

Switches 龚训杰 2020-12-11 Published

NULL

## **Problem Description**

When configuring PBR on the int vsi interface, it prompts that the operation is not supported

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SH-5F-CORE-S6520X-1
SH-5F-CORE-S6520X-1
SH-5F-CORE-S6520X-1
SH-5F-CORE-S6520X-1]
SH-5F-CORE-S6520X-1]int vsi
SH-5F-CORE-S6520X-1]int Vsi-interface 2502
SH-5F-CORE-S6520X-1-Vsi-interface2502]
SH-5F-CORE-S6520X-1-Vsi-interface2502]int Vsi-interface 3502
SH-5F-CORE-S6520X-1-Vsi-interface3502]
SH-5F-CORE-S6520X-1-Vsi-interface3502]dis this
nterface Vsi-interface3502
ip binding vpn-instance vpn-default ip address 10.3.32.1 255.255.255.0
mac-address 0000-0000-0001
local-proxy-arp enable dhcp select relay proxy
dhcp relay information circuit-id vxlan-port
dhcp relay information enable dhcp relay server-address 10.3.255.253
dhcp relay source-address interface Vsi-interface4094 dhcp relay request-from-tunnel discard
SH-5F-CORE-S6520X-1-Vsi-interface3502]
SH-5F-CORE-S6520X-1-Vsi-interface3502]ip po
SH-5F-CORE-S6520X-1-Vsi-interface3502]ip policy-based-route 1 ?
SH-5F-CORE-S6520X-1-Vsi-interface3502]ip policy-based-route 1
SH-5F-CORE-S6520X-1-Vsi-interface3502]ip policy-based-route 1 be operation is not supported.
SH-5F-CORE-S6520X-1-Vsi-interface3502]
```

```
SH-5F-CORE-S6520X-1]
SH-5F-CORE-S6520X-1]
SH-5F-CORE-S6520X-1]int vsi
SH-5F-CORE-S6520X-1]int Vsi-interface 2502
SH-5F-CORE-S6520X-1-Vsi-interface2502]
SH-5F-CORE-S6520X-1-Vsi-interface2502]int Vsi-interface 3502
 SH-5F-CORE-S6520X-1-Vsi-interface350
SH-5F-CORE-S6520X-1-Vsi-interface3502] dis this
ip binding vpn-instance vpn-default ip address 10.3.32.1 255.255.255.0
     -address 0000-0000-0001
local-proxy-arp enable
dhcp select relay proxy
dhcp relay information circuit-id vxlam-port
dhcp relay information enable
dhcp relay server-address 10.3.255.253
dhcp relay source-address interface Vsi-interface4094
dhcp relay request-from-tunnel discard
distributed-gateway local
SH-5F-CORE-S6520X-1-Vsi-interface3502]
SH-5F-CORE-S6520X-1-Vsi-interface3502]ip po
SH-5F-CORE-S6520X-1-Vsi-interface3502]ip policy-based-route 1 ?
SH-5F-CORE-S6520X-1-Vsi-interface3502]ip policy-based-route 1
      F-CORE-S6520X-1-Vsi-interface3502]ip policy-based-route 1 peration is not supported.
SH-5F-CORE-S6520X-1-Vsi-interface3502]
```

This is because the VPN is specified in the ACL rule called by PBR. The underlying hardware of the d evice chip does not support ACL matching vpn, so if PBR calls this ACL, an error will be reported. Ev en if the matching VPN is not written in the rule, the traffic of source 10.3.32.3 can be matched (the c urrent chip's underlying hardware does not support ACL matching VPN. The disadvantage is that in e nvironments such as MPLS, if multiple VPNs use the same network segment, At this time, the ACL wi Il match all VPNs that exist in the network segment, and it cannot exactly match the network segment in a specific VPN).

The reason why the rule binding VPN can be configured is because ACL can also be used for softwar e platform functions, such as ssh sever acl 3010. In addition, as long as the ACL application that will d eliver the underlying hardware has this restriction, such as QOS. This restriction exists whether it is a pplied to the int vlan port or the int vsi port.

The test is as follows:

[2034-S6520X-EI]acl advanced 3010

[2034-S6520X-EI-acl-ipv4-adv-3010] rule 10 permit ip vpn-instance vpn-default source 10.3.32.3 0

[2034-S6520X-EI-acl-ipv4-adv-3010]quit

[2034-S6520X-EI]policy-based-route 1 permit node 1

[2034-S6520X-EI-pbr-1-1] if-match acl 3010

[2034-S6520X-EI-pbr-1-1] apply next-hop vpn-instance vpn-default 172.31.2.9

[2034-S6520X-EI-pbr-1-1]#

[2034-S6520X-EI-pbr-1-1]quit

[2034-S6520X-EI]int Vsi-interface 3503

[2034-S6520X-EI-Vsi-interface3503]dis th

#

interface Vsi-interface3503

description jituan\_caiwu

ip binding vpn-instance lan

ip address 10.88.136.1 255.255.254.0

#

return

[2034-S6520X-EI-Vsi-interface3503]ip policy-based-route 1 ?

<cr>

[2034-S6520X-EI-Vsi-interface3503]ip policy-based-route 1

The operation is not supported.

When applying QOS based on this ACL flow system, the following error will be reported.

[2034-S6520X-EI-Ten-GigabitEthernet1/0/1]qos apply policy p1 inbound

[2034-S6520X-EI-Ten-GigabitEthernet1/0/1]%Jun 24 04:28:49:568 2013 2034-S6520X-EI QOS/4/QO

S\_POLICY\_APPLYIF\_CBFAIL: Failed to apply classifier-behavior c1 in policy p1 to the inbound

direction of interface Ten-GigabitEthernet1/0/1. In a classifier with AND operator, you cannot configur e multiple ACL match rules.

[2034-S6520X-EI-Ten-GigabitEthernet1/0/1]qos apply policy p1 out

 $[2034\text{-S}6520\text{X-EI-Ten-GigabitEthernet1/0/1}] qos\ apply\ policy\ p1\ outbound$ 

[2034-S6520X-EI-Ten-GigabitEthernet1/0/1]%Jun 24 04:29:26:010 2013 2034-S6520X-EI QOS/4/QO

S\_POLICY\_APPLYIF\_CBFAIL: Failed to apply classifier-behavior c1 in policy p1 to the outbound dire ction of interface Ten-GigabitEthernet1/0/1. In a classifier with AND operator, you cannot configure m ultiple ACL match rules

## Solution

Cancel the vpn binding in the rule, and then it can be delivered successfully.

acl advanced 3010

rule 10 permit ip source 10.3.32.3 0

#

#

policy-based-route 1 permit node 1

if-match acl 3010

apply next-hop vpn-instance vpn-default 172.31.2.9

#

[2034-S6520X-EI]int Vsi-interface 3503

[2034-S6520X-EI-Vsi-interface3503]dis th

#

interface Vsi-interface3503

description jituan\_caiwu

ip binding vpn-instance lan

ip address 10.88.136.1 255.255.254.0

[2034-S6520X-EI-Vsi-interface3503]ip policy-based-route 1

[2034-S6520X-EI-Vsi-interface3503]dis th

#

interface Vsi-interface3503

description jituan\_caiwu
ip binding vpn-instance lan
ip address 10.88.136.1 255.255.254.0
ip policy-based-route 1
#