



show ggsn-service

This chapter includes the **show ggsn-service** command output tables.

- [show ggsn-service sgsn-table](#), on page 1
- [show ggsn-service all](#), on page 2

show ggsn-service sgsn-table

Table 1: show ggsn-service sgsn-table Command Output Descriptions

| Field | Description |
|--------------------|--|
| GTP Version | GPRS Tunnelling Protocol. (0) - GTPRS (1) - UMTS |
| Active | GTP condition. (I) - Inactive (A) - Active |
| GTPC Echo | GPRS Tunneling Protocol-Control message (D) - Disabled (E) - Enabled |
| PLMN Type | Public land mobile network type. (H) - Home (F) - Foreign (U) - Unknown |
| SGSN Stats | SGSN statistics. (A) - Available (U) - Unavailable |
| Service ID | GGSN Service ID. |
| SGSN Address | IP address of each active SGSN. |
| Restart Counter | The restart counter sent by the SGSN. Increments by 1 with each restart. |
| Number of Restarts | Number of times the restart of the particular SGSN is detected, i.e., the number of times a NEW restart counter is received from the SGSN in a GTPC request message. |
| Curr Subs | Number of current subscribers to each SGSN. |
| Max Subs | Maximum number of permitted subscribers to each SGSN. |

show ggsn-service all

Displays the configuration information for all GGSN services configured on the system.

Table 2: show ggsn-service all Command Output Descriptions

| Field | Description |
|-------------------------|--|
| Service name | The name of the GGSN service. |
| Context | The context name where the GGSN service is configured. |
| Associated PGW svc | The name of the P-GW service associated to the GGSN service. |
| Associated GTPU svc | The name of the GTP-U service associated to the GGSN service. |
| Associated IPNE svc | The name of the IPNE service associated to the GGSN service. |
| Associated Peer map | The name of the peer map associated to the GGSN service. |
| Accounting Context Name | The context name where the accounting configuration and/or interface(s) are configured. |
| dns-client Context Name | The context name in which a DNS client configuration is present. |
| Authorize | Enables/disables subscriber session authorization with HSS over S6b Diameter interface. |
| S6b IPv6 Reporting | Specifies if the IPv6 address reporting through AAR towards the S6b interface is enabled or disabled. |
| Fqdn-name | The name of Fully Qualified Domain Name (FQDN) which is used for authorization over S6b interface between GGSN and 3GPP AAA/HSS. |
| Bind | Binds the GGSN service to a logical IP interface serving as the Gn interface. |
| Local IP Address | The IP address (IPv4 and/or IPv6) of the interface configured as the Gn interface. |
| Self PLMN Id | Specifies the GGSN's public land mobile network (PLMN) identifiers. |
| Retransmission Timeout | The time to control the retransmission of GTP control packets when no response is received from an SGSN. |
| Max Retransmissions | Indicates the maximum number of times that GTP control packets are retransmitted. |
| Restart Counter | Specifies the restart counter |

| Field | Description |
|---------------------------------------|---|
| Echo Interval | Specifies the frequency at which the GGSN service sends GTPv1-C Echo packets to the SGSN(s) it is configured to communicate with. |
| GTPC Echo Mode | Specifies if GTP-C echo mode is set as default. |
| GTPC Echo Retransmission Timeout | Specifies the frequency at which the GGSN service retransmits GTPv1-C Echo packets to the SGSN(s) it is configured to communicate with. |
| Guard Interval | Specifies the amount of time that must pass before a GGSN service treats a redundant PDP context request as a new request instead of a re-send of a previous request. |
| PLMN Policy | Specifies the public land mobile network (PLMN) policy. |
| Setup Timeout | Specifies the maximum amount of time the GGSN service allows for the setting up of PDP contexts. |
| S-GW Interface Excluded | Excludes the specified interface. |
| SGSN MCC MNC preference | Specifies the MCC and MNC preference for SGSN. |
| Unlisted SGSN PLMN Id. | Specifies the PLMN ID of the unlisted SGSN. |
| Unlisted SGSN rat-type | Specifies the type of the radio access technology for unlisted SGSN. |
| Reject Code Policy | |
| Authentication Server Timeout | Specifies the reject code used by the GGSN if communication with an authentication server times out. |
| Accounting Server Timeout | Specifies the reject code used by the GGSN if communication with an accounting server times out. |
| Ran Procedure Ready | Specifies if the RAN Procedure Ready feature is enabled/disabled for the specified GGSN service. |
| NSAPI in Create PDP response | Specifies the Network Service Access Point Identifier in the Create PDP response. |
| Map MBR to AMBR in Update PDP request | Indicates the status of MBR to AMBR mapping in Update PDP Context Request message. |
| Suppress NRUPC triggered by CPC | Indicates if suppress NRUPC triggered by CPC is enabled or disabled. |
| Suppress NRUPC triggered by UPC | Indicates if suppress NRUPC triggered by UPC is enabled or disabled. |
| Support e-ARP | Indicates if the support for enhanced ARP is enabled or disabled. |
| Support MS QoS Change | Indicates if the support for MS QoS change is enabled or disabled. |

| Field | Description |
|---|---|
| Decode MCC MNC parameter of ULI as HexaDecimal Digits | Indicates if the decoding of MCC and MNC parameters of ULI as hexadecimal digits has been enabled or disabled. |
| Duplicate Subscriber Address Request | Specifies the status of duplicate subscriber address request. |
| trace-collection-entity | Specifies the trace collection entity which is the destination node in Network management where trace files are transferred to and stored. |
| Path Failure Detection on gtp msgs | Specifies the path failure detection policy on GTP-U echo messages that have been retransmitted the maximum number of retry times. |
| GTP Private Extensions | Specifies the customer specific private extension in GTP-C messages. |
| Max IP sessions | Specifies the maximum number of IP sessions. |
| Max PPP sessions | Specifies the maximum number of PPP sessions in GGSN service. |
| Max sessions | Specifies the total number of maximum sessions including IP and PPP in GGSN service. |
| Max Primary sessions | Specifies the total number of maximum primary sessions including IP and PPP in GGSN service. |
| Max Sec-per-primary sessions | Specifies the total number of maximum secondary sessions per primary session in GGSN service. |
| Service Status | Specifies the status of the GGSN service. |
| Newcall Policy | Specifies if the new call related behavior of GGSN service is enabled/disabled when duplicate sessions with same IP address request is received. |
| MBMS Policy | Specifies the configured MBMS policy for Multicast and/or Broadcast mode in this GGSN service. |
| MBMS Charging ID Optimization | Specifies if the MBMS charging ID optimization is enabled/disabled for the GGSN service. |
| GTPC Prioritized APN(s) | Specifies if the prioritized APNs have been added for prioritized handling of VoLTE/Emergency calls even under congestion for the GGSN service. |
| GTPC Prioritized ARP(s) | Specifies if the prioritized ARPs have been added for prioritized handling of VoLTE/Emergency calls even under congestion for the GGSN service. |
| GTPC Prioritized Rel99 ARP(s) | Specifies if the prioritized Release 99 ARPs have been configured for prioritized handling of VoLTE/Emergency calls even under congestion for the GGSN service. |

| Field | Description |
|---|---|
| 3GPP Qos to DSCP Mapping (for G-PDUs) | This group indicates the 3GPP QoS to DSCP mapping information. |
| qci 1: ef | Indicates the DSCP configured for QCI1 type of traffic. |
| qci 2: ef | Indicates the DSCP configured for QCI2 type of traffic. |
| qci 3: af11 | Indicates the DSCP configured for QCI3 type of traffic. |
| qci 4: af11 | Indicates the DSCP configured for QCI4 type of traffic. |
| qci 5: ef | Indicates the DSCP configured for QCI5 type of traffic. |
| qci 6: ef | Indicates the DSCP configured for QCI6 type of traffic. |
| qci 7: af21 | Indicates the DSCP configured for QCI7 type of traffic. |
| qci 8: af21 | Indicates the DSCP configured for QCI8 type of traffic. |
| qci 9: be | Indicates the DSCP configured for QCI9 type of traffic. |
| 3GPP Qos to DSCP Mapping based on Alloc. Prio | This group indicates the 3GPP QoS to DSCP mapping information based on allocation priority. |
| qci 5 (Alloc.P 1): ef | Indicates the DSCP configured for QCI5 type of traffic with allocation priority 1. |
| qci 5 (Alloc.P 2): ef | Indicates the DSCP configured for QCI5 type of traffic with allocation priority 2. |
| qci 5 (Alloc.P 3): ef | Indicates the DSCP configured for QCI5 type of traffic with allocation priority 3. |
| qci 6 (Alloc.P 1): ef | Indicates the DSCP configured for QCI6 type of traffic with allocation priority 1. |
| qci 6 (Alloc.P 2): ef | Indicates the DSCP configured for QCI6 type of traffic with allocation priority 2. |
| qci 6 (Alloc.P 3): ef | Indicates the DSCP configured for QCI6 type of traffic with and allocation priority 3. |
| qci 7 (Alloc.P 1): af21 | Indicates the DSCP configured for QCI7 type of traffic with allocation priority 1. |
| qci 7 (Alloc.P 2): af21 | Indicates the DSCP configured for QCI7 type of traffic with allocation priority 2. |
| qci 7 (Alloc.P 3): af21 | Indicates the DSCP configured for QCI7 type of traffic with allocation priority 3. |
| qci 8 (Alloc.P 1): af21 | Indicates the DSCP configured for QCI8 type of traffic with allocation priority 1. |

| Field | Description |
|--|---|
| qci 8 (Alloc.P 2): af21 | Indicates the DSCP configured for QCI8 type of traffic with allocation priority 2. |
| qci 8 (Alloc.P 3): af21 | Indicates the DSCP configured for QCI8 type of traffic with allocation priority 3. |
| GTPC messages | Indicates the Best effort forwarding PHB for GTPC messages. |
| CC Behavior | Specifies the 3GPP behavior bit associated with the GGSN's charging characteristics. |
| Charging Characteristics (CC) Profiles | This group provides the charging characteristics profiles configured in this GGSN service. |
| Bucket | Specifies the charging bucket configured for charging characteristic in this GGSN service |
| SGSN Configuration List | Specifies the list of SGSNs that this GGSN service is allowed to communicate with. |
| GTPC Outgoing Throttling | Specifies if outgoing throttling has been enabled, which indicates the number of messages that were removed from the queue (due to any collision, or max retransmission expired). |
| RLF Template Name | Specifies the template name for RLF for throttling support. |
| GTPC Incoming Throttling Params | Specifies if the incoming throttling of GTPC has been configured. It includes following parameters: |
| Message Rate (per sec) | Indicates the number of messages per second. Default: 20000 |
| Delay Tolerance (secs) | Indicates the delay tolerance in seconds. Default: 5 |
| Queue Size | Indicates the queue size. Default: 10000 |