

show alcap

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show alcap counters

Table 1: show alcap counters Command Output Descriptions

Field	Description
AAL2 Channels Counters	This group displays the counter statistics of AAL2 channels in ALCAP service.
Number of AAL2 channels in IDLE state	Indicates the total number of AAL2 channels in IDLE state in ALCAP service instance.
Number of AAL2 channels in CONNECTED state	Indicates the total number of AAL2 channels in CONNECTED state in ALCAP service instance.
Number of AAL2 channels in CONNECTING state	Indicates the total number of AAL2 channels in CONNECTING state.
Number of AAL2 channels in RELEASE PENDING state	Indicates the total number of AAL2 channels in RELEASE PENDING state.
Number of AAL2 channels in RESET PENDING state	Indicates the total number of AAL2 channels in RESET PENDING state.
AAL2 Paths Counters	This group displays the counter statistics of AAL2 paths in paticular AAL2 channel in ALCAP service.
Number of AAL2 Paths in LOCALLY BLOCKED state	Indicates the total number of AAL2 paths in the AAL2 node that are currently blocked locally.
Number of AAL2 Paths in REMOTE BLOCKED state	Indicates the total number of AAL2 paths in the AAL2 node that are currently blocked by remote peer node.

Field	Description
Number of AAL2 Paths in BLOCKED state	Indicates the total number of AAL2 paths in the AAL2 node that are currently blocked. This includes both, local and remote blocks.
Number of AAL2 Paths in RESET PENDING state	Indicates the total number of AAL2 Paths in RESET PENDING state.

show alcap-service all



Important In Release 20 and later, HNBGW is not supported. For more information, contact your Cisco account representative.

Table 2: show alcap-service all Command Output Descriptions

Field	Description
Aal2 node	The name of the ALCAP service node in which the ALCAP service is configured.
Aal2 node id	The identity number of the ALCAP node in which ALCAP service is configured.
Point code	Point code of adjacent AAL2 node in SS7 format address.
AESA	Specifies the ATM Endpoint Service Address (AESA) in an ATM (or AAL2) network to map with adjacent AAL2 node. The AESA is based on the generic network service access point (NSAP) format. The ATM connection from HNB-GW terminates at this point.
Total Aal2 Path	Indicates the total number of AAL2 paths configured for this ALCAP service on an AAL2 node.
Total Aal2 Path Blocked	Indicates the total number of AAL2 paths in the AAL2 node that are currently blocked. This includes both, local and remote blocks.
Total Aal2 Path Locally Blocked	Indicates the total number of AAL2 paths in the AAL2 node that are currently blocked locally.
Total Aal2 Path Remote Blocked	Indicates the total number of AAL2 paths in the AAL2 node that are currently blocked by remote peer node.
Aal2 Path info	This group displays the AAL2 path related information.
Aal2 Path id	Indicates the identity number of AAL2 path configured on this AAL2 node under ALCAP service.
ATM Port Bound	Indicates the status if the Aal2 path is bound to a physical ATM port or not.

Field	Description
LPort Id	Indicates the logical port Id identifying an Aal2 path binding to an ATM port.
Path FSM State	Indicates the current state of this AAL2 path FSM. Possible states are: • **Idle**: The Path FSM is in Idle state • **Pending Reset Confirm**: A path reset procedure is in process and waiting for a conformation from the peer node. • **Pending Block Confirm**: A path block procedure is in process and waiting for a conformation from the peer node. • **Pending Un-Block Confirm**: A path Un-block procedure is in process and waiting for a conformation from the peer node. • **Pending Reset and Block Confirm**: Path reset and path block procedure is in process and waiting for a conformation from the peer node. • **Pending Reset and Un-Block Confirm**: Path reset and path un-block procedure is in process and waiting for a conformation from the peer node.
Locally Blocked	Indicates whether an AAL2 path on AAL2 node under ALCAP service is locally blocked or not.
Remote Blocked	Indicates whether an AAL2 path on AAL2 node under ALCAP service is remotely bolcked by peer node or not.

show alcap-service full

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Table 3: show alcap-service full Command Output Descriptions

Field	Description
alcap service	The name of the ALCAP service of which statistics are displayed.
service id	The identity number of the ALCAP service of which statistics are displayed.
Context	Indicates the system context name in which ALCAP service is configured.
state	Indicates the state of the ALCAP service.
self point code	Indicates the address of this ALCAP service in SS7 point code notation.

Field	Description
ss7 routing domain id	Indicates the routing domain id in which ALCAP service is associated.
AAL2 Nodes	This group displays the information related to AAL2 node configured in ALCAP service.
Node name	Indicates the name of the AAL2 node configured in ALCAP service.
Point Code	Indicates the address of AAL2 node in SS7 point code notation.
Path id	Indicates the identity number of AAL2 path configured on this AAL2 node under ALCAP service.
Routes	This group displays the information related to AAL2 routes configured for AAL2 path.
AESA	Specifies the ATM Endpoint Service Address (AESA) in an ATM (or AAL2) network to map with adjacent AAL2 node. The AESA is based on the generic network service access point (NSAP) format. The ATM connection from HNB-GW terminates at this point.
Node id	Indicates the AAL2 node identity number used for routes in AAL2 path FSM.
ERQ timer	Indicates the maximum time, in seconds, configured for Timer_ERQ on the system to wait for response from adjacent AAL2 node before reporting the failure of AAL2 Establish Request procedure. Configurable range is from 5 through 30 seconds and default is 5 seconds.
REL timer	Indicates the maximum time, in seconds, configured for Timer_REL on the system to waits for response from adjacent AAL2 node before reporting the failure of AAL2 Release Request procedure. Configurable range is from 2 through 60 seconds and default is 2 seconds.
RES timer	Indicates the maximum time, in seconds, configured for Timer_RES on the system to waits for response from adjacent AAL2 node before reporting the failure of AAL2 Reset Request procedure. Configurable range is from 2 through 60 seconds and default is 2 seconds.
BLO timer	Indicates the maximum time, in seconds, configured for Timer_BLO on the system to waits for response from adjacent AAL2 node before reporting the failure of AAL2 Path Block procedure. Configurable range is from 2 through 60 seconds and default is 2 seconds.
UBL timer	Indicates the maximum time, in seconds, configured for Timer_UBL on the system to waits for response from adjacent AAL2 node before reporting the failure of AAL2 Path Un-Block procedure. Configurable range is from 2 through 60 seconds and default is 2 seconds.

Field	Description
MOD timer	Indicates the maximum time, in seconds, configured for Timer_MOD on the system to waits for response from adjacent AAL2 node before reporting the failure of AAL2 Path ModifyRequest procedure. Configurable range is from 5 through 30 seconds and default is 5 seconds.
STC long timer	Indicates the configured duration value in millinseconds for STC long timer. This timer is used by the congestion indication procedure. Receipt of a repeated congestion indication from MTP3B before the expiry of this timer is interpreted as the congestion situation. On the other hand, if no congestion indication is received from MTP3B before expiry of this timer, the congestion situation is considered to have improved. Configurable range is from 5000 ms through 10000 ms and default value is 5000 ms.
STC short timer	Indicates the configured duration value in millinseconds for STC long timer. This timer is used by the congestion indication procedure. The role of this timer is to avoid overreacting if multiple congestion indications are received from MTP3B in quick succession. Configurable range is from 300 ms through 600 ms and default value is 300 ms.
Max-reset-retransmission	Indicates maximum number of retries allowed for transmission of RESET message to reset the AAL2 path by ALCAP service. Configurable range is 0 to 4 and default is 1. A "0" value indicates that retransmission of RESET message is disabled.