

# 知 某局点WTU430H有线口网络不通问题排查经验案例

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某局点采用终结者WT1010和WTU430H部署无线网络，无线都已正常，但是后续业务扩展，需要使用WTU430H的有线口，并且要求有线vlan跟无线vlan隔离开，通过map文件下发之后，发现本体和分体配置都已成功下发，上行口都已trunk vlan通过，但是有线口下的电脑获取不到地址，手工配置地址也无法ping通网关，在分体WTU430H上创建vlan跟本体WT1010也不通，初步怀疑是WT1010的问题，业务没有放通，但是查看配置WTU的上行口已trunk vlan，本体的WTU口默认也是放通vlan的，上行口也同样trunk vlan通过了。

关键配置信息：

本体：

```
interface Vlan-interface1
ip address dhcp-alloc
#
interface Vlan-interface10
ip address 192.168.254.254 255.255.255.252
#
interface GigabitEthernet1/0/1
port link-mode bridge
port link-type trunk
port trunk permit vlan all
#
interface GigabitEthernet1/0/2
port link-mode bridge
port link-type trunk
port trunk permit vlan all
#
interface GigabitEthernet1/0/3
port link-mode bridge
port link-type trunk
port trunk permit vlan all
#
interface GigabitEthernet1/0/4
port link-mode bridge
#
interface GigabitEthernet1/0/5
port link-mode bridge
#
interface WTU-Ethernet1/0/1
#
interface WTU-Ethernet1/0/2
```

分体配置：

```
interface Vlan-interface1
ip address dhcp-alloc
#
interface Vlan-interface10
ip address 192.168.254.253 255.255.255.252
#
interface Vlan-interface2756
ip address dhcp-alloc
#
interface GigabitEthernet1/0/1
port link-type trunk
port trunk permit vlan all
#
interface GigabitEthernet1/0/2
port access vlan 2756
port-isolate enable
#
interface GigabitEthernet1/0/3
```

```

port access vlan 2757
port-isolate enable
#
interface GigabitEthernet1/0/4
port access vlan 2759
port-isolate enable

```

ping 测试结果:

```

[wt-sy33d-1]
[wt-sy33d-1]ping 192.168.254.254
Ping 192.168.254.254 (192.168.254.254): 56 data bytes, press CTRL_C to break
56 bytes from 192.168.254.254: icmp_seq=0 ttl=255 time=0.125 ms
56 bytes from 192.168.254.254: icmp_seq=1 ttl=255 time=0.079 ms
56 bytes from 192.168.254.254: icmp_seq=2 ttl=255 time=0.080 ms
56 bytes from 192.168.254.254: icmp_seq=3 ttl=255 time=0.063 ms
56 bytes from 192.168.254.254: icmp_seq=4 ttl=255 time=0.069 ms

--- Ping statistics for 192.168.254.254 ---
5 packet(s) transmitted, 5 packet(s) received, 0.0% packet loss
round-trip min/avg/max/std-dev = 0.063/0.083/0.125/0.022 ms
[wt-sy33d-1]ping 192.168.254.253
Ping 192.168.254.253 (192.168.254.253): 56 data bytes, press CTRL_C to break
Request time out

----- ETC -----
<sy33d-1f-101>
<sy33d-1f-101>ping 192.168.254.253
Ping 192.168.254.253 (192.168.254.253): 56 data bytes, press CTRL_C to break
56 bytes from 192.168.254.253: icmp_seq=0 ttl=255 time=0.510 ms
56 bytes from 192.168.254.253: icmp_seq=1 ttl=255 time=0.226 ms
56 bytes from 192.168.254.253: icmp_seq=2 ttl=255 time=0.223 ms

--- Ping statistics for 192.168.254.253 ---
3 packet(s) transmitted, 3 packet(s) received, 0.0% packet loss
round-trip min/avg/max/std-dev = 0.223/0.320/0.510/0.135 ms
<sy33d-1f-101>ping 192.168.254.254
Ping 192.168.254.254 (192.168.254.254): 56 data bytes, press CTRL_C to break
Request time out

```

后续通过采集本体的诊断信息发现，本体命令中多处两个接口，跟产品线确认这两个接口是内联口，也是需要trunk 允许vlan 通过的，才能保证从WTU口进的数据流，通过内联口转发到本体的上行口出去，但是这两个内联口不需要配置聚合，只需trunk vlan 通过就可以。

把本体的两个内联口配置trunk 之后，允许有线业务vlan 通过，问题解决。

```

interface GigabitEthernet1/0/4
port link-mode bridge
port link-type trunk
port trunk permit vlan all
#
interface GigabitEthernet1/0/5
port link-mode bridge
port link-type trunk
port trunk permit vlan all

```

- 1.老款的终结者本体直通模式的情况下会有内联口，如果数据业务要过去，需要trunk 对应vlan 通过，否则业务不通。 (WT1010、WT1020等)
- 2.WT1024-X 直通模式已没有内联口。
- 3.当前版本下WT1010的直通模式下两个内联口不需要聚合，但是WT1020直通模式内联口需要聚合。