S2000-EA系列交换机IPv6应用的配置

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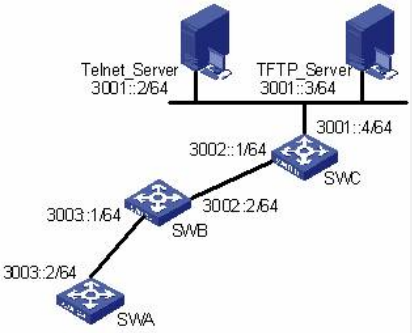
一、 组网需求：

SWA、SWB和SWC分别代表三台交换机，其中SWA为H3C S2000-EA系列以太网交换机，SWB和SWC为支持IPv6路由转发的设备。在同一局域网中连接有Telnet和TFTP服务器，分别为交换机提供Telnet和TFTP服务。要求SWA可以通过Telnet方式登录Telnet_Server，并能够从TFTP_Server下载文件。

二、 组网图：



三、 配置步骤：

在进行下面的配置之前，需要在交换机和服务器的接口上配置IPv6地址，并保证交换机和服务器之间的路由可达。

在SWA上Ping SWB的IPv6地址。

```
<SWA> ping ipv6 3003::1
  PING 3003::1 : 64  data bytes, press CTRL_C to break
    Reply from 3003::1
    bytes=56 Sequence=1 hop limit=64  time = 110 ms
    Reply from 3003::1
    bytes=56 Sequence=2 hop limit=64  time = 31 ms
    Reply from 3003::1
    bytes=56 Sequence=3 hop limit=64  time = 31 ms
    Reply from 3003::1
    bytes=56 Sequence=4 hop limit=64  time = 31 ms
    Reply from 3003::1
    bytes=56 Sequence=5 hop limit=64  time = 31 ms
--- 3003::1 ping statistics ---
  5 packet(s) transmitted
  5 packet(s) received
  0.00% packet loss
    round-trip min/avg/max = 31/46/110 ms
```

SWA上配置到SWC、Telnet Server和TFTP Server的静态路由。

```
<SWA> system-view
[SWA] ipv6 route-static 3002:: 64 3003::1
[SWA] ipv6 route-static 3001:: 64 3003::1
[SWA] quit
```

跟踪SWA到SWC的IPv6路由。

```
<SWA> tracert ipv6 3002::1
 traceroute to 3002::1  30 hops max,60 bytes packet,press CTRL_C to break
 1  3003::1 30 ms  0 ms  0 ms
 2  3002::1 10 ms 10 ms 0 ms
```

SWA从TFTP服务器3001::3上下载文件。

```
<SWA> tftp ipv6 3001::3 get filetoget flash:/filegothere
  ....
  File will be transferred in binary mode
  Downloading file from remote tftp server, please wait.....  received: 4469 bytes in
1.243 seconds

  File downloaded successfully.
```

SWA连接到Telnet服务器3001::2。
<SWA> telnet ipv6 3001::2
Trying 3001::2...
Press CTRL+K to abort
Connected to 3001::2 ...
Telnet Server>
四、 配置关键点:
无