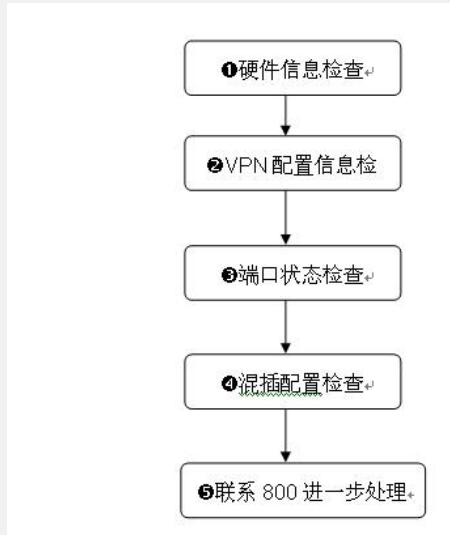


S9500交换机MPLS L3 VPN 混插业务不正常问题处理方法

一、故障处理流程



图一、混插业务不正常故障处理流程

二、故障处理步骤

1) 步骤1

通过display device命令，确定当前系统中存在MPLS VPN增强型单板。如果不存在增强型单板，无法支持MPLS混插。

<S9500>display device

Slot No.	Brd Type	Brd Status	Subslot Num	Sft Ver
0	NONE	Absent	0	None
1	LSB2FT48C0	Normal	1	S9500-VRP310-F1271
2	NONE	Absent	0	None
3	NONE	Absent	0	None
4	NONE	Absent	0	None
5	NONE	Absent	0	None
6	LSB1SRPB	Master	0	S9500-VRP310-F1271
7	NONE	Absent	0	None
8	NONE	Absent	0	None
9	NONE	Absent	0	None
10	NONE	Absent	0	None
11	NONE	Absent	0	None
12	NONE	Absent	0	None
13	LSB1FT48B0	Normal	1	S9500-VRP310-F1271

2) 步骤2

检查VPN相关配置信息，确定VLAN接口的VPN配置是否正确。确定VPN相关配置正确，请转步骤3。

3) 步骤3

确定入端口的配置信息和状态，是否允许该VLAN通过，端口是否配置dot1x等协议，端口STP状态是否正确，是否配置ACL过滤规则。确定端口配置正确，请转步骤4。

4) 步骤4

使用命令display current-configuration interface确定入端口是否正确配置重定向规则，把需要进行MPLS转发的报文重定向到增强型单板的端口，重点关注目的端口和目的VLAN是否正确。

[S9500]display current-configuration interface e13/1/3

```

#
interface Ethernet13/1/3
port access vlan 400
traffic-redirect inbound ip-group 3000 rule 0 system-index 1 interface Ethernet
1/1/1 400 I3-vpn
  
```

```
#
return
确定目的端口状态是否UP，端口STP等状态是否正确。
[S9500]display interface Ethernet 1/1/1
Ethernet1/1/1 current state : UP
IP Sending Frames' Format is PKTFMT_ETHNT_2, Hardware address is 00e0-fc4f-
017e
The Maximum Transmit Unit is 1500
Media type is twisted pair, loopback set internal
Port hardware type is 100_BASE_TX
100Mbps-speed mode, full-duplex mode
Link speed type is autonegotiation, link duplex type is autonegotiation
Flow-control is not enabled
The Maximum Frame Length is 1552
Broadcast MAX-ratio: 50%
Allow jumbo frame to pass
MixInsert-Port VPN status:13 vpn access loopback port
PVID: 1
Mdi type: auto
Link-status hold interval:3 Sec
Port link-type: trunk
VLAN passing : 400
VLAN permitted: 400
Trunk port encapsulation: IEEE 802.1q
Last 300 seconds input: 0 packets/sec 16 bits/sec 0%
Last 300 seconds output: 0 packets/sec 16 bits/sec 0%
Input(total): 12 packets, 990 bytes
- broadcasts, - multicasts
Input(normal): 12 packets, 990 bytes
0 broadcasts, 12 multicasts
Input: 0 input errors, 0 runts, 0 giants, 0 throttles, 0 CRC
0 frame, 0 overruns, - aborts, 0 ignored, - parity errors
Output(total): 12 packets, 990 bytes
- broadcasts, - multicasts, 0 pauses
Output(normal): 12 packets, 990 bytes
0 broadcasts, 12 multicasts, 0 pauses
Output: 0 output errors, - underruns, - buffer failures
0 aborts, 0 deferred, - collisions, 0 late collisions
- lost carrier, - no carrier
Receive Packet Peak Value Info: 664 bytes, happened at 16:30:27 3-18-2006
Transmit Packet Peak Value Info: 664 bytes, happened at 16:30:27 3-18-2006
```

##### 5) 步骤5

上述步骤无法定位问题，请联系800进一步处理。