



PCC-Quota Service Configuration Mode Commands



Important

This configuration mode is supported from StarOS Release 12.1 onward.

Command Modes

The PCC-Quota Service Configuration mode provides a mechanism for Intelligent Policy Control Function (IPCF) to manage the external interfaces required for quota management purpose. The PCC-Quota service uses **Gx** interface towards PCEF/DPI node for Volume-Reporting-Over-Gx (VRoGx) for Quota management and messaging based on a Diameter dictionary. This mode exists within Context Configuration mode.

Exec > Global Configuration > Context Configuration > PCC Service Configuration > PCC Quota Service Configuration

configure > **context** *context_name* > **pcc-quota-service** *service_name*



Important

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

- [associate pcc-service, on page 2](#)
- [diameter dictionary, on page 3](#)
- [diameter origin end-point, on page 4](#)
- [end, on page 5](#)
- [exit, on page 6](#)
- [max total-charging-sessions, on page 7](#)

associate pcc-service

This command is used to associate a pre-configured PCC-Service with a PCC-Quota service for IPCF configuration.

Product IPCF

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > Context Configuration > PCC Service Configuration > PCC Quota Service Configuration

configure > **context** *context_name* > **pcc-quota-service** *service_name*

Syntax Description **associate pcc-service** *pcc_service_name*
[no] **associate pcc-service**

no

Removes/disassociate the configured PCC-service from this PCC-Quota service instance configured for IPCF configuration.

pcc_service_name

Specifies the name of a pre-configured PCC-service configured in Context Configuration mode for IPCF configuration.

The *pcc_service_name* is name of a predefined PCC-Service instance and must be an alphanumeric string from 1 through 63 characters.

Usage Guidelines Use this command to associate a pre-configured PCC-Service instance for IPCF configuration.



Important For more information on PCC-Service configuration, refer *PCC-Service Configuration Mode Commands*.

Example

Following command binds a PCC-Service named *pcc_svc1* with in a PCC-Quota service.

```
associate pcc-service pcc_svc1
```

Following command removes an associated PCC-Service named *pcc_svc1* from a PCC-Quota service.

```
no associate pcc-service pcc_svc1
```

diameter dictionary

This command is used to assign a 3GPP Rel. 8 Gx standard Diameter dictionary for **VRoGx** messaging with a PCC-Quota service for IPCF configuration.

Product IPCF

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > Context Configuration > PCC Service Configuration > PCC Quota Service Configuration

configure > **context** *context_name* > **pcc-quota-service** *service_name*

Syntax Description [**no**] **diameter dictionary standard**

no

Removes the assigned a 3GPP Rel. 8 Gx standard Diameter dictionary for **VRoGx** messaging with a PCC-Quota service for IPCF configuration.

Usage Guidelines Use this command to assign a 3GPP Rel. 8 Gx standard Diameter dictionary for **VRoGx** messaging in PCC-Quota service for quota management.

Example

Following command sets the PCC-Quota service to use 3GPP Rel. 8 standard dictionary over **Gx** interface and **VRoGx** supported quota management related messaging in a PCC-Quota service:

```
diameter dictionary standard
```

diameter origin end-point

This command is used to bind/associate a pre-configured Diameter host/realm (SSC/SPR) over **Sp** interface with a PCC-Quota service to be used for subscriber quota management.

Product IPCF

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > Context Configuration > PCC Service Configuration > PCC Quota Service Configuration

configure > **context** *context_name* > **pcc-quota-service** *service_name*

Syntax Description **diameter origin endpoint** *dia_endpoint_name*
no diameter origin endpoint

no

Removes the associated Diameter Origin Endpoint configuration from PCC-Quota service instance configured for IPCF configuration.

any

Sets the PCC-Quota service instance to use any available PCEF/DPI node over **Sp** interface for quota management.

dia_endpoint_name

The *dia_endpoint_name* is a predefined Diameter origin endpoint node and must be an alphanumeric string from 1 through 63 characters.

Usage Guidelines Use this command to bind the SSC/SPR node over **Sp** interface by associating a pre-configured Diameter Origin Endpoint with a PCC-Quota service.

The Diameter origin endpoint must be a pre-configured instance in the Context Configuration Mode. For more information on Diameter origin endpoint configuration, refer *Diameter Endpoint Configuration Mode Commands* chapter.

Example

Following command associates a pre-configured Diameter endpoint node configuration named *ssc1* with a PCC-Quota service for subscriber quota management.

```
diameter origin endpointssc1
```

Following command removes the pre-associated Diameter endpoint node configuration named *ssc1* with a PCC-Quota service.

```
no diameter origin endpoint
```

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.

max total-charging-sessions

This command is used to configure the maximum limit of the charging sessions allowed in a PCC-Quota service instance on IPCF.

Product IPCF

Privilege Security Administrator, Administrator

Command Modes Exec > Global Configuration > Context Configuration > PCC Service Configuration > PCC Quota Service Configuration

configure > context *context_name* > **pcc-quota-service** *service_name*

Syntax Description **max total-charging-sessions** *max_session*
default max total-charging-sessions

default

Sets the maximum charging sessions allowed in PCC-Quota service instance to default value of charging sessions.

max_session

Default: 1

Specifies the maximum number of charging sessions configured in PCC-Quota service to allow to be connected in PCC-Quota service instance.

max_session must be an integer between 0 and 113.

Usage Guidelines

Use this command to set the maximum number of charging sessions allowed by a PCC-Quota service instance on IPCF.

Example

Following command sets the maximum number of charging sessions allowed in PCC-Quota service instance to 10000.

```
default max total-charging-sessions
```

max total-charging-sessions