

知 S7503E-M在配置GRE隧道时提示硬件资源不足问题解决方法

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使用S7503E交换机搭建GRE VPN时，tunnel接口始终不UP。检查路由、配置等信息后全部正常。

```
<H3C>dis int brief
```

Brief information on interfaces in route mode:

Link: ADM - administratively down; Stby - standby

Protocol: (s) - spoofing

Interface	Link	Protocol	Primary IP	Description
NULL0	UP	UP(s)	--	
Tun1	DOWN	DOWN	10.10.20.20	

通过设备日志发现日志中有下面提示：

```
<H3C>*Jan 6 13:20:08:575 2017 H3C TUNNEL/7/event:
```

Processing result of operation 2 for Tunnel1: failed.

```
*Jan 6 13:20:08:575 2017 H3C TUNNEL/7/event:
```

Tunnel1 can't come up because there is no enough hardware resource.

创建业务环回组1，并配置服务类型为Tunnel。

```
<SwitchA> system-view
```

```
[SwitchA] service-loopback group 1 type tunnel
```

将接口GigabitEthernet1/0/4加入业务环回组1。

```
[SwitchA] interface gigabitethernet 1/0/4
```

```
[SwitchA-GigabitEthernet1/0/4] port service-loopback group 1
```

```
[SwitchA-GigabitEthernet1/0/4] quit
```

在交换机中配置GRE时一定要将业务环回组加入到物理端口，只要有对应的接口资源后tunnel接口就会UP。