



Peer Profile Configuration Mode Commands

The Peer Profile Configuration Mode is used to configure the peer profiles for GGSN, P-GW, or S-GW service to allow flexible profile based configuration to accommodate growing requirements of customizable parameters with default values and actions for peer nodes of GGSN, P-GW, or S-GW.

Command Modes

Exec > Global Configuration > Peer Profile Configuration

configure > peer-profile service-type <service-type> {default | name *peer_profile_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-peer-profile-ggsn/pgw/sgw-access/nw) #
```



Important

The commands or keywords/variables that are available are dependent on platform type, product version, and installed license(s).



Important

For information on common commands available in this configuration mode, refer to the [Common Commands](#) chapter.

- [arp-mapping](#), on page 1
- [description](#), on page 2
- [gtpc](#), on page 3
- [lawful-intercept](#), on page 4
- [no-qos-negotiation](#), on page 4
- [upgrade-qos-supported](#), on page 5

arp-mapping

Configures UMTS ARP to Gx ARP mapping for the specific peer profile.

Product

GGSN
P-GW

Privilege

Security Administrator, Administrator

Command Modes

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configure > peer-profile service-type <service-type> {default | name *peer_profile_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-peer-profile-ggsn/pgw/sgw-access/nw)#
```

Syntax Description

[default] arp-mapping priority-level high *high_num* medium *med_num*

default

Sets default values for the peer profile

priority-level high *high_num* medium *high_num*

Configures the high and medium values for peer profile. The *high_num* is an integer and ranges from 1 to 13 while the *high_num* also being an integer, ranges from 2 to 14.

Usage Guidelines

Use this command to configure UMTS ARP to Gx ARP mapping for GGSN peer profile configured through this mode.

Example

The following command sets the high priority level 4 and low priority level 9 for UMTS to Gx ARP mapping for a GGSN peer profile:

```
arp-mapping priority-level high 4 medium 9
```

description

Sets a relevant descriptive string for the specific peer profile. By default it is blank.

Product

GGSN
P-GW
SAEGW
S-GW

Privilege

Security Administrator, Administrator

Command Modes

Exec > Global Configuration > Peer Profile Configuration

configure > peer-profile service-type <service-type> {default | name *peer_profile_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-peer-profile-ggsn/pgw/sgw-access/nw)#
```

Syntax Description

description *desc_string*
no description

no

Removes the set description for GGSN, P-GW, or S-GW service peer profile configured through this mode.

desc_string

Indicates the description for GGSN, P-GW, or S-GW service peer profile configured through this mode; must be an alphanumeric string from 1 through 64 characters.

Usage Guidelines

Use this command to set a relevant description for GGSN, P-GW, or S-GW peer profile configured through this mode.

Example

The following command sets the description *ggsn_gtpc_SGSN_profile1* for a GGSN peer profile:

```
description ggsn_gtpc_SGSN_profile1
```

gtpc

Configure the GTP-C parameters for this peer profile.

Product

GGSN
P-GW
SAEGW
S-GW

Privilege

Administrator

Command Modes

Exec > Global Configuration > Peer Profile Configuration

```
configure > peer-profile service-type <service-type> {default | name peer_profile_name
```

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-peer-profile-ggsn/pgw/sgw-access/nw)#
```

Syntax Description

```
gtpc { echo { interval inter_dur | retransmission-timeout echo_retrans_dur }
| max-retransmission retrans_num | retransmission-timeout retrans_dur }
default gtpc { echo [ interval | retransmission-timeout ] |
max-retransmissions | retransmission-timeout }
no gtpc echo
```

default

Resets the specified parameter to its default value.

no

Disables or removes the configured GTP-C echo settings.

echo interval *inter_dur*

Default: 60

Configures the duration, in seconds, between the sending of echo request messages.

inter_dur must be an integer from 60 through 3600.

echo retransmission-timeout *echo_retrans_dur*

Default: 3

Configures the echo retransmission timeout, in seconds, for the this peer profile.

echo_retrans_dur must be an integer ranging from 1 to 20.

max-retransmissions *retrans_num***retransmission-timeout *retrans_dur*****Note**

In 17.3 and later releases, this option has been deprecated. Use **retransmission-timeout-ms**.

retransmission-timeout-ms *retrans_dur***Usage Guidelines**

Use this command to configure GTP-C parameters for GGSN, P-GW, or S-GW peer profile.

Example

The following command sets the GTP-C echo parameters to default values:

```
default gtpc echo
```

The following command sets the GTP-C retransmission timeout parameters to 4 seconds:

```
default gtpc retransmission-timeout-ms
```

lawful-intercept

Refer to the *Cisco ASR 5x00 Lawful Intercept Configuration Guide* for a description of this command.

no-qos-negotiation

Configures overriding of No-Qos-Negotiation flag in common flag IE received from peer node.

Product

GGSN

P-GW

Privilege

Administrator

Command Modes

Exec > Global Configuration > Peer Profile Configuration

configure > peer-profile service-type <service-type> {default | name *peer_profile_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-peer-profile-ggsn/pgw/sgw-access/nw) #
```

Syntax Description

**no-qos-negotiation { set-flag | unset-flag }
[no] no-qos-negotiation**

no

Disables or removes the configured overriding of No-Qos-Negotiation flag in common flag IE received from peer node.

set-flag

Sets flag value to 1 in common flag IE.

unset-flag

Sets flag value to 0 in common flag IE.

Usage Guidelines

Use this command to configure the overriding of no-qos-negotiation flag value in Common Flags IE received from the peer.

Example

The following command sets the flag value to true, i.e. 1, in Common Flags IE:

```
no-qos-negotiation set-flag
```

upgrade-qos-supported

Configures overriding of upgrade-Qos-supported flag in common flag IE received from peer node.

Product

GGSN
P-GW

Privilege

Administrator

Command Modes

Exec > Global Configuration > Peer Profile Configuration

configure > peer-profile service-type <service-type> {default | name *peer_profile_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-peer-profile-ggsn/pgw/sgw-access/nw) #
```

Syntax Description

**upgrade-Qos-supported { set-flag | unset-flag }
[no] upgrade-Qos-supported**

no

Disables or removes the configured overriding of upgrade-Qos-supported flag in common flag IE received from peer node.

set-flag

Sets flag value to 1 in common flag IE.

unset-flag

Sets flag value to 0 in common flag IE.

Usage Guidelines

Use this command to configure the overriding of upgrade-Qos-supported flag value in Common Flags IE received from the peer.

Example

The following command sets the flag value to false, i.e. 0, in Common Flags IE:

```
upgrade-Qos-supported unset-flag
```