

知 drni + vrrp, 终端ping实地址无法ping通

VRRP

VLAN

Private VLA

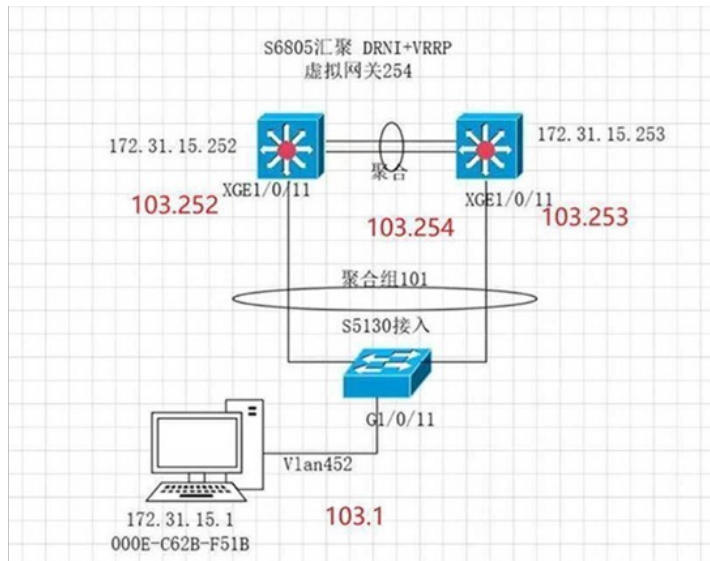
唐广

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组网及说明

(drni主设备): 对应vrrp的实IP是103.252

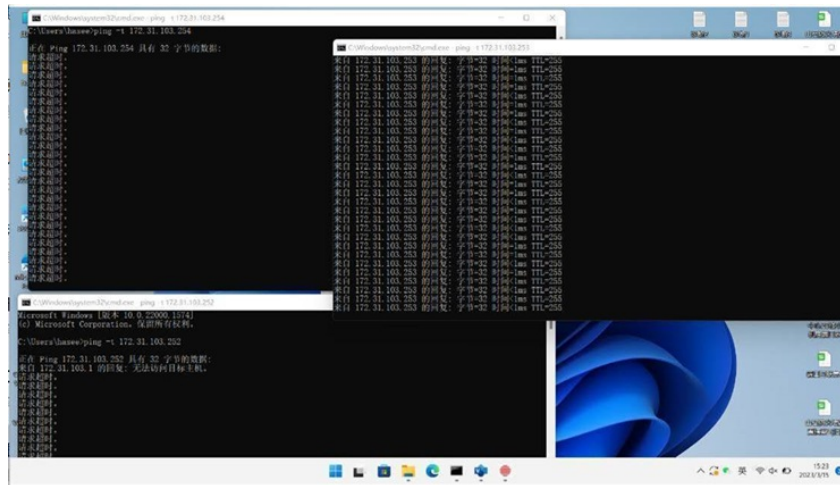
(drni备设备): 对应vrrp的实IP是103.253



问题描述

问题现象:

- 1、终端IP地址是103.1去ping，vrrp的实IP是（主设备）103.252和虚地址103.254不通
- 2、终端IP地址是103.1去ping，vrrp的实IP是（备设备）103.253可以通过，虚地址103.254不通



过程分析

- 1、用103.1ping103.253可以ping通，可以学习到arp

```
<SHTZA3-TG-HJS6805-2_T203F1001U>dis arp vpn-instance 452
Type: S-Static    D-Dynamic    O-Openflow  R-Rule    M-Multiport  I-Invalid
IP address      MAC address      VLAN/VSI name Interface      Aging Type
172.31.103.1    000e-c62b-f51b  452            BAGG101        1180 D
<SHTZA3-TG-HJS6805-2_T203F1001U>
```

- 2、用103.1ping103.252不可以ping通，学习不到arp

```
<SHTZA3-TG-HJS6805-1_T203F0901U>dis arp vpn-instance 452
Type: S-Static    D-Dynamic    O-Openflow  R-Rule    M-Multiport  I-Invalid
IP address      MAC address      VLAN/VSI name Interface      Aging Type
<SHTZA3-TG-HJS6805-1_T203F0901U>
<SHTZA3-TG-HJS6805-1_T203F0901U>dis arp vpn-instance 452
Type: S-Static    D-Dynamic    O-Openflow  R-Rule    M-Multiport  I-Invalid
IP address      MAC address      VLAN/VSI name Interface      Aging Type
<SHTZA3-TG-HJS6805-1_T203F0901U>dis arp vpn-instance 452
```

- 3、两台设备可以学习到mac地址

```
=====display mac-address=====
MAC Address      VLAN ID  State      Port/Nickname  Aging
28e4-244f-d4cb   451      Learned    BAGG103        Y
000e-c62b-f51b   452      Learned    BAGG101        Y
0000-5e00-0103   902      Learned    BAGG2          Y
54c6-ff90-d05a   902      Learned    BAGG2          Y
54c6-ff90-d05b   902      Learned    BAGG2          Y
a8c9-8aae-cffa   902      Learned    BAGG3          Y
a8c9-8aae-cffb   902      Learned    BAGG3          Y
001c-54ff-0809   907      Learned    BAGG4          Y
001c-54ff-080a   907      Learned    BAGG4          Y
001c-54ff-0814   907      Learned    BAGG4          Y
3029-5276-b647   907      Learned    BAGG4          Y
3029-5277-2b48   907      Learned    BAGG5          Y
3029-5277-2b49   907      Learned    BAGG5          Y
3029-5277-2b53   907      Learned    BAGG5          Y
```

- 4、ipp口未配置配置undo mac-address static source-check enable不检查源MAC地址规避配置该命令后还是ping不通

- 5、连接接入设备的聚合口都是trunk口

```
interface Bridge-Aggregation101
description TO_SHTZA3-TG-ILOS5560-1
port link-type trunk
undo port trunk permit vlan 1
port trunk permit vlan 451 to 454 600 to 799
link-aggregation mode dynamic
port lacp system-priority 101
port drni group 101
```

- 6、根因：汇聚设备上配置了private vlan

配置了private vlan后，vlan虚接口变成了PrimaryVlan，不支持绑定vpn

/*201711060574 by zhangjiukui 15392 PRIMARY VLAN 不支持。*/

```
uiResult = DRV_VLAN_IsPrimaryVlan(uiVlanId);
if (ERROR_SUCCESS == uiResult)
{
    DRV_DBG_PRINT(IC_LEVEL_ERR, \
        "DRV_VLAN_IsPrimaryVlan return err,the vlanid = %d\r\n",
        uiVlanId);
    return ERROR_NOTSUPPORT;
}
```

解决方法

建议将private配置改到二层设备上使用，当前接口下两个功能不能同时配置

