM Message Inconsistent

Recommended Action No DDTS.

Error Message `SGAGENT-SLOT#-3-SGAGENT_PAUSE_INVALID: Invalid Pause parameters: [chars]`

Explanation Invalid Pause parameters

Recommended Action No DDTS.

Error Message `SGAGENT-SLOT#-3-SGAGENT_QUEUING_ERROR: ACL/QoS queuing error: [chars]`

Explanation Internal error in ACL/QoS queuing config

Recommended Action No DDTS.

SGAGENT-SLOT#-4

Error Message `SGAGENT-SLOT#-4-SGAGENT_ATOMIC_ERR: [chars]`

Explanation Tcam will be overused, please turn off atomic update

Recommended Action No DDTS.

Error Message `SGAGENT-SLOT#-4-SGAGENT_BC_OVER_THRESHOLD: Bank Chaining enabled: Inst [dec]'s usage has reached its threshold`

Explanation Tcam is almost full

Recommended Action No DDTS.

Error Message SGAGENT-SLOT#-4-SGAGENT_FC_WARNING: Found stale FCoE entry in instance [dec]. VSAN: [dec], SID: 0x[hex], DID: 0x[hex], SI:[dec], SI_MASK:[dec], RW_VSAN: [dec], RW_VSAN_FLAG: [dec], RW_SID: 0x[hex], RW_SID_FLAG: [dec], RW_DID: 0x[hex]. RW_DID_FLAG: [dec] Cleaning it up.

Explanation Found stale FCoE entry in instance [dec]. VSAN: [dec], SID: 0x[hex], DID: 0x[hex], SI:[dec], SI_MASK:[dec], RW_VSAN:[dec], RW_VSAN_FLAG: [dec], RW_SID: 0x[hex], RW_SID_FLAG:[dec], RW_DID: 0x[hex]. RW_DID_FLAG: [dec] Cleaning it up.

Recommended Action No DDTS.

Error Message SGAGENT-SLOT#-4-SGAGENT_MATCH_ALL_MERGE_UPDATE: Warning (match_all merging): [chars]

Explanation Warning (match_all merging)

Recommended Action No DDTS.

Error Message SGAGENT-SLOT#-4-SGAGENT_OVER_THRESHOLD: Inst [dec] Tcam [dec] Bank [dec]'s usage has reached its threshold

Explanation Tcam is almost full

Recommended Action No DDTS.

Error Message SGAGENT-SLOT#-4-SGAGENT_QUEUING_COS2Q_INVALID: ACL/QoS invalid queuing policy because of cos map change: [chars] queue [chars], interface [chars]

Explanation Attemped to configure an invalid queuing policy

Recommended Action No DDTS.

Error Message SGAGENT-SLOT#-4-SGAGENT_QUEUING_INVALID: ACL/QoS invalid queuing policy: [chars]

Explanation Attemped to configure an invalid queuing policy

Recommended Action No DDTS.

Error Message SGAGENT-SLOT#-4-SGAGENT_UNDER_THRESHOLD: Tcam [dec] Bank [dec]'s usage is below the threshold now

Explanation Tcam's usage is below the threshold

Recommended Action No DDTS.

Error Message SGAGENT-SLOT#-4-SGAGENT_WARNING: SGAGENT Warning: [chars]

Explanation SGAGENT Warnings

Recommended Action No DDTS.

SGAGENT-SLOT#-5

Error Message `SGAGENT-SLOT#-5-SGAGENT_DISRUPTIVE_IPv6_UPDATE: Disruptive update of IPv6 compression entries`

Explanation Disruptive IPv6 compression entries update

Recommended Action No DDTS.

Error Message `SGAGENT-SLOT#-5-SGAGENT_NON_ATOMIC: Non atomic ACL/QoS policy update done for [chars]`

Explanation Non atomic ACL/QoS policy update was done

Recommended Action No DDTS.

SKSD Messages

This section contains the SKSD messages.

SKSD-2

Error Message `SKSD-2-SKSD_CRYPT_SERVICE_CRIT: Encryption-Service: [chars]`

Explanation Encryption Service critical errors.

Recommended Action No action is required.

SKSD-3

Error Message `SKSD-3-SKSD_CRYPT_SERVICE_ERR: Encryption-Service: [chars]`

Explanation Encryption Service errors.

Recommended Action No action is required.

Error Message `SKSD-3-SKSD_FIPS_MODE_INIT_ERROR: Could not initialize FIPS mode : [chars]`

Explanation FIPS mode initialization error

Recommended Action No action is required.

Error Message `SKSD-3-SKSD_FIPS_MODE_SELFTEST: FIPS POST for [chars] [chars]`

Explanation FIPS Selftest Result

Recommended Action No action is required.

SKSD-4

Error Message `SKSD-4-SKSD_CRYPT_SERVICE_WARN: Encryption-Service: [chars]`

Explanation Encryption Service warnings.

Recommended Action No action is required.

SKSD-5

Error Message `SKSD-5-SKSD_CRYPT_SERVICE_NOTICE: Encryption Service: [chars]`

Explanation Encryption Service updates.

Recommended Action No action is required.

Error Message `SKSD-5-SKSD_EXIT: Keystore Application Exiting: [chars]`

Explanation Keystore Program exiting

Recommended Action No action is required.

Error Message `SKSD-5-SKSD_FUNC: Keystore Operation: [chars]`

Explanation Keystore Event upon a receiving a request

Recommended Action No action is required.

Error Message `SKSD-5-SKSD_HW_INIT: Hardware Keystore Init done`

Explanation Hardware Keystore Init completed

Recommended Action No action is required.

Error Message `SKSD-5-SKSD_HW_RESET: Hardware Reset :[chars]`

Explanation Hardware Reset

Recommended Action No action is required.

Error Message `SKSD-5-SKSD_HW: Smartcard :[chars]`

Explanation Smartcard Presence

Recommended Action No action is required.

Error Message `SKSD-5-SKSD_INIT: Keystore Application Init: [chars]`

Explanation Keystore Program Init

Recommended Action No action is required.

Error Message `SKSD-5-SKSD_KEY_ADD: Key added`

Explanation Key added to keystore

Recommended Action No action is required.

Error Message `SKSD-5-SKSD_KEY_DELETE: Key deleted`

Explanation Key deleted from keystore

Recommended Action No action is required.

Error Message `SKSD-5-SKSD_MKEY_INSTALL: Installing a Master Key on the smartcard(s)`

Explanation Installing a new Master Key on the smartcard(s)

Recommended Action No action is required.

Error Message `SKSD-5-SKSD_SUP_STATE: Supervisor card new state: [dec]`

Explanation Supervisor state change

Recommended Action No action is required.

Error Message `SKSD-5-SKSD_SW_INIT: Software Keystore Init done`

Explanation Software Keystore Init completed

Recommended Action No action is required.

SKSD-6

Error Message `SKSD-6-SKSD_CRYPT_SERVICE_INFO: Encryption Service: [chars]`

Explanation Encryption Service informational updates.

Recommended Action No action is required.

SNMPD Messages

This section contains the SNMPD messages.

SNMPD-1

Error Message `SNMPD-1-ALERT: SNMP log alert : [chars]`

Explanation SNMP log alert message.

Recommended Action No action is required.

SNMPD-2

Error Message `SNMPD-2-CRITICAL: SNMP log critical : [chars]`

Explanation SNMP log critical message.

Recommended Action No action is required.

SNMPD-3

Error Message `SNMPD-3-ERROR: SNMP log error : [chars]`

Explanation SNMP log error message.

Recommended Action No action is required.

SNMPD-4

Error Message `SNMPD-4-WARNING: SNMP log warning : [chars]`

Explanation SNMP log warning message.

Recommended Action No action is required.

SNMPD-5

Error Message `SNMPD-5-NOTIFICATION: SNMP log notification : [chars]`

Explanation SNMP log notification message.

Recommended Action No action is required.

SNMPD-6

Error Message `SNMPD-6-INFO: SNMP log informational : [chars]`

Explanation SNMP log info message.

Recommended Action No action is required.

SNMPD-7

Error Message `SNMPD-7-DEBUG: SNMP log debugging : [chars]`

Explanation SNMP log debug message.

Recommended Action No action is required.

SPAN Messages

This section contains the SPAN messages.

SPAN-2

Error Message `SPAN-2-MEM_FULL: Memory allocation failed`

Explanation Memory allocation failed

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

SPAN-3

Error Message `SPAN-3-IPC_FAIL: IPC Error`

Explanation Internal IPC error

Recommended Action No action is required.

Error Message `SPAN-3-SYSINFO_TIMEOUT: Span timed out waiting for response from port manager for sys info`

Explanation Span request for critical system information from port manager timed out. So, span on the new active is exiting and system manager will restart Span.

Recommended Action No action is required.

SPAN-5

Error Message `SPAN-5-ATL_VSAN_DEFAULT_ALL: Default to all VSANs for SPAN egress session`

Explanation Generation 2 fabric switches support only one VSAN filter for egress SPAN session. If no or more than one VSANs are specified, SPAN will default to use all VSANs for the egress SPAN session

Recommended Action No action is required.

Error Message `SPAN-5-SPAN_CFG_REJECT_SRC_VSAN_FILTER_NOT_SUPPORTED: Source interface [[chars]] in dir [[chars]] removed from session [[dec]].`

Explanation Interface level VSAN filters is not supported

Recommended Action No action is required.

Error Message `SPAN-5-SPAN_CFG_REJECT_VSAN_SRC_PRESENT: Source VSAN [[dec]] removed from session [[dec]].`

Explanation Source VSANs are removed from the session as mixing of interface and VSANs is not supported.

Recommended Action No action is required.

Error Message `SPAN-5-SPAN_PSS_CORRUPTION: Span is starting stateless due to PSS corruption`

Explanation Due to unrecoverable PSS corruption error, SPAN starts stateless without any configuration

Recommended Action No action is required.

Error Message `SPAN-5-SPAN_PVLAN_SRC: Private vlan source is not supported in monitor session.`

Explanation Private vlan source not supported in span/erspan sessions.

Recommended Action No action is required.

Error Message `SPAN-5-STATELESS_RESTART_ON_ACTIVE: Span is restarting as Span on active sup was restarted stateless.`

Explanation Due to unrecoverable error, Span on active supervisor was restarted stateless. So, the standby Span restarts to get in sync with the stateless Span on active.

Recommended Action No action is required.

Error Message `SPAN-5-STATELESS_RESTART: Span is restarting stateless.`

Explanation Due to unrecoverable error, Span is starting stateless. The currently active sessions will not be preserved. The user will have to reenter all the configuration.

Recommended Action No action is required.

SPAN-6

Error Message `SPAN-6-SESSION_DOWN: Session [dec] is inactive ([chars])`

Explanation Session [dec] is inactive now. Traffic for this session is no longer spanned

Recommended Action Check the reason for session inactive using command 'show span session' and take corresponding action.

Error Message `SPAN-6-SESSION_UP: Session [dec] is active, destination SD port [chars]`

Explanation Session [dec] is active now. You can monitor Spanned traffic at the destination SD port

Recommended Action No action is required.

Error Message `SPAN-6-STATELESS_SWITCHOVER: Span is starting stateless after switchover.`

Explanation Active sessions are not preserved across switchover. Span is starting stateless and the configuration will be reapplied to get back the active configuration.

Recommended Action No action is required.

STP Messages

This section contains the STP messages.

STP-2

Error Message `STP-2-BLOCK_BPDUGUARD: Received BPDU on port [chars], vlan [dec] with BPDU Guard enabled. Disabling port.`

Explanation A BPDU was received in the interface specified in the error message that has the spanning tree BPDU Guard feature enabled. As a result, the interface was administratively shut down.

Recommended Action Either remove the device sending BPDUs or disable the BPDU Guard feature. The BPDU Guard feature can be locally configured on the interface or globally configured on all ports that have portfast enabled. After the conflict has been resolved, re-enable the interface by entering the no shutdown command in interface configuration mode.

Error Message `STP-2-BLOCK_DETECTED_PVST_PEER: Blocking port [chars] [PVST peer detected].`

Explanation The listed interface received SSTP BPDU indicating that peer is running PVST and will be held in spanning tree blocking state until the interface stops receiving SSTP BPDUs

Recommended Action Either enable PVST simulation configuration for the interface or make sure the port peer is not PVST switch

Error Message `STP-2-BLOCK_PVID_LOCAL: Blocking [chars] on [chars]. Inconsistent local vlan.`

Explanation The spanning tree port associate with the listed spanning tree instance and interface will be held in spanning tree blocking state until the Port VLAN ID (PVID) inconsistency is resolved. The listed spanning tree instance is that of the native VLAN id of the listed interface.

Recommended Action Verify that the configuration of the native VLAN id is consistent on the interfaces on each end of the 802.1Q trunk connection. Once corrected, spanning tree will automatically unblock the interfaces as appropriate.

Error Message `STP-2-BLOCK_PVID_PEER: Blocking [chars] on [chars]. Inconsistent peer vlan.`

Explanation The spanning tree port associate with the listed spanning tree instance and interface will be held in spanning tree blocking state until the port VLAN Id (PVID) inconsistency is resolved. The listed spanning tree instance is that of the native VLAN id of interface on the peer switch to which the

listed interface is connected.

Recommended Action Verify that the configuration of the native VLAN id is consistent on the interfaces on each end of the 802.1Q trunk connection. Once corrected, spanning tree will automatically unblock the interfaces as appropriate.

Error Message `STP-2-BRIDGE_ASSURANCE_BLOCK: Bridge Assurance blocking port [chars] [chars].`

Explanation BPDUs were not received from a neighboring switch on the interface that has spanning tree Bridge Assurance configured. As a result, the interface was moved to the spanning tree Blocking state

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-2-BRIDGE_ASSURANCE_UNBLOCK: Bridge Assurance unblocking port [chars] [chars].`

Explanation The interface listed in the message has been restored to normal spanning tree state after receiving BPDUs from the neighboring L2 switch/bridge

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-2-BRIDGE_ASSURANCE_WARNING: Bridge Assurance MUST be enabled at the remotely connected interface`

Explanation Bridge Assurance MUST be enabled at the remotely connected interface

Recommended Action Enable it on Peer-link.

Error Message `STP-2-DISPUTE_CLEARED: Dispute resolved for port [chars] on [chars].`

Explanation The listed interface has stopped receiving Inferior BPDUs with designated role and state as learning and/or forwarding. The Dispute has been resolved and if the port is still designated, it will be taken out of the blocking state as and when appropriate.

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-2-DISPUTE_DETECTED: Dispute detected on port [chars] in [chars] from Bridge ID [chars] source MAC [chars] PVID [dec]`

Explanation The spanning tree has detected a Dispute on this interface. The BPDU received from the peer is Inferior with designated role and state as learning and/or forwarding. Since this condition could be caused by an unidirectional link failure, the interface is put into blocking state and marked as disputed in order to prevent possible loops from being created

Recommended Action Issue the show spanning-tree inconsistentports command to review the list of interfaces with Dispute. Dispute is caused if the peer in not receiving the Superior BPDUs sent by this

interface. That is why the peer continues to send its own Inferior BPDUs. Determine why devices connected to the listed ports are not receiving BPDUs. One reason could be a failure in the cable: if the link has a failure that makes it unidirectional (you can not transmit but you can receive) it should be replaced with a proper cable.

Error Message `STP-2-IPC_PROCESSING_ERR: Error in processing IPC message : Opcode = [dec], Error code = [hex]`

Explanation STP encountered an error in processing an MTS message. The error and message are specified in the error message

Recommended Action No action is required.

Error Message `STP-2-L2GW_BACKBONE_BLOCK: L2 Gateway Backbone port inconsistency blocking port [chars] on [chars].`

Explanation A BPDU was received on the listed interface which advertises a superior spanning tree root bridge to that currently in use. The interface is put into blocking state and marked as L2 Gateway Backbone port inconsistent in order to prevent a suboptimal spanning tree topology to form.

Recommended Action Issue the show spanning-tree inconsistentports command to review the list of interfaces with L2 Gateway Backbone port inconsistencies. Determine why devices connected to the listed ports are sending BPDUs with a superior root bridge and take action to prevent further occurances. Once the bogus BPDUs have been stopped, the interfaces will automatically recover and resume normal operation.

Error Message `STP-2-L2GW_BACKBONE_UNBLOCK: L2 Gateway Backbone port inconsistency cleared unblocking port [chars] on [chars].`

Explanation The listed interface is no longer receiving BPDUs advertizing a superior root bridge. The L2 Gateway Backbone port inconsistency is cleared for the interface and then it is taken out of the blocking state if appropriate.

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-2-LOOPGUARD_BLOCK: Loop guard blocking port [chars] on [chars].`

Explanation The spanning tree message age timer has expired because and no BPDUs were received from the designated bridge. Since this condition could be caused by an unidirectional link failure, the interface is put into blocking state and marked as loop guard inconsistent in order to prevent possible loops from being created

Recommended Action Issue the show spanning-tree inconsistentports command to review the list of interfaces with loop guard inconsistencies. Determine why devices connected to the listed ports are not sending BPDUs. One reason could be that they do not run the spanning tree protocol; in this case you should disable loopguard in the inconsistent interface/s or start the spanning tree protocol on the other side of the link/s.depending on the context. Another reason could be a failure in the cable: if the link has a failure that makes it unidirectional (you can transmit but you can not receive) it should be

replaced with a proper cable.

Error Message `STP-2-LOOPGUARD_CONFIG_CHANGE: Loop guard [chars] on port [chars].`

Explanation The spanning tree loopguard configuration for the listed interface has been changed. If enabled, the interface will be put into blocking state and marked as loopguard inconsistent when the message age timer expires because no BPDU were received from the designated bridge. This feature is mainly used to detect unidirectional links

Recommended Action Verify that this is the desired configuration for the listed interface. Correct it if this is not the desired configuration otherwise no further action is required.

Error Message `STP-2-LOOPGUARD_UNBLOCK: Loop guard unblocking port [chars] on [chars].`

Explanation The listed interface has received a BPDU and therefore if the inconsistency was due to an unidirectional link failure, now the problem is not there anymore. The loop guard inconsistency is cleared for the interface which is taken out of the blocking state if appropriate.

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-2-PEER_IN_UPGRADE: Peer is going through Upgrade. Can't bring up NON Edge port 0x[hex] in STP`

Explanation Peer is going through Upgrade. Can't bring up NON Edge port in STP

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-2-PVSTSIM_FAIL: Blocking [chars] port [chars]: Inconsistent [chars] PVST BPDU received on VLAN [dec], claiming root [chars]`

Explanation When a MST switch is connected to a PVST+ switch, the CIST (MST00) information on the port of the MST switch must be consistently better than all the PVST+ messages if the port is designated or consistently worse than all the PVST+ messages if the port is root. If this constraint is not respected, the port on the MST switch is blocked in order to prevent a potential bridging loop

Recommended Action When STP is converging after a new switch, or switch port is added to the topology, this condition may happen transiently. The port unblocks automatically in such cases. If the port remains blocked, identify the root bridge as reported in the message, and configure a worse or better priority for the VLAN spanning tree consistent with the CIST role on the port of the MST switch. There could be more inconsistencies than the message indicates, and the port will not recover until all such inconsistencies are cleared. If you cannot determine which other VLANs have inconsistencies, disable and reenable the port. This message will appear again and specify another VLAN with inconsistencies to be fixed. Repeat this process until all inconsistencies on all VLANs are cleared.

Error Message `STP-2-PVSTSIM_OK: PVST Simulation inconsistency cleared on port [chars].`

Explanation The listed interface is no longer receiving PVST BPDUs advertising an information inconsistent with the CIST port information. The PVST Simulation Inconsistency is cleared and the interface returns to normal operation

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-2-RANDNUM_FAIL: [chars]`

Explanation There was a critical error during random number generation. [chars] indicates details of the error

Recommended Action No action is required.

Error Message `STP-2-RECV_BAD_TLV: Received SSTP BPDU with bad TLV on [chars] [chars].`

Explanation The list interface received a SSTP BPDU that was missing the VLAN id tag. The BPDU is discarded.

Recommended Action No action is required.

Error Message `STP-2-RECV_PVID_ERR: Received BPDU with inconsistent peer vlan id [dec] on [chars] [chars].`

Explanation The listed interface received a SSTP BPDU that is tagged with a VLAN id that does not match the VLAN id on which the BPDU was received. This occurs when the native VLAN is not consistently configured on both ends of a 802.1Q trunk.

Recommended Action Verify that the configuration of the native VLAN id is consistent on the interfaces on each end of the 802.1Q trunk connection. Once corrected, spanning tree will automatically unblock the interfaces as appropriate.

Error Message `STP-2-ROOTGUARD_BLOCK: Root guard blocking port [chars] on [chars].`

Explanation A BPDU was received on the listed interface which advertizes a superior spanning tree root bridge to that currently in use. The interface is put into blocking state and marked as root guard inconsistent in order to prevent a suboptimal spanning tree topology to form.

Recommended Action Issue the show spanning-tree inconsistentports command to review the list of interfaces with root guard inconsistencies. Determine why devices connected to the listed ports are sending BPDUs with a superior root bridge and take action to prevent further occurances. Once the bogus BPDUs have been stopped, the interfaces will automatically recover and resume normal operation. Make sure that it is appropriate to have root guard enabled on the interface.

Error Message `STP-2-ROOTGUARD_CONFIG_CHANGE: Root guard [chars] on port [chars].`

Explanation The spanning tree root guard configuration for the listed interface has been changed. If enabled, any BPDU received on ths interface which advertizes a superior spanning tree root bridge to

that already in use will cause the interface to be put into blocking state and marked as root guard inconsistent.

Recommended Action Verify that this is the desired configuration for the listed interface. Correct it if this is not the desired configuration otherwise no further action is required.

Error Message `STP-2-ROOTGUARD_UNBLOCK: Root guard unblocking port [chars] on [chars].`

Explanation The listed interface is no longer receiving BPDUs advertizing a superior root bridge. The root guard inconsistency is cleared for the interface and then it is taken out of the blocking state if appropriate.

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-2-SET_PORT_STATE_FAIL: Port state change req to PIXM failed, status = 0x[hex] [[chars]] vdc [dec], tree id [dec], num ports [dec], ports [chars] state [chars], opcode [chars], msg id ([dec]), rr_token 0x[hex]`

Explanation The port set port state has failed. check port

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-2-SET_PORT_STATE_TIMEOUT: Port state change req to PIXM timedout after [dec] sec. vdc [dec], tree id [dec], num ports [dec], ports [chars] state [chars], opcode [chars], msg id ([dec]), rr_token 0x[hex]`

Explanation The port set port state has timedout. check port

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-2-STP_INIT: STP initialization of [chars] [chars]`

Explanation STP initialization failed

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `STP-2-STP_ISSU_LC_RESET: STP resetting LC[dec] to prevent Loops during ISSU caused by a topology change in the network. Peer on [chars] [chars] could not be Disputed`

Explanation This can happen as a result of a topology change in the network while the Linecard was undergoing ISSU. Since STP cannot change the port state to blocking on the Linecard undergoing ISSU, it will first try to prevent the Loop by causing a Dispute on the peer ports forcing them into blocking state. But if the peer does not support Dispute mechanism, and STP detects a potential Loop, it will reset the Linecard to prevent the Loop

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-2-STP_MODE_CHANGE_FAIL: STP Mode Change to [chars] failed`

Explanation STP mode change failed

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `STP-2-STP_MODE_CONFIG_FAIL: STP Mode config failed, PVRST mode is not supported when there are more than [dec] user VLANs configured`

Explanation STP mode config failed

Recommended Action Please remove extra VLANs if you need to change to PVRST mode!

Error Message `STP-2-STP_MST_INSTANCE_CONFIG_FAIL: STP MST instance config change failed for [dec]`

Explanation STP MST instance config change failed

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `STP-2-STP_NETWORK_PORT_CONFIGURED: Spanning-tree port type network is configured on [chars] port not supported on vpc ports.`

Explanation Spanning-tree port type network config is not supported on vpc ports.

Recommended Action Verify this interface has followed recomended config guide.

Error Message `STP-2-STP_VPC_PEER_ISSU_DISRUPTIVE: Possible traffic disruption due to ISSU on VPC peer. [chars]`

Explanation This is due to some non VPC ports in Desg FWD state on the device or BA timers enabled. It can be prevented by changing the root for those non vPC port vlans, disabling Bridge Assurance timers on non vPC ports

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-2-UNBLOCK_CONSIST_PORT: Unblocking port [chars] on [chars]. Port consistency restored.`

Explanation The Port VLAN ID and/or Port Type inconsistencies have been resolved and spanning tree will now unblock the listed interface of the listed spanning tree instance as appropriate.

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-2-UNBLOCK_DETECTED_PVST_PEER: Unblocking port [chars] [PVST peer detected].`

Explanation The listed interface has stopped receiving SSTP BPDUs and so will be restored to normal spanning tree state

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-2-VLAN_PORT_LIMIT_EXCEEDED: The number of vlan-port instances exceeded [[chars] mode] recommended limit of [dec]`

Explanation The total number of individual VLAN ports, in the spanning tree mode specified in the error message, has exceeded the limit specified in the error message. VLANs can be counted more than once; if VLAN 1 is carried on 10 interfaces, it will count as 10 VLAN ports. Note that bundling is ignored for purposes of this count; if 8 interfaces on the same module are in one bundle, and the port channel is carrying VLAN 1, it will count as 1 VLAN ports.

Recommended Action Reduce the number of trunks and VLANs configured in the switch. Keep the VLAN port count below the recommended limit specified in the configuration documentation. Enter the show interface trunk command to see the total number of trunks and VLANs.

Error Message `STP-2-VPC_HITLESS_FAILURE: VPC Hitless Role Change Failure. Reason: [chars].`

Explanation VPC Hitless Role Change has failed.

Recommended Action Flap of VPC Peer-link.

Error Message `STP-2-VPC_PEERSWITCH_CONFIG_DISABLED: vPC peer-switch configuration is disabled. Please make sure to change spanning tree "bridge" priority as per the recommended guidelines.`

Explanation The vPC peer-switch configuration has been changed. If enabled, please make sure to configure spanning tree \bridge\ priority as per the recommended guidelines. If disabled, please make sure to change spanning tree bridge priority as per the recommended guidelines.

Recommended Action Verify that this is the desired configuration and follow the vPC peer-switch recommended guidelines.

Error Message `STP-2-VPC_PEERSWITCH_CONFIG_ENABLED: vPC peer-switch configuration is enabled. Please make sure to configure spanning tree "bridge" priority as per recommended guidelines to make vPC peer-switch operational.`

Explanation The vPC peer-switch configuration has been changed. If enabled, please make sure to configure spanning tree \bridge\ priority as per the recommended guidelines. If disabled, please make sure to change spanning tree bridge priority as per the recommended guidelines.

Recommended Action Verify that this is the desired configuration and follow the vPC peer-switch recommended guidelines.

Error Message `STP-2-VPC_PEER_LINK_INCONSIST_BLOCK: vPC peer-link detected [chars] blocking [chars] [chars].`

Explanation VPC Peer-link detected the STP inconsistency mentioned in the message. This will impact the STP topology for vPCs and can cause frame duplications. As a result, the interface was moved to the spanning tree Blocking state

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-2-VPC_PEER_LINK_INCONSIST_ERRDISABLE: vPC Peer-link detected [chars]. Disabling [chars].`

Explanation VPC Peer-link detected the STP inconsistency mentioned in the message. This will impact the STP topology for vPCs and can cause frame duplications. As a result, the vPC Peer-link was administatively shut down.

Recommended Action Please resolve the inconsistency reported in this message on the vPC Peer link. After the conflict has been resolved, re-enable the interface by entering the no shutdown command in interface configuration mode.

Error Message `STP-2-VPC_PEER_LINK_INCONSIST_UNBLOCK: vPC peer-link inconsistency cleared unblocking [chars] [chars].`

Explanation VPC Peer-link inconsistency is cleared and the vPC interface listed in the message has been restored to normal spanning tree state.

Recommended Action LOG_STD_NO_ACTION

STP-3

Error Message `STP-3-BLOCK_PORT_TYPE: Blocking [chars] on [chars]. Inconsistent port type.`

Explanation The listed interface is being held in spanning tree blocking state until the port type inconsistency is resolved.

Recommended Action Verify that the configuration and operational state of the listed interface and that of the interface to which it is connected have the same mode (access vs trunk). If mode is trunk, verify the same encapsulation (ISL, 802.1Q). Once these parameters are consistent, spanning tree will automatically unblock the interfaces as appropriate.

Error Message `STP-3-PORT_SELF_LOOPED: Received BPDU src mac same as that of port. Port self loopback detected. Port [chars] being disabled`

Explanation The source MAC address contained in a BPDU received on the listed interface matches the MAC address assigned to that interface This indicates the possibility that a port is looped back to itself, possibly due to a diagnostic cable being plugged in. The interface will be administratively

shutdown.

Recommended Action Check the interface configuration and any cable plugged into the interface. Once problem resolved, re-enable interface by doing a no shutdown in the interface configuration. Copy the error message as it is printed and also copy the output of a show interface for the interace listed in the error message.

Error Message `STP-3-RECV_1Q_NON_TRUNK: Received 802.1Q BPDU on non trunk [chars] [chars].`

Explanation A SSTP BPDU was received on the listed interface that was not operationally a trunk.

Recommended Action Verify that the configuration and operational state of the listed interface and that of the interface to which it is connected have the same mode (access vs trunk). If mode is trunk, verify the same encapsulation (none, ISL, 802.1Q). Once these parameters are consistent, spanning tree will automatically unblock the interfaces as appropriate.

STP-4

Error Message `STP-4-FORWARDTIME_CONFIG_CHANGE: Forward Delay time change to [dec] seconds for instance [chars] is not recommended as it can cause STP data loops during High Availability Dual-Supervisor Switchover and In-Service Software Upgrade`

Explanation It is stongly recommended to avoid changing forward delay time value to less than the default value of 15 seconds since it can cause STP data loops during High Availability Dual-Supervisor Switchover and also during In-Service Software Upgrade. Please read the release notes.

Recommended Action Please change the forward delay time to be greater than or equal to the default value of 15 seconds

Error Message `STP-4-HELLOTIME_CONFIG_CHANGE: Hello time change to [dec] seconds for instance [chars] is not recommended as it can trigger STP Topology Changes during High Availability Dual-Supervisor Switchover and In-Service Software Upgrade`

Explanation It is stongly recommended to avoid changing Hello time value to less than the default value of 2 seconds since it can trigger STP Topology change during High Availability Dual-Supervisor Switchover and also during In-Service Software Upgrade. Please read the release notes.

Recommended Action Please change the hello time to be greater than or equal to the default value of 2 seconds.

Error Message `STP-4-MAC_ADDR_FLUSH_REQ_TIMEOUT: MAC Address Flush req to L2FM timedout after [dec] sec. vdc [dec], tree id [dec], num ports [dec], ports [chars], opcode [chars], msg id ([dec]), rr_token 0x[hex]`

Explanation The MAC Address Flush Request to L2FM has timedout. check port

Recommended Action LOG_STD_NO_ACTION

STP-6

Error Message `STP-6-FIRST_BPDU_TX: First BPDU transmitted`

Explanation First BPDU transmitted.

Recommended Action No action is required.

Error Message `STP-6-MST_DIGEST: MST digest changed to [chars], pre-std digest changed to [chars]`

Explanation MST Region configuration has changed

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-6-MST_PORT_BOUNDARY: Port [chars] [chars] as MST Boundary port`

Explanation MST Boundary port status of the specified port is changed

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-6-MST_PORT_PRE_STANDARD: Port [chars] [chars] as MST Pre-standard port.`

Explanation MST pre-standard status of the specified port is changed

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-6-PORT_ADDED: Interface [chars], added to [chars] with role [chars], state [chars], cost [dec], priority [dec], link-type [chars]`

Explanation This spanning tree port has been added

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-6-PORT_COST: Port [chars] instance [chars] cost changed to [dec]`

Explanation The spanning tree port cost has changed for the specified port

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-6-PORT_DELETED: Interface [chars], removed from [chars]`

Explanation This spanning tree port has been deleted

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-6-PORT_LINK_TYPE: Port [chars] instance [chars] link changed to [chars]`

Explanation The spanning tree port link type has changed for the specified port

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-6-PORT_PRIORITY: Port [chars] instance [chars] priority changed to [dec]`

Explanation The spanning tree port priority has changed for the specified port

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-6-PORT_RANGE_ADDED: Interface [chars] added to [chars] with cost [dec], priority [dec], link-type [chars]`

Explanation This spanning tree port has been added

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-6-PORT_RANGE_DELETED: Interface [chars] removed from [chars]`

Explanation This range spanning tree logical ports has been deleted

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-6-PORT_RANGE_ROLE: new_role=[chars] interface=[chars] [chars]`

Explanation The role of the range of spanning tree logical ports has changed

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-6-PORT_RANGE_STATE: new_state=[chars] interface=[chars] [chars]`

Explanation The range of Spanning-Tree logical ports have changed state.

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-6-PORT_ROLE: Port [chars] instance [chars] role changed to [chars]`

Explanation The spanning tree port role has changed for the specified port

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-6-PORT_STATE: Port [chars] instance [chars] moving from [chars] to [chars]`

Explanation The Spanning-Tree port has changed state.

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-6-PRESTD_NEIGH: This switch has received a pre-standard MST BPDU on port [chars]: Invoking pre-standard MST BPDU transmission on this port.`

Explanation The switch has received a pre-standard MST BPDU on a port. The switch will automatically adjust its mode of operation on this port and will start sending pre-standard BPDUs.

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-6-ROOT: Root bridge for [chars] changed to [chars]`

Explanation The spanning tree root bridge has changed

Recommended Action LOG_STD_NO_ACTION

Error Message `STP-6-SERVICE_UP: Initialized [chars]`

Explanation STP line 2.

Recommended Action No action is required.

Error Message `STP-6-STATE_CREATED: Internal state created [chars]`

Explanation STP has created its internal state stateless/stateful [chars].

Recommended Action No action is required.

SYSMGR Messages

This section contains the SYSMGR messages.

SYSMGR-0

Error Message `SYSMGR-0-ACTIVE_SUP_LESS_MEMORY: Active Sup and Standby Sup are different model. Replace Sup in slot [dec] with same memory config for continued redundancy post switchover`

Explanation Supervisor memory mismatch

Recommended Action No action is required.

Error Message `SYSMGR-0-STANDBY_SUP_LESS_MEMORY: Active Sup and Standby Sup are different model. Replace Sup in slot [dec] with same memory config for continued redundancy post switchover`

Explanation Supervisor memory mismatch

Recommended Action No action is required.

SYSMGR-2

Error Message `SYSMGR-2-ACTIVE_LOWER_MEM_THAN_STANDBY: Active supervisor in slot [dec] is running with less memory than standby supervisor in slot [dec].`

Explanation Supervisor memory mismatch

Recommended Action No action is required.

Error Message `SYSMGR-2-BOOTSCOPE_HANDSHAKE: Service "[chars]" is in the boot scope, but tried a regular handshake. Discarding request.`

Explanation A service is trying to take actions that belong to a different class of services.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-CFGCTRL_SBY_SAVE_FAILED: The cfgctrl process has failed to save the config on the standby supervisor. reason: [chars]`

Explanation Configuration control has failed to save the configuration on the standy supervisor.

Recommended Action Please see the reason string

Error Message `SYSMGR-2-CFGERASE_ABORTED: Write erase aborted.`

Explanation Write erase has failed.

Recommended Action Please verify the other syslog messages printed correct the problem, and try again.

Error Message `SYSMGR-2-CFGSNAPSHOT_ABORTED_DIR: Unable to open the configuration directory. Aborting configuration snapshot.`

Explanation The destination location for the snapshot-config could not be found.

Recommended Action If the problem persists, please use the vshboot command 'init system' to initialize the configuration partition.

Error Message `SYSMGR-2-CFGSNAPSHOT_ABORTED_INIT: Unable to initialize the configuration directory (error-id 0x[hex]). Aborting configuration snapshot.`

Explanation An attempt to copy the startup-config to snapshot-config has failed because the old data could not be removed.

Recommended Action If the problem persists, please use the vshboot command 'init system' to initialize the configuration partition.

Error Message `SYSMGR-2-CFGSNAPSHOT_ABORTED: Configuration snapshot aborted.`

Explanation An attempt to save a snapshot of the startup-config has failed.

Recommended Action Please verify the other syslog messages printed correct the problem, and try again.

Error Message `SYSMGR-2-CFGSYNC_FAILURE: Syncing of the configuration to the standby failed.`

Explanation Syncing of the configuration to the standby failed.

Recommended Action Please verify the other syslog messages printed correct the problem, and try again.

Error Message `SYSMGR-2-CFGWRITE_ABORTED_CONFELEMENT_RETRIES: Copy R S failed as config-failure retries are ongoing. Type "show nxapi retries" for checking the ongoing retries.`

Explanation Copy R S failed as config-failure retries are ongoing.

Recommended Action Please verify the syslog messages printed correct the problem, and try again.

Error Message `SYSMGR-2-CFGWRITE_ABORTED_DIR: Unable to open the configuration directory. Aborting configuration copy.`

Explanation The destination location for the startup-config could not be found.

Recommended Action If the problem persists, please use the vshboot command 'init system' to initialize the configuration partition.

Error Message `SYSMGR-2-CFGWRITE_ABORTED_INIT: Unable to initialize the configuration directory (error-id 0x[hex]). Aborting configuration copy.`

Explanation An attempt to copy the running-config to startup-config has failed because the old data could not be removed.

Recommended Action If the problem persists, please use the vshboot command 'init system' to initialize the configuration partition.

Error Message `SYSMGR-2-CFGWRITE_ABORTED_LABEL: Unable to label the new configuration (error-id 0x[hex]). Aborting configuration copy.`

Explanation An attempt to copy the running-config to startup-config has failed because the new startup-config could not be stamped.

Recommended Action If the problem persists, please use the vshboot command 'init system' to initialize the configuration partition.

Error Message `SYSMGR-2-CFGWRITE_ABORTED_LOCK: Unable to lock the configuration (error-id 0x[hex]). Aborting configuration copy.`

Explanation An attempt to copy the running-config to startup-config has failed because the system could not lock the required configuration items.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-CFGWRITE_ABORTED_LOG: Unable to open a log file for the new configuration: [chars] (error-id 0x[hex]). Aborting configuration copy.`

Explanation An attempt to copy the running-config to startup-config has failed because a log file could not be created.

Recommended Action If the problem persists, please use the vshboot command 'init system' to initialize the configuration partition.

Error Message `SYSMGR-2-CFGWRITE_ABORTED: Configuration copy aborted.`

Explanation A configuration copy has failed.

Recommended Action Please verify the other syslog messages printed correct the problem, and try again.

Error Message `SYSMGR-2-CFGWRITE_FAILED_SERVICES: Configuration timeout due to failed services: [chars]`

Explanation A configuration copy has failed due to failed services.

Recommended Action Please verify the other syslog messages printed correct the problem, and try again.

Error Message `SYSMGR-2-CFGWRITE_TIMEOUT_ABORT: Configuration copy aborted by timeout.`

Explanation A service failed to store its configuration in the timeout period. The operation has been aborted.

Recommended Action No action is required.

Error Message `SYSMGR-2-CFGWRITE_TIMEOUT_BRIEF: Configuration copy r s failed due to timeout : [chars]`

Explanation A configuration copy has failed due to timeout.

Recommended Action Please verify the other syslog messages printed correct the problem, and try again.

Error Message `SYSMGR-2-CFGWRITE_USER_ABORT: Configuration copy aborted by the user.`

Explanation The user typed CTRL+C while the configuration was being saved, and the operation has been aborted.

Recommended Action No action is required.

Error Message `SYSMGR-2-CONVERT_FUNC_FAILED: Conversion function failed for service "[chars]" (error-id 0x[hex]).`

Explanation This message indicates that the conversion function failed for this service.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-CONVERT_FUNC_NOTFOUND: Conversion function not found for service "[chars]".`

Explanation This message indicates that the system could not find appropriate conversion function for this service.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-CONVERT_LIB_NOTFOUND: Conversion library not found for service "[chars]".`

Explanation This message indicates that the system could not find conversion library for this service.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message SYSMGR-2-CONVERT_STARTUP_ABORTED: Conversion of startup-config failed.

Explanation This message indicates that the conversion of startup configuration was aborted.

Recommended Action If the problem persists, please use the vshboot command 'init system' to initialize the configuration partition.

Error Message SYSMGR-2-CONVERT_ZIPPING_FAILED: Failed to zip the converted startup configuration.

Explanation This message indicates that conversion of the startup configuration failed when system was trying to zip the converted configuration.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message SYSMGR-2-CORE_SAVE_FAILED: [chars]: PID [dec] with message [chars].

Explanation A core file could not be saved.

Recommended Action No action is required.

Error Message SYSMGR-2-CREATE_DONEFILE_FAILED: Creating /var/run/sysmgr.initdone failed with return value: ([dec]).

Explanation The initialization of the system could not complete.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message SYSMGR-2-DELETE_BINARY_STARTUP_FAILED: Deletion of binary startup config failed during boot (error-id 0x[hex]).

Explanation This message indicates that the deletion of the binary startup configuration failed during boot.

Recommended Action If the problem persists, please use the vshboot command 'init system' to initialize the configuration partition.

Error Message SYSMGR-2-FEATURE_SET_NOT_DISABLED_SRVS: vdc [dec]: feature-set 0x[hex]: Following services did not cleanup: [chars]

Explanation

Recommended Action No action is required.

Error Message `SYSMGR-2-FEATURE_SET_SRVTIMEOUT: vdc [dec]: feature-set 0x[hex] [chars]: Following services did not respond in time: [chars]`

Explanation The services did not handshake with sysmgr in time

Recommended Action No action is required.

Error Message `SYSMGR-2-FEATURE_SET_UNGRACEFUL_DISABLE_FAILED_SRVS: vdc [dec]: feature-set 0x[hex]: Following services did not exit even after SIGKILL: [chars]`

Explanation

Recommended Action No action is required.

Error Message `SYSMGR-2-FORMAT_FAILURE_SUP_RESET: Failure to format a partition successfully causing sup to reset.`

Explanation The partition used to store non-volatile pss files could not be formatted successfully. The supervisor will be reset.

Recommended Action If the problem persists, please contact customer support.

Error Message `SYSMGR-2-GSYNC_ABORT: Global sync aborted by signal.`

Explanation The initial synchronization of the services has been aborted. The synchronization will be attempted again later.

Recommended Action Use the command 'reload module ' to reset the standby supervisor if you want to try again.

Error Message `SYSMGR-2-GSYNC_GET_TIMEOUT: Request for global sync for UUID 0x[hex] not completed in specified time.`

Explanation Service failed to complete global sync in specified time. The standby will no longer act as a HA standby.

Recommended Action If the problem persists, please contact customer support.

Error Message `SYSMGR-2-GSYNC_READY_SRVFAILED: Service "[chars]" on standby supervisor failed to restore its snapshot (error-id 0x[hex]).`

Explanation The initial synchronization of service [chars] has failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-GSYNC_SNAPSHOT_SRVFAILED: Service "[chars]" on active supervisor failed to store its snapshot (error-id 0x[hex]).`

Explanation The initial synchronization of service [chars] has failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-HANDSHAKE_FAILED: Handshake with service "[chars]" in vdc [dec] failed since send failed: [chars] (error-id 0x[hex]).`

Explanation Handshake with a service failed since system manager could not send handshake response to it.

Recommended Action No action is required.

Error Message `SYSMGR-2-HAP_FAILURE_SUP_RESET: Service "[chars]" in vdc [dec] has had a hap failure`

Explanation One of the services failed HA policy. This module would reset if hap-reset is enabled. Service will not restart if module is not reset

Recommended Action No action is required.

Error Message `SYSMGR-2-HASWITCHOVER_PRE_START: This supervisor is becoming active (pre-start phase).`

Explanation A cold switchover has started (pre-start phase).

Recommended Action When the other supervisor is back online, use the command 'show system reset-reason' to know what caused the switchover.

Error Message `SYSMGR-2-HASWITCHOVER_START: Supervisor [dec] is becoming active.`

Explanation A cold switchover has started.

Recommended Action When the other supervisor is back online, use the command 'show system reset-reason' to know what caused the switchover.

Error Message `SYSMGR-2-HEARTBEAT_FAILED: Sysmgr heartbeat failed at [dec]. [chars]. [chars] ([dec])`

Explanation System manager had failure while trying to heartbeat with KLM

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-INBAND_START_FAILED: Failure while bringing up inband after ISSU reboot, errno: [dec].`

Explanation Sysmgr tried to bring up inband after ISSU reboot, but the call returned error.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-INVALID_HANDSHAKE: Invalid secret ([dec]) received from service "[chars]". Expected [dec].`

Explanation A service can't be started.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-INVALID_SYSMGRCONF: [chars]: invalid configuration file "[chars]": [chars] (error-id 0x[hex]).`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-INVALID_VERSIONMSG: The remote System Manager ([chars]) declares itself in the same state as this System Manager ([chars]).`

Explanation The redundancy state negotiation between the two supervisors failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-ISSU_FAILED: The ISSU has failed: [chars] (error-id 0x[hex])`

Explanation The ISSU has failed and the switch need to be rebooted.

Recommended Action No action is required.

Error Message `SYSMGR-2-LAST_CORE_BASIC_TRACE: [chars]: PID [dec] with message [chars].`

Explanation

Recommended Action No action is required.

Error Message `SYSMGR-2-MSG_SEND_FAILURE_STANDBY_RESET: Failure in sending message to standby`

causing standby to reset.

Explanation We will be resetting the standby since mts on the active is unable to send a message to standby.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message SYSMGR-2-MTS_FLUSH_SYNC_QUEUE_FAILURE: flush mts sync queue failed with [chars] (errno [dec])

Explanation Calling mts_flush_sync_queue to guarante no outstanding messages. the failure might affect HA

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message SYSMGR-2-NON_VOLATILE_DB_FULL: System non-volatile storage usage is unexpectedly high at [dec]%.

Explanation System non-volatile storage space is almost full.

Recommended Action Please run the command 'clear processes log pid ' to delete log file for specific instance that show up via the command 'show processes log all'. To clear out all log files, use the command 'clear processes log all'

Error Message SYSMGR-2-NON_VOLATILE_DB_INODE_FULL: System non-volatile inode storage usage is unexpectedly high at [dec]%.

Explanation System non-volatile inode storage space is almost full.

Recommended Action Please run the command 'clear processes log pid ' to delete log file for specific instance that show up via the command 'show processes log all'. To clear out all log files, use the command 'clear processes log all'

Error Message SYSMGR-2-ONBOARD_FAILURE_LOGGING_FULL: Onboard failure logging usage is unexpectedly high at [dec]%.

Explanation Onboard failure logging space is almost full.

Recommended Action Please run the command 'clear logging onboard'. If this message continues to persist, please contact TAC.

Error Message SYSMGR-2-PARSEERR_DEPENDCYCLE: Dependency cycle found among [chars].

Explanation The system image contains an inconsistent list of services. The initialization of the

system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_DUPLICATEDCONFIG: [chars]: duplicated definition for service config. Previous definition in [chars].`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_DUPLICATEDDEPEND: [chars]: duplicated dependency from "[chars]" for service "[chars]". Previous use in [chars].`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_DUPLICATEDNAME: [chars]: short name "[chars]" used by service "[chars]" is also used by service "[chars]" in [chars].`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_DUPLICATEDOPTION: [chars]: duplicated definition for option [chars]->[chars] (service "[chars]"). Previous definition in [chars].`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_DUPLICATEDSERVICE: [chars]: duplicated definition for service "[chars]". Previous definition in [chars].`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_DUPLICATEDVERDB: [chars]: duplicated definition for service version_db. Previous definition in [chars].`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_DUP_UGRPENTRY: [chars]: service "[chars]" duplicated in the current upgrade group. Previous use in [chars].`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_FT_SET_ID_PARSEERR: [chars]: ft_set_id ([dec]) out of bound for "[chars]".`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_INCONSISTENTOPT: [chars]: option "[chars]=[chars]" not consistent with "[chars]=[chars]" for service "[chars]"`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_INVALIDCOMPCONDDEPEND: [chars] (in dependency list of compulsory conditional service "[chars]"): optional conditional service "[chars]" not allowed.`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message SYSMGR-2-PARSEERR_INVALIDCONDDEPEND: [chars] (in dependency list of ASAP service "[chars]"): conditional service "[chars]" not allowed.

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message SYSMGR-2-PARSEERR_INVALIDDEPEND: [chars] (in dependency list of service "[chars]"): service "[chars]" not defined for scope "[chars]".

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message SYSMGR-2-PARSEERR_INVALIDEXEC: [chars]: invalid executable "[chars]" for service "[chars]": [chars] ([dec]).

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message SYSMGR-2-PARSEERR_INVALIDHANDSHAKEDEPEND: [chars] (in handshake dependency list of service "[chars]"): service "[chars]" is MTS unaware or not defined for scope "[chars]".

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message SYSMGR-2-PARSEERR_INVALIDIDENT: [chars]: [chars] "[chars]" not found for service "[chars]".

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message SYSMGR-2-PARSEERR_INVALIDOPTION: [chars]: option [chars]->[chars] cannot be set to "[chars]".

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_INVALIDSTDBYDEPEND: [chars]: service "[chars]" cannot be dependent on service "[chars]" due to the standby mode wait for that service.`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_INVALIDVDCDEPEND: [chars] (in dependency list of service "[chars]"): service "[chars]" is a [chars] service.`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_INVALID_CLEANUP_ARGUMENTS: [chars]: cleanup_arguments = "[chars]": only conditional services that are scripts can specify cleanup arguments`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_INVALID_COND_SRV_MODE: [chars]: service "[chars]" not defined for scope "control" or not mts aware.`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_INVALID_DIR: [chars]: "[chars]" is not a valid [chars]: [chars] ([dec]).`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_INVALID_GLOBAL_SYNC: [chars]: mts unaware service may not request for a global sync.`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_INVALID_HB: [chars]: "[dec]" is not a valid heartbeat timeout.`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_INVALID_MAX_INSTANCE: [chars]: [dec] is not a valid max_instance.`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_INVALID_SHELLTREE: [chars]: invalid shell parser tree "[chars]" for service "[chars]": [chars] ([dec]).`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_INVALID_STANDBY_MODE_GLOBAL_SYNC: [chars]: service with standby mode wait cannot request for a global sync.`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message SYSMGR-2-PARSEERR_INVALID_STANDBY_MODE: [chars]: standby_mode should be run.

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message SYSMGR-2-PARSEERR_INVALID_STARTUP_MODE_DEPENDENCY: [chars]: Invalid dependency. Service "[chars]"'s startup mode ('[chars]') does not match dependent service "[chars]"'s startup mode ('[chars]').

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action No action is required.

Error Message SYSMGR-2-PARSEERR_INVALID_TRANSL: [chars]: invalid translator "[chars]" for service "[chars]": [chars] ([dec]).

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message SYSMGR-2-PARSEERR_INVALID_UGRPENTRY: [chars]: service "[chars]" is not defined.

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message SYSMGR-2-PARSEERR_MISSINGOPTION: [chars]: option [chars]->[chars] missing from service definition for service "[chars]".

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message SYSMGR-2-PARSEERR_MTSUNAWARE_HANDSHAKEDEPEND: [chars]: service "[chars]" is MTS unaware and cannot have handshake dependencies.

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_NORESTART: [chars]: option [chars]->[chars] cannot be set without setting option [chars]->[chars].`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_NOTCONFIG: [chars]: [chars] implemented only for service config.`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_REPARSE_CANNOT_ADD_SRV: Service "[chars]" cannot be added`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_REPARSE_CANNOT_DELETE_SRV: Service "[chars]" cannot be removed`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_REPARSE_CANNOT_MODIFY_PARAM: Cannot modify parameter [chars] for the service "[chars]", old value = [chars], new value = [chars]`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for

support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_REPARSE_CANNOT_MODIFY_SRV: Configuration for service "[chars]" cannot be modified, param modified = [chars], old_value = [chars], new_value = [chars]`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_REP_UGRPENTRY: [chars]: service "[chars]" is used in more than one upgrade group. First use in [chars].`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_TOOMANYDEPENDS_MULTIPLE_INST: [chars]: too many multiple instance dependencies ([dec]) for service "[chars]".`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_TOOMANYDEPENDS: [chars]: too many dependencies ([dec]) for service "[chars]".`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_UGRPDUPLICATEDNAME: [chars]: upgrade group name "[chars]" already used in [chars].`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARSEERR_UGRPNAMEREDEFINED: [chars]: the upgrade group is already called "[chars]".`

Explanation The system image contains an inconsistent list of services. The initialization of the system can't proceed further.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PARTIAL_CFGWRITE_ABORTED: Partial configuration copy aborted.`

Explanation A partial configuration copy has failed.

Recommended Action Please verify the other syslog messages printed correct the problem, and try again. If problem persists, please run the command 'copy running-config startup-config' and try again.

Error Message `SYSMGR-2-PATCH_REPO_STORE_FAILED: Not enough space to store patch repo in standby bootflash`

Explanation Failed to store patch repo in standby bootflash

Recommended Action Please free up few 100s mb in standby bootflash to store patch repo OIR bootflash and insert bootflash with needed space and then reload standby from active

Error Message `SYSMGR-2-PATCH_REPO_STORE_SYNC_FAILED: Feature RPMs out of sync, reloading standby`

Explanation Failed to sync rpm repo during HA

Recommended Action Feature Rpm causing rpmstore inconsistency Cleanup .rpmstore from active if standby continously reloads

Error Message `SYSMGR-2-PLUGIN_BOOTUP_FAILURE: The bootup of the supervisor has failed due to plugin load: [chars] (error-id 0x[hex])`

Explanation The bootup of the supervisor has failed due to plugin load.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PSS2FILE_CONVERT_FAILED: Conversion of file [chars] failed.`

Explanation Conversion of internal data format failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-PSS2_VOLATILE_DB_FULL: Volatile database usage in kernel is unexpectedly high at [dec]%.`

Explanation System volatile database in kernel space is almost full.

Recommended Action Please run the command 'system system internal pss kernel memstats'. If this message continues to persist, please contact TAC.

Error Message `SYSMGR-2-RECEIVED_SIGTERM: received SIGTERM from pid ([dec]).`

Explanation Pid sending SIGTERM to sysmgr

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-REDSTATE_GETFAILED: Failed to request redundancy state: [chars] (error-id 0x[hex]).`

Explanation The local supervisor is unable to get the redundancy state.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-REDSTATE_SETFAILED: Failed to set redundancy state: ret_val ([dec]).`

Explanation The local supervisor is unable to get the redundancy state.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-REDUNDANCY_CHANNEL_FAILURE: Remote sup will be rebooted since its coming up as active when local sup is still active.`

Explanation Remote sup is becoming active although local sup is still active. As a result, local sup will cause the remote sup to reset itself.

Recommended Action If the problem persists, please contact customer support.

Error Message `SYSMGR-2-REDUNDANCY_HEARTBEAT_FAILURE: Heartbeat between active and standby on the redundancy channel not working for last [dec] minutes.`

Explanation This supervisor is not receiving heartbeat on the redundancy channel from the other supervisor. This can result in problems during switchover and switchover may even fail.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-REMOTE_VER_FAIL: Remote version extraction failed.`

Explanation Remote version extraction failed. Standby may not be in ha standby state.

Recommended Action Reload Standby with image in bootflash.

Error Message `SYSMGR-2-RESTART_SYSTEM_LOG: We will be restarting system soon for vdc [dec].`

Explanation We will be restarting system since we were trying to do a hot switchover before all the state could have been transferred to this supervisor. So we will be doing a cold switchover now.

Recommended Action No action is required.

Error Message `SYSMGR-2-RESTORE_RUNTIME_DB_FAILED: Restoring of runtime database for fabric switch upgrade failed during boot (error-id 0x[hex]).`

Explanation This message indicates that the runtime database could not be restored during boot for the fabric switch upgrade.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-SAVE_RUNTIME_DB_FAILED: Saving of runtime database for fabric switch upgrade failed (error-id 0x[hex]).`

Explanation This message indicates that the runtime database could not be saved for the fabric switch upgrade.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-SBY_RELOAD_CFGCTRL: The cfgctrl process on sby has failed [dec] times, reloading sby sup to recover`

Explanation Configuration control has failed multipe times, the standby supervisor will be automatically reloaded so that it can be recovered.

Recommended Action No action is required.

Error Message `SYSMGR-2-SERVICE_CRASHED: Service "[chars]" (PID [dec]) hasn't caught signal [dec][chars]`

Explanation A service has terminated its execution abnormally. The service might be restarted, depending on the HA policies implemented for the service.

Recommended Action Please use the command 'show process' to verify that the service has been

restarted.

Error Message `SYSMGR-2-SHUTDOWN_FAILURE: Unable to set signal handler for graceful shutdown: [chars] (error-id 0x[hex]).`

Explanation This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

Recommended Action No action is required.

Error Message `SYSMGR-2-SHUTDOWN_REJECT: The System Manager is busy saving the configuration. Please try again later.`

Explanation This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

Recommended Action No action is required.

Error Message `SYSMGR-2-SHUTDOWN_SYSTEM_LOG: vdc [dec] will shut down soon.`

Explanation We are shutting down system the vdc

Recommended Action No action is required.

Error Message `SYSMGR-2-SIGKILL_FAILURE: Service "[chars]" failure to respond to SIGKILL causing supervisor to reset. Last heartbeat [dec] secs ago.`

Explanation We will be resetting the supervisor since service failed to respond to SIGKILL sent to it by System Manager.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-SOCKET_ERROR: Failed to open socket connection, errno: [dec].`

Explanation Call to open socket connection failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-SRV_CLEAR_MEMORY_ALERT: service "[chars]" clear memory alert ([dec]%)`

Explanation Clean Memory Alert Event received

Recommended Action No action is required.

Error Message `SYSMGR-2-SRV_MAJOR_MEMORY_ALERT: service "[chars]" major memory alert ([dec]%)`

Explanation Major Memory Alert Event received

Recommended Action No action is required.

Error Message `SYSMGR-2-SRV_MINOR_MEMORY_ALERT: service "[chars]" minor memory alert ([dec]%)`

Explanation Minor Memory Alert Event received

Recommended Action No action is required.

Error Message `SYSMGR-2-SRV_SPAWN_FAILED: Spawning of service "[chars]" in vdc [dec] failed : [chars] (error-id 0x[hex]).`

Explanation Failed to spawn a service

Recommended Action No action is required.

Error Message `SYSMGR-2-STANDBY_BOOT_FAILED: Standby supervisor failed to boot up.`

Explanation This message is printed if the standby supervisor doesn't complete its boot procedure (i.e. it doesn't reach the login prompt on the local console) 3 to 6 minutes after the loader has been loaded by the BIOS. This message is usually caused by boot variables not properly set for the standby supervisor. This message can also be caused by a user intentionally interrupting the boot procedure at the loader prompt (by means of pressing ESC).

Recommended Action Connect to the local console of the standby supervisor. If the supervisor is at the loader prompt, try to use the 'boot' command to continue the boot procedure. Otherwise, issue a 'reload' command for the standby supervisor from a vsh session on the active supervisor, specifying the 'force-dnld' option. Once the standby is online, fix the problem by setting the boot variables appropriately.

Error Message `SYSMGR-2-STARTUP_CONVERSION_FAILED: Startup config conversion failed during boot (error-id 0x[hex]).`

Explanation This message indicates that the conversion of startup configuration failed during boot.

Recommended Action If the problem persists, please use the vshboot command 'init system' to initialize the configuration partition.

Error Message `SYSMGR-2-START_SCRIPT_FAILED: Start script (/isan/etc/rc.sysmgr start) failed with return value: ([dec]).`

Explanation The initialization of the system could not complete.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-SUBPROC_SPAWN_FAILED: Spawning of sub-process "[chars]" in vdc [dec] failed : [chars] (error-id 0x[hex]).`

Explanation Failed to spawn a sub-process

Recommended Action No action is required.

Error Message `SYSMGR-2-SUP_POWERDOWN: Supervisor in slot [dec] is running with less memory than active supervisor in slot [dec]`

Explanation Supervisor memory mismatch

Recommended Action No action is required.

Error Message `SYSMGR-2-SWITCHOVER_OVER: Switchover completed.`

Explanation The switchover is completed.

Recommended Action No action is required.

Error Message `SYSMGR-2-SWITCHOVER_SRVCRASHED: Service "[chars]" (PID [dec]) crashed during switchover - hasn't caught signal [dec] . Core will not be collected.`

Explanation The switchover failed because a service crashed during switchover.

Recommended Action No action is required.

Error Message `SYSMGR-2-SWITCHOVER_SRVFAILED: Service "[chars]" failed in performing its switchover actions (error-id 0x[hex]).`

Explanation The switchover failed because a service could not transition to the active state.

Recommended Action No action is required.

Error Message `SYSMGR-2-SWITCHOVER_SRVTERMINATED: Service "[chars]" (PID [dec]) terminated during switchover with error code [dec] .`

Explanation The switchover failed because a service terminated during switchover.

Recommended Action No action is required.

Error Message `SYSMGR-2-SWITCHOVER_THRESHOLD_EXCEEDED: Switchover threshold exceeded ([dec] switchovers happened within [dec] seconds). Powering down all linecards.`

Explanation Switchover threshold exceeded

Recommended Action No action is required.

Error Message `SYSMGR-2-SWITCHOVER_TIMEOUT: Service "[chars]" (vdc [dec]) did not respond to switchover message in [dec] seconds`

Explanation The switchover timeout because a service failed to response

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-SYNC_FAILURE_MSG_PAYLOAD: vdc [dec]: [chars]`

Explanation Dump out the msg to know what causes sync failure

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-SYNC_FAILURE_STANDBY_RESET: Failure in syncing messages to standby for vdc [dec] causing standby to reset.`

Explanation We will be resetting the standby since mts on the active is unable to sync messages to standby.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-SYSMGR_AUTOCOLLECT_TECH_SUPPORT_LOG: This supervisor will temporarily remain online in order to collect show tech-support. This behavior is configurable via 'system [no] auto-collect tech-support'. Collected information in /bootflash/hap_reset_show_tech.gz.`

Explanation Supervisor is automatically collecting logs

Recommended Action No action is required.

Error Message `SYSMGR-2-SYSMGR_MALLOC_FAIL: [chars]: malloc ([dec] bytes) for [chars] failed [chars]([dec])`

Explanation Malloc failed

Recommended Action No action is required.

Error Message `SYSMGR-2-TMP_DIR_FULL: System temporary directory usage is unexpectedly high at [dec]%.`

Explanation System /tmp space is almost full.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-TMP_DIR_RETURN_TO_NORMAL: System temporary directory usage returned to normal at [dec]%.`

Explanation System /tmp space has returned to normal usage.

Recommended Action No action is required.

Error Message `SYSMGR-2-VDC_CREATE_DELETE_SRVCRASHED: Global vdc-aware service "[chars]" (PID [dec]) crashed during vdc create/delete on standby - hasn't caught signal [dec] .`

Explanation The creation/deletion of vdc on standby failed because a global vdc-aware service crashed on standby.

Recommended Action No action is required.

Error Message `SYSMGR-2-VDC_CREATE_DELETE_SRVTERMINATED: Global vdc-aware service "[chars]" (PID [dec]) terminated during vdc create/delete on standby with error code [dec] .`

Explanation The creation/deletion of vdc on standby failed because a global vdc-aware service terminated on standby.

Recommended Action No action is required.

Error Message `SYSMGR-2-VDC_DELETE_FAILURE: The vdc delete has failed: [chars] (error-id 0x[hex])`

Explanation The vdc delete has failed

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-2-VDC_NOT_CLEANEDUP_SRVS: vdc [dec]: [chars]`

Explanation

Recommended Action No action is required.

Error Message `SYSMGR-2-VOLATILE_DB_FULL: System volatile database usage is unexpectedly high at [dec]%.`

Explanation System volatile database space is almost full.

Recommended Action Please run the command 'system pss shrink'. If this message continues to

persist, please contact TAC.

Error Message `SYSMGR-2-WARMSWITCHOVER_START: This supervisor is becoming active.`

Explanation A cold switchover has started.

Recommended Action When the other supervisor is back online, use the command 'show system reset-reason' to know what caused the switchover.

Error Message `SYSMGR-2-WDT_KGDB: System watchdog kgdb has been [chars] for slot [dec].`

Explanation System watchdog kgdb has been [chars]. If the command has been enabled, the system will go into kgdb if there is a watchdog timeout.

Recommended Action No action is required.

SYSMGR-3

Error Message `SYSMGR-3-BASIC_TRACE: [chars]: PID [dec] has the following message [chars].`

Explanation

Recommended Action No action is required.

Error Message `SYSMGR-3-CAPABILITY_REDUN_CHANGE: Redundancy mode changed to [chars] due to configuration change.`

Explanation Some configuration changes have occurred causing administrative redundancy mode to change.

Recommended Action No action is required.

Error Message `SYSMGR-3-CFGCTRL_ABORT: signal to abort cfgctrl as super changes to the unstable state`

Explanation When super state changes to unstable, cfgctrl should be terminated

Recommended Action No action is required.

Error Message `SYSMGR-3-CFGERASE_FAILED: Configuration erase failed (error-id 0x[hex]).`

Explanation The requested configuration erase has failed. [dec] is the error-ID representing the failure reason.

Recommended Action No action is required.

Error Message `SYSMGR-3-CFGSNAPSHOT_FAILED: Configuration snapshot failed (error-id 0x[hex]).`

Explanation The requested configuration snapshot has failed. [dec] is the error-id representing the failure reason.

Recommended Action No action is required.

Error Message `SYSMGR-3-CFGWRITE_FAILED: Configuration copy failed (error-id 0x[hex]).`

Explanation The requested configuration copy has failed. [dec] is the error-id representing the failure reason.

Recommended Action No action is required.

Error Message `SYSMGR-3-CFGWRITE_REJECT: Discarding request for configuration [chars]: configuration action already in progress.`

Explanation Another instance of the command 'copy running-config startup-config' is in progress.

Recommended Action Please wait for the other instance to complete.

Error Message `SYSMGR-3-CFGWRITE_SRVCRASHED: Service "[chars]" crashed with signal ([dec]) while configuration was being saved`

Explanation A required service has crashed while configuration was being saved. The overall configuration copy is considered failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-CFGWRITE_SRVFAILED: Service "[chars]" failed to store its configuration (error-id 0x[hex]).`

Explanation A required service has failed to store its own configuration into the startup-config. The overall configuration copy is considered failed.

Recommended Action Use the 'show process' command to verify that the system is running properly and the service [chars] is behaving correctly. Then try again.

Error Message `SYSMGR-3-CFGWRITE_SRVTERMINATED: Service "[chars]" terminated with error code ([dec]) while configuration was being saved`

Explanation A required service has terminated while configuration was being saved. The overall

configuration copy is considered failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-CFGWRITE_SRVTIMEOUT: Service "[chars]" failed to store its configuration in the timeout period`

Explanation A required service has failed to send a response after receving a request to store its configuration into the startup-config. The overall configuration copy is considered failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-CFGWRITE_VDCSRVCRASHED: Service "[chars]" in vdc [dec] crashed with signal ([dec]) while configuration was being saved`

Explanation A required service has crashed while configuration was being saved. The overall configuration copy is considered failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-CFGWRITE_VDCSRVFAILED: Service "[chars]" in vdc [dec] failed to store its configuration (error-id 0x[hex]).`

Explanation A required service has failed to store its own configuration into the startup-config. The overall configuration copy is considered failed.

Recommended Action Use the 'show process' command to verify that the system is running properly and the service [chars] is behaving correctly. Then try again.

Error Message `SYSMGR-3-CFGWRITE_VDCSRVTERMINATED: Service "[chars]" in vdc [dec] terminated with error code ([dec]) while configuration was being saved`

Explanation A required service has terminated while configuration was being saved. The overall configuration copy is considered failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-CFGWRITE_VDCSRVTIMEOUT: Service "[chars]" in vdc [dec] failed to store its configuration in the timeout period`

Explanation A required service has failed to send a response after receving a request to store its configuration into the startup-config. The overall configuration copy is considered failed.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-COPY_CORES_FAILED: Copying cores failed ([dec]).`

Explanation Copying cores to the destination failed because of an error specified in the log.

Recommended Action No action is required.

Error Message `SYSMGR-3-COREDUMP_TIMEOUT: Failed to store the core in the specified time. Resetting ....`

Explanation Failed to store the core in the specified time. Resetting ...

Recommended Action No action is required.

Error Message `SYSMGR-3-CORE_CLIENT_INIT_FAILED: Core client will not be started due to some internal error.`

Explanation Core client will not be started due to some internal error.

Recommended Action No action is required.

Error Message `SYSMGR-3-CORE_OP_FAILED: Core operation failed: [chars]`

Explanation Mainly use to display failure on core operation in general

Recommended Action No action is required.

Error Message `SYSMGR-3-CORE_SERVER_INIT_FAILED: Core server will not be started due to some internal error.`

Explanation Core server will not be started due to some internal error.

Recommended Action No action is required.

Error Message `SYSMGR-3-DAEMONIZE_FAILED: Unable to daemonize service "[chars]": [chars] ([dec]).`

Explanation A service could not be spawned.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-DISCARD_BINCFG_CONVERT_FAILURE: Binary configuration is being discarded`

for the reasons: < [chars] >

Explanation Binary configuration is being discarded due to conversion failure

Recommended Action No actions required. System will fallback to ASCII configuration

Error Message SYSMGR-3-DISCARD_BINCFG_VERCMP_FAILURE: Binary configuration is being discarded due to version compare failure

Explanation Binary configuration is being dicarded since the version compare failed to decode the versions

Recommended Action No actions required. System will fallback to ASCII configuration

Error Message SYSMGR-3-FAILED_PFM_HANDSHAKE: PFM-handshake from service "[chars]" failed (error-id 0x[hex]).

Explanation The Platform Manager handshake has failed. The system can't proceed with the initialization.

Recommended Action No action is required.

Error Message SYSMGR-3-GSYNC_TIMEOUT_FAILED: Failed to set timeout for global sync for an application ([dec]).

Explanation Failed to set timeout for global sync for an application. This can result in global sync to be stuck forever if application never completes global sync.

Recommended Action No action is required.

Error Message SYSMGR-3-HEARTBEAT_FAILURE: Service "[chars]" sent SIGABRT for not setting heartbeat for last [dec] periods. Last heartbeat [dec] secs ago.

Explanation A service is not setting proper heartbeats to System Manager So it will kill this service and if this service has restartability set to TRUE, the service will restart.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message SYSMGR-3-INVALID_BOOT_HANDSHAKE: Boot-scope-handshake received from service "[chars]", that is in scope [dec] (not the boot scope).

Explanation A service is trying to take actions that belong to a different class of services.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-INVALID_PFM_HANDSHAKE: PFM-handshake received from service "[chars]", that is in scope [dec] (not the boot scope).`

Explanation A service is trying to take actions that belong to the Platform Manager service.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-INVALID_TRANSITION: Transition from state [chars] to state [chars] is not allowed.`

Explanation Unexpected transition in the System Manager state machine.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-INVALID_UUID: Service "[chars]" is configured with UUID 0x[hex], but uses UUID 0x[hex].`

Explanation The identity of a service is inconsistent in the image file

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-ISSU_BEGIN_FAILED: ISSU cannot proceed (error-id 0x[hex]).`

Explanation This message indicates that some service has blocked the ISSU.

Recommended Action No action is required.

Error Message `SYSMGR-3-KILLALLSRVS_FAILURE: Sysmgr rtdb controller timed out while terminating all serivces.`

Explanation One or more services did not terminate during upgrade/downgrade.

Recommended Action Please collect show tech ha to find the service that did not terminate.

Error Message `SYSMGR-3-LC_IMAGE_UPGRADE_FAILURE: Linecard image upgrade request failed(error-id 0x[hex]).`

Explanation Linecard image upgrade request failed

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-LC_RESET: Resetting linecard`

Explanation Linecard is being reset

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-LC_SAVE_STATES_FAILURE: Save states request for the linecard failed(error-id 0x[hex]).`

Explanation Save state request for the linecard failed

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-LC_STOP_ASYNC_FAILURE: Stop async notification request failed(error-id 0x[hex]).`

Explanation Stop async notification request for the linecard failed

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-LC_UPG_ERROR: LC ERROR: [chars]`

Explanation Linecard upgrade error message

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-LOGFLASH_DEBUG_FULL: System core file storage usage is unexpectedly high at [dec]%.`

Explanation Logflash core file storage spave is almost full.

Recommended Action Please run command 'run bash sudo df -k /logflash' and clean up the directory.

Error Message `SYSMGR-3-MISSING_OPTIONAL_CAPABILITY: Incomplete support for the current running-config on standby supervisor.`

Explanation Loose config incompatibilities exist between active and standby sup. Operational redundancy mode is still set to HA.

Recommended Action No action is required.

Error Message `SYSMGR-3-MODULE_LOCK_FAILED: Failed to lock the local module to avoid reset (error-id 0x[hex]).`

Explanation Locking the local module has failed. Reloading the local module can now result in switchover to fail.

Recommended Action No action is required.

Error Message `SYSMGR-3-ND_UPGD_RECOVERY_SRVFAILED: Service "[chars]" in vdc [dec] failed in non-disruptive upgrade recovery (error-id 0x[hex]).`

Explanation The non-disruptive upgrade failed because a service could not recover its state.

Recommended Action No action is required.

Error Message `SYSMGR-3-OPERATIONAL_MODE_WARM: Operational redundancy mode set to warm (error-id 0x[hex]).`

Explanation Operational redundancy mode will be set to warm. [dec] is the error-ID representing the reason.

Recommended Action No action is required.

Error Message `SYSMGR-3-PARTIAL_CFGWRITE_FAILED: Partial configuration copy failed (error-id 0x[hex]).`

Explanation The requested configuration copy has failed. [dec] is the error-ID representing the failure reason.

Recommended Action No action is required.

Error Message `SYSMGR-3-PARTIAL_CFGWRITE_VER_MISMATCH: Startup-config version not same as current software version.`

Explanation Startup-config version not same as current software version.

Recommended Action Please do a copy running startup, and try again.

Error Message `SYSMGR-3-RTDBCTRL_BUILD_UPG_TBL_FAILED: Failed to prepare upgrade version table during pre-upgrade`

Explanation A required sequence in the preupgrade sequence has failed. The version table could not be built correctly

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-RTDBCTRL_SRVFAILURE: Service "[chars]" responded with a failure`

Explanation A service responded with a failure to the request

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-RTDBCTRL_SRVTIMEOUT: Service "[chars]" failed to respond back to System Manager in the specified timeout period`

Explanation A required service has failed to send a response after receiving a request for the fabric switch upgrade.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-RTDBCTRL_SRV_RECV_FAILED: Failed to receive response from Service "[chars]"`

Explanation A required service has failed to send a response after receiving a request for the fabric switch upgrade.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-RTDBCTRL_SRV_SEND_FAILED: Failed to send upgrade request to Service "[chars]"`

Explanation Failed to send upgrade request to a required service

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-SERVICE_BACKTRACE: [chars]`

Explanation Service crashed

Recommended Action No actions required.

Error Message `SYSMGR-3-SERVICE_TERMINATED: Service "[chars]" (PID [dec]) has finished with error code [chars] ([dec]).`

Explanation A service has terminated its execution normally. Depending on the value of [dec2] and the HA policies implemented for the service, the service might be restarted automatically.

Recommended Action No action is required.

Error Message `SYSMGR-3-SHUTDOWN_OVER: The System Manager is shutting down now.`

Explanation This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

Recommended Action No action is required.

Error Message `SYSMGR-3-SHUTDOWN_START: The System Manager has started the shutdown procedure.`

Explanation This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

Recommended Action No action is required.

Error Message `SYSMGR-3-STANDBY_UNSTABLE_FTSET_OPERATION: Restarting standby since it is not in hot standby state while feature-set operation was in progress in vdc [dec].`

Explanation Standby unstable during feature-set operation

Recommended Action No action is required.

Error Message `SYSMGR-3-STANDBY_VDC_RESTART_FAILURE: vdc [dec] on standby failed to restart. error: [chars] (0x[hex])`

Explanation

Recommended Action No action is required.

Error Message `SYSMGR-3-SYSMGR_CRASHED: Sysmgr (PID [dec]) [chars]`

Explanation Sysmgr has terminated abnormally.

Recommended Action Please use the command 'show process' to verify that sysmgr has been restarted.

Error Message `SYSMGR-3-SYSMGR_SDB_ERR: [chars]: SDB [chars] failed [chars]([dec])`

Explanation SDB failed

Recommended Action No action is required.

Error Message `SYSMGR-3-TFTP_CORES_FAILED: TFTPing cores failed ([chars]).`

Explanation TFTPing cores to the destination failed because of an error specified in the log.

Recommended Action No action is required.

Error Message `SYSMGR-3-UNACCEPTABLE_WAIT: Service "[chars]", no response from System Manager after [dec] seconds. Terminating.`

Explanation A spawned service couldn't handshake with the System Manager and it's about to be terminated.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-3-UNLINK_RELINK_CONF_FILES_FAILED: [chars] of conf files failed. plugin_id [dec]`

Explanation Unlink and/or Relink of configuration files failed.

Recommended Action No action is required.

Error Message `SYSMGR-3-URIFS_APPLY_FAILED: Applying URI filesystem database failed (error-id 0x[hex]).`

Explanation The application of URI filesystem database has failed. [dec] is the error-ID representing the failure reason.

Recommended Action No action is required.

Error Message `SYSMGR-3-VAR_SYSMGR_FTP_FULL: System partition is unexpectedly high at [dec]%.`

Explanation System partition is almost full.

Recommended Action Please run command 'run bash sudo df -k /var/sysmgr/ftp' and clean up the directory.

Error Message `SYSMGR-3-VAR_SYSMGR_FULL: System core file storage usage is unexpectedly high at [dec]%. This may cause corruption of core files`

Explanation System core file storage space is almost full.

Recommended Action Please copy cores off the supervisor and run 'clear cores' to free some space

SYSMGR-4

Error Message `SYSMGR-4-BASIC_TRACE_WARNING: [chars]: PID [dec] with message [chars].`

Explanation

Recommended Action No action is required.

Error Message `SYSMGR-4-CFGWRITE_PARTIALFORCED: Some services are missing; partial configuration write forced.`

Explanation The system is not fully operational, but a configuration copy has been forced. The services that are not running won't save their configuration, and the next time they will restart with a default configuration.

Recommended Action Use the 'show process' command to find out which required services are not running.

Error Message `SYSMGR-4-DISCARD_BINCFG_DOWNGRADE_VERSIONID: Binary configuration is being discarded, because the configuration was generatred previously by an image with higher version identfier`

Explanation Binary configuration is being discarded, because the configuration was generatred previously by an image with higher version identfier

Recommended Action No actions required. System will fallback to ASCII configuration

Error Message `SYSMGR-4-DISCARD_BINCFG_HIGH_TRAINSTAMP: Binary configuration is being discarded, because the configuration was generatred previously by an image having higher trainstamp`

Explanation Binary configuration is being discarded, because the configuration was generatred previously by an image having higher trainstamp

Recommended Action No actions required. System will fallback to ASCII configuration

Error Message `SYSMGR-4-DISCARD_BINCFG_SRG_INCOMPATIBLE: Binary configuration is being discarded due to incompatibility with running version`

Explanation Binary configuration is being dicarded due to incompatibility with running version

Recommended Action No actions required. System will fallback to ASCII configuration

Error Message `SYSMGR-4-INVALID_GSYNC_GET: Service "[chars]" vdc [dec] requesting gsync without setting proper flag in its conf file.`

Explanation Service is requesting global sync without setting proper flag in its conf file.

Recommended Action No action is required.

Error Message `SYSMGR-4-ON_DEMAND_STOP_UID_KNOWN: On-demand service "[chars]" stopped by uid ([dec]).`

Explanation The service start type is specified as type on-demand in its configuration file and a service requested to abort it.

Recommended Action No action is required.

Error Message `SYSMGR-4-ON_DEMAND_STOP: On-demand service "[chars]" stopped.`

Explanation The service start type is specified as type on-demand in its configuration file and an external request requested to abort it.

Recommended Action No action is required.

Error Message `SYSMGR-4-PARSEWARN_INVALID_CFGFILE: [chars]: unable to find "[chars]": [chars] ([dec]).`

Explanation This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-4-PARSEWARN_RESTART_CNT_TOO_BIG: Service "[chars]": [chars] restart count of [dec] too big, needs to be set to [dec].`

Explanation This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-4-PARSEWARN_VALUE_TOO_SMALL: [chars]: [chars] is too small, replaced with [dec].`

Explanation This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-4-READCONF_REJECT: Discarding configuration update request: [chars].`

Explanation This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

Recommended Action No action is required.

Error Message `SYSMGR-4-READCONF_STARTED: Configuration update started (PID [dec]).`

Explanation This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

Recommended Action No action is required.

Error Message `SYSMGR-4-RESTORE_RSRVD_VLAN_TO_DEFAULT: Write erase procedure does not restore the default reserved VLAN range to [dec]-[dec]. Please run 'no system vlan reserve' to restore to defaults`

Explanation Default reserved vlan range

Recommended Action No action is required.

Error Message `SYSMGR-4-SRVSCOPE_DELAYED: Waiting for redundancy state; termination delayed for scope [chars].`

Explanation This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action No action is required.

Error Message `SYSMGR-4-SYSMGR_CORE_TRUNCATED: Core seems to be truncated on generation. [dec] / [dec] KB. PID: [dec]`

Explanation Core likely truncated

Recommended Action No action is required.

Error Message `SYSMGR-4-SYSMGR_PATCH_START_SERVICE: vdc [dec]: Service [chars] has restarted with pid [dec] as part of patch operation`

Explanation Service started for patching

Recommended Action No action is required.

Error Message `SYSMGR-4-SYSMGR_PATCH_STOP_SERVICE: vdc [dec]: Service [chars] with pid [dec] has exited as part of patch operation`

Explanation Service exited for patching

Recommended Action No action is required.

Error Message `SYSMGR-4-SYSMGR_PLUGIN_FAILURE: Received failure response 0x[hex] from Plugin Manager`

Explanation Failure response from plugin mgr

Recommended Action No action is required.

Error Message `SYSMGR-4-SYSMGR_VDC_CORE_DELETION: Cores in VDC [dec] will be deleted as part of VDC deletion`

Explanation VDC cores deleted

Recommended Action No action is required.

Error Message `SYSMGR-4-UGRP_ALL_COMPLETED: Upgrade completed for all the groups.`

Explanation This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

Recommended Action No action is required.

SYSMGR-5

Error Message `SYSMGR-5-CFGERASE_DONE: Configuration erase successful.`

Explanation The requested configuration erase has completed successfully.

Recommended Action No action is required.

Error Message `SYSMGR-5-CFGERASE_STARTED: Configuration erase started (PID [dec]).`

Explanation The requested configuration erase has started. [dec] is the Process-ID of the process servicing the request.

Recommended Action No action is required.

Error Message `SYSMGR-5-CFGINIT_STARTED: Initialization of the startup configuration started (PID [dec]).`

Explanation The requested initialization of the startup configuration has started. [dec] is the Process-ID of the process servicing the request.

Recommended Action No action is required.

Error Message `SYSMGR-5-CFGSNAPSHOT_DONE: Configuration snapshot successful.`

Explanation The requested configuration snapshot has completed successfully.

Recommended Action No action is required.

Error Message `SYSMGR-5-CFGSNAPSHOT_STARTED: Configuration snapshot started (PID [dec]).`

Explanation The requested configuration snapshot has started. [dec] is the Process-ID of the process servicing the request.

Recommended Action No action is required.

Error Message `SYSMGR-5-CFGWRITE_DONE: Configuration copy successful.`

Explanation The requested configuration copy has completed successfully.

Recommended Action No action is required.

Error Message `SYSMGR-5-CFGWRITE_STARTED: Configuration copy started (PID [dec]).`

Explanation On the active supervisor, this message indicates that the system has started to service a 'copy running-config startup-config' requested by the user. On the standby supervisor, this message indicates that the system is synchronizing the startup-config from the active supervisor. [dec] is the Process-ID of the process servicing the request.

Recommended Action No action is required.

Error Message `SYSMGR-5-CONVERT_STARTUP_STARTED: Configuration conversion started (PID [dec]).`

Explanation This message indicates that the system has started conversion of startup configuration. This happens either on system boot or during the course of an upgrade.

Recommended Action No action is required.

Error Message `SYSMGR-5-DELETE_BINARY_STARTUP_STARTED: Deletion of binary startup configuration started (PID [dec]).`

Explanation This message indicates that the system will be deleting the binary startup configuration, due to an error in the conversion of the startup conversion.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-5-FSM_STATE_TRANS: System Manager NESTED state transition from [chars] to [chars].`

Explanation

Recommended Action No action is required.

Error Message `SYSMGR-5-IMPROPER_CLEANUP: Service "[chars]" exited without replying to switchover request.`

Explanation A conditional service exited without replying to switchover request. This message is for logging purposes only and does not affect the functionality of the system

Recommended Action No action is required.

Error Message `SYSMGR-5-ISSU_ABORT: Notifying services of aborted ISSU (PID [dec]).`

Explanation This message indicates that the ISSU has been aborted and the services have been asked to rollback any changes.

Recommended Action No action is required.

Error Message `SYSMGR-5-ISSU_BEGIN_STARTED: Notifying services of ISSU (PID [dec]).`

Explanation This message indicates that the system has started notifying services for the ISSU. Services can block the upgrade at this point.

Recommended Action No action is required.

Error Message `SYSMGR-5-LC_UPGRADE_REBOOT: Rebooting linecard as a part of upgrade`

Explanation Linecard is being rebooted as a part of upgrade

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-5-LC_UPGRADE_START: Starting linecard upgrade`

Explanation Linecard upgrade is starting

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-5-MODULE_ONLINE: System Manager has received notification of local module becoming online.`

Explanation System Manager has received notification of local module becoming online.

Recommended Action No action is required.

Error Message `SYSMGR-5-PARTIAL_CFGWRITE_ASCII_CONFIG: Startup-config version not present.`

Explanation Startup-config version not present.

Recommended Action Startup-config version is not present. Ascii configuration will be applied.

Error Message `SYSMGR-5-PARTIAL_CFGWRITE_DONE: Partial configuration copy successful.`

Explanation The requested configuration copy has completed successfully.

Recommended Action No action is required.

Error Message SYSMGR-5-PARTIAL_CFGWRITE_STARTED: Partial configuration copy started by UUID 0x[hex] (PID [dec]).

Explanation This message is printed only on active supervisor, and indicates that service with mentioned UUID has requested a partial write mem. [dec] is the Process-ID of the process servicing the request.

Recommended Action No action is required.

Error Message SYSMGR-5-RECOVERY_FAILED: Stateful recovery failed, system manager will now start stateless.

Explanation Stateful recovery failed, system manager will now restart system and start stateless.

Recommended Action No action is required.

Error Message SYSMGR-5-RUNTIME_DB_RESTORE_STARTED: Runtime database controller started (PID [dec]).

Explanation This message indicates that the system has started the restoration of the runtime database. This happens during the non-disruptive fabric switch upgrade.

Recommended Action No action is required.

Error Message SYSMGR-5-RUNTIME_DB_RESTORE_SUCCESS: Runtime database successfully restored.

Explanation This message indicates that the runtime database has been successfully restored for the non-disruptive fabric switch upgrade.

Recommended Action No action is required.

Error Message SYSMGR-5-RUNTIME_DB_SAVE_STARTED: Runtime database save has started (PID [dec]).

Explanation This message indicates that the system has started the saving of the runtime database. This happens during the non-disruptive fabric switch upgrade.

Recommended Action No action is required.

Error Message SYSMGR-5-SERVICE_DELETED: Service "[chars]" has been removed from the System Manager database.

Explanation This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

Recommended Action No action is required.

Error Message SYSMGR-5-STATEFUL_STATE: System Manager is in state [chars] after stateful

restart.

Explanation System Manager has been restarted stateful after an error that resulted in System Manager exiting.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message SYSMGR-5-SUBPROC_KILLED: "[chars]" (PID [dec]) hasn't caught signal [dec][chars]

Explanation This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action No action is required.

Error Message SYSMGR-5-SUBPROC_TERMINATED: "[chars]" (PID [dec]) has finished with error code [chars] ([dec]).

Explanation This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action No action is required.

Error Message SYSMGR-5-UGRP_COMPLETED: Upgrade completed for group [dec].

Explanation This is a legacy message that can be ignored from Cisco MDS SAN-OS release 1.3(4a).

Recommended Action No action is required.

SYSMGR-6

Error Message SYSMGR-6-ALL_SCOPES_STARTED: System services have completely started at this time.

Explanation System services have completely started at this time.

Recommended Action No action is required.

Error Message SYSMGR-6-HANDSHAKE_DONE: Handshake with service "[chars]" successfully performed.

Explanation This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action No action is required.

Error Message SYSMGR-6-HANDSHAKE_VERIFYING_DONE: Handshake verification done from service "[chars]".

Explanation

Recommended Action No action is required.

Error Message `SYSMGR-6-LC_UPG_DEBUG: LC NON-CRITICAL DEBUG: [chars]`

Explanation Linecard upgrade debug message

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

Error Message `SYSMGR-6-RLIMIT_INFO: rlimit of service "[chars]"([dec]) = [dec]`

Explanation

Recommended Action No action is required.

Error Message `SYSMGR-6-SRVSCOPE_COMPLETED: Completed execution for scope [chars].`

Explanation This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action No action is required.

Error Message `SYSMGR-6-SRVSCOPE_STARTED: Started execution for scope [chars].`

Explanation This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action No action is required.

Error Message `SYSMGR-6-SRVSTATE_CHANGED: State for service "[chars]" changed from [chars] to [chars] in vdc [dec].`

Explanation This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action No action is required.

Error Message `SYSMGR-6-SRV_ENQUEUED_FOR_START: Conditional service "[chars]" started by sap "[dec]" has been enqueued for start.`

Explanation

Recommended Action No action is required.

Error Message `SYSMGR-6-STATE_CHANGED: System Manager state changed from [chars] to [chars] for vdc [dec].`

Explanation

Recommended Action No action is required.

Error Message `SYSMGR-6-SUPERSTATE_CHANGED: System Manager super state changed from [chars] to [chars] for vdc [dec].`

Explanation

Recommended Action No action is required.

Error Message `SYSMGR-6-UNEXPECTED_GSYNC_RESTART_STANDBY: Sending a message to restart system on standby on vdc [dec].`

Explanation Activity occurred on active supervisor that is incompatible with state of standby. System will be restarted on standby.

Recommended Action No action is required.

SYSMGR-7

Error Message `SYSMGR-7-CFGWRITE_UNEXPECTEDRSP: Discarding unexpected response from service "[chars]".`

Explanation

Recommended Action No action is required.

Error Message `SYSMGR-7-DUPLICATED_PFM_HANDSHAKE: PFM-handshake received from service "[chars]", but information already available.`

Explanation This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action No action is required.

Error Message `SYSMGR-7-LIBCDB_FAILURE: Conversion for service "[chars]" failed in libcdb.`

Explanation This message indicates that either the system could not find conversion tarball or there is no conversion library needed for this service.

Recommended Action No action is required.

Error Message `SYSMGR-7-LIBVDB_FAILURE: Conversion for service "[chars]" failed in libvdb.`

Explanation This message indicates that the system could not find package information for this service in the version database.

Recommended Action No action is required.

Error Message `SYSMGR-7-ND_UPGD_RECOVERY_SRVSUCCEEDED: Service "[chars]" recovered its state during non-disruptive upgrade.`

Explanation

Recommended Action No action is required.

Error Message `SYSMGR-7-NO_STARTUP_CONFIG: No startup-config to convert.`

Explanation This message indicates that the system tried to convert startup configuration but it found no configuration to convert.

Recommended Action No action is required.

Error Message `SYSMGR-7-PSSCC_SNAPSHOT_ELAPSED_TIME: PSS Consistency Checker snapshot took [dec].[dec] seconds.`

Explanation This is the time used to generate the PSS Consistency Checker snapshot.

Recommended Action No action is required.

Error Message `SYSMGR-7-SERVICE_STARTED: Service "[chars]" in vdc [dec] started with PID([dec]).`

Explanation The System Manager is starting a service. This message is for debugging purposes only.

Recommended Action No action is required.

Error Message `SYSMGR-7-SERVICE_SUCCESS_EXIT: Service "[chars]" (PID [dec]) has successfully exited with exit code [chars] ([dec]).`

Explanation A service has successfully exited its execution.

Recommended Action No action is required.

Error Message `SYSMGR-7-SUBPROC_SUCCESS_EXIT: "[chars]" (PID [dec]) has successfully exited with exit code [chars] ([dec]).`

Explanation This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action No action is required.

Error Message `SYSMGR-7-SWITCHOVER_SRVSUCCEDED: Service "[chars]" completed its switchover actions.`

Explanation This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action No action is required.

Error Message `SYSMGR-7-UNEXPECTEDMSG: Opcode [dec] not expected at this time from service "[chars]" ([chars]).`

Explanation This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action No action is required.

Error Message `SYSMGR-7-UNKNOWNADDR: Opcode [dec] received from unknown source [chars]. Discarding.`

Explanation This message is for Cisco TAC debugging. This is not a problem or malfunction.

Recommended Action No action is required.

Error Message `SYSMGR-7-UNKNOWNMSG: Unknown opcode [dec] received from [chars].`

Explanation The System Manager has received an unrecognized message with the specified opcode. [chars] is the source of the message. This message is for debugging purposes only.

Recommended Action No action is required.

Error Message `SYSMGR-7-UNKNOWNPID: Opcode [dec] received from [chars] with unknown PID [dec]. Discarding.`

Explanation The System Manager has received a message from an unknown process. [chars] is the source of the message. This message is for debugging purposes only.

Recommended Action No action is required.

Error Message `SYSMGR-7-UNKNOWNUUID: Opcode [dec] received from [chars] with unknown UUID [dec]. Discarding.`

Explanation The System Manager has received an unrecognized message from the specified UUID. [chars] is the source of the message. This message is for debugging purposes only.

Recommended Action No action is required.

TACACS Messages

This section contains the TACACS messages.

TACACS-2

Error Message `TACACS-2-TACACS_PROGRAM_EXIT: TACACS+ daemon exiting: [chars]`

Explanation TACACS+ daemon is exiting.

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

TACACS-3

Error Message `TACACS-3-TACACS_ERROR_MESSAGE: [chars]`

Explanation TACACS+ Error Message

Recommended Action No action is required.

TACACS-4

Error Message `TACACS-4-TACACS_WARNING: [chars]`

Explanation TACACS+ warning

Recommended Action No action is required.

TACACS-5

Error Message `TACACS-5-TACACS_MONITOR_STATUS: [chars] [chars]`

Explanation Notifying Tacacs+ server monitor status change

Recommended Action No action is required.

Error Message `TACACS-5-TACACS_NOTIFICATION: [chars]`

Explanation TACACS+ notification

Recommended Action No action is required.

Error Message `TACACS-5-TACACS_SERVER_STATUS: [chars] server [chars] with auth-port [dec] and acct-port [dec] status has changed from [chars] to [chars]. Server was in previous-state for [chars], and total dead time of the server is [chars]`

Explanation Notifying Tacacs+ server status change

Recommended Action No action is required.

TACACS-6

Error Message `TACACS-6-TACACS_ACCOUNTING_MESSAGE: [chars]`

Explanation Accounting Message

Recommended Action No action is required.

Error Message `TACACS-6-TACACS_MESSAGE: [chars]`

Explanation TACACS+ Message

Recommended Action No action is required.

TBIRD_CMN_USD Messages

This section contains the TBIRD_CMN_USD messages.

TBIRD_CMN_USD-6

Error Message `TBIRD_CMN_USD-6-TBIRD_CMN_DEBUG_MSG: [chars]`

Explanation Debug log message

Recommended Action No action is required.

TCAP Messages

This section contains the TCAP messages.

TCAP-2

Error Message `TCAP-2-MEM_FULL: Memory allocation failed.`

Explanation TCAP process has failed to allocate memory.

Recommended Action Please perform a 'show tcap event-history' to collect more information.

Error Message `TCAP-2-PROC_DN: Process is shutting down: [chars]`

Explanation TCAP process is exiting.

Recommended Action Please perform a 'show tcap event-history' to collect more information.

Error Message `TCAP-2-PROC_INITFAIL: Process initialization failed due to [chars].`

Explanation TCAP process has failed initialization.

Recommended Action Please perform a 'show tcap event-history' to collect more information.

TCTRL_USD Messages

This section contains the TCTRL_USD messages.

TCTRL_USD-2

Error Message `TCTRL_USD-2-MIFPGA_SYNCE_INCOMPATIBLE: MIFPGA version is incompatible for synce feature, please upgrade to latest one for this feature to work properly`

Explanation Tctrl log message

Recommended Action No action is required.

Error Message `TCTRL_USD-2-TCTRL_USD_FW_UPGRADE_FAILED_REBOOT: Dpll firmware upgrade from 0x[hex] to 0x[hex] is failed !!!System will reload in few seconds...!!!`

Explanation Tctrl log message

Recommended Action No action is required.

TELEMETRY Messages

This section contains the TELEMETRY messages.

TELEMETRY-1

Error Message `TELEMETRY-1-ALERT: [chars]`

Explanation Alert message

Recommended Action ACTION_NONE

TELEMETRY-2

Error Message `TELEMETRY-2-CRITICAL: [chars]`

Explanation Critical message

Recommended Action ACTION_NONE

TELEMETRY-3

Error Message `TELEMETRY-3-ERROR: [chars]`

Explanation Error message

Recommended Action ACTION_NONE

Error Message `TELEMETRY-3-TM_ERROR: Telemetry Error:[chars]. errno=[dec] ([chars])`

Explanation Telemetry API returned an error

Recommended Action ACTION_NONE

Error Message `TELEMETRY-3-TRANSPORT_DISABLED: Disabling [chars] transport for [chars] after [dec] consecutive errors.`

Explanation Telemetry transport is disabled due to consecutive errors.

Recommended Action Check for packet drops and receiver issues. Reconfigure destination group to resume streaming

TELEMETRY-4

Error Message `TELEMETRY-4-COLLECTOR_GET_ERR: Collector data retrieval [chars] for path:[chars]`

Explanation Collector data collection failed or succeeded after failure.

Recommended Action Check sensor path and correct it if it is not right.

Error Message `TELEMETRY-4-COLLECTOR_WARNING: [chars]. (While collecting: [chars])`

Explanation Telemetry data collector warning message.

Recommended Action ACTION_NONE

Error Message `TELEMETRY-4-DISABLE_DONE: [chars]`

Explanation Telemetry is now disabled. You can re-enable the feature if needed.

Recommended Action ACTION_NONE

Error Message `TELEMETRY-4-DISABLING_FEATURE: [chars]`

Explanation Telemetry is being disabled. Please wait until process terminates.

Recommended Action Don't re-enable telemetry until the process exits.

Error Message `TELEMETRY-4-DME_GET_ERR: [chars] data retrieval failed for path:[chars]`

Explanation DME Data collection failed for DN path

Recommended Action ACTION_KEEP_RUNNING

Error Message `TELEMETRY-4-INFRA_SYSERR: Error returned from [chars]: errno=[dec] ([chars])`

Explanation Telemetry invoke an infra API which returned an error

Recommended Action ACTION_NONE

Error Message `TELEMETRY-4-INITERR: TM initialized [chars] failed`

Explanation Initialization failures condition

Recommended Action ACTION_NONE

Error Message `TELEMETRY-4-MALLOC_FAILED: Memory allocation failed for [chars]`

Explanation Telemetry could not allocate memory

Recommended Action ACTION_NONE

Error Message `TELEMETRY-4-MEM_LIMIT_REACHED: [chars]`

Explanation Telemetry is running out of memory.

Recommended Action Check if receiver is processing fast and also consider scaling down streaming data size.

Error Message `TELEMETRY-4-MSG_TOO_BIG: Message size [dec] exceeds allowed size of [dec] bytes for [chars] (DN:[chars]). Please use a different transport protocol.`

Explanation Telemetry message is too big. Consider using a different transport protocol.

Recommended Action Message is too large. Use a different transport protocol

Error Message `TELEMETRY-4-MTS_DROP: Error returned from mts_drop(): [chars]`

Explanation An MTS API returned error when Telemetry tried to drop a message

Recommended Action ACTION_KEEP_RUNNING

Error Message `TELEMETRY-4-MTS_HANDLER_ERR: Unable to handle mts[[dec]] message [chars]: [chars]`

Explanation An MTS API handler returned error when Telemetry tried to process message

Recommended Action ACTION_KEEP_RUNNING

Error Message `TELEMETRY-4-QUEUE_FULL: [chars] queue is full. Consider scaling down configuration or check if receiver is running.`

Explanation Telemetry is streaming out too much data.

Recommended Action Consider scaling down Telemetry configuration.

Error Message `TELEMETRY-4-TM_SUBSCRIBE_ERR: Event subscription for sensor path [chars] failed. Error: [chars].`

Explanation Telemetry Event subscription failed

Recommended Action ACTION_NONE

Error Message `TELEMETRY-4-TM_SUB_UNSUPPORTED: Event subscription is not supported for [chars] sensor-group [dec]`

Explanation Telemetry Event subscription not supported

Recommended Action ACTION_NONE

Error Message `TELEMETRY-4-TRANSPORT_RECONFIGURE: [chars]`

Explanation A configuration change requires reconfiguring destination groups to take effect.

Recommended Action Reconfigure telemetry destination groups.

Error Message `TELEMETRY-4-TRANSPORT_SEND_ERROR: [chars] send to [chars] failed. ([chars])`

Explanation Telemetry transport send failure.

Recommended Action Make sure receiver is up and running.

Error Message `TELEMETRY-4-TRIGGER_ERROR: User triggered subscription [dec] group [dec] failed. [chars]`

Explanation Telemetry trigger error message.

Recommended Action ACTION_NONE

Error Message `TELEMETRY-4-TRIGGER_WARNING: User triggered subscription [dec] group [dec] with delay [dec] (ms). [chars]`

Explanation Telemetry trigger warning message.

Recommended Action ACTION_NONE

Error Message `TELEMETRY-4-VRF_UNUSABLE: VRF [chars] is not usable. Telemetry streaming is being skipped.`

Explanation Telemetry does not stream due to unusable VRF/Namespace.

Recommended Action Make sure to configure the VRF.

Error Message `TELEMETRY-4-WARNING: [chars]`

Explanation Warning message

Recommended Action ACTION_NONE

TELEMETRY-5

Error Message `TELEMETRY-5-NOTICE: [chars]`

Explanation Normal bug significant condition

Recommended Action ACTION_NONE

TELEMETRY-6

Error Message `TELEMETRY-6-INFO: [chars]`

Explanation Informational message

Recommended Action ACTION_NONE

Error Message `TELEMETRY-6-SYSLOG_UNKNOWN: Syslog message id [dec] is not implemented`

Explanation Telemetry syslog message has not been implemented

Recommended Action ACTION_NONE

TELEMETRY-7

Error Message `TELEMETRY-7-DEBUG: [chars]`

Explanation Debug message

Recommended Action ACTION_NONE

TPMON Messages

This section contains the TPMON messages.

TPMON-2

Error Message `TPMON-2-TPMON_PM_FEC_EC_BITS_MAX_TCA: Interface [chars] reports FEC EC_BITS(MAX) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports FEC EC_BITS(MAX) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_FEC_EC_BITS_MIN_TCA: Interface [chars] reports FEC EC_BITS(MIN) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports FEC EC_BITS(MIN) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_FEC_POST_FEC_BER_MAX_TCA: Interface [chars] reports FEC POST_FEC_BER(MAX) PM TCA with current value % PRId64 , threshold % PRId64 in current [dec]-[chars] interval window`

Explanation Interface [char] reports FEC POST_FEC_BER(MAX) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_FEC_POST_FEC_BER_MIN_TCA: Interface [chars] reports FEC POST_FEC_BER(MIN) PM TCA with current value % PRId64 , threshold % PRId64 in current [dec]-[chars] interval window`

Explanation Interface [char] reports FEC POST_FEC_BER(MIN) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_FEC_PRE_FEC_BER_MAX_ALARM: Interface [chars] alarms FEC PRE_FEC_BER(MAX) PM TCA with current value %.2e, threshold %.2e`

Explanation Interface [char] alarms FEC PRE_FEC_BER(MAX) PM TCA with current value [number], threshold [number]

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_FEC_PRE_FEC_BER_MAX_TCA: Interface [chars] reports FEC PRE_FEC_BER(MAX) PM TCA with current value % PRId64 , threshold % PRId64 in current [dec]-[chars] interval window`

Explanation Interface [char] reports FEC PRE_FEC_BER(MAX) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_FEC_PRE_FEC_BER_MIN_ALARM: Interface [chars] alarms FEC PRE_FEC_BER(MIN) PM TCA with current value %.2e, threshold %.2e`

Explanation Interface [char] alarms FEC PRE_FEC_BER(MIN) PM TCA with current value [number], threshold [number]

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_FEC_PRE_FEC_BER_MIN_TCA: Interface [chars] reports FEC PRE_FEC_BER(MIN) PM TCA with current value % PRId64 , threshold % PRId64 in current [dec]-[chars] interval window`

Explanation Interface [char] reports FEC PRE_FEC_BER(MIN) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_FEC_QUALITY_MARGIN_MAX_TCA: Interface [chars] reports FEC QUALITY_MARGIN(MAX) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports FEC QUALITY_MARGIN(MAX) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_FEC_QUALITY_MARGIN_MIN_TCA: Interface [chars] reports FEC QUALITY_MARGIN(MIN) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports FEC QUALITY_MARGIN(MIN) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_FEC_QUALITY_MAX_TCA: Interface [chars] reports FEC QUALITY(MAX) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports FEC QUALITY(MAX) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_FEC_QUALITY_MIN_TCA: Interface [chars] reports FEC QUALITY(MIN) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports FEC QUALITY(MIN) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_FEC_UC_WORDS_MAX_TCA: Interface [chars] reports FEC UC_WORDS(MAX) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports FEC UC_WORDS(MAX) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_FEC_UC_WORDS_MIN_TCA: Interface [chars] reports FEC UC_WORDS(MIN) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports FEC UC_WORDS(MIN) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_CD_MAX_ALARM: Interface [chars] reports OPTICS CD(MAX) PM TCA with current value [dec], threshold [dec]`

Explanation Interface [char] alarms OPTICS CD(MAX) PM TCA with current value [number], threshold [number]

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_CD_MAX_TCA: Interface [chars] reports OPTICS CD(MAX) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS CD(MAX) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_CD_MIN_ALARM: Interface [chars] alarms OPTICS CD(MIN) PM TCA with current value [dec], threshold [dec]`

Explanation Interface [char] alarms OPTICS CD(MIN) PM TCA with current value [number], threshold [number]

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_CD_MIN_TCA: Interface [chars] reports OPTICS CD(MIN) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS CD(MIN) PM TCA with current value [number],

threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_DGD_MAX_ALARM: Interface [chars] alarms OPTICS DGD(MAX) PM TCA with current value [dec], threshold [dec]`

Explanation Interface [char] alarms OPTICS DGD(MAX) PM TCA with current value [number], threshold [number]

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_DGD_MAX_TCA: Interface [chars] reports OPTICS DGD(MAX) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS DGD(MAX) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_DGD_MIN_TCA: Interface [chars] reports OPTICS DGD(MIN) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS DGD(MIN) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_ESNR_MAX_ALARM: Interface [chars] alarms OPTICS ESNR(MAX) PM TCA with current value [dec], threshold [dec]`

Explanation Interface [char] alarms OPTICS ESNR(MAX) PM TCA with current value [number], threshold [number]

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_ESNR_MIN_ALARM: Interface [chars] alarms OPTICS ESNR(MIN) PM TCA with current value [dec], threshold [dec]`

Explanation Interface [char] alarms OPTICS ESNR(MIN) PM TCA with current value [number], threshold [number]

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_FREQ_OFF_MAX_TCA: Interface [chars] reports OPTICS FREQ_OFF(MAX) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval`

window

Explanation Interface [char] reports OPTICS FREQ_OFF(MAX) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_FREQ_OFF_MIN_TCA: Interface [chars] reports OPTICS FREQ_OFF(MIN) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS FREQ_OFF(MIN) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_LASER_TEMP_MAX_ALARM: Interface [chars] alarms OPTICS LASERTEMP(MAX) PM TCA with current value [dec], threshold [dec]`

Explanation Interface [char] alarms OPTICS LASERTEMP(MAX) PM TCA with current value [number], threshold [number]

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_LASER_TEMP_MIN_ALARM: Interface [chars] alarms OPTICS LASERTEMP(MIN) PM TCA with current value [dec], threshold [dec]`

Explanation Interface [char] alarms OPTICS LASERTEMP(MIN) PM TCA with current value [number], threshold [number]

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_LBC_MAX_ALARM: Interface [chars] alarms OPTICS LBC(MAX) PM TCA with current value [dec], threshold [dec]`

Explanation Interface [char] alarms OPTICS LBC(MAX) PM TCA with current value [number], threshold [number]

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_LBC_MAX_TCA: Interface [chars] reports OPTICS LBC(MAX) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS LBC(MAX) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_LBC_MIN_ALARM: Interface [chars] alarms OPTICS LBC(MIN) PM TCA with current value [dec], threshold [dec]`

Explanation Interface [char] alarms OPTICS LBC(MIN) PM TCA with current value [number], threshold [number]

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_LBC_MIN_TCA: Interface [chars] reports OPTICS LBC(MIN) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS LBC(MIN) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_OPR_MAX_TCA: Interface [chars] reports OPTICS OPR(MAX) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS OPR(MAX) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_OPR_MIN_TCA: Interface [chars] reports OPTICS OPR(MIN) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS OPR(MIN) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_OPT_MAX_TCA: Interface [chars] reports OPTICS OPT(MAX) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS OPT(MAX) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_OPT_MIN_TCA: Interface [chars] reports OPTICS OPT(MIN) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS OPT(MIN) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_OSNR_MAX_TCA: Interface [chars] reports OPTICS OSNR(MAX) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS OSNR(MAX) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_OSNR_MIN_ALARM: Interface [chars] alarms OPTICS OSNR(MIN) PM TCA with current value [dec], threshold [dec]`

Explanation Interface [char] alarms OPTICS OSNR(MIN) PM TCA with current value [number], threshold [number]

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_OSNR_MIN_TCA: Interface [chars] reports OPTICS OSNR(MIN) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS OSNR(MIN) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_PCR_MAX_TCA: Interface [chars] reports OPTICS PCR(MAX) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS PCR(MAX) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_PCR_MIN_TCA: Interface [chars] reports OPTICS PCR(MIN) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS PCR(MIN) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_PDL_MAX_TCA: Interface [chars] reports OPTICS PDL(MAX)`

PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window

Explanation Interface [char] reports OPTICS PDL(MAX) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message TPMON-2-TPMON_PM_OPTICS_PDL_MIN_TCA: Interface [chars] reports OPTICS PDL(MIN) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window

Explanation Interface [char] reports OPTICS PDL(MIN) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message TPMON-2-TPMON_PM_OPTICS_RXPWR_MAX_ALARM: Interface [chars] alarms OPTICS RXPWR(MAX) PM TCA with current value [dec], threshold [dec]

Explanation Interface [char] alarms OPTICS RXPWR(MAX) PM TCA with current value [number], threshold [number]

Recommended Action No action is required.

Error Message TPMON-2-TPMON_PM_OPTICS_RXPWR_MIN_ALARM: Interface [chars] alarms OPTICS RXPWR(MIN) PM TCA with current value [dec], threshold [dec]

Explanation Interface [char] alarms OPTICS RXPWR(MIN) PM TCA with current value [number], threshold [number]

Recommended Action No action is required.

Error Message TPMON-2-TPMON_PM_OPTICS_RX_SIG_POW_MAX_TCA: Interface [chars] reports OPTICS RX_SIG_POW(MAX) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window

Explanation Interface [char] reports OPTICS RX_SIG_POW(MAX) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message TPMON-2-TPMON_PM_OPTICS_RX_SIG_POW_MIN_TCA: Interface [chars] reports OPTICS RX_SIG_POW(MIN) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window

Explanation Interface [char] reports OPTICS RX_SIG_POW(MIN) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_SNR_MAX_TCA: Interface [chars] reports OPTICS SNR(MAX) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS SNR(MAX) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_SNR_MIN_TCA: Interface [chars] reports OPTICS SNR(MIN) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS SNR(MIN) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_SOPMD_MAX_TCA: Interface [chars] reports OPTICS SOPMD(MAX) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS SOPMD(MAX) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_SOPMD_MIN_TCA: Interface [chars] reports OPTICS SOPMD(MIN) PM TCA with current value [dec], threshold [dec] in current [dec]-[chars] interval window`

Explanation Interface [char] reports OPTICS SOPMD(MIN) PM TCA with current value [number], threshold [number] in current [number]-[char] interval window

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_TEMPERATURE_MAX_ALARM: Interface [chars] alarms OPTICS TEMPERATURE(MAX) PM TCA with current value [dec], threshold [dec]`

Explanation Interface [char] alarms OPTICS TEMPERATURE(MAX) PM TCA with current value [number], threshold [number]

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_TEMPERATURE_MIN_ALARM: Interface [chars] alarms OPTICS TEMPERATURE(MIN) PM TCA with current value [dec], threshold [dec]`

Explanation Interface [char] alarms OPTICS TEMPERATURE(MIN) PM TCA with current value [number], threshold [number]

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_VOLTAGE_MAX_ALARM: Interface [chars] alarms OPTICS VOLTAGE(MAX) PM TCA with current value [dec], threshold [dec]`

Explanation Interface [char] alarms OPTICS VOLTAGE(MAX) PM TCA with current value [number], threshold [number]

Recommended Action No action is required.

Error Message `TPMON-2-TPMON_PM_OPTICS_VOLTAGE_MIN_ALARM: Interface [chars] alarms OPTICS VOLTAGE(MIN) PM TCA with current value [dec], threshold [dec]`

Explanation Interface [char] alarms OPTICS VOLTAGE(MIN) PM TCA with current value [number], threshold [number]

Recommended Action No action is required.

TPMON-5

Error Message `TPMON-5-TPMON_DISABLED: TPMON Disabled`

Explanation TPMON Service Disabled

Recommended Action No action is required.

Error Message `TPMON-5-TPMON_ENABLED: TPMON Enabled`

Explanation TPMON Service nabled

Recommended Action No action is required.

TTYD Messages

This section contains the TTYD messages.

TTYD-2

Error Message `TTYD-2-TTYD_ERROR: TTYD Error [chars]`

Explanation Critical TTY daemon error.

Recommended Action No action is required.

Error Message `TTYD-2-TTYD_MTS: TTYD Message queue [dec] [chars]`

Explanation TTY daemon message error.

Recommended Action No action is required.

Error Message `TTYD-2-TTYD_SDWRAP: TTYD Debug Facility error [dec] [chars]`

Explanation TTY daemon Debug Facility failed.

Recommended Action No action is required.

TTYD-3

Error Message `TTYD-3-TTYD_MISC_ERROR: Error [chars] with error [chars]([hex])`

Explanation TTY daemon errors.

Recommended Action No action is required.

TTYD-4

Error Message `TTYD-4-TTYD_WARN: TTYD Warning [chars]`

Explanation TTY daemon warning.

Recommended Action No action is required.

TTYD-6

Error Message `TTYD-6-TTYD_MISC: TTYD [chars]`

Explanation The tty daemon miscellaneous message.

Recommended Action No action is required.

Error Message `TTYD-6-TTYD_PSS: TTYD Store error:[hex] [chars]`

Explanation Failed to store configuration for TTY service.

Recommended Action No action is required.

TUNNEL Messages

This section contains the TUNNEL messages.

TUNNEL-2

Error Message `TUNNEL-2-FEATURE_ENABLE_FAILED: failed to enable feature tunnel, reason [chars] (0x[hex])`

Explanation Failed to enable feature tunnel, reason [char] ([int])

Recommended Action Check the failure reason and take appropriate action to fix the failure. if unable to fix, please capture "show tech-support tunnel"

Error Message `TUNNEL-2-TM_F2_ONLY_VDC: Tunnel feature is not supported in F2 only VDC`

Explanation Tunnel feature is not supported in F2 only VDC

Recommended Action Disable the Tunnel feature by the CLI "no feature tunnel"

Error Message `TUNNEL-2-TRAFFIC_WARNING: GRE/IPinIP cannot coexist with 1Q tagged L2 bcast or 1Q tagged L2/L3 mcast transit packets on this platform`

Explanation Tunnel L2/L3 mcast transit packets egress issue on wolfridge platform

Recommended Action No action is required.

Error Message `TUNNEL-2-TUNNEL_INTF_STATE_UPDATE: Interface [chars] is down reason ([chars])`

Explanation Interface [char] is down reason [char]

Recommended Action No action is required.

Error Message `TUNNEL-2-UNSUPPORTED_TUNNEL_TYPE: Failed to create interface [chars] due to unsupported-tunnel type`

Explanation Current tunnel type is not supported in this release

Recommended Action No action is required.

TUNNEL-3

Error Message `TUNNEL-3-HW_PROGRAMMING_FAILED: for [chars], reason [chars]`

Explanation Hardware programming failed for tunnel [num] interface

Recommended Action Try 'shutdown' and 'no shutdown' under tunnel interface submode after sometime. if still tunnel interface doesn't come up capture show tech-support tunnel to identify the issue

TUNNEL-4

Error Message `TUNNEL-4-TM_DF_PROGRAMMING_FAILED: [chars] DF(dont fragment) programming failed! status 0x[hex]`

Explanation [chars] DF programming failed! status [int]

Recommended Action Capture "show tech-support tunnel " to identify why df flag programing failed

Error Message `TUNNEL-4-TM_DF_PROGRAMMING: Programming [chars] DF(dont fragment) df.sel [dec] df.val [dec]`

Explanation Programming [chars] DF df.sel [int] df.val [int]

Recommended Action No action is required.

Error Message `TUNNEL-4-TM_MTU_PROGRAMMING_FAILED: [chars] mtu [dec] programming failed! status 0x[hex]`

Explanation [chars] mtu [int] programming failed! status [int]

Recommended Action Capture show "tech-support tunnel" to identify why MTU programming as failed. tunnel interface will used default mtu value

Error Message `TUNNEL-4-TM_MTU_PROGRAMMING: Programming [chars] mtu [dec]...`

Explanation Programming [chars] mtu [int]

Recommended Action No action is required.

TUNNEL-5

Error Message `TUNNEL-5-IF_CLEAR_COUNTER: Interface [chars] counters is cleared`

Explanation Interface [char] counters is cleared

Recommended Action No action is required.

Error Message `TUNNEL-5-IF_CREATED: Interface [chars] is created`

Explanation Interface [char] is created

Recommended Action No action is required.

Error Message `TUNNEL-5-IF_CREATE_FAILED: Interface [chars] creation failed due to [Ox[hex]] [chars]`

Explanation Interface [char] is creation failed due to [int] [char]

Recommended Action No action is required.

Error Message `TUNNEL-5-IF_DELETED: Interface [chars] is deleted`

Explanation Interface [char] is deleted

Recommended Action No action is required.

Error Message `TUNNEL-5-IF_STATE_UPDATE: Interface [chars] is [chars] reason [chars]`

Explanation Interface [char] is [char] reason [char]

Recommended Action No action is required.

Error Message `TUNNEL-5-PPF_SESSION_FAILED: session id [hex] type [chars] for [chars] failed error [hex] [chars]`

Explanation Session id [int] type [char] for [char] failed error [int] [char]

Recommended Action No action is required.

Error Message `TUNNEL-5-TM_DISABLED: Tunnel Disabled`

Explanation Tunnel Service Disabled

Recommended Action No action is required.

Error Message `TUNNEL-5-TM_ENABLED: Tunnel Enabled`

Explanation Tunnel Service Enabled

Recommended Action No action is required.

TUNNEL-7

Error Message `TUNNEL-7-TM_INFO: [chars]`

Explanation Tunnel Service info

Recommended Action No action is required.

TUN_ENC_MGR Messages

This section contains the TUN_ENC_MGR messages.

TUN_ENC_MGR-3

Error Message `TUN_ENC_MGR-3-TEM_PPF_FAIL: Error during PPF operation: [chars]`

Explanation Failed to do PPF operation. [chars] explains the reason for the failure.

Recommended Action No action is required.

TUN_ENC_MGR-5

Error Message `TUN_ENC_MGR-5-TEM_MSG_BUFFER_LIMIT_EXCEEDED: Tunnel-Encryption - BGP buffer limit exceeded 4096 bytes. Reduce scale as per configuration guide.`

Explanation Tunnel-Encryption buffer limit exceeded

Recommended Action No action is required.

Error Message `TUN_ENC_MGR-5-TEM_PEER_CERT_VERIFY_FAILED: Tunnel-Encryption Peer certificate verification failed for peer: [chars] Reason: [chars]. No rekeys will be done.`

Explanation Peer Cert verify failed

Recommended Action No action is required.

Error Message `TUN_ENC_MGR-5-TEM_RX_SESSION_SECURED: Tunnel-Encryption Rx session SECURED: peer: [chars]`

Explanation Peer is Tunnel-Encryption secured.(Rx)

Recommended Action No action is required.

Error Message `TUN_ENC_MGR-5-TEM_RX_SESSION_UNSECURED: Tunnel-Encryption Rx session UNSECURED: peer: [chars]`

Explanation Peer is Tunnel-Encryption unsecured.(Rx)

Recommended Action No action is required.

Error Message `TUN_ENC_MGR-5-TEM_SELF_CERT_VERIFY_FAILED: Tunnel-Encryption Self certificate verification failed. Reason: [chars]. No rekeys will be done.`

Explanation Self Cert verify failed

Recommended Action No action is required.

Error Message `TUN_ENC_MGR-5-TEM_TX_SESSION_SECURED: Tunnel-Encryption Tx session SECURED: peer: [chars]`

Explanation Peer is Tunnel-Encryption secured.(Tx)

Recommended Action No action is required.

Error Message `TUN_ENC_MGR-5-TEM_TX_SESSION_UNSECURED: Tunnel-Encryption Tx session UNSECURED: peer: [chars]`

Explanation Peer is Tunnel-Encryption unsecured.(Tx)

Recommended Action No action is required.

U2RIB Messages

This section contains the U2RIB messages.

U2RIB-2

Error Message `U2RIB-2-IPC_PROCESSING_ERR: Error in processing IPC message : Opcode = [dec], Error code = 0x[hex]`

Explanation U2RIB encountered an error in processing an MTS message. The error and message are specified in the error message

Recommended Action No action is required.

Error Message `U2RIB-2-U2RIB_INIT: U2RIB initialization of [chars] [chars]`

Explanation U2RIB initialization failed

Recommended Action Please contact the Cisco reseller through which you procured the product for support. If you have purchased a Cisco support contract please call Cisco TAC for support.

U2RIB-3

Error Message `U2RIB-3-U2RIB_LBL_SELECT_ERROR: Error in predicting the load-balance selection, error code = 0x[hex], [chars]`

Explanation Error in processing or communicating with hardware

Recommended Action No action is required.

Error Message `U2RIB-3-U2RIB_LD_BLNCE_ERROR: Error in config. lb parameters using the DCEFIB Library, error code = 0x[hex], [chars]`

Explanation Error while communicating with the dcefib library

Recommended Action No action is required.

U2RIB-5

Error Message `U2RIB-5-U2RIB_DISABLED: U2RIB Disabled`

Explanation U2RIB Service Disabled

Recommended Action No action is required.

Error Message `U2RIB-5-U2RIB_ENABLED: U2RIB Enabled`

Explanation U2RIB Service enabled

Recommended Action No action is required.

U2RIB-6

Error Message `U2RIB-6-STATE_CREATED: Internal state created [chars]`

Explanation U2RIB has created its internal state stateless/stateful [chars].

Recommended Action No action is required.

UDLD Messages

This section contains the UDLD messages.

UDLD-3

Error Message `UDLD-3-IDB_ERROR: UDLD error handling [chars] interface: [chars]`

Explanation A softare error occurred in UDLD processing associated with a specific interface.

Recommended Action LOG_STD_SH_TECH_ACTION

Error Message `UDLD-3-MSG_SEND_FAILURE: failed to send [chars] to sap [dec]: [chars]`

Explanation Failed to send a message

Recommended Action LOG_STD_SH_TECH_ACTION

Error Message `UDLD-3-UDLD_INTERNAL_ERROR: UDLD internal error: [chars]`

Explanation A softare sanity check failed in the course of UDLD processing.

Recommended Action LOG_STD_SH_TECH_ACTION

Error Message `UDLD-3-UDLD_INTERNAL_IF_ERROR: UDLD internal error, interface [chars]: [chars]`

Explanation A softare sanity check failed in the course of UDLD processing.

Recommended Action LOG_STD_SH_TECH_ACTION

UDLD-4

Error Message `UDLD-4-UDLD_GWRAP_COUNT: UDLD gwrap count is [dec], please log a 'show tech udld' for detail info.`

Explanation UDLD gwrap count reached high level, show tech udld is needed to debug it.

Recommended Action LOG_STD_SH_TECH_ACTION

Error Message `UDLD-4-UDLD_NEIGHBOR_MISMATCH: UDLD neighbor mismatch detected, exp: [chars], rec [chars]. Please collect debug info using: http://wikicentral.cisco.com/confluence/display/KGP/UDLD+debug`

Explanation An interface will be disabled because UDLD protocol detected a nieghbor mismatch condition on the interface indicated. Cause is likely due to bad interface hardware or cable misconfiguration. User should investigate.

Recommended Action LOG_STD_SH_TECH_ACTION

Error Message `UDLD-4-UDLD_PORT_DISABLED: Interface [chars], link error detected: [chars]. Please collect debug info using: http://wikicentral.cisco.com/confluence/display/KGP/UDLD+debug`

Explanation An interface was disabled because UDLD protocol detected the cause on the interface indicated. Cause is likely due to bad interface hardware or cable misconfiguration. User should investigate.

Recommended Action LOG_STD_SH_TECH_ACTION

Error Message `UDLD-4-UDLD_PORT_RESET: UDLD reset interface [chars]`

Explanation A port which had been disabled for UDLD has been reset.

Recommended Action LOG_STD_SH_TECH_ACTION

Error Message `UDLD-4-UDLD_SFP_TYPE_CHANGED: User changed SFP type on [chars] from [chars] to [chars], default udld port configuration was applied, 'copy running-config startup-config' recommended`

Explanation SFP type was changed on this interface, all user modified configuration will be reverted back to the default config.

Recommended Action No action is required.

UDLD-5

Error Message `UDLD-5-UDLD_AGGRESSIVE: UDLD Aggressive`

Explanation UDLD Service Aggressive

Recommended Action No action is required.

Error Message `UDLD-5-UDLD_DISABLED: UDLD Disabled`

Explanation UDLD Service Disabled

Recommended Action No action is required.

Error Message `UDLD-5-UDLD_ENABLED: UDLD Enabled`

Explanation UDLD Service Enabled

Recommended Action No action is required.

UFDM Messages

This section contains the UFDM messages.

UFDM-2

Error Message `UFDM-2-FIB_ROUTE_UPDATE_ERR: Route update error from slot [dec] FIB`

Explanation FIB returned route update error. Collect show tech-support forwarding l3 unicast for futher analysis.

Recommended Action No action is required.

Error Message `UFDM-2-INTERNAL_ERROR: Internal error: [chars], collect output of show tech-support fowarding l3 unicast... command`

Explanation UFDM hit a internal error. Collect show tech-support forwarding l3 unicast for futher analysis.

Recommended Action No action is required.

Error Message `UFDM-2-PROACTIVE_CC_CODE_HIT: Error: Proactive CC code hit in ufdm`

Explanation Proactive_cc feature is not enabled The respective code should not get hit

Recommended Action No action is required.

Error Message `UFDM-2-TCAM_INGRESS_ARP_ETHER_NOT_CONFIGURED: Warning: TCAM region for Ingress ARP-Ether is not configured.`

Explanation Warning: TCAM region for Ingress ARP-Ether is not configured. VXLAN L3 gateway

requires this tcam region. Please configure it.

Recommended Action No action is required.

Error Message `UFDM-2-VXLAN_L3_CONFIG_REACHED_SCALE_LIMIT: VxLAN L3 config reached scale limit Total VXLAN L3 interfaces [dec] (Max Supported [dec])`

Explanation VxLAN L3 config reached scale limit

Recommended Action No action is required.

UFDM-3

Error Message `UFDM-3-FIB_IPv4_ADJ_CONSISTENCY_CHECKER_FAIL: FIB IPv4 adjacency consistency checker FAILED on slot [chars]`

Explanation FIB Ipv4 adjacency consistency checker Failed. Adjacency database is inconsistent with hardware

Recommended Action No action is required.

Error Message `UFDM-3-FIB_IPv4_ADJ_CONSISTENCY_CHECKER_PASS: FIB IPv4 adjacency consistency checker PASSED on slot [chars]`

Explanation FIB Ipv4 adjacency consistency checker passed. Adjacency database is consistent with hardware

Recommended Action No action is required.

Error Message `UFDM-3-FIB_IPv4_CONSISTENCY_CHECKER_TIMEDOUT: FIB IPv4 consistency checker timedout on slot [chars]`

Explanation FIB Ipv4 route/adjacency consistency checker couldnot complete

Recommended Action No action is required.

Error Message `UFDM-3-FIB_IPv4_ROUTE_CONSISTENCY_CHECKER_FAIL: FIB IPv4 consistency checker FAILED on slot [chars]`

Explanation FIB Ipv4 route consistency checker Failed. Route database is consistent with hardware

Recommended Action No action is required.

Error Message `UFDM-3-FIB_IPv4_ROUTE_CONSISTENCY_CHECKER_PASS: FIB IPv4 route consistency checker PASSED on slot [chars]`

Explanation FIB Ipv4 route consistency checker Passed. Route database is consistent with hardware

Recommended Action No action is required.

Error Message `UFDM-3-FIB_IPv6_ADJ_CONSISTENCY_CHECKER_FAIL: FIB IPv6 consistency checker FAILED on slot [chars]`

Explanation FIB Ipv6 adjacency consistency checker failed. Adjacency database is inconsistent with hardware

Recommended Action No action is required.

Error Message `UFDM-3-FIB_IPv6_ADJ_CONSISTENCY_CHECKER_PASS: FIB IPv6 consistency checker PASSED on slot [chars]`

Explanation FIB Ipv6 adjacency consistency checker passed. Adjacency database is consistent with hardware

Recommended Action No action is required.

Error Message `UFDM-3-FIB_IPv6_CONSISTENCY_CHECKER_TIMEDOUT: FIB IPv6 consistency checker timed out on slot [chars]`

Explanation FIB Ipv6 route/adjacency consistency checker couldnt complete

Recommended Action No action is required.

Error Message `UFDM-3-FIB_IPv6_ROUTE_CONSISTENCY_CHECKER_FAIL: FIB IPv6 route consistency checker FAILED on slot [chars]`

Explanation FIB Ipv6 route consistency checker failed. Route database is inconsistent with hardware

Recommended Action No action is required.

Error Message `UFDM-3-FIB_IPv6_ROUTE_CONSISTENCY_CHECKER_PASS: FIB IPv6 route consistency checker PASSED on slot [chars]`

Explanation FIB Ipv6 route consistency checker didnot detect. Route software database is consistent with hardware

Recommended Action No action is required.

Error Message `UFDM-3-PROACTIVE_CC_INCONSISTENCY_FOUND: Inconsistencies found in Proactive CC session`

Explanation Inconistencies found in the forwarding table while proactive CC was running

Recommended Action Run: show forwarding proactive-cc inconsistencies \n show forwarding proactive-cc inconsistencies all

Error Message `UFDM-3-UFDM_PRO_CC_SESSION_TIMEDOUT: Proactive CC session timedout. Aborting session. CC state [chars] Type [dec]`

Explanation Proactive CC end session not received. session timedout Client might be stuck. Restarting the session

Recommended Action No action is required.

UFDM-5

Error Message `UFDM-5-DNLD_TIMEDOUT: Download timer expired: [chars]`

Explanation UFDM download timer expired. Collect show tech-support forwarding l3 unicast for futher analysis.

Recommended Action No action is required.

UFDM-6

Error Message `UFDM-6-FIB_IPv4_CONSISTENCY_CHECKER_START: FIB IPv4 consistency checker started on slot [chars]`

Explanation FIB Ipv4 route/adjacency consistency checker has been started

Recommended Action No action is required.

Error Message `UFDM-6-FIB_IPv4_CONSISTENCY_CHECKER_STOP: FIB IPv4 consistency checker stopped on slot [chars]`

Explanation FIB Ipv4 route/adjacency consistency checker has been stopped

Recommended Action No action is required.

Error Message `UFDM-6-FIB_IPv6_CONSISTENCY_CHECKER_START: FIB IPv6 consistency checker started on slot [chars]`

Explanation FIB Ipv6 route/adjacency consistency checker has been started

Recommended Action No action is required.

Error Message `UFDM-6-FIB_IPv6_CONSISTENCY_CHECKER_STOP: FIB IPv6 consistency checker stopped`

on slot [chars]

Explanation FIB Ipv6 route/adjacency consistency checker has been stopped

Recommended Action No action is required.

VDC_MGR Messages

This section contains the VDC_MGR messages.

VDC_MGR-2

Error Message VDC_MGR-2-VDC_CRITICAL: vdc_mgr has hit a critical error: [chars]

Explanation Vdc_mgr has hit a critical error

Recommended Action A critical error has been hit within vdc_mgr. Please check show vdc to determine the state of the vdcs

Error Message VDC_MGR-2-VDC_LIC_WARN_EXP: WARNING License for vdcs is about to expire! VDCs will be deleted if license is allowed to expire

Explanation VDC license is close to expire

Recommended Action Please contact your sales representative to obtain a license

Error Message VDC_MGR-2-VDC_LIC_WARN: Service using grace period will be shutdown in [dec] day(s)

Explanation The license for vdcs is not installed and currently running in the grace period

Recommended Action Vdcs will continue to work within the grace period, but obtaining a license is reccomended

Error Message VDC_MGR-2-VDC_OFFLINE: vdc [dec] is now offline

Explanation The vdc has been shut down. Either it has been deleted or has just completed ungraceful cleanup

Recommended Action If the vdc was deleted, no action is necessary. Otherwise vdc_mgr may attempt to recreate it according to the ha-policy that has been set

Error Message VDC_MGR-2-VDC_ONLINE: vdc [dec] has come online

Explanation Vdc_mgr has finished creating a vdc and it is ready to use

Recommended Action No action is required.

Error Message `VDC_MGR-2-VDC_UNALLOCATED: Module [dec] is unsupported by the current vdc and some of its ports have been placed in the unallocated pool.`

Explanation The module is of a type unsupported by the current vdc. You can see port membership by \'show vdc membership\' and check the current vdc\'s configuration via \'show vdc\'

Recommended Action Allocate interfaces to a vdc that supports this module type or change the current vdc to support this module type via the \'limit-resource module-type\' command

Error Message `VDC_MGR-2-VDC_UNGRACEFUL: vdc_mgr: Ungraceful cleanup request recieved for vdc [dec], restart count for this vdc is [dec] restarts within the last 5 minutes`

Explanation Vdc_mgr has begun ungraceful cleanup for a vdc

Recommended Action There has been a failure within the vdc and vdc_mgr has begun the cleanup process. Use show vdc to determine its state

VDC_MGR-3

Error Message `VDC_MGR-3-VDC_ERROR: vdc_mgr: [chars]`

Explanation Vdc_mgr has recieved bad data but will try to continue

Recommended Action Vdc_mgr will attempt to correct the error at hand

VDC_MGR-5

Error Message `VDC_MGR-5-VDC_ADMIN_VDC_CHANGE: vdc_mgr: Admin-vdc mode has been [chars]`

Explanation The admin-vdc mode has been changed

Recommended Action No action is required.

Error Message `VDC_MGR-5-VDC_DELETED: vdc_mgr: vdc [dec] has been deleted`

Explanation The vdc with id listed no longer exists

Recommended Action No action is required.

Error Message `VDC_MGR-5-VDC_FCOE_VLAN_ADD: vdc_mgr: vlans [chars] has been shared to this vdc`

Explanation Vlans have been shared to this fcoe vdc

Recommended Action No action is required.

Error Message `VDC_MGR-5-VDC_FCOE_VLAN_DELETE: vdc_mgr: vlans [chars] has been unshared from this vdc`

Explanation Vlans have been unshared from this fcoe vdc

Recommended Action No action is required.

Error Message `VDC_MGR-5-VDC_FEATURESET_ALLOW: vdc_mgr: Feature-set [chars] can now be used in this vdc`

Explanation Allowed feature-set config has changed

Recommended Action No action is required.

Error Message `VDC_MGR-5-VDC_FEATURESET_DISALLOW: vdc_mgr: Feature-set [chars] is now disallowed in this vdc`

Explanation Allowed feature-set config has changed

Recommended Action No action is required.

Error Message `VDC_MGR-5-VDC_HOSTNAME_CHANGE: vdc [dec] hostname changed to [chars]`

Explanation Host name for a vdc has changed.

Recommended Action No action is required.

Error Message `VDC_MGR-5-VDC_MEMBERSHIP_ADD: vdc_mgr: Interface [chars] has been added to this vdc`

Explanation A new interface has been added to this vdc

Recommended Action No action is required.

Error Message `VDC_MGR-5-VDC_MEMBERSHIP_DELETE: vdc_mgr: Interface [chars] has been removed from this vdc`

Explanation A new interface has been removed from this vdc

Recommended Action No action is required.

Error Message `VDC_MGR-5-VDC_MODULETYPE: vdc_mgr: Module type changed to [chars]`

Explanation This vdc has been changed to support only the the type of modules listed

Recommended Action No action is required.

Error Message `VDC_MGR-5-VDC_SH_MEMBERSHIP_ADD: vdc_mgr: Interface [chars] has been shared to this vdc`

Explanation A new interface has been shared to this vdc

Recommended Action No action is required.

Error Message `VDC_MGR-5-VDC_SH_MEMBERSHIP_DELETE: vdc_mgr: Interface [chars] has been unshared from this vdc`

Explanation A new interface has been unshared from this vdc

Recommended Action No action is required.

Error Message `VDC_MGR-5-VDC_STATE_CHANGE: vdc [dec] state changed to [chars]`

Explanation A vdc state change has happened. This is most likely due to a configuration change.

Recommended Action No action is required.

Error Message `VDC_MGR-5-VDC_SWMODULETYPE: vdc_mgr: System Module type changed to [chars]`

Explanation This switch has been changed to support only the the type of modules listed

Recommended Action No action is required.

VLAN_MGR Messages

This section contains the VLAN_MGR messages.

VLAN_MGR-2

Error Message `VLAN_MGR-2-CRITICAL_MSG: [chars]`

Explanation VLAN Manager Critical Message

Recommended Action No action is required.

Error Message `VLAN_MGR-2-FABRIC_DYNAMIC_CORE_VLAN_RANGE_REMOVED: Fabric dynamic and core VLAN ranges removed. Please delete VLANs [chars] in the ranges`

Explanation VLAN Manager Core VLAN Range Removal Message

Recommended Action No action is required.

Error Message `VLAN_MGR-2-VLAN_DELETE_FAILED_RSN_BD_EXIST: VTP request to delete VLAN(s) [chars] could not be processed. Bridge Domains exist for VLANs [chars]`

Explanation VLAN delete failed since Bridge Domains Exist

Recommended Action No action is required.

Error Message `VLAN_MGR-2-VLAN_MGR_SENDING_STP_WITH_MODE_CHANGE_1: Vlan_mgr: sending stp with mode change - 1`

Explanation VLAN Manager is sending STP with mode change - 1

Recommended Action No action is required.

Error Message `VLAN_MGR-2-VLAN_MGR_VLAN_NOT_PRESENT: Dynamic VLAN [dec] is not configured, please check vlan global configuration!`

Explanation VLAN Manager failed to bring up Dynamic VLAN Message

Recommended Action No action is required.

VLAN_MGR-3

Error Message `VLAN_MGR-3-ERROR_MSG: [chars]`

Explanation VLAN manager error

Recommended Action No action is required.

Error Message `VLAN_MGR-3-VLAN_MGR_DVLAN_FAILED_UP: Dynamic VLAN [dec] failed to be up! err:0x[hex]:[chars]`

Explanation VLAN Manager failed to bring up Dynamic VLAN Message

Recommended Action No action is required.

Error Message `VLAN_MGR-3-VLAN_MGR_VLAN_NOT_ACTIVE: Dynamic VLAN [dec] is not active, please check configuration!`

Explanation VLAN Manager failed to bring up Dynamic VLAN Message

Recommended Action No action is required.

VLAN_MGR-4

Error Message `VLAN_MGR-4-WARN_MSG: [chars]`

Explanation VLAN manager warning

Recommended Action No action is required.

VLAN_MGR-5

Error Message `VLAN_MGR-5-NOTIF_MSG: [chars]`

Explanation VLAN Manager Notification Message

Recommended Action No action is required.

Error Message `VLAN_MGR-5-RESERVED_VLAN_RANGE_CHANGED: New Reserved VLAN Range Configured From VLAN [dec] to VLAN [dec]`

Explanation VLAN Manager Reserved VLAN Reconfiguration Message

Recommended Action No action is required.

Error Message `VLAN_MGR-5-VLAN_MGR_DVLAN_TEARDOWN: Dynamic VLAN [dec] is teared down by dot1x for interface 0x[hex] !`

Explanation VLAN Manager has Dynamic VLAN torn down Message

Recommended Action No action is required.

Error Message `VLAN_MGR-5-VLAN_MGR_DVLAN_UP: Dynamic VLAN [dec] is up for interface 0x[hex] !`

Explanation VLAN Manager has Dynamic VLAN up Message

Recommended Action No action is required.

VLAN_MGR-6

Error Message `VLAN_MGR-6-INFO_MSG: [chars]`

Explanation VLAN manager info

Recommended Action No action is required.

Error Message `VLAN_MGR-6-VLAN_CREATED: VLAN [dec], created`

Explanation VLAN created

Recommended Action No action is required.

Error Message `VLAN_MGR-6-VLAN_MGR_STATEFULL_RESTART: VLAN Manager statefull restart`

Explanation VLAN Manager statefull restart

Recommended Action No action is required.

Error Message `VLAN_MGR-6-VLAN_MGR_STATELESS_RESTART: VLAN Manager stateless restart`

Explanation VLAN Manager stateless restart

Recommended Action No action is required.

Error Message `VLAN_MGR-6-VLAN_OPER_STATUS_CHG: VLAN [dec], status changed to [chars]`

Explanation VLAN operational state change

Recommended Action No action is required.

VMTRACKER Messages

This section contains the VMTRACKER messages.

VMTRACKER-2

Error Message `VMTRACKER-2-VMTRACKER_CONNECTION_ISSUE: Problem with connection: [chars]`

Explanation Connection problem

Recommended Action Problem with connection. Try "no connect"; "connect"

Error Message `VMTRACKER-2-VMTRACKER_HMM_REGISTRATION_FAIL: [chars]`

Explanation HMM Registration error

Recommended Action No action is required.

Error Message `VMTRACKER-2-VMTRACKER_TRUNK_MODE_WARN: Interface [chars] is used by VMTracker. Changing it back to TRUNK mode.`

Explanation Port trunk mode warning message

Recommended Action Do not change port mode when it is used by VMTracker. To change the mode, disable VMTracker on the interface first.

VMTRACKER-3

Error Message `VMTRACKER-3-VMTRACKER_SOAP_ERR: Soap Err:[chars]`

Explanation Soap Call failure message

Recommended Action No action is required.

VMTRACKER-4

Error Message `VMTRACKER-4-VMTRACKER_HMM_TRIGGER_FAIL: auto-config trigger failure, vlan [dec] [chars]`

Explanation HMM Request error

Recommended Action No action is required.

Error Message `VMTRACKER-4-VMTRACKER_SOAP_WARN: Soap Warn:[chars]`

Explanation Soap Call warning message

Recommended Action No action is required.

VMTRACKER-5

Error Message `VMTRACKER-5-VMTRACKER_CONFIG_VLAN: [chars]`

Explanation Vlan configuration message

Recommended Action No action is required.

Error Message `VMTRACKER-5-VMTRACKER_CREATE_VLAN: Vlan Created: [chars]`

Explanation Vlan addition message

Recommended Action No action is required.

Error Message `VMTRACKER-5-VMTRACKER_DISABLED: Service Disabled`

Explanation Service Disabled

Recommended Action No action is required.

Error Message `VMTRACKER-5-VMTRACKER_ENABLED: Service Enabled`

Explanation Service enabled

Recommended Action No action is required.

Error Message `VMTRACKER-5-VMTRACKER_MESSAGE: [chars]`

Explanation Generic message

Recommended Action No action is required.

Error Message `VMTRACKER-5-VMTRACKER_REMOVE_VLAN: Vlan Removed: [chars]`

Explanation Vlan deletion message

Recommended Action No action is required.

VNI Messages

This section contains the VNI messages.

VNI-2

Error Message `VNI-2-ALLOC_MEMORY: Memory allocation failed`

Explanation The service failed to allocate a block of dynamic memory.

Recommended Action No action is required.

VNI-3

Error Message `VNI-3-INIT_FAILED: Initialization failed. Component [chars]`

Explanation The service failed to start. The failure occurred while initializing the component [chars].

Recommended Action Show processes to check the status of the other processes, debug the specified component.

VNI-6

Error Message `VNI-6-INTERFACE_EVENT: VSAN interface [chars] [chars]`

Explanation The specified VSAN Interface has been successfully [chars].

Recommended Action No action is required.

Error Message `VNI-6-STARTING: Virtual Network Interface Manager started`

Explanation The service has successfully started.

Recommended Action No action is required.

Error Message `VNI-6-VSAN_DELETED: VSAN [dec] has been deleted`

Explanation The specified VSAN has been deleted. The service will delete all the configuration on that VSAN.

Recommended Action No action is required.

VPC Messages

This section contains the VPC messages.

VPC-2

Error Message `VPC-2-L3_VPC_UNEQUAL_WEIGHT: Layer3 peer-router is enabled. Please make sure both vPC peers have the same L3 routing configuration`

Explanation Unequal weight routing is not supported when layer3 peer-router is enabled

Recommended Action No action is required.

Error Message `VPC-2-PEER_KEEP_ALIVE_RECV_FAIL: In domain [dec], VPC peer keep-alive receive has failed`

Explanation Peer keep-alive receive failed

Recommended Action No action is required.

Error Message `VPC-2-PEER_KEEP_ALIVE_SEND_FAIL: In domain [dec], VPC peer keep-alive send has failed`

Explanation Peer keep-alive send failed

Recommended Action No action is required.

Error Message `VPC-2-PEER_VPC_RESP_TIMEDOUT: Failed to receive response from peer for vPC: [dec]`

Explanation VPC bringup failed

Recommended Action No action is required.

Error Message `VPC-2-TRACK_INTFS_DOWN: In domain [dec], vPC tracked interfaces down, suspending all vPCs and keep-alive`

Explanation VPC tracked object down

Recommended Action No action is required.

Error Message `VPC-2-VPCCONFIG_ON_FPC: A green start is a must after ISSU for VPC config on FPC(0x[hex]) for AA-FEX bringup. Please ignore if you already reloaded the switch after upgrading to version >= 7.0.3(I5)2`

Explanation Green start (post ISSU) is a must to ensure programming correctness before configuring AA-FEXes

Recommended Action No action is required.

Error Message `VPC-2-VPCM_FEATURE_ENABLE_FAILED: Enabling of vPCM Service failed. Please disable feature Flexlink first.`

Explanation Enabling of vPCM Service failed

Recommended Action No action is required.

Error Message `VPC-2-VPC_ADD_L3_BKUP_VLAN_TO_PEER_GW_EXCLUDE_LIST: Exclude L3 backup routing VLAN from vpc peer-gateway config.`

Explanation Triggered when peer-link is F1 and peer-gateway is configured without exclude-vlan list.

Recommended Action No action is required.

Error Message `VPC-2-VPC_CORE_PORT_FPATH_BUP_FAILED: Failed to bring up vPC+ peer link port [chars] in Fabric Path Port Mode - vPC+ Fabric Path switch ID not configured`

Explanation VPC+ Failed to bringup peer-link - switch-ID not configured

Recommended Action No action is required.

Error Message `VPC-2-VPC_ES_FAILED_LID_ALLOC: Failed to negotiate common LID between vPC peers.`

Explanation Failed to find common lid.

Recommended Action No action is required.

Error Message `VPC-2-VPC_ES_FAILED_PEERLINK_DOWN: vPC+ operations failed. Bringing down peer-link.`

Explanation Triggered in mcecm_em_es_failed. Bring down peer-link.

Recommended Action No action is required.

Error Message `VPC-2-VPC_ES_PEER_LINK_OPERATION_FAILED: Peer-link operation failed due to SAP [dec].`

Explanation Triggered in mcecm_cfg_es_failed when peer-link bringup fails.

Recommended Action No action is required.

Error Message `VPC-2-VPC_GRACEFUL_SUSP_ALL_VPC: Operational graceful type-1 check state changed, reinitiating all vPCs`

Explanation Graceful state change,reinit vPCs

Recommended Action No action is required.

Error Message `VPC-2-VPC_ISSU_END: Peer vPC switch ISSU end, unlocking configuration`

Explanation Peer vPC switch issu end

Recommended Action No action is required.

Error Message `VPC-2-VPC_ISSU_START: Peer vPC switch ISSU start, locking configuration`

Explanation Peer vPC switch issu start

Recommended Action No action is required.

Error Message `VPC-2-VPC_LC_FAIL: LC [dec] does not support required hardware for vPC; run 'show vdc membership status' for port status`

Explanation Lc insertion failed

Recommended Action No action is required.

Error Message `VPC-2-VPC_NON_DEF_LID: vPC+ negotiated non-default local id. Flapping orphan edge ports recommended.`

Explanation Triggered in mcecm_em_es_failed. Bring down peer-link.

Recommended Action No action is required.

Error Message `VPC-2-VPC_PEER_LINK_FPATH_BUP_FAILED: Failed to bring up vPC+ peer link port [chars] - port [chars] is not configured as a Fabric Path port`

Explanation VPC+ Failed to bringup Peer-link - not in Fabric Path mode

Recommended Action No action is required.

Error Message `VPC-2-VPC_PSS_ERROR: [chars], 0x([hex]) present in VPC DB but not is IM DB`

Explanation Triggered when vpc DB and IM SDB are inconsistent

Recommended Action No action is required.

Error Message `VPC-2-VPC_RC_CLEANUP_FAILURE_NEED_REINIT_MCT: vPC role change cleanup has encountered a failure. Please reinit peer-link to recover. Error: [chars]`

Explanation VPC RC failure, need to reinit peer-link

Recommended Action No action is required.

Error Message `VPC-2-VPC_RC_FAILURE_NEED_REINIT_MCT: vPC role change has encountered a failure, can not clean up. Please reinit peer-link to recover. Error: [chars]`

Explanation VPC RC failure, need to reinit peer-link

Recommended Action No action is required.

Error Message `VPC-2-VPC_RC_INIT_FAILURE_MCT_CMPT_FAIL: Can't perform role change since there are type-1 check failures on peer-link at peer side.`

Explanation VPC RC failure, due to cmpt failed on peer-link at peer side

Recommended Action No action is required.

Error Message `VPC-2-VPC_RC_INIT_FAILURE_PEER_CMPT_FAIL: Can't perform role change since there are vpc legs with type-1 check failure at peer side.`

Explanation VPC RC failure, due to cmpt failed vpcs at peer side

Recommended Action No action is required.

Error Message `VPC-2-VPC_RC_INIT_FAILURE_UNFINISHED_RC: Can't perform role change since there is another unfinished role change request on either local or peer side. Please wait until it is finished.`

Explanation VPC RC failure, due to an unfinished RC

Recommended Action No action is required.

Error Message `VPC-2-VPC_ROLE_CHANGE_NOTIFICATION: VPC role is changed from [chars] to [chars]`

Explanation VPC role is changed

Recommended Action No action is required.

Error Message `VPC-2-VPC_SHUTDOWN: vPC shutdown status is [chars]`

Explanation VPC shutdown status change

Recommended Action No action is required.

Error Message `VPC-2-VPC_STATE_CHANGE_ON_PEER_ISSU: VPC [dec] state transition happened during peer ISSU, please shut and no shut the VPC PO on both the Switches`

Explanation VPC state change during peer on ISSU, check the HW programming on both the switches

Recommended Action No action is required.

Error Message `VPC-2-VPC_SUSP_ALL_VPC: Peer-link going down, suspending all vPCs on secondary.`

If vfc is bound to vPC, then only ethernet vlans of that VPC shall be down.

Explanation Peer link down suspend vPCs

Recommended Action No action is required.

Error Message VPC-2-VPC_SVI_EXCLUDE: vPC [dec] has up vlans [chars] which are excluded from suspension on dual-active

Explanation VPC track object deconfigured

Recommended Action No action is required.

VPC-3

Error Message VPC-3-FEX_AA_NO_SUPPPORT: FEX AA not supported

Explanation FEX AA not supported

Recommended Action No action is required.

Error Message VPC-3-GLOBAL_CONSISTENCY_FAILED: In domain [dec], global configuration is not consistent ([chars])

Explanation Global compat-check failed

Recommended Action No action is required.

Error Message VPC-3-INTF_CONSISTENCY_FAILED: In domain [dec], VPC [dec] configuration is not consistent ([chars])

Explanation MCEC compat-check failed

Recommended Action No action is required.

Error Message VPC-3-PEER_UNREACHABLE: Remote Switch Unreachable

Explanation Peer unreachable

Recommended Action No action is required.

Error Message VPC-3-PEER_VPC_BRINGUP_FAILED: Peer vPC [dec] bringup failed ([chars])

Explanation Peer vPC bringup failed

Recommended Action No action is required.

Error Message `VPC-3-VPCM_ASSERTION_FAILED: [chars]`

Explanation VPCM has hit an assert condition at file [chars]

Recommended Action No action is required.

Error Message `VPC-3-VPCM_INIT_FAIL: vPC Manager Initialization Failed ([chars])`

Explanation VPCM Initialization failed. due to [chars]

Recommended Action No action is required.

Error Message `VPC-3-VPCM_INTERNAL_ERR: [chars]`

Explanation VPCM encountered an internal error due to [chars]

Recommended Action No action is required.

Error Message `VPC-3-VPCM_MTS_ERR: [chars]`

Explanation VPCM encountered an MTS error due to [chars]

Recommended Action No action is required.

Error Message `VPC-3-VPC_BRINGUP_FAILED: vPC [dec] bringup failed ([chars])`

Explanation VPC bringup failed

Recommended Action No action is required.

Error Message `VPC-3-VPC_PEER_LINK_BRINGUP_FAILED: vPC peer-link bringup failed ([chars])`

Explanation VPC Peer-link bringup failed

Recommended Action No action is required.

Error Message `VPC-3-VPC_PEER_LINK_DOWN: VPC Peer-link is down`

Explanation VPC Peer link is down

Recommended Action No action is required.

Error Message `VPC-3-VPC_RC_FAILURE_NO_NEED_REINIT_MCT: vPC role change has encountered a failure, will clean up, error: [chars]`

Explanation VPC RC failure, no need to reinit peer-link

Recommended Action No action is required.

Error Message `VPC-3-VPC_ROLE_CHANGE_FAILURE: vPC role change failed, error: [chars]:0x[hex]`

Explanation VPC Role Change failure

Recommended Action No action is required.

VPC-4

Error Message `VPC-4-PEER_VPC_DELETED: Peer vPC [dec] deleted`

Explanation Peer vPC configuration deleted

Recommended Action No action is required.

Error Message `VPC-4-VPC_CFGD_EXISTING: vPC [dec] might be used already, please check vpc configuration!`

Explanation VPC configuration duplication

Recommended Action No action is required.

Error Message `VPC-4-VPC_CONSISTENCY_NEW_VLAN_FAIL: Global Consistency check for vPC failed for new vlans`

Explanation Global Consistency check for vPC failed for new vlans

Recommended Action No action is required.

Error Message `VPC-4-VPC_DELETED: vPC [dec] is deleted`

Explanation VPC configuration deleted

Recommended Action No action is required.

Error Message `VPC-4-VPC_DISABLE_IP_REDIRECTS: peer-gateway enabled. Disabling IP redirects on all interface-vlans of this vPC domain for correct operation of this feature.`

Explanation Peer-gateway enabled, hence IP redirects on SVIs are disabled

Recommended Action No action is required.

Error Message `VPC-4-VPC_LC_UPG_OVER_DELIVERY_FAIL: Failed to deliver LC upgrade to vPC peer`

Explanation Failed to deliver LC upgrade to peer

Recommended Action No action is required.

Error Message `VPC-4-VPC_PEER_LINK_DELETED: vPC Peer-link deleted. This will bringdown all vPC interfaces`

Explanation VPC Peer-link configuration removed

Recommended Action No action is required.

Error Message `VPC-4-VPC_PEER_ROLE_CHANGE: In domain [dec], VPC peer role status has changed to [chars]`

Explanation VPC Peer role status changed to (Primary/Secondary

Recommended Action No action is required.

Error Message `VPC-4-VPC_PER_VLAN_CONSISTENCY_FAILED: Global consistency check for vPC failed for few vlans`

Explanation Global Consistency check for vPC failed for few vlans

Recommended Action No action is required.

Error Message `VPC-4-VPC_PER_VLAN_NO_SUPPORT: ISSD/ISSU to an image that does not support "per-vlan type-1 check" will not bring down/up any vlan (i.e. nothing will happen) until next compat-check.`

Explanation Triggered when ISSU/ISSD to an image which does not support per-vlan compat-check

Recommended Action No action is required.

Error Message `VPC-4-VPC_REINITIALIZED: Reinitializing vpcs assuming peer dead`

Explanation Initializing vpcs assuming peer dead

Recommended Action No action is required.

Error Message `VPC-4-VPC_ROLE_CHANGE: In domain [dec], VPC role status has changed to [chars]`

Explanation VPC role status changed to (Primary/Secondary

Recommended Action No action is required.

VPC-5

Error Message `VPC-5-GLOBAL_CONSISTENCY_SUCCESS: In domain [dec], global configuration is consistent`

Explanation Global compat-check passed

Recommended Action No action is required.

Error Message `VPC-5-INTF_CONSISTENCY_SUCCESS: In domain [dec], vPC [dec] configuration is consistent`

Explanation VPC configuration is consistent

Recommended Action No action is required.

Error Message `VPC-5-ORPHANPORT_RESUME: Orphan-port [chars] is removed from suspended`

Explanation Orphan-port is removed from suspended due to peer-link up or VPC role selection

Recommended Action No action is required.

Error Message `VPC-5-ORPHANPORT_SUSPEND: Orphan-port [chars] is suspended`

Explanation Orphan-port is suspended due to peer-link down or no VPC role selection

Recommended Action No action is required.

Error Message `VPC-5-PEER_KEEP_ALIVE_RECV_INT_LATEST: In domain [dec], VPC peer-keepalive received on interface [chars]`

Explanation VPC peer-keepalive receive interface changed

Recommended Action No action is required.

Error Message `VPC-5-PEER_KEEP_ALIVE_RECV_SUCCESS: In domain [dec], vPC peer keep-alive receive is successful`

Explanation Peer keep-alive receive successful

Recommended Action No action is required.

Error Message `VPC-5-PEER_KEEP_ALIVE_SEND_INT_LATEST: In domain [dec], VPC peer-keepalive sent on interface [chars]`

Explanation VPC peer-keepalive send interface changed

Recommended Action No action is required.

Error Message `VPC-5-PEER_KEEP_ALIVE_SEND_SUCCESS: In domain [dec], vPC peer keep-alive send is successful`

Explanation Peer keep-alive send successful

Recommended Action No action is required.

Error Message `VPC-5-PEER_KEEP_ALIVE_STATUS: In domain [dec], peer keep-alive status changed to [chars]`

Explanation Peer keep-alive (oob) status is changed to

Recommended Action No action is required.

Error Message `VPC-5-ROLE_PRIORITY_CFGD: In domain [dec], vPC role priority changed to [dec]`

Explanation Role priority configured

Recommended Action No action is required.

Error Message `VPC-5-SYSTEM_MAC_CFGD: In domain [dec], vPC system-mac changed to [chars]`

Explanation System mac configured

Recommended Action No action is required.

Error Message `VPC-5-SYSTEM_PRIO_CFGD: In domain [dec], vPC system priority changed to [dec]`

Explanation System priority changed

Recommended Action No action is required.

Error Message `VPC-5-VPCM_DISABLED: vPC Manager disabled`

Explanation VPCM Service Disabled

Recommended Action No action is required.

Error Message `VPC-5-VPCM_ENABLED: vPC Manager enabled`

Explanation VPCM Service Enabled

Recommended Action No action is required.

Error Message `VPC-5-VPC_AUTO_RECOVERY_TIMER_EXPIRED: vPC auto-recovery timer expired`

Explanation VPC auto-recovery timer expired

Recommended Action No action is required.

Error Message `VPC-5-VPC_AUTO_RECOVERY_TIMER_STARTED: vPC auto-recovery timer started`

Explanation VPC auto-recovery timer started

Recommended Action No action is required.

Error Message `VPC-5-VPC_DELAY_SVI_BUP_TIMER_EXPIRED: vPC restore, delay interface-vlan bringup timer expired, reinitiating interface-vlans`

Explanation VPC delay interface-vlan restore timer expired

Recommended Action No action is required.

Error Message `VPC-5-VPC_DELAY_SVI_BUP_TIMER_START: vPC restore, delay interface-vlan bringup timer started`

Explanation VPC delay interface-vlan restore timer start

Recommended Action No action is required.

Error Message `VPC-5-VPC_DOWN: vPC [dec] is down ([chars])`

Explanation VPC is down (reason)

Recommended Action No action is required.

Error Message `VPC-5-VPC_OPERATIONAL_L3_ROUTING: VPC operational layer 3 peer-router is [chars]`

Explanation VPC operational layer 3 peer-router enabled or disabled

Recommended Action No action is required.

Error Message `VPC-5-VPC_PEER_LINK_UP: vPC Peer-link is up`

Explanation VPC Peer-link is up

Recommended Action No action is required.

Error Message `VPC-5-VPC_RESTORE_TIMER_EXPIRED: vPC restore timer expired, reinitiating vPCs`

Explanation VPC restore timer expired

Recommended Action No action is required.

Error Message `VPC-5-VPC_RESTORE_TIMER_START: vPC restore timer started to reinit vPCs`

Explanation VPC restore timer start

Recommended Action No action is required.

Error Message `VPC-5-VPC_ROLE_PREMPT: In domain [dec], vPC role pre-emption triggered`

Explanation VPC preemption triggered

Recommended Action No action is required.

Error Message `VPC-5-VPC_SCALE_LIMIT: No port-channel limit configuration is [chars]`

Explanation No port-channel limit configuration is changed

Recommended Action No action is required.

Error Message `VPC-5-VPC_UP: vPC [dec] is up`

Explanation MCEC is UP

Recommended Action No action is required.

VPC-6

Error Message `VPC-6-PEER_LOCK_FAILED: Locking failed on peer switch - Aborting upgrade!!`

Explanation Locking failed on peer switch

Recommended Action No action is required.

Error Message `VPC-6-PEER_VPC_CFGD_VLANS_CHANGED: Peer vPC [dec] configured vlans changed`

Explanation Remote MCEC configured vlans Changed

Recommended Action No action is required.

Error Message `VPC-6-PEER_VPC_CFGD: peer vPC [dec] is configured`

Explanation VPC is configured

Recommended Action No action is required.

Error Message `VPC-6-PEER_VPC_DOWN: Peer vPC [dec] is down ([chars])`

Explanation Peer vPC is down

Recommended Action No action is required.

Error Message `VPC-6-PEER_VPC_UP: Peer vPC [dec] is up`

Explanation Peer vPC is up

Recommended Action No action is required.

Error Message `VPC-6-STATS_CLEARED: vPC Statistics Cleared`

Explanation VPC statistics cleared

Recommended Action No action is required.

Error Message `VPC-6-TRACK_OBJ_CONFIGURED: In domain [dec], track object configured [dec]`

Explanation VPC track object configured

Recommended Action No action is required.

Error Message `VPC-6-TRACK_OBJ_DELETED: In domain [dec], track object deleted`

Explanation VPC track object deconfigured

Recommended Action No action is required.

Error Message `VPC-6-TYPE1_PARAM_CHANGED: TYPE-1 parameters changed: [chars]`

Explanation Type-1 Parameters Changed

Recommended Action No action is required.

Error Message `VPC-6-VPCM_INTERNAL_INFO: [chars]`

Explanation VPCM got an internal info [chars]

Recommended Action No action is required.

Error Message `VPC-6-VPC_ALLOWED_VLAN_CHANGED: vPC [dec] operational vlans changed`

Explanation Operational vlans changed on vPC

Recommended Action No action is required.

Error Message `VPC-6-VPC_CFGD: vPC [dec] is configured`

Explanation VPC is configured

Recommended Action No action is required.

Error Message `VPC-6-VPC_CONSISTENCY_CHECK_BYPASS: Bypassing consistency check for vPC: [dec]`

Explanation Bypassing consistency check for vpcs

Recommended Action No action is required.

Error Message `VPC-6-VPC_CONSISTENCY_NEW_VLAN_PASS: Global Consistency check for vPC passed for new vlans`

Explanation Global Consistency check for vPC passed for new vlans

Recommended Action No action is required.

Error Message `VPC-6-VPC_DOMAIN_ID_CFGD: vPC domain-id configured to [dec]`

Explanation VPC domain-id configured

Recommended Action No action is required.

Error Message `VPC-6-VPC_ES_EGRESS_DF_STATE_CHANGED: Egress designated forwarder state changed from [chars] to [chars] for vPC [dec].`

Explanation DF state changed for some vPC.

Recommended Action No action is required.

Error Message `VPC-6-VPC_ES_ID_CFGD: Fabricpath switch ID [dec] configured`

Explanation Fabricpath switch ID configured

Recommended Action No action is required.

Error Message `VPC-6-VPC_ES_ID_REMOVED: Fabricpath switch ID [dec] removed`

Explanation Fabricpath switch ID removed

Recommended Action No action is required.

Error Message `VPC-6-VPC_LOCAL_L3_ROUTING: VPC local layer 3 peer is [chars]`

Explanation VPC local layer 3 peer enabled or disabled

Recommended Action No action is required.

Error Message `VPC-6-VPC_PEER_LINK_CFGD: vPC peer-link is configured`

Explanation VPC Peer-link is configured

Recommended Action No action is required.

Error Message `VPC-6-VPC_PER_VLAN_CONSISTENCY_PASSED: Global Consistency check for vPC passed for all vlans`

Explanation Global Consistency check for vPC passed for all vlans

Recommended Action No action is required.

VRRP-CFG Messages

This section contains the VRRP-CFG messages.

VRRP-CFG-2

Error Message `VRRP-CFG-2-ALLOC_MEMORY: Memory allocation failed`

Explanation The service failed to allocate a block of dynamic memory.

Recommended Action No action is required.

Error Message `VRRP-CFG-2-VSH_REGISTER_FAIL: VSH registration failed returning [dec]`

Explanation VRRP's parse tree registration with VSH failed

Recommended Action No action is required.

VRRP-CFG-3

Error Message `VRRP-CFG-3-INIT_FAILED: Initialization failed. Component [chars]`

Explanation The service failed to start. The failure occurred while initializing the component [chars].

Recommended Action Show processes to check the status of the other processes, debug the specified component.

Error Message `VRRP-CFG-3-VRRP_FEATURE_MANAGER_ERROR: Error in feature manager operation`

Explanation The feature manager operation did not go through fine

Recommended Action Please check the reason for error using feature manager and rectify the problem

VRRP-CFG-5

Error Message `VRRP-CFG-5-STARTING: VRRP Manager service started`

Explanation The service successfully started.

Recommended Action No action is required.

VRRP-ENG Messages

This section contains the VRRP-ENG messages.

VRRP-ENG-2

Error Message `VRRP-ENG-2-ALLOC_MEMORY: Memory allocation failed`

Explanation The service failed to allocate a block of dynamic memory.

Recommended Action No action is required.

Error Message `VRRP-ENG-2-VR_FAILURE: Error in VR[chars] [dec] interface [chars]. Going to init state`

Explanation The VR [dec] on the interface [chars] is in init state for an internal error.

Recommended Action Show interface to check the status of the interface, show configuration, status and statistics of the specified virtual router, enable the vrrp debug and shut/ no shut the specified virtual router.

VRRP-ENG-3

Error Message `VRRP-ENG-3-ARP_INIT_ERROR: Failed to init ARP, ret 0x[hex], errno [dec]`

Explanation VRRP-ARP interaction failed.

Recommended Action No action is required.

Error Message `VRRP-ENG-3-BFD_IF_SESSION_REMOVAL_ERROR: Failed to remove interface level VRRP-BFD sessions (0x[hex] 0x[hex]), Refer logs`

Explanation Plz refer internal error history for more details.

Recommended Action No action is required.

Error Message `VRRP-ENG-3-BFD_SESSION_ADD_ERROR: Failed to add a few VRRP-BFD sessions(0x[hex] 0x[hex]), Refer logs`

Explanation Plz refer internal error history for more details.

Recommended Action No action is required.

Error Message `VRRP-ENG-3-BFD_SESSION_CREATION_ERROR: Failed to create BFD session information(0x[hex] 0x[hex]), Refer logs`

Explanation Plz refer internal error history for more details.

Recommended Action No action is required.

Error Message `VRRP-ENG-3-BFD_SESSION_REMOVAL_ERROR: Failed to remove a few VRRP-BFD sessions(0x[hex] 0x[hex]), Refer logs`

Explanation Plz refer internal error history for more details.

Recommended Action No action is required.

Error Message `VRRP-ENG-3-INIT_FAILED: Initialization failed. Component [chars]`

Explanation The service failed to start. The failure occurred while initializing the component [chars].

Recommended Action Show processes to check the status of the other processes, debug the specified component.

Error Message `VRRP-ENG-3-IP_INIT_ERROR: Failed to init IP, ret 0x[hex], errno [dec]`

Explanation VRRP-IP interaction failed.

Recommended Action No action is required.

Error Message `VRRP-ENG-3-L3VM_INIT_ERROR: Failed to init L3VM, ret 0x[hex], errno [dec]`

Explanation VRRP-L3VM interaction failed.

Recommended Action No action is required.

Error Message `VRRP-ENG-3-URIB_INIT_ERROR: Failed to init URIB, ret 0x[hex], errno [dec]`

Explanation VRRP-URIB interaction failed.

Recommended Action No action is required.

VRRP-ENG-4

Error Message `VRRP-ENG-4-BAD_ADV: VR[chars] ID [dec] on interface [chars] bad advertisement received: reason [chars]`

Explanation The virtual router specified has received an invalid advertisement.

Recommended Action Check that all VRRP nodes have the same configuration.

VRRP-ENG-5

Error Message `VRRP-ENG-5-INTERFACE_DOWN: Cannot start the VR[chars] [dec] since the interface [chars] is down`

Explanation The specified VR is enabled but can't change state from init. The specified interface is down or doesn't have a primary IP address configured.

Recommended Action No action is required.

Error Message `VRRP-ENG-5-INTERFACE_STATE_CHANGE: Interface [chars] state changed to [chars]`

Explanation The interface specified has changed state This could have triggered a VRRP status change.

Recommended Action No action is required.

Error Message `VRRP-ENG-5-INVALID_CONFIG: Cannot start the VR[chars] [dec] on the interface [chars]. Invalid IP configuration. Reason: [chars]`

Explanation The specified VR on interface [chars] is enabled but the IP configuration is not valid because of [chars].

Recommended Action Show interface to check that the IP address of the interface is configured and it is in the same subnet of the virtual router address.

Error Message `VRRP-ENG-5-STARTING: VRRP Engine service started`

Explanation The service successfully started.

Recommended Action No action is required.

Error Message `VRRP-ENG-5-VR_STATE_CHANGE: VR[chars] ID [dec] on interface [chars] state changed to [chars], event [chars]`

Explanation The status of the specified virtual router has changed to [chars].

Recommended Action No action is required.

VRRP-ENG-6

Error Message `VRRP-ENG-6-VSHA_RESULT: VR ID [dec] on interface [chars] state change request result [chars]`

Explanation The result of the request for status change on the virtual router (with VSHA extension) specified is [chars].

Recommended Action No action is required.

VSHD Messages

This section contains the VSHD messages.

VSHD-1

Error Message `VSHD-1-FILE_OPEN_FAILED: Failed to open [chars] : [chars]`

Explanation Could not update the non MDP command to startup config

Recommended Action Execute the command again. If issue persists, check the file system based on the error

Error Message `VSHD-1-FILE_SYNC_FAILED: Cannot sync ([chars]) '[chars]' to standby`

Explanation Syncing non MDP configuration file to standby failed. If switchover is performed, startup config may not be proper

Recommended Action Execute the command again. If issue persists collect show tech ha, show tech ascii

Error Message `VSHD-1-MTS_BIND_FAILED: mts_bind to dynamic sap failed [dec]:[chars]`

Explanation Could not sync non MDP configuration file to standby due to MTS failure. If switchover is performed, startup config may not be proper

Recommended Action Execute the command again followed by copy r s

VSHD-2

Error Message `VSHD-2-VSHD_CC_DME: [chars]`

Explanation Consistency checker between DME DB and running DB

Recommended Action Please collect show tech dme, show tech dmecc and accounting log if consistency checker fails

Error Message `VSHD-2-VSHD_INVALID_HA_OPERATOR_OID: Unknown ha operator: [dec]`

Explanation This is probably occurring due to improper config

Recommended Action Please collect show tech and debugs

Error Message `VSHD-2-VSHD_INVALID_ROLE_OPCODE_OID: Invalid role op code [chars]`

Explanation This is probably occurring due to improper config

Recommended Action Please collect show tech and debugs

Error Message `VSHD-2-VSHD_INVALID_ROLE_SYNC_OID: Invalid role sync msg received`

Explanation This is probably occurring due to improper config

Recommended Action Please collect show tech and debugs

Error Message `VSHD-2-VSHD_INVALID_SUBTYPE_RANGE_OID: the name, the lower or the upper value of the subtype are not correct`

Explanation This is probably occurring due to improper config

Recommended Action Please collect show tech and debugs

Error Message `VSHD-2-VSHD_ROLE_DATABASE_TOO_LARGE: Role database too large. Unable to add RBAC entry`

Explanation There are too many rules and policies configured causing the entire role database too exceed 120KB

Recommended Action Please delete some rules, policies, or roles and try to better optimize the RBAC database

Error Message `VSHD-2-VSHD_SYSLOG_EOL_ERR: EOL function [chars] from library [chars] exited due to Signal [dec]`

Explanation Error in CLI EOL function

Recommended Action No action is required.

Error Message `VSHD-2-VSHD_SYSLOG_PSS_SNAPSHOT_ERR: Source URI:[chars] Destination URI:[chars] errcode:[dec]`

Explanation PSS snapshot error

Recommended Action No action is required.

Error Message `VSHD-2-VSHD_SYSLOG_SDWRAP_ERR: Description:[chars] errcode:[dec]`

Explanation Debug infrastructure error

Recommended Action No action is required.

VSHD-3

Error Message `VSHD-3-VSHD_ROLE_DISTRIBUTE_FAILURE: Role distribution operation ([chars]) failed with error id 0x[hex]`

Explanation This is probably occurring due to unstable fabric

Recommended Action Please retry operation when fabric is stable

Error Message `VSHD-3-VSHD_SYSLOG_FILE_ERR: Purpose:[chars] Filename:[chars] errcode:[dec]`

Explanation File handling error

Recommended Action No action is required.

Error Message `VSHD-3-VSHD_SYSLOG_MTS_ERR: message [chars]`

Explanation MTS message handling error

Recommended Action No action is required.

Error Message `VSHD-3-VSHD_SYSLOG_PARSE_TREE_ERR: [chars]`

Explanation Error while updating parse tree in shell

Recommended Action No action is required.

Error Message `VSHD-3-VSHD_SYSLOG_PSS_ERR: Purpose:[chars] URI:[chars] errcode:[dec]`

Explanation PSS handling error

Recommended Action No action is required.

VSHD-4

Error Message `VSHD-4-VSHD_LICENSE_EXPIRY_WARNING: License [chars] expires on [chars]. Vsan policy will be set to default (deny) for all roles when license expires`

Explanation Vsan policy would be set default (deny) for all roles when license expires

Recommended Action Please install the license file to continue using the feature.

Error Message `VSHD-4-VSHD_MTS_ERROR_OID: [chars]`

Explanation This is probably occurring due to improper config

Recommended Action Please collect show tech and debugs

Error Message `VSHD-4-VSHD_PORT_CHANNEL_CREATE: [chars]`

Explanation This is probably occurring when trying to create more port channels than allowed

Recommended Action Please collect show tech, accounting logs and debugs

Error Message `VSHD-4-VSHD_ROLE_DATABASE_OUT_OF_SYNC: Role configuration database found to be different between the switches during merge`

Explanation Role configuration database is recommended to be identical among all switches in the fabric.

Recommended Action Edit the configuration on one of the switches to obtain the desired role configuration database and then commit it

Error Message `VSHD-4-VSHD_ROLE_DATABASE_VERSION_NOT_UNDERSTOOD: This switch does not understand the version of role configuration database received during merge`

Explanation This is probably occurring due to different versions of system image on switches in the fabric

Recommended Action Please make sure all switches are running the same version of the system image

Error Message `VSHD-4-VSHD_ROLE_RULE_ACCESS_SCOPE_EXTRA_OID: Too many oid elements. Please enter up to 32.`

Explanation This is probably occurring due to the value given for snmp oid field is more than 32 elements

Recommended Action Please make sure the oid element should not exceed 32

Error Message `VSHD-4-VSHD_ROLE_RULE_ACCESS_SCOPE_INVALID_OID: Rule access scope OID value is Invalid`

Explanation This is probably occurring due to the value given for snmp oid field is neither digit nor dot

Recommended Action Please make sure the oid value should only contains digit and dot

VSHD-5

Error Message `VSHD-5-VSHD_CLI_COMMIT_ID: Configuration committed by user '[chars]' using Commit ID : [chars]`

Explanation Dual stage commit from cli

Recommended Action No action is required.

Error Message `VSHD-5-VSHD_CLI_TERM_LOCK: [chars] by [chars] on [chars]`

Explanation Terminal lock/unlock executed

Recommended Action No action is required.

Error Message `VSHD-5-VSHD_RLBK_COMMIT_ID: Configuration committed by rollback using Commit ID : [chars]`

Explanation Dual stage commit from rollback

Recommended Action No action is required.

Error Message `VSHD-5-VSHD_SYSLOG_CMD_EXEC: User:[chars] executed the command:[chars]`

Explanation CLI command was executed

Recommended Action No action is required.

Error Message `VSHD-5-VSHD_SYSLOG_CONFIG_CHANGE: VDC="[chars]", VTY="[chars]", user="[chars]", CMD="[chars]"`

Explanation Configuration change notification

Recommended Action No action is required.

Error Message `VSHD-5-VSHD_SYSLOG_CONFIG_I: Configured from vty by [chars] on [chars]`

Explanation CLI Configuration mode was exited

Recommended Action No action is required.

Error Message `VSHD-5-VSHD_SYSLOG_ROLE_CREATED: New cli role [chars] created`

Explanation New cli role created

Recommended Action No action is required.

VSHD-7

Error Message `VSHD-7-VSHD_SYSLOG_PARSE_TREE_UPDATE: Parse tree [chars]`

Explanation Parse tree updated in shell

Recommended Action No action is required.

XBAR_CLIENT Messages

This section contains the XBAR_CLIENT messages.

XBAR_CLIENT-SLOT#-2

Error Message `XBAR_CLIENT-SLOT#-2-VEGAS2_XBC_MEM_FULL: memory allocation failed in routine [chars]`

Explanation Process xbar_client failed to allocate memory

Recommended Action Please perform a 'show process xbar-client event-history' to collect more information

Error Message `XBAR_CLIENT-SLOT#-2-VEGAS2_XBC_PROC_DN: terminating due to signal [dec]`

Explanation Process xbar_client is exiting

Recommended Action Please perform a 'show process xbar-client event-history' to collect more information

Error Message `XBAR_CLIENT-SLOT#-2-VEGAS2_XBC_PROC_INITFAIL: initialization failed: [chars], errno [dec]`

Explanation Process xbar_client failed initialization

Recommended Action Please perform a 'show process xbar-client event-history' to collect more information

Error Message `XBAR_CLIENT-SLOT#-2-XBC_ALL_INTERNAL_LINKS_DOWN: [chars]`

Explanation All internal links on module are down

Recommended Action Please perform a 'show system xbar-client event-history' to collect more information

Error Message `XBAR_CLIENT-SLOT#-2-XBC_INTERNAL_LINK_DOWN: [chars], macf link - [dec], hg link - [dec]`

Explanation The internal link on module is down

Recommended Action Please perform a 'show system xbar-client event-history' to collect more information

XBAR_CLIENT-SLOT#-3

Error Message `XBAR_CLIENT-SLOT#-3-VEGAS2_XBC_IPC_MSGUNKN: unknown IPC message received: opcode [dec]`

Explanation Process xbar_client hass received an unknown IPC message

Recommended Action Please perform a 'show process xbar-client event-history' to collect more information

Error Message `XBAR_CLIENT-SLOT#-3-VEGAS2_XBC_MOD_INIT_FAIL: [chars], errcode - 0x[hex]`

Explanation The module initialiazation failed

Recommended Action Please perform a 'show process xbar-client event-history' to collect more information

XBAR_CLIENT-SLOT#-4

Error Message `XBAR_CLIENT-SLOT#-4-XBC_SOME_INTERNAL_LINK_DOWN: Internal HG links from LC unit-[dec] to FM unit-[dec] are down`

Explanation Some internal links on module are down

Recommended Action Please perform a 'show system xbar-client event-history' to collect more information

XMLMA Messages

This section contains the XMLMA messages.

XMLMA-2

Error Message `XMLMA-2-HEARTBEAT_FAIL: XML master agent failed to send heart beat: [chars]`

Explanation XML master agent has failed sending heartbeat.

Recommended Action No action is required.

Error Message `XMLMA-2-INITFAIL: XML master agent initialization fails: [chars]`

Explanation XML master agent has failed initialization.

Recommended Action No action is required.

Error Message `XMLMA-2-MTSERROR: XML master agent mts operation failed: [chars]`

Explanation XML master agent mts operation failed.

Recommended Action No action is required.

Error Message `XMLMA-2-PSSFAILURE: XML master agent pss operation failed: [chars]`

Explanation XML master agent pss operation failed.

Recommended Action No action is required.

Error Message `XMLMA-2-XMLMACRIT: XML master agent: [chars]`

Explanation XML master agent critical log.

Recommended Action No action is required.

XMLMA-3

Error Message `XMLMA-3-XMLMAERR: XML master agent: [chars]`

Explanation XML master agent error log.

Recommended Action No action is required.

XMLMA-5

Error Message `XMLMA-5-STARTING: XML master agent started [chars]`

Explanation XML master agent has been started.

Recommended Action No action is required.

XMLMA-6

Error Message `XMLMA-6-XMLMAEXIT: XML master agent exiting...: [chars]`

Explanation XML master agent is exiting.

Recommended Action No action is required.

Error Message `XMLMA-6-XMLMALOG: XML master agent operation log: [chars]`

Explanation XML master agent operation log.

Recommended Action No action is required.

XMLSA Messages

This section contains the XMLSA messages.

XMLSA-2

Error Message `XMLSA-2-CANDIDATE_WRITE_FAIL: Netconf session id:[dec],candidate config has no space left`

Explanation No space left in candidate configuration of the netconf session.

Recommended Action Please send the commit or discard request for the outstanding config.

Error Message `XMLSA-2-HEARTBEAT_FAIL: XML sub agent failed sending heart beat: [chars]`

Explanation XML sub agent failed sending heartbeat.

Recommended Action No action is required.

Error Message `XMLSA-2-INITFAIL: XML sub agent initialization fails: [chars]`

Explanation XML agent has failed initialization.

Recommended Action No action is required.

Error Message `XMLSA-2-USER_INACTIVE: XML sub agent timeed out: [chars]`

Explanation XML sub agent timedout due to inactivity.

Recommended Action No action is required.

Error Message `XMLSA-2-VSH_ERR: XML sub agent vsh cmd error...: [chars]`

Explanation XML sub agent vsh cmd error.

Recommended Action No action is required.

XMLSA-5

Error Message `XMLSA-5-RPC_ERROR: Netconf session id:[dec], operation:[chars], status:FAILED, reason:[chars]`

Explanation Netconf operation has failed.

Recommended Action No action is required.

Error Message `XMLSA-5-RPC_OK: Netconf session id:[dec], operation:[chars], status:SUCCESS`

Explanation Netconf operation is successful.

Recommended Action No action is required.

Error Message `XMLSA-5-STARTING: XML sub agent started: [chars]`

Explanation XML sub agent has been started.

Recommended Action No action is required.

XMLSA-6

Error Message `XMLSA-6-XMLSAEXIT: XML sub agent exiting...: [chars]`

Explanation XML sub agent is exiting.

Recommended Action No action is required.

Error Message `XMLSA-6-XMLSALOG: XML sub agent log: [chars]`

Explanation XML sub agent log.

Recommended Action No action is required.