

# **Diameter Peer Load Rebalancing**

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# **Feature Summary and Revision History**

## **Summary Data**

#### Table 1: Summary Data

Applicable Product(s) or Functional Area	PCF
Applicable Platform(s)	SMI
Feature Default Setting	Disabled – Configuration required to enable
Related Documentation	Not Applicable

### **Revision History**

#### **Table 2: Revision History**

Revisio	Details	Release
First int	oduced.	2022.02.0

# **Feature Description**

PCF supports diameter peer load rebalancing.

## How it Works

This section describes how this feature works.

- CLI is implemented to show the diameter peer connections and its mapping to the individual pods.
- CLI is also used to initiate disconnection of a peer identified by its peer fqdn and realm details. The peer disconnect request is redirected to the respective diameter stack where the connection termination is managed in graceful manner.

# **Feature Configuration**

To configure this feature, use the following configurations:

- View the diameter peer connections per pod.
- Diameter peer disconnection.

### **View the Diameter Peer Connections Per Pod**

This section describes how to view the diameter peer connections per pod.

To view the diameter peer connections per pod, use the following configuration in the Policy Ops Center console:

show diameter peer-status

The output of this command displays the peer hostname, peer realm, pod IP and the status.

The following is a sample output of the show diameter peer-status command.

#### **Diameter Peer Disconnection**

This section describes how to disconnect the diameter peer connection.

To disconnect the diameter peer connection, use the following configuration in the Policy Ops Center console:

diameter-peer disconnect fqdn <peer-fqdn> realm <peer-realm>

The following is a sample connection success output of the **diameter-peer disconnect fqdn site-host-rx1** realm site-rx-client-cisco.com command.

pcf# diameter-peer disconnect fqdn site-host-rx1 realm site-rx-client-cisco.com

The following is a sample connection failure output of the **diameter-peer disconnect fqdn site-host-rx1** realm site-rx-client-tmo.com command.

pcf# diameter-peer disconnect fqdn ecscf-client-s111 realm cscf.mnc010.mcc100.3gppnetwork.org