



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. |

| Field | Description |
|---|---|
| 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 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. |

| Field | Description |
|---|---|
| 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. |
| 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. |

| Field | Description |
|----------------------------------|---|
| 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. |
| 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). |

| Field | Description |
|----------------------------|---|
| 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. |