

Switch vlan-mapping configuration example

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Network Topology

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Configuring vlan-mapping to achieve normal mutual access between PCs

Problem Description

PC1 is divided into vlan10 by S5560, and is mapped to vlan1000 by vlan mapping on port 1/0/15 passing S5130.

PC1: 192.168.200.1/24;

PC2: 192.168.200.2/24;

S5130's SVI1000 address is 192.168.200.3/24

Process Analysis

ICMP packets are sent to cpu before vlan-mapping action

Solution

S5130 configuration:

```
#
interface GigabitEthernet1/0/15
port link-type trunk
port trunk permit vlan 10 1000
vlan mapping 10 translated-vlan 1000
#
```

```
interface GigabitEthernet1/0/16
port access vlan 1000
poe enable
#
```

S5500 configuration :

```
#
interface GigabitEthernet1/0/5
port link-mode bridge
port access vlan 10
#
interface GigabitEthernet1/0/6
port link-mode bridge
port link-type trunk
port trunk permit vlan 10
#
```

Experimental results:

1. PC1 can learn the arp of PC2 and SVI1000; can access PC2 normally

```
<S5130> dis arp
```

```
192.168.200.2 5cdd-70c1-ef51-GE2 / 6/1 20 D
```

```
192.168.200.3 741f-4a84-aae2-GE2 / 6/1 5 D
```

2. PC2 cannot access SVI1000 of S5130: ICMP packets are sent to cpu before vlan-mapping action