Troubleshoot a large number of MAC address MAC-move

Network Topology

As this picture:
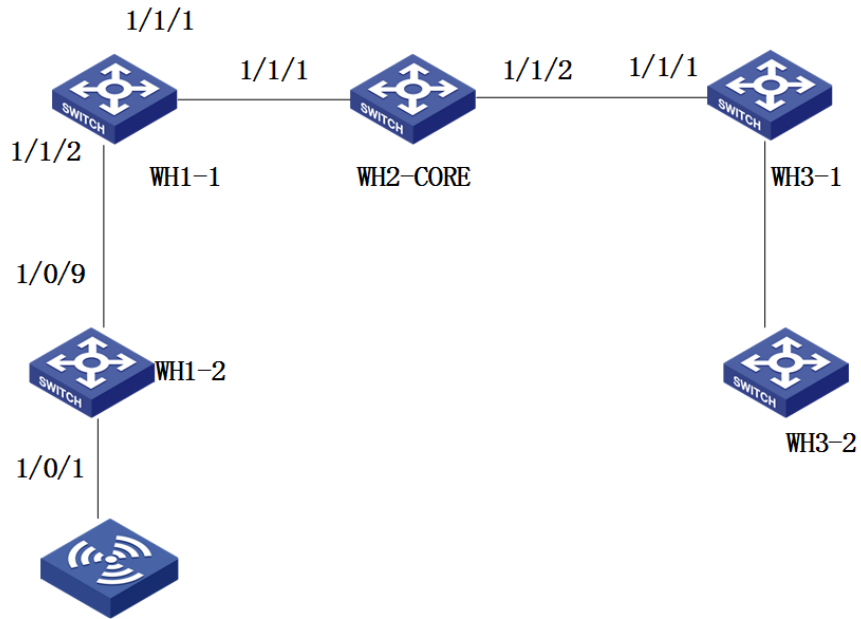
A large number of MAC movement records are generated on WH 1-2, and the MAC addresses are all AP addresses, not terminal addresses.

```
 ===============display mac-address mac-move===============
MAC address    VLAN Current port  Source port  Last time          Times
882a-5e7f-6cf0  99    GE1/0/9     GE1/0/1  2021-06-30 00:28:33     280
882a-5e7f-b910  99    GE1/0/9     GE1/0/2  2021-06-30 00:29:15     276
882a-5e7f-79e0  99    GE1/0/9     GE1/0/3  2021-06-30 00:28:47     275
882a-5e7f-c4e0  99    GE1/0/9     GE1/0/4  2021-06-30 00:28:24     267
882a-5e7f-f330  99    GE1/0/9     GE1/0/5  2021-06-30 00:30:05     269
882a-5e7f-6cf0  99    GE1/0/1     GE1/0/9  2021-06-30 00:28:37     279
882a-5e7f-b910  99    GE1/0/2     GE1/0/9  2021-06-30 00:29:24     276
882a-5e7f-79e0  99    GE1/0/3     GE1/0/9  2021-06-30 00:28:50     275
882a-5e7f-c4e0  99    GE1/0/4     GE1/0/9  2021-06-30 00:28:29     267
882a-5e7f-f330  99    GE1/0/5     GE1/0/9  2021-06-30 00:28:33     268
```

1.Select one of the mac addresses for analysis[882a-5e7f-6cf0]

2.Use the command display mac-address mac-move | inc 882a-5e7f-6cf0 to find the mac move record.For example:

 [CoreSWITCH-WH2]dis mac-add mac-move | inc 882a-5e7f-6cf0

882a-5e7f-6cf0   99   **XGE1/1/2**   **XGE1/1/1**   2021-07-08 14:48:17   1533

882a-5e7f-6cf0   99   XGE1/1/1   XGE1/1/2   2021-07-08 14:48:20   1522

3.It can be found that mac movement is only carried out between two ports.

4.Find the devices corresponding to the two ports and use the same command to troubleshoot the source.

5.Finally found a device without a MAC mobile record---There is a problem with the loop connection or error configuration of this device.

6.According to the above method, we finally found that there is no record of MAC move on WH 3-2.

After checking WH3-2, the following configuration was found:

[SWITCH-WH3-2-Ten-GigabitEthernet1/0/9]dis th

interface Ten-GigabitEthernet1/0/9

 port link-mode bridge

 description == TO WH3-1 ==

 port link-type trunk

 port bridge enable

 port trunk permit vlan 1 10 99

 port trunk pvid vlan 99

 packet-filter name deny-to-mgnt inbound

#

The following is an explanation about this command:

port bridge enable

Use port bridge enable to enable bridging on an Ethernet interface.

Use undo port bridge enable to disable bridging on an Ethernet interface.

Syntax

undo port bridge enable

Default

Bridging is disabled on an Ethernet interface.

Views

Layer 2 Ethernet interface view

Predefined user roles

network-admin

Usage guidelines

By default, the device drops packets whose outgoing interface and incoming interface are the same.

To enable the device to forward such packets rather than drop them, execute this command in Ethernet interface view.

After the device receives a broadcast or unknown unicast packet, the device forwards the packet through all interfaces in the VLAN to which the incoming interface of the packet belongs.

Do not add interfaces configured with this command to an aggregation group.

Examples

Enable bridging on GigabitEthernet 1/0/1.

<Sysname> system-view

[Sysname] interface gigabitethernet 1/0/1

[Sysname-GigabitEthernet1/0/1]undo port bridge enable