

知 服务器ping测试延迟大且丢包

STP Ping 韩佳鑫 2022-10-24 发表

问题描述

交换机下接一台服务器ping测试延迟比较大且有丢包情况。

过程分析

查看诊断信息发现有大量的TC报文，导致上送至CPU的报文过多，网络延迟卡顿。

```
%Sep 6 13:44:43:588 2022 6Q-Tor-S6800 STP/6/STP_NOTIFIED_TC: Instance 0"s port Bridge-Agg  
regation100 was notified a topology change.
```

```
%Sep 6 13:44:45:793 2022 6Q-Tor-S6800 STP/6/STP_NOTIFIED_TC: Instance 0"s port Bridge-Agg  
regation100 was notified a topology change.
```

```
%Sep 6 13:44:45:952 2022 6Q-Tor-S6800 STP/6/STP_NOTIFIED_TC: Instance 0"s port Bridge-Agg  
regation100 was notified a topology change.
```

```
%Sep 6 13:44:48:793 2022 6Q-Tor-S6800 STP/6/STP_NOTIFIED_TC: Instance 0"s port Bridge-Agg  
regation100 was notified a topology change.
```

```
%Sep 6 13:44:49:003 2022 6Q-Tor-S6800 STP/6/STP_NOTIFIED_TC: Instance 0"s port Bridge-Agg  
regation100 was notified a topology change.
```

```
%Sep 6 13:44:51:793 2022 6Q-Tor-S6800 STP/6/STP_NOTIFIED_TC: Instance 0"s port Bridge-Agg  
regation100 was notified a topology change.
```

解决方法

开启端口TC报文保护并限速，问题解决。

- 1、接终端的access口开启如下命令保护

```
[SWA]stp bpdu-protection
```

```
[SWA-Ethernet1/0/1]stp edged-port
```

- 2、接交换机的端口开启根端口保护

```
[SWA-Ethernet1/0/1]stp root-protection
```

- 3、开启tc报文保护设置阈值超过即丢弃

```
[SWA]stp tc-protection
```

```
[SWA]stp tc-protection threshold number
```

