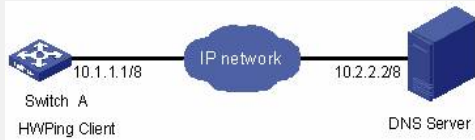


S2000-EA系列交换机HWPing—DNS功能的配置

一、组网需求:

H3C S2000-EA系列以太网交换机作为HWPing客户端, PC作为DNS服务器。在交换机和DNS服务器之间进行HWPing DNS测试, 测试从客户端发送一个DNS请求域名解析报文到收到DNS服务器域名解析结果的时间。

二、组网图:



三、配置步骤:

1、配置DNS Server:

DNS服务器使用Windows 2003 Server, 关于DNS服务器的配置请参见Windows 2003 Server的相关配置指导书。

2、配置HWPing Client(Switch):

```

# 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dns
.
[Sysname] hwping administrator dns
# 配置测试的类型为dns。
[Sysname-hwping-administrator-dns] test-type dns
# 配置dns服务器为10.2.2.2
[Sysname-hwping-administrator-dns] dns-server 10.2.2.2
# 配置dns测试要解析的域名为www.test.com
[Sysname-hwping-administrator-dns] dns resolve-target www.test.com
# 配置一次测试中进行探测的次数为10。
[Sysname-hwping-administrator-dns] count 10
# 配置探测的超时时间为5秒。
[Sysname-hwping-administrator-dns] timeout 5
# 启动测试操作。
[Sysname-hwping-administrator-dns] test-enable
# 查看测试结果。
[Sysname-hwping-administrator-dns] display hwping results administrator dns
HWPing entry(admin administrator, tag dns) test result:
  Destination ip address:10.2.2.2
  Send operation times: 10          Receive response times: 10
  Min/Max/Average Round Trip Time: 6/10/8
  Square-Sum of Round Trip Time: 756
  Last succeeded test time: 2006-11-28 11:50:40.9
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
Dns result:
  DNS Resolve Current Time: 10      DNS Resolve Min Time: 6
  DNS Resolve Times: 10             DNS Resolve Max Time: 10
  DNS Resolve Timeout Times: 0      DNS Resolve Failed Times: 0
[Sysname-hwping-administrator-dns] display hwping history administrator dns
HWPing entry(admin administrator, tag dns) history record:
  Index  Response  Status  LastRC  Time
  1      10        1       0       2006-11-28 11:50:40.9
  
```

| | | | | |
|----|----|---|---|-----------------------|
| 2 | 10 | 1 | 0 | 2006-11-28 11:50:40.9 |
| 3 | 10 | 1 | 0 | 2006-11-28 11:50:40.9 |
| 4 | 7 | 1 | 0 | 2006-11-28 11:50:40.9 |
| 5 | 8 | 1 | 0 | 2006-11-28 11:50:40.9 |
| 6 | 6 | 1 | 0 | 2006-11-28 11:50:40.9 |
| 7 | 8 | 1 | 0 | 2006-11-28 11:50:40.9 |
| 8 | 9 | 1 | 0 | 2006-11-28 11:50:40.9 |
| 9 | 9 | 1 | 0 | 2006-11-28 11:50:40.9 |
| 10 | 9 | 1 | 0 | 2006-11-28 11:50:40.9 |

四、配置关键点：
无