



# 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.

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- [diameter dictionary, on page 2](#)
- [diameter origin end-point, on page 3](#)
- [max total-charging-sessions, on page 4](#)

## associate pcc-service

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

<b>Product</b>	IPCF
<b>Privilege</b>	Security Administrator, Administrator
<b>Command Modes</b>	Exec > Global Configuration > Context Configuration > PCC Service Configuration > PCC Quota Service Configuration  <b>configure &gt; context</b> <i>context_name</i> > <b>pcc-quota-service</b> <i>service_name</i>
<b>Syntax Description</b>	<b>associate pcc-service</b> <i>pcc_service_name</i> [no] <b>associate pcc-service</b>  <b>no</b>  Removes/disassociate the configured PCC-service from this PCC-Quota service instance configured for IPCF configuration.  <b><i>pcc_service_name</i></b>  Specifies the name of a pre-configured PCC-service configured in Context Configuration mode for IPCF configuration.  The <i>pcc_service_name</i> is name of a predefined PCC-Service instance and must be an alphanumeric string from 1 through 63 characters.
<b>Usage Guidelines</b>	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.

<b>Product</b>	IPCF
<b>Privilege</b>	Security Administrator, Administrator
<b>Command Modes</b>	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
```

## 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
```

max total-charging-sessions