

FSOS

IP-Def-CPU Configuration

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1. IP-Def-CPU

1.1 IP-Def-CPU Overview

Equipment supports two types of forwarding pattern: 1) flow forwarding; 2) network topology forwarding.


In flow forwarding, it forwards the failure routing or the unreachable packet to CPU for further processing; in network topology forwarding, it discards these packets directly. So you should be careful when you adopt this pattern.

It adopts flow forwarding by default.

1.1.1 Configure IP-Def-CPU

Configure IP-Def-CPU

Operation	Command	Remarks
Enter global configuration mode	configure terminal	required
transmit the unknown packet to cpu	[no] ip def cpu	optional
Display the information	show ip def cpu	optional

 Note:

1. It enables IP-Def-cpu by default even if flow forwarding is adopted;
 2. All vlan interfaces allow unknown packet to transmit to cpu by default. In addition, the corresponding layer-3 interface of the vlan should be existed when configuring.
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1.1.2 Configuration Example

1. Network requirements

Only permit the unknown packet of vlan 100 interface to transmit to cpu. Do not transmit the unknown packet of other vlan to cpu;

2. Configuration steps

```
# disable the function of transmitting the unknown packet to cpu
```



```
SW(config)#no ip def cpu
```

```
# permit the unknown packet of vlan 100 to transmit to cpu.
```

```
SW(config)#vlan 100
```

```
SW(config-if-vlan)#interface vlan-interface 100
```

```
SW(config-if-vlanInterface-100)#ex
```

```
SW(config)#ip def cpu vlan 100
```

```
# Display the configuration
```

```
SW(config)#show ip def cpu
```

```
Routing def routes and def hosts to CPU: : FALSE
```

```
The IP destination of packet belonged to vlan interface can be send to CPU:
```

```
VLAN 100
```