

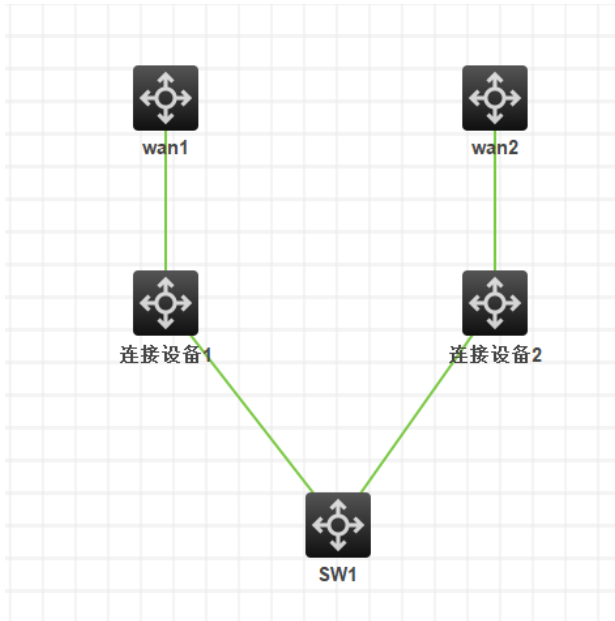
知 S7506E交换机配置track联动静态路由切换不生效

静态路由 NQA Track 彭旭 2021-12-03 发表

组网及说明

组网如下：

SW1正常情况下走wan1，当nqa探测到wan1地址不可达的时候进行路由切换，下一跳切换到wan2



问题描述

S7506E静态路由结合track做联动，关键配置如下：

```
#
nqa entry admin wan1
type icmp-echo
destination ip 10.1.1.1
frequency 100
next-hop ip 10.1.1.1
reaction 1 checked-element probe-fail threshold-type consecutive 5 action-type trigger-only
#
nqa entry admin wan2
type icmp-echo
destination ip 10.2.1.1
frequency 100
next-hop ip 10.2.1.1
reaction 1 checked-element probe-fail threshold-type consecutive 5 action-type trigger-only
#
nqa schedule admin wan1 start-time now lifetime forever
nqa schedule admin wan2 start-time now lifetime forever
#
track 1 nqa entry admin wan1 reaction 1
track 2 nqa entry admin wan2 reaction 1
#
ip route-static 10.42.182.0 24 10.1.1.1 preference 30 description To_Guangzhou1 track 1
ip route-static 10.42.182.0 24 10.2.1.1 preference 70 description To_Guangzhou1 track 2
将中间连接设备连接wan1的线缆拔掉，ping包不通了，NQA探测提示失败，但是查看路由还是在
[SJ_CORE_OM1_1F_H7506]ping 10.1.1.1
Ping 10.1.1.1 (10.1.1.1): 56 data bytes, press CTRL+C to break
Request time out
Request time out
Request time out
Request time out
Request time out
--- Ping statistics for 10.1.1.1 --- 5 packet(s) transmitted, 0 packet(s) received, 100.0% packet loss
路由：
[SJ_CORE_OM1_1F_H7506]dis ip rou 10.42.182.0
Summary count : 3
Destination/Mask Proto Pre Cost NextHop Interface
0.0.0.0/0 Static 60 0 33.33.33.1 Vlan10
10.0.0.0/8 Static 60 0 10.48.199.19 Vlan3990
10.42.182.0/24 Static 30 0 10.1.1.1 GE1/3/0/33
```

过程分析

```
<SJ_CORE_OM1_1F_H7506>dis track all
```

```
Track ID: 1 State: Negative
```

```
Duration: 0 days 0 hours 34 minutes 26 seconds
```

```
Tracked object type: NQA
```

```
Notification delay: Positive 0, Negative 0 (in seconds)
```

```
Tracked object:
```

```
NQA entry: admin wan1
```

```
Reaction: 1
```

```
Remote IP/URL: 10.1.1.1
```

```
Local IP: --
```

```
Interface: --
```

```
Track ID: 2
```

```
State: Positive
```

```
Duration: 0 days 1 hours 29 minutes 30 seconds
```

```
Tracked object type: NQA
```

```
Notification delay: Positive 0, Negative 0 (in seconds)
```

```
Tracked object:
```

```
NQA entry: admin wan2
```

```
Reaction: 1
```

```
Remote IP/URL: 10.1.1.2
```

```
Local IP: --
```

```
Interface: --
```

将配置刷到模拟器测试与现场现象一致，单独测试发现不添加描述信息可以正常track，怀疑是描述信息导致

查看描述信息发现如下：

因为description后面接的设备都会认为是描述文本，所以track不生效：

```
[H3C]ip route-static 30.30.30.30 32 10.1.1.1 description 12 ?
```

```
TEXT Route description (60 characters at most)
```

```
<cr>
```

应该配置为：

```
ip route-static 10.42.182.0 24 10.1.1.1 preference 30 track 1 description To_Guangzhou1
```

解决方法

将现场track配置调整到描述信息前面之后正常

```
ip route-static 10.42.182.0 24 10.1.1.1 preference 30 track 1 description To_Guangzhou1
```

