

S2000-EA系列交换机HWPing—DHCP测试功能的配置

一、组网需求:

HWPing客户端使用H3C S2000-EA系列以太网交换机, DHCP服务器可使用H3C S5600系列以太网交换机。在两台交换机之间进行HWPing DHCP测试, 测试从DHCP服务器分配到IP地址所需的时间。

二、组网图:



三、配置步骤:

1、配置DHCP Server(Switch B):

在SwitchB上配置DHCP服务器, 关于DHCP服务器的具体配置请参见《H3C S5600系列以太网交换机 操作手册》中“DHCP”部分的详细介绍。

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DHCP。

```
[Sysname] hwping administrator dhcp
```

配置测试类型为DHCP。

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

配置源接口, 此接口必须为vlan接口, DHCP服务器位于和此接口相连的网络上。

```
[Sysname-hwping-administrator-dhcp] source-interface Vlan-interface 1
```

配置一次测试中进行探测的次数为10。

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

配置探测的超时时间为5秒。

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

启动测试操作。

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

查看测试结果。

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

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

```
Send operation times: 10          Receive response times: 10
```

```
Min/Max/Average Round Trip Time: 1018/1037/1023
```

```
Square-Sum of Round Trip Time: 10465630
```

```
Last succeeded test time: 2000-4-3 9:51:30.9
```

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-dhcp] display hwping history administrator dhcp
```

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

Index	Response	Status	LastRC	Time
1	1018	1	0	2000-04-03 09:51:30.9
2	1037	1	0	2000-04-03 09:51:22.9
3	1024	1	0	2000-04-03 09:51:18.9
4	1027	1	0	2000-04-03 09:51:06.8
5	1018	1	0	2000-04-03 09:51:00.8
6	1020	1	0	2000-04-03 09:50:52.8
7	1018	1	0	2000-04-03 09:50:48.8
8	1020	1	0	2000-04-03 09:50:36.8

9	1020	1	0	2000-04-03 09:50:30.8
10	1028	1	0	2000-04-03 09:50:22.8

四、配置关键点:

无