

S2000-EA系列交换机HWPing—Jitter测试功能的配置

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。在两台交换机之间进行HWPing Jitter测试, 测试本端(HWPing客户端)和指定的目的端 (HWPing服务器) 之间传送UDP报文的时延抖动, 使用的端口号设置为9000。

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 udpecho 10.2.2.2 9000
```

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Jitter

。

```
[Sysname] hwping administrator Jitter
```

配置测试的类型为Jitter。

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

配置HWPing 服务器的IP地址为10.2.2.2。

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

配置HWPing服务器的目的端口。

```
[Sysname-hwping-administrator-Jitter] destination-port 9000
```

配置一次测试中进行探测的次数为10。

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

配置探测的超时时间为30秒。

```
[Sysname-hwping-administrator-Jitter] timeout 30
```

启动测试操作。

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

查看测试结果。

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

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

Destination ip address:10.2.2.2

Send operation times: 100 Receive response times: 100

Min/Max/Average Round Trip Time: 9/21/13

Square-Sum of Round Trip Time: 18623

Last succeeded test time: 2000-4-2 8:14:58.2

Extend result:

SD Maximal delay: 10 DS Maximal delay: 10

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

Jitter result:

RTT Number:100

Min Positive SD:1 Min Positive DS:1

Max Positive SD:6 Max Positive DS:8

Positive SD Number:38 Positive DS Number:25

Positive SD Sum:85 Positive DS Sum:42
Positive SD average:2 Positive DS average:1
Positive SD Square Sum:267 Positive DS Square Sum:162
Min Negative SD:1 Min Negative DS:1
Max Negative SD:6 Max Negative DS:8
Negative SD Number:30 Negative DS Number:24
Negative SD Sum:64 Negative DS Sum: 41
Negative SD average:2 Negative DS average:1
Negative SD Square Sum:200 Negative DS Square Sum:161
SD lost packets number:0 DS lost packet number:0
Unkown result lost packet number:0

[Sysname-hwping-administrator-Jitter] display hwping history administrator Jitter
HWPing entry(admin administrator, tag Jitter) history record:

Index	Response	Status	LastRC	Time
1	274	1	0	2000-04-02 08:14:58.2
2	278	1	0	2000-04-02 08:14:57.9
3	280	1	0	2000-04-02 08:14:57.6
4	279	1	0	2000-04-02 08:14:57.3
5	280	1	0	2000-04-02 08:14:57.1
6	270	1	0	2000-04-02 08:14:56.8
7	275	1	0	2000-04-02 08:14:56.5
8	263	1	0	2000-04-02 08:14:56.2
9	270	1	0	2000-04-02 08:14:56.0
10	275	1	0	2000-04-02 08:14:55.7

四、配置关键点:
无