



105 组播表项显示异常

组播VLAN

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组网及说明

不涉及

问题描述

两台10508 (version 7.1.070, Release 7595) , 同一个组播源, 查看主备设备pim routing-table, 主设备有SSM表项, 备设备没有

过程分析

查看配置，就是ssm-policy配置的原因，主设备上表项，组播组地址范围在ssm-policy定义允许的组播组的地址范围，匹配通过，则组播运行模式为PIM-SSM。备设备不在，为PIM-SM。

如果匹配通过，则组播运行模式为PIM-SSM，否则为PIM-SM。

(10.20.13.1, 232.20.13.1)

```
Protocol: pim-ssm, Flag: NONBR 2MVPN
UpTime: 59w:6d
Upstream interface: Vlan-interface141
Upstream neighbor: 172.20.13.2
RPF prime neighbor: NULL
Downstream interface information:
Total number of downstream interfaces: 5
1: Vlan-interface127
Protocol: igmp, UpTime: 1w:3d, Expires: -
2: Vlan-interface140
Protocol: igmp, UpTime: 53w:4d, Expires: -
3: Vlan-interface161
Protocol: igmp, UpTime: 19w:5d, Expires: -
4: Vlan-interface165
Protocol: igmp, UpTime: 05:34:20, Expires: -
5: Vlan-interface167
Protocol: igmp, UpTime: 3w:3d, Expires: -
```

主:

```
#
pim
c-bsr 172.31.0.3
static-rp 172.31.0.3 2000
ssm-policy 2000
#
#
acl basic 2000
description be used for PIM
rule 0 permit source 232.20.0.0 0.0.255.255 16位: 232.20.0.1 -----232.20.255.254
rule 1 permit source 232.24.0.0 0.0.255.255
rule 5 permit source 232.23.0.0 0.0.255.255
#
```

备:

在备设备dis pim rou这个文件并未找到网段内地址。所以没有匹配，为sm

```
pim
c-bsr 172.31.0.4
static-rp 172.31.0.4
ssm-policy 2000
#
#
acl basic 2000
rule 20 permit source 232.0.0.0 0.0.0.255 24位: 232.0.0.1 -----232.0.0.254
#
```

解决方法

理解问题，非故障

