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).

> **Important**
>
> For information on common commands available in this configuration mode, refer to the Common Commands chapter.

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 alphanumerical 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 alphanumerical 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
```

max total-charging-sessions

This command is used 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
```