

知 某局点S10506 vsi接口策略路由不生效

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组网及说明

无

问题描述

VSI接口下配置，策略路由不生效，在PCTracer没有走配置中的下一跳

过程分析

VSI接口下配置，策略路由不生效，在PCTracer没有走配置中的下一跳

1、策略路由下发正常，无报错

```
display ip policy-based-route interface Vsi-interface 3734
Policy-based routing information for interface Vsi-interface3734:
Policy name: test
node 10 permit:
  if-match acl 3000
  apply next-hop vpn-instance vpn-default10.xx.xx.1
Matched: 0
Total matched: 0
```

2、设备带源ping策略路由由下一跳可达

```
[spine-5.15]ping -vpn-instance vpn-default -a 10.xx.xx.2 10.xx.xx.1
Ping 10.xx.xx.1 (10.xx.xx.1) from 10.xx.xx.2: 56 data bytes, press CTRL+C to break
56 bytes from 10.xx.xx.1: icmp_seq=0 ttl=255 time=2.401 ms
56 bytes from 10.xx.xx.1: icmp_seq=1 ttl=255 time=1.860 ms
56 bytes from 10.xx.xx.1: icmp_seq=2 ttl=255 time=1.495 ms
56 bytes from 10.xx.xx.1: icmp_seq=3 ttl=255 time=1.412 ms
56 bytes from 10.xx.xx.1: icmp_seq=4 ttl=255 time=1.565 ms
```

3、PC地址在ACL范围

```
acl advanced 3000
rule 0 permit ip source 10.xx.xx.128 0.0.0.15
```

4、报文入接口绑定VPN，调用PBR

```
#
interface Vsi-interface3734
ip binding vpn-instance vpn-default
ip address 10.xx.xx.129 255.255.255.240
mac-address 0000-0000-0001
local-proxy-arp enable
ip policy-based-route test
local-proxy-nd enable
distributed-gateway local
```

5、下一跳所在接口绑定VPN

```
interface Vlan-interface55
description ceshi
ip binding vpn-instance vpn-default
ip address 10.xx.xx.2 255.255.255.0
#
int Ten-GigabitEthernet 2/0/0/35
port link-type access
port access vlan 55
```

6、acl资源充足，看配置指导未触发限制

```
[spine-5.15]display qos-acl resource chassis 2 slot 0
Interfaces: XGE2/0/0/1 to XGE2/0/0/48 (chassis 2 slot 0)
```

Type	Total	Reserved	Configured	Remaining	Usage
VFP ACL	1024	768	0	256	75%
IFP ACL	16384	6144	5	10235	37%
IFP Meter	8192	3072	0	5120	37%
IFP Counter	8192	3072	0	5120	37%
EFP ACL	1024	0	0	1024	0%
EFP Meter	512	0	0	512	0%
EFP Counter	512	0	0	512	0%
116 Policy Based Routing V4			FALSE	10	66
117 Policy Based Routing V6			FALSE	10	67

于是重新分析流量走向，分布式网关，他要在spine上针对终端报文进行重定向，这个时候需要在int vs
解决方法
(4092 (终端网关对应的I3vpi 接口) 下发才能转发。

在leaf的时候是终端网关对应的配置接口层转发的时候，spine就必须配置在I3vpi，因为leaf设备封装着
I3vpi过去的，其实解封装的是I3vni这个口，所以需要4092口下发pbr，spine往leaf的回程报文，如果想
重定向，也是同理。

