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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.

Explanation

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.

#### Explanation

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.

**Explanation**

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.

**Explanation**

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.

Explanation

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

Explanation

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

#### Explanation

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	Fas0/1	169	Gig0/1	, RISC	R S