

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.
3g to 4g HO Immediate flush to Demux	Specifies if the 3G to 4G handover of immediate flush information to Demux is Yes or No.
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
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.

Field	Description
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 acess 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.
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.

Field	Description
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 numner 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.
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.

Field	Description
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.
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

Field	Description
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
Suppress Framed route timer	Indicates that suppress framed route timer is either enabled or disabled on the GGSN service.