

知 S2000-EA系列交换机HWPing—指定端口的TCP (Tcprivate 测试) 功能的配置

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一、组网需求:

HWPing客户端和HWPing服务器都使用H3C S2000-EA系列以太网交换机。在两台交换机之间使用HWPing TCP Private测试本端 (SwitchA) 和指定的目的端 (SwitchB) 之间建立TCP连接的时间, 使用的端口号设置为8000。

二、组网图:



三、配置步骤:

1、配置HWPing Server(Switch B):

开启HWPing服务器, 配置监听的IP地址和端口号。

```
<Sysname> system-view
```

```
[Sysname] hwping-server enable
```

```
[Sysname] hwping-server tcpconnect 10.2.2.2 8000
```

2、配置HWPing Client(Switch A):

开启hwping客户端。

```
<Sysname> system-view
```

```
[Sysname] hwping-agent enable
```

创建一个HWPing测试组。指定的管理员名字为administrator, 测试操作标签为tcprivate。

```
[Sysname] hwping administrator tcprivate
```

配置测试的类型为tcprivate。

```
[Sysname-hwping-administrator-tcprivate] test-type tcprivate
```

配置HWPing 服务器的IP地址为10.2.2.2。

```
[Sysname-hwping-administrator-tcprivate] destination-ip 10.2.2.2
```

配置HWPing 服务器的目的端口。

```
[Sysname-hwping-administrator-tcprivate] destination-port 8000
```

配置一次测试中进行探测的次数为10。

```
[Sysname-hwping-administrator-tcprivate] count 10
```

配置探测的超时时间为5秒。

```
[Sysname-hwping-administrator-tcprivate] timeout 5
```

启动测试操作。

```
[Sysname-hwping-administrator-tcprivate] test-enable
```

查看测试结果。

```
[Sysname-hwping-administrator-tcprivate] display hwping results administrator tcprivate
```

HWPing entry(admin administrator, tag tcprivate) test result:

Destination ip address:10.2.2.2

Send operation times: 10 Receive response times: 10

Min/Max/Average Round Trip Time: 4/7/5

Square-Sum of Round Trip Time: 282

Last succeeded test time: 2000-4-2 8:26:2.9

Extend result:

SD Maximal delay: 0 DS Maximal delay: 0

Packet lost in test: 0%

Disconnect operation number: 0 Operation timeout number: 0

System busy operation number: 0 Connection fail number: 0

Operation sequence errors: 0 Drop operation number: 0

Other operation errors: 0

```
[Sysname-hwping-administrator-tcprivate] display hwping history administrator tcprivate
```

HWPing entry(admin administrator, tag tcprivate) history record:

Index	Response	Status	LastRC	Time
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1	4	1	0	2000-04-02 08:26:02.9
2	5	1	0	2000-04-02 08:26:02.8
3	4	1	0	2000-04-02 08:26:02.8
4	5	1	0	2000-04-02 08:26:02.7
5	4	1	0	2000-04-02 08:26:02.7
6	5	1	0	2000-04-02 08:26:02.6
7	6	1	0	2000-04-02 08:26:02.6
8	7	1	0	2000-04-02 08:26:02.5
9	5	1	0	2000-04-02 08:26:02.5
10	7	1	0	2000-04-02 08:26:02.4

四、配置关键点:

无