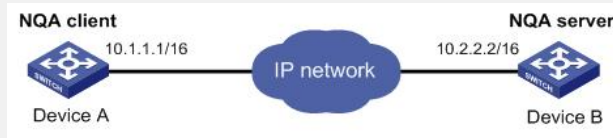


H3C S3500-EA NQA UDP Jitter测试的典型配置

一、组网需求:

使用UDP-jitter功能测试本端 (Device A) 和指定的目的端 (Device B) 之间传送报文的时延抖动。

二、组网图:



三、配置步骤:

(1) 配置Device B

使能NQA服务器, 配置监听的IP地址为10.2.2.2, 端口号为9000。

```
<DeviceB> system-view
[DeviceB] nqa server enable
[DeviceB] nqa server udp-echo 10.2.2.2 9000
```

(2) 配置Device A

创建UDP-jitter类型的NQA测试组并配置相关测试参数。

```
<DeviceA> system-view
[DeviceA] nqa entry admin test
[DeviceA-nqa-admin-test] type udp-jitter
[DeviceA-nqa-admin-test-udp-jitter] destination ip 10.2.2.2
[DeviceA-nqa-admin-test-udp-jitter] destination port 9000
[DeviceA-nqa-admin-test-udp-jitter] quit
```

启动UDP-jitter测试操作。

```
[DeviceA] nqa schedule admin test start-time now lifetime forever
```

测试执行一段时间后, 停止UDP-jitter测试操作。

```
[DeviceA] undo nqa schedule admin test
```

显示UDP-jitter测试中最后一次测试的结果。

```
[DeviceA] display nqa result admin test
```

```
NQA entry(admin admin, tag test) test results:
Destination IP address: 10.2.2.2
Send operation times: 10          Receive response times: 10
Min/Max/Average round trip time: 7/10/8
Square-Sum of round trip time: 646
Last succeeded probe time: 2007-11-22 10:16:49.0

Extend results:
Packet lost in test: 0%
Failures due to timeout: 0
Failures due to disconnect: 0
Failures due to no connection: 0
Failures due to sequence error: 0
Failures due to internal error: 0
Failures due to other errors: 0

UDP-jitter results:
RTT number: 10
SD max delay: 5          DS max delay: 5
Min positive SD: 1      Min positive DS: 0
Max positive SD: 1      Max positive DS: 0
Positive SD number: 2   Positive DS number: 0
Positive SD sum: 2      Positive DS sum: 0
Positive SD average: 1  Positive DS average: 0
Positive SD square sum: 2 Positive DS square sum: 0
Min negative SD: 1      Min negative DS: 0
Max negative SD: 2      Max negative DS: 0
Negative SD number: 3   Negative DS number: 0
Negative SD sum: 4      Negative DS sum: 0
Negative SD average: 1  Negative DS average: 0
```

Negative SD square sum: 6 Negative DS square sum: 0

SD lost packet(s): 0 DS lost packet(s): 0

Lost packet(s) for unknown reason: 0

四、配置关键点:

UDP-jitter测试中每次探测发送一组报文, 这组报文对应一条历史记录。因此, 如果想了解UDP-jitter测试的结果, 建议通过display nqa result命令来查看探测结果, 不要通过display nqa history命令查看历史记录