PDP CLI Reference Guide

Model: S3700-24T4F

CLI REFERENCE GUIDE

Table of Contents

Chapter 1 PDP Configuration Commands....1
1.1 PDP Configuration Commands....1
1.1.1 pdp timer....1
1.1.2 pdp holdtime....1
1.1.3 pdp version....2
1.1.4 pdp run....2
1.1.5 pdp enable....3
1.1.6 show pdp traffic....3
1.1.7 show pdp neighbor....4

Chapter 1 PDP Configuration Commands

1.1 PDP Configuration Commands

PDP commands include:

- pdp timer
- pdp holdtime
- pdp version
- pdp run
- pdp enable
- show pdp traffic
- show pdp neighbor

1.1.1 pdp timer

Syntax

To set the time of the PDP timer, run this command. To return to the default setting, use the no form of this command.

[no|default] pdp timer seconds

Parameters

Parameters	Description
seconds	Means the interval for PDP to transmit packets outside, which ranges from 5 seconds to 254 seconds. The unit is second.

Default Value

The default settings is 60 seconds.

Usage Guidelines

This command is configured in global configuration mode.

Example

The following example shows that a switch transmits PDP packets every 5 seconds.

pdp timer 5

1.1.2 pdp holdtime

Syntax

To set the time of the PDP timer, run this command. To return to the default setting, use the no form of this command.

[no|default] pdp holdtime seconds

Parameters

Parameters	Description
seconds	Means the time needed for deleting the neighbor information, which ranges from 10 to 255 seconds.

Default Value

The default settings is 180 seconds.

Usage Guidelines

This command is configured in global configuration mode.

Example

The following example shows that the neighbor information is kept for 15 seconds.

pdp holdtime 15

1.1.3 pdp version

Syntax

To set the PDP version, run pdp version <1|2>. To disable this command, use the no form of this command.

[no] pdp version <1|2>

Parameters

Parameters	Description
version	Means the PDP version, which is 1 or 2.

Default Value

The default version is version 2.

Usage Guidelines

This command is configured in global configuration mode.

Example

The following example shows that the PDP version of a switch is version 1.

pdp version 1

1.1.4 pdp run

Syntax

To enable PDP, run pdp run. To disable PDP, use the no form of this command.

[no] pdp run

Parameters

None

Default Value

The PDP protocol is disabled.

Usage Guidelines

This command is configured in global configuration mode.

Example

The following example shows to disable PDP.

no pdp run

1.1.5 pdp enable

Syntax

To enable PDP on a port, run pdp enable. To return to the default setting, use the no form of this command.

[no] pdp enable

Parameters

None

Default Value

PDP is enabled by default.

Usage Guidelines

This command is set in port configuration mode and takes effect in port or global mode only when PDP is enabled. It is usually used in diabling protocols of some ports.

Example

The following example shows that PDP is disabled on port g0/1.

switch_config_g0/1#no pdp enable

1.1.6 show pdp traffic

Syntax

To display the number of received PDP packets, run this command.

show pdp traffic

Parameters

None

Default Value

None

Usage Guidelines

It is used to browse the running of PDP.

Example

```
Switch_config#show pdp traffic
Packets output: 253491, Input: 0
Hdr syntax: 0, Chksum error: 0
No memory: 0, Invalid packet: 0
```

1.1.7 show pdp neighbor

Syntax

To display the PDP neighbor, run this command.

show pdp neighbor

Parameters

None

Default Value

None

Usage Guidelines

It is used to browse the running of PDP.

Example

```
Switch_config#show pdp neighbor
Capability Codes: R - Router, T - Trans Bridge, B - Source Route Bridge
                  S - Switch, H - Host, I - IGMP, r - Repeater

Device-ID     Local-Intf  Hldtme  Port-ID     Platform        Capability
Switch        Gig0/1      169     Gig0/1      COM, RISC       R S
```

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