



show user-plane-service

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show user-plane-service statistics drop-counter

The output of the **show user-plane-service statistics drop-counter** command displays the following fields:

Field	Description
Packet Drop Data Statistics:	
NAT packets processing failure:	
NAT on demand handling	The total number of NAT packets failed due to on-demand handling.
IP allocation is in progress	The total number of NAT packets failed due to IP allocation in progress.
ICMP Packet translation	The total number of NAT packets failed due to ICMP packet translations.
FIREWALL packets processing failure:	

Field	Description
Policy not found	The total number of Firewall packets failed due to missing policy.
No Matching GX rule found	The total number of Firewall packets failed due to unmatched Gx rules.
Flow apply action:	
Discard	The total number of packets dropped due to discard action.
Readdress Failure	The total number of packets dropped due to readdress failure.
Packet exceeds the MTU size	The total number of packets dropped due to excess MTU size.
Failure in processing FAR Buffer packets	The total number of packets dropped due to failure in processing the FAR buffer.
FAR Apply Action Drop	The total number of packets dropped due to FAR apply action.
Traffic Steering Failure	The total number of packets dropped due to traffic steering failure.
QER Gate Status Closed	The total number of packets dropped due to QER gate status closure.
Content-filtering Discard Action	The total number of packets dropped due to content-filtering discard action.
IP Header Validation Failed	The total number of packets dropped due to IP header validation failure.
ADF level failure:	
UL TEID/QFI key mismatch	The total number of packets dropped due to UL TEID/QFI key mismatch.
DL TFT mismatch	The total number of packets dropped due to DL TFT mismatch.
DL QFI mismatch	The total number of packets dropped due to DL QFI mismatch.
URL Blacklisting Discard Action	The total number of packets dropped due to URL blacklisting discard action.
DDN buffer overflow drop packets	The total number of packets dropped due to DDN buffer overflow.

Field	Description
APN AMBR Packets Drop	The total number of packets dropped due to APN AMBR.
ITC Packets Drop	The total number of ITC dropped packets.
ACL Drop	The total number of ACL dropped packets.
CC Dropped Packets	The total number of CC dropped packets.
FastPath Misc Drops:	
Overload Protection	The total number of packets dropped due to overload protection.
Invalid Client	The total number of packets dropped due to invalid client.
Stream ID 0	The total number of packets dropped due to 0 stream ID.
Invalid Stream ID	The total number of packets dropped due to invalid stream ID.
OHR Mismatch Packet Drops	The total number of packets dropped due to outer header removal mismatch.
SGACL Packet Drops	Total number of SGACL packets dropped.
SGACL No Policy Packet Drops	Total number of SGACL packets not dropped.
No Default SGT cell Packet Drops	Total number of no default SGT cell packets dropped. Note This field is obsolete.

show user-plane-service all

The output of the **show user-plane-service all** command displays the following fields:

Field	Description
Service name	The name of the configured user plane service.
Service ID	The user plane service identifier.
Context	The context in which the service is configured.
Status	The status of the user plane service.
UPF Ingress GTPU Service	Displays the type of UPF Ingress GTPU Service.

Field	Description
UPF Ingress N3 Interface Type GTPU Service	Displays the type of UPF Ingress N3 Interface Type GTPU Service.
UPF Ingress N9 Interface Type GTPU Service	Displays the type of UPF Ingress N9 Interface Type GTPU Service.
UPF Ingress S5U Interface Type GTPU Service	Displays the type of UPF Ingress S5U Interface Type GTPU Service.
UPF Ingress S8U Interface Type GTPU Service	Displays the type of UPF Ingress S8U Interface Type GTPU Service.
UPF Egress GTPU Service	Displays the type of UPF Egress GTPU Service.
SGW Ingress GTPU Service	Displays the type of SGW Ingress GTPU Service.
SGW Egress GTPU Service	Displays the type of SGW Egress GTPU service.
Control Plane Tunnel GTPU Service	Displays the name of control plane tunnel GTPU service.
Sx Service	Displays the type of Sx Service.
Control Plane Group	Displays the type of control plane group.
Fast-Path service	Indicates the status of the fast-path service.
Load Control Parameters	Displays the Load Control related parameters.
Capacity	Displays the Load Control capacity.
NRF Management Service	Displays the name of Network Resource Functions (NRF) management service.
Nf-Instance-Id	Displays the value of Network function (NF) instance ID for NRF.
Session Priority Profile	Displays the name Session priority profile.
Ise Server Profile	Displays the name of the ISE server profile.

show user-plane-service gtpu local-addresses

Table 1: show user-plane-service gtpu local-addresses Command Output Descriptions

Field	Description
Service Name	The name of the configured user plane service.
Address List	The IP addresses used to transmit/receive GTP-U packets.

Field	Description
GTPv1 Sessions	The number of active GTP-1 sessions.

show user-plane-service gtpu statistics local-address

Table 2: show user-plane-service gtpu statistics local-address table Command Output Descriptions

Field	Description
Session Stats	
Current	The total number of current sessions set up using GTPU service.
Current (IMS-media)	The total number of current (IMS-media) sessions set up using GTPU service
Total Setup	The total number of sessions set up using GTPU service.
Total Setup (IMS-media)	The total number of sessions set up (IMS-media) using GTPU service.
Current gtpu v0 sessions	The total number of current GTP-0 sessions.
Current gtpu v1 sessions	The total number of current GTP-1 sessions.
Total Data Stats	
Uplink Packets	The total number of uplink packets.
Uplink Bytes	The total number of uplink bytes.
Downlink Packets	The total number of downlink packets.
Downlink Bytes	The total number of downlink bytes.
Packets Discarded	The total number of discarded packets.
Bytes Discarded	The total number of discarded bytes.
Uplink Packets (IMS-media)	The total number of uplink packets (IMS-media).
Uplink Bytes (IMS-media)	The total number of uplink bytes (IMS-media).
Downlink Packets (IMS-media)	The total number of downlink packets (IMS-media).
Downlink Bytes (IMS-media)	The total number of downlink bytes (IMS-media).
Packets Discarded (IMS-media)	The total number of discarded packets (IMS-media).
Bytes Discarded (IMS-media)	The total number of discarded bytes (IMS-media).
QoS Stats	
Uplink Packets	The total number of QCI <n> uplink packets.

Field	Description
Uplink Bytes	The total number of QCI <n> uplink bytes.
Downlink Packets	The total number of QCI <n> downlink packets.
Downlink Bytes	The total number of QCI <n> downlink bytes.
Packets Discarded	The total number of discarded QCI <n> packets.
Non-Std QCI(Non-GBR)	
Uplink Packets	The total number of non-standard QCI, non-GBR uplink packets.
Uplink Bytes	The total number of non-standard QCI, non-GBR uplink bytes.
Downlink Packets	The total number of non-standard QCI, non-GBR downlink packets.
Downlink Bytes	The total number of non-standard QCI, non-GBR downlink bytes.
Packets Discarded	The total number of discarded non-standard QCI, non-GBR packets.
Path Management Messages	
Echo Request Rx	The total number of GTPU echo requests received.
Echo Response Rx	The total number of GTPU echo responses received.
Echo Request Tx	The total number of GTPU echo requests transmitted.
Echo Response Tx	The total number of GTPU echo responses transmitted.
SuppExtnHdr Tx	Total GTPU messages with supported extension headers transmitted.
Peer Stats	
Total GTPU Peers	Total number of GTPU Peers available in the system.
Total GTPU Peers with Stats	The total number of GTPU Peers available in the system with statistics.
Tunnel Management Messages	
Error Indication Tx	The number of Error Indication messages transmitted.
Error Indication Rx	The number of Error Indication messages received.
Error Indication Rx Discarded	The total number of error indications discarded.

show user-plane-service sgacl name sgacl-name

Table 3: show user-plane-service sgacl name Command Output Descriptions

Field	Description
SGACL Name	Displays the name of the Secure Group Tag-based Access Control List (SGACL).
SGACL Definitions	Displays the ACL definitions.
protocol	Displays the protocol field for SGACL (IPv4, IPv6, or IP_AGNOSTIC).
Total SGACL(s) found	Displays the total number of SGACLs found.

show user-plane-service sgt-column dsqt dsqt-value

Table 4: show user-plane-service sgt-column dsqt dsqt_value Command Output Descriptions

Field	Description
D-SGT	Displays the Destination SGT (D-SGT) value.
S-SGT	Displays the Source SGT (S-SGT) value.
SGACL Name Version	Displays the version of the SGACL name.
SGACL name	Displays the SGACL name.
Total SGT column(s) found	Displays the total number of the SGT columns.

show user-plane-service sgt-column summary

Table 5: show user-plane-service sgt-column summary Command Output Descriptions

Field	Description
D-SGT Columns fetched	Displays the fetched Destination SGT (D-SGT) columns.
D-SGT Version	Displays the version of the D-SGT.
Total D-SGT column(s) found	Displays the total number of the D-SGT columns.

show user-plane-service s-nssai statistics [all | id]

The output of the `show user-plane-service s-nssai statistics [all | id]` command displays the following fields:

Field	Description
S-NSSAI	Indicates the S-NSSAI value.
Active Subscribers	Displays the number of active subscribers.
Total Subscribers	Displays the total number of subscribers.

show user-plane-service statistics all

The output of the **show user-plane-service all** command displays the following fields:

Field	Description
Data Statistics Related To Buffering:	
Packets Buffered	The total number of buffered packets.
Bytes Buffered	The total number of buffered bytes.
Packets Discarded	The total number of discarded packets.
Bytes Discarded	The total number of discarded bytes.
Packets Dropped per FAR (<=9)	The number of times that 9 packets or lesser than 9 packets per FAR are dropped.
Packets Dropped per FAR (10-19)	The number of times that 10 to 19 packets per FAR are dropped.
Packets Dropped per FAR (20-29)	The number of times that 20 to 29 packets per FAR are dropped.
Packets Dropped per FAR (30-39)	The number of times that 30 to 39 packets per FAR are dropped.
Packets Dropped per FAR (40-49)	The number of times that 40 to 49 packets per FAR are dropped.
Packets Dropped per FAR (>=50)	The number of times that 50 packets or greater than 50 packets per FAR are dropped.

show user-plane-service statistics charging-action [name | all]

The output of the **show user-plane-service statistics charging-action [name | all]** command displays the following fields:

Field	Description
X-Header Bytes Injected	Indicates the number of X-Header bytes injected.
X-Header Packets Injected	Indicates the number of X-Header packets injected.
X-Header Bytes Removed	Indicates the number of X-Header bytes removed.
X-Header Packets Removed	Indicates the number of X-Header packets removed.

show user-plane-service statistics rulebase [name | all]

The output of the `show user-plane-service statistics rulebase [name | all]` command displays the following header enrichment field:

Field	Description
HTTP header buffering limit reached	Indicates when the HTTP buffering limit is reached.

show user-plane-service statistics sgACL all

Table 6: show user-plane-service statistics sgACL all Command Output Descriptions

Field	Description
ACL Name	Specifies the name of the access control list.
Pkts-Down	Specifies the total number of downlink packets for subscriber matching SGACL.
Bytes-Down	Specifies the total number of downlink bytes for subscriber matching SGACL.
Pkts-Up	Specifies the total number of dropped packets for subscriber matching SGACL. Note This field is added for as part of the CLI for completeness. However, the counters are always 0 as currently SGACL is applied only for downlink packets.
Bytes-Up	Specifies the total number of uplink bytes for a subscriber. Note This field is added for as part of the CLI for completeness. However, the counters are always 0 as currently SGACL is applied only for downlink packets.
Pkts dropped	Specifies the total number of dropped packets.
Total SGACL(s)	Specifies the total number of SGACLs for a subscriber.

