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 allows 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).

arp-mapping

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

Product

GGSN

P-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

`[ 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

end

Exits the current configuration mode and returns to the Exec mode.

Product All

Privilege Security Administrator, Administrator

Syntax Description

```
end
```

Usage Guidelines Use this command to return to the Exec mode.

exit

Exits the current mode and returns to the parent configuration mode.

Product

All

Privilege

Security Administrator, Administrator

Syntax Description

```
exit
```

Usage Guidelines

Use this command to return to the parent configuration mode.

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