# PDP Configuration Commands

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# CHAPTER 1 PDP CONFIGURATION COMMANDS

## 1.1. PDP Configuration Commands

PDP commands are listed below:

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

### 1.1.1. pdp timer

**Syntax**

**[no|default] pdp timer seconds**

It is used to set the time of the PDP timer.

**Parameter**

| Parameter | Description |
|-----------|-------------|
| *seconds* | Means the interval for PDP to transmit packets outside, which ranges from 5 seconds to 254 seconds. |

**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**

**[no|default] pdp holdtime seconds**

It is used to set the PDP holdtime.

**Parameter**

| Parameter | 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**

**[no] pdp version <1|2>**

It is used to set the PDP version.

**Parameter**

| Parameter | 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**

**[no] pdp run**

It is used to enable PDP.

**Parameter**

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**

**[no] pdp enable**

It is used to enable or disable PDP on a port.

**Parameter**

N/A

**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.

**Example**

The following example shows that PDP is disabled on port f0/1.

switch_config_f0/1#no pdp enable

### 1.1.6. show pdp traffic

**Syntax**

**show pdp traffic**

It is used to display the number of received PDP packets.

**Parameter**

N/A

**Default value**

N/A

**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

**show pdp neighbor**

It is used to display the PDP neighbor.

## Parameter

N/A

## Default value

N/A

## Usage guidelines

It is used to browse the running of PDP neighbor.

## 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 | xxcom, RISC | R S |