Dual Dcardmgrs support per card in VPC-DI

Overview

To support a high volume of subscribers, additional dcardmgr instances have to be created per Session card. You can configure the number of dcardmgr instances to be created via the CLI.

If the number of subscribers per card exceeds 4.2 million, you must configure two dcardmgrs per session card. By default, one dcardmgr is created per card. For example,

Subscribers in the system	Dcardmgrs configured
≤ 4 million	1 (default)
> 4 million	2 (mandatory)

Configuring the Number of Dcardmgrs Per Session Card

Summary

This procedure outlines how to configure the number of dcardmgr instances that are started on each session card of a VPC-DI platform.

Workflow

These are the steps to configure dcardmgrs.

Note   You must be operating on a VPC-DI platform. This command is not applicable to other platforms.

1. Enter the Global Configuration mode.

```
[pdif]ePDG# configure
```

2. Configure the number of dcardmgrs. To set the desired number of dcardmgr instances per session card, use the **task facility dcardmgr per-sesscard-count** *integer value* command. The integer values currenty supported are 1 and 2. For example,

```
[pdif]ePDG# configure
[pdif]ePDG(config)# task facility
  aaamgr
  dcardmgr
 [pdif]ePDG(config)# task facility dcardmgr per-sesscard-count  2
```

3. Reset the default number of dcardmgrs. To reset the number of dcardmgr instances per session card to its default value, use the **default task facility dcardmgr per-sesscard-count** command. The integer value to configure the number of dcardmgr to the default value is 1.

```
[pdif]ePDG(config-epdg-service)#
[pdif]ePDG# configure
[pdif]ePDG(config)# task facility
  aaamgr
  dcardmgr
 [pdif]ePDG(config)# default task facility dcardmgr per-sesscard-count  1
```

4. Reload the system after configuring the per-sesscard-count for the changes to take effect.

5. Verify the configuration using the **show config** command.

```
local]EPDGCHASSIS# show config | grep task
  iftask restart-enable
[local]EPDGCHASSIS#
```

Verify the default configuration using **show configuration verbose** command and paste the ouput.

```
[local]EPDGCHASSIS# show config verbose | grep task
  no iftask sw-rss
  no iftask txbatch latency
….
….
 task facility linkmgr max 4
 task facility dcardmgr per-sesscard-count 1
 task resource cpu-memory-low kill
[local]EPDGCHASSIS#
```

Result

If the newly configured value is same as the already existing value, an error message, "number of dcardmgrs on each session card is already configured to x" will be displayed, where 'x' is the current value.