



Troubleshooting Information

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Feature Summary and Revision History

Summary Data

Table 1: Summary Data

Applicable Product(s) or FunctionalArea	SMF
Applicable Platform(s)	SMI
Feature Default Setting	Not Applicable
Related Changes in this Release	Not Applicable
Related Documentation	Not Applicable

Revision History

Table 2: Revision History

Revision Details	Release
Updated the Troubleshooting information for this release.	Pre-2020.02.0

clear subscriber

Table 3: clear subscriber Command Output Description

Field	Description
all	Clears all the sessions.
amf	Clears subscriber based on AMF address.
chf	Clears subscriber based on CHF address.
dnn	Clears subscriber based on DNN value.
gtp-peer	Clears subscriber based on GTP-PEER address.
ipv4-pool	Clears subscriber based on IPv4 pool name.
ipv4-range	Clears subscriber based on IPv4 address-range.
ipv6-pool	Clears subscriber based on IPv6 pool name.
ipv4-range	Clears subscriber based on IPv6 prefix-range.
ipv6-range	Clears subscriber based on IPv6 prefix-range.
pcf	Clears subscriber based on PCF address.
policy	Clears subscriber based on policy information.
purge	Clears true, if purged locally.

clear subscriber supi imsi <imsi_value>

Table 4: clear subscriber supi imsi <imsi_value> Command Output Description

Field	Description
ebi	Clears subscriber based on EPS bearer ID.
imsi	Clears subscriber based on IMSI.

Field	Description
purge	Clears true, if purged locally.
	Output modifier.

clear subscriber supi imsi <imsi_value> psid <psid_value>

Table 5: clear subscriber supi imsi <imsi_value> psid <psid_value> Command Output Description

Field	Description
ebi	Clears subscriber based on EPS bearer ID.
imsi	Clears subscriber based on IMSI.
psid	Clears subscriber based on Service ID.
purge	Clears true, if purged locally.
	Output modifier.

show subscriber

This commands displays the existing show subscriber CLI output with the newly added CLI output.

Table 6: show subscriber Command Output Description

Field	Description
amf	Displays the AMF address.
chf	Displays the CHF address.
count	Displays the number of sessions.
debug	Displays the debugging information.
dnn	Displays the DNN value.
gtp-peer	Displays the GTP-peer address.
pcf	Displays the PCF address.
rat	Displays the RAT type as 4G or 5G.
udm	Displays the UDM address.
upf	Displays the UPF address.
	Displays the output modifiers.

show subscriber count

This command displays the CLI options for the count CLI command.

Table 7: show subscriber count Command Output Description

Field	Description
all	Displays all the SUPIs.
amf	Displays the AMF address.
chf	Displays the CHF address.
dnn	Displays the DNN value.
gtp-peer	Displays the GTP-peer address.
pcf	Displays the PCF address.
rat	Displays the RAT type as 4G or 5G.
supi	Displays the specific SUPI value.
udm	Displays the UDM address.
upf	Displays the UPF address.
	Displays the output modifiers.

show subscriber count all

This command displays the total number of sessions for all the SUPIs.

Table 8: show subscriber count all Command Output Description

Field	Description
	Displays the output modifiers.

show subscriber count chf <chf_address>

This command displays the total number of sessions for the specified parameters.

Table 9: show subscriber count chf <chf_address> Command Output Description

Field	Description
amf	Displays the AMF address.

Field	Description
dnn	Displays the DNN value.
gtp-peer	Displays the GTP-peer address.
pcf	Displays the PCF address.
rat	Displays the RAT type as 4G or 5G.
udm	Displays the UDM address.
upf	Displays the UPF address.
	Displays the output modifiers.

show subscriber count chf <chf_address> dnn <dnn_value>

This command displays the total number of sessions for the specified parameters.

Table 10: show subscriber count chf <chf_address> dnn <dnn_value> Command Output Description

Field	Description
amf	Displays the AMF address.
gtp-peer	Displays the GTP-peer address.
pcf	Displays the PCF address.
rat	Displays the RAT type as 4G or 5G.
udm	Displays the UDM address.
upf	Displays the UPF address.
	Displays the output modifiers.

show subscriber count supi <supi_value>

This command displays the total number of sessions for the specific SUPI value.

Table 11: show subscriber count supi <supi_value> Command Output Description

Field	Description
	Displays the output modifiers.

```
show subscriber debug-info supi <supi_value>
```

show subscriber debug-info supi <supi_value>

This command displays the debug information for the specific SUPI value where the PSID value is optional.

Table 12: show subscriber debug-info supi <supi_value> Command Output Description

Field	Description
psid	Displays the Provider Service Identifier.

show subscriber debug-info supi <supi_value> psid <psid_value>

This command displays the debug information for the specific SUPI and PSID combination.

Table 13: show subscriber debug-info supi <supi_value> psid <psid_value> Command Output Description

Field	Description
	Displays the output modifiers.



Note

Currently, the SMF does not validate the serving PLMN received on N11 interface. Also, the SMF does not validate the UE PLMN when the N11 smContextCreate or GTP createSessionRequest is received.

The PLMN value received in the NSSAI included in the PCO request remain the same as the PLMN configured on the SMF.