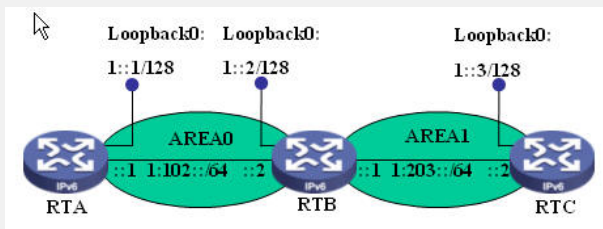


NE80/NE40系列路由器IPv6路由协议 OSPFv3的配置

一、组网需求:

RTA、RTB与RTC均为NE40，版本Version 5.30，RELEASE 0228；通过配置IPv6动态路由协议使相互间可以学习到对方的Loopback地址，从而达到全网连通。

二、组网图:



三、配置步骤:

1.RTA的配置:

```
ipv6
ospfv3 1
router-id 1.1.1.1
import-route direct
area 0.0.0.0
interface Ethernet1/0/3
undo shutdown
ipv6 address 1:102::1/64
ospfv3 1 area 0.0.0.0
interface LoopBack0
ipv6 address 1::1/128
ospfv3 1 area 0.0.0.0
```

2.RTB的配置:

```
ospfv3 1
router-id 2.2.2.2
import-route direct
area 0.0.0.0
area 0.0.0.1
interface Ethernet5/0/4
undo shutdown
ipv6 address 1:102::2/64
ospfv3 1 area 0.0.0.0
interface Ethernet5/0/1
undo shutdown
ipv6 address 1:203::2/64
ospfv3 1 area 0.0.0.1
interface LoopBack0
ipv6 address 1::2/128
ospfv3 1 area 0.0.0.0
```

3.RTC的配置

```
ospfv3 1
router-id 3.3.3.3
import-route direct
area 0.0.0.1
interface Ethernet5/0/1
undo shutdown
ipv6 address 1:203::3/64
ospfv3 1 area 0.0.0.1
interface LoopBack0
ipv6 address 1::3/128
ospfv3 1 area 0.0.0.1
```

四、配置关键点：

1.在ospfv3 模式下area 0.0.0.0，这条命令执行完成后没有显示，只有在接口使能后才会出现；

2.Router-id 必须配置，否则邻居无法正常建立。