

show ipsg

This chapter describes the outputs of the **show ipsg** commands.

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show ipsg service all

Table 1: show ipsg service all Command Output Descriptions

Field	Description
Service name	Name of the IPSG service.
Context	Name of the context in which the IPSG service is configured.
Bind	The binding status of the service. Indicates if the service has been bound to the appropriate interfaces (RADIUS-Server mode) or to any interface in the context (RADIUS-Snoop mode).
Max Subscribers	The total number of subscribers allowed for the service. This field displays a configured number or, if not configured, the total amount specified by the IPSG service license.
Mode	The IPSG service mode type: radius-server or radius-snoop
Address	The IP address of the interface where RADIUS Accounting-Request messages are received.
Port	The port number of the interface where RADIUS Accounting-Request messages are received.
Disconnect-Message	Displays whether the RADIUS Accounting disconnect-message option is enabled or disabled.
Source Port	The port number configured for the disconnect-message.
Source-Context	The source context with the interface where RADIUS Accounting-Request messages are received.

Field	Description
Overlapping IP address	Displays whether overlapping IP address is enabled or disabled.
Default Subscriber	The default subscriber for the context.
Service Status	The status of the IPSG service. Indicates if the service has been started.
SGTP Service	Name of the SGTP service associated with this service.
SGTP Service Context	Name of the context in which the SGTP service is configured.
Default APN Name	Name of the default APN to be used for this service.
PLMN Id	The Public Land Mobile Network (PLMN) identifier for the eWAG service.
MCC	The mobile country code (MCC) part of the PLMN ID.
MNC	The mobile network code (MNC) part of the PLMN ID.

show ipsg sessions counters all

Table 2: show ipsg sessions counters all Command Output Descriptions

Field	Description
Username	The user name for the session.
Callid	The call ID number for the session.
MSID	The Mobile Station Identification number.
RADIUS Accounting:	
Total START Req rcvd	Total number of RADIUS Accounting-Start Request messages received since the last system restart or clear command.
Total START Req (Retransmitted) rcvd	Total number of retransmitted RADIUS Accounting-Start Request messages received.
Total START Rsp Sent	Total number of RADIUS Accounting-Start Response messages sent by this system.
Total INTERIM Updt rcvd	Total number of RADIUS Accounting-Interim Update messages received.
Total INTERIM Updt Rsp sent	Total number of RADIUS Accounting-Interim Update Response messages sent.
Total Acct On Req rcvd	Total number of RADIUS Accounting-On Request messages received.
Total Acct On Req (Retransmitted) rcvd	Total number of retransmitted RADIUS Accounting-On Request messages received.
Total Acct On Response sent	Total number of RADIUS Accounting-On Response messages sent.

Field	Description
Total Acct Off Req rcvd	Total number of RADIUS Accounting-Off Request messages received.
Total Acct Off Req (Retransmitted) rcvd	Total number of retransmitted RADIUS Accounting-Off Request messages received.
Total Acct Off Response sent	Total number of RADIUS Accounting-Off Response messages sent.
Total STOP Req rcvd	Total number of RADIUS Accounting-Stop Request messages received.
Total STOP Rsp sent	Total number of RADIUS Accounting-Stop Response messages sent.
Total Non-Existing STOP Rsp sent	Total number of RADIUS Accounting-Stop Response messages sent for a non-existing session.
Total ACCESS Req rcvd	Total number of IPSG RADIUS Access-Request messages received.
Total ACCESS Req (Retransmitted) rcvd	Total number of retransmitted IPSG RADIUS Access-Request messages received.
Total ACCESS Challenge sent	Total number of IPSG RADIUS Access-Challenge messages sent.
Total Access-Accept sent	Total number of IPSG RADIUS Access-Accept messages sent.
Total Access-Reject sent	Total number of IPSG RADIUS Access-Reject messages sent.
Total Response sent	Total number of RADIUS accounting response messages sent.

show ipsg statistics

Table 3: show ipsg statistics Command Output Descriptions

Field	Description
Session Stats:	
Total Current	Total number of current sessions.
Total Setup	Total number of sessions setup.
Total Released	Total number of sessions released.
Total Replaced	Total number of sessions replaced.
RADIUS Message Statistics:	
Total START Req rcvd	Total number of RADIUS Accounting-Start Request messages received since the last system restart or clear command.
Total START Req (Retransmitted) rcvd	Total number of retransmitted RADIUS Accounting-Start Request messages received.

Field	Description
Total START Rsp Sent	Total number of RADIUS Accounting-Start Response messages sent by this system.
Total INTERIM Updt rcvd	Total number of RADIUS Accounting-Interim Update messages received.
Total INTERIM Updt Rsp sent	Total number of RADIUS Accounting-Interim Update Response messages sent.
Total STOP Req rcvd	Total number of RADIUS Accounting-Stop Request messages received.
Total STOP Rsp sent	Total number of RADIUS Accounting-Stop Response messages sent.
Total Acct On req rcvd	Total number of RADIUS Accounting-On Request messages received.
Total Acct On req (Retransmitted) rcvd	Total number of retransmitted RADIUS Accounting-On Request messages received.
Total Acct On Response sent	Total number of RADIUS Accounting-On Response messages sent.
Total Acct Off Req rcvd	Total number of RADIUS Accounting-Off Request messages received.
Total Acct Off Req (Retransmitted) rcvd	Total number of retransmitted RADIUS Accounting-Off Request messages received.
Total Acct Off Response sent	Total number of RADIUS Accounting-Off Response messages sent.
Total ACCESS Req rcvd	Total number of IPSG RADIUS Access-Request messages received.
Total ACCESS Req (Retransmitted) rcvd	Total number of retransmitted IPSG RADIUS Access-Request messages received.
Total ACCESS Challenge sent	Total number of IPSG RADIUS Access-Challenge messages sent.
Total Access-Accept sent	Total number of IPSG RADIUS Access-Accept messages sent.
Total Access-Reject sent	Total number of IPSG RADIUS Access-Reject messages sent.
Total UNKNOWN req rcvd	Total number of unknown request messages received.
Total Response sent	Total number of RADIUS accounting response messages sent.
Total Sessions Replaced	Total number of sessions replaced.
Total Discarded	Total number of messages discarded.
Mandatory Attr Missing	Total number of messages discarded because of missing mandatory attribute.
Interim For Non-Existing Session	Total number of RADIUS Accounting-Interim messages discarded, when there is no session existing.
Stop For Non-Existing Session	Total number of RADIUS Accounting-Stop messages discarded, when there is no session existing.
Unknown Client	Total number of messages discarded because they were received from an unknown client.
Interconnect shared secret	Total number of RADIUS requests discarded, because the shared secret was incorrect.

Field	Description
Stale Packets	Total number of stale Create Session Request packets discarded.
Service Not Supported	Total number of messages discarded due to service not being supported.
No Resource	Total number of messages discarded due to resource unavailability.
Internal Error	Total number of messages discarded due to internal errors. For example, when Demux fails to send notification to SessMgr, and other unexpected internal scenarios.
License Limit Exceeded	Total number of messages discarded due to license limit getting exceeded.
Service Limit Exceeded	Total number of messages discarded due to service limit for maximum number of sessions getting exceeded.
Congestion Policy Applied	Total number of messages discarded due to Congestion Policy.
DHCP Message Discarded	Total number of DHCP messages discarded by the IPSG service. It is the sum of all DHCP discard reasons.
MAX Size Exceeded	Total number of DHCP messages discarded by IPSG service due to maximum size exceeding. Maximum DHCP message size supported by IPSG service is (DHCP_MESSAGE_MAX_SIZE 1000 + UDP_HEADER_LEN 8 + IP_HEADER_LEN 20).
Non-Existing Session	Total number of DHCP messages ignored by IPSG since they were received for non-existing sessions.
GiAddr Mismatch	Total number of DHCP messages discarded by IPSG due to GiAddr field (Relay agent addr) not matching IP in DHCP message.
Unsupported HW Type/Length	Total number of messages discarded by IPSG due to congestion policy.