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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