

NE16E/08E/05产品配置接口借用IP地址功能的配置

一 组网需求：

如组网图所示，一家企业通过ISDN组建内部网，有2个节点：Router A、RouterB。每个节点路由器分别通过以太网接口连接本地的局域网，通过拨号端口与对端节点相连。各路由器与以太网连接的接口均为GE1/0/0，与ISDN连接的接口均为POS2/0/0。为了节省IP地址，规划拨号口借用以以太网接口的IP地址。

二 组网图：



图内所有设备都是NE16E，版本是VRP5.3。

三 配置步骤：

以下配置适用于VRP5.3版本。

1 配置路由器RouterA

配置接口GE1/0/0的IP地址。

```
<RouterA> system-view
```

```
[RouterA] interface gigabitethernet1/0/0
```

```
[RouterA-GigabitEthernet1/0/0] ip address 172.16.10.1 255.255.255.0
```

```
[RouterA-GigabitEthernet1/0/0] quit
```

配置POS口借用以以太网接口的IP地址。

```
[RouterA] interface pos2/0/0
```

```
[RouterA-Pos2/0/0] ip address unnumbered interface gigabitethernet1/0/0
```

```
[RouterA-Pos2/0/0] link-protocol ppp
```

```
[RouterA-Pos2/0/0] quit
```

配置到路由器RouterB的以太网网段的路由。

```
[RouterA] ip route-static 172.16.20.0 255.255.255.0 pos2/0/0
```

2 配置路由器RouterB

配置接口GE1/0/0的IP地址。

```
<RouterB> system-view
```

```
[RouterB] interface gigabitethernet1/0/0
```

```
[RouterB-GigabitEthernet1/0/0] ip address 172.16.20.1 255.255.255.0
```

```
[RouterB-GigabitEthernet1/0/0] quit
```

配置POS口借用以以太网接口的IP地址。

```
[RouterB] interface pos2/0/0
```

```
[RouterB-Pos2/0/0] ip address unnumbered interface gigabitethernet1/0/0
```

```
[RouterB-Pos2/0/0] link-protocol ppp
```

```
[RouterB-Pos2/0/0] quit
```

配置到路由器RouterA的以太网网段的路由。

```
[RouterB] ip route-static 172.16.10.0 255.255.255.0 pos2/0/0
```

3 验证配置结果

在路由器RouterA上可以ping通与路由器RouterB相连的主机地址。

```
<RouterA> ping 172.16.20.2
```

```
  PING 172.16.20.2: 56 data bytes, press CTRL_C to break
```

```
    Reply from 172.16.20.2: bytes=56 Sequence=1 ttl=255 time=25 m
```

```
s
```

```
Reply from 172.16.20.2: bytes=56 Sequence=2 ttl=255 time=25 m
s
Reply from 172.16.20.2: bytes=56 Sequence=3 ttl=255 time=26 m
s
Reply from 172.16.20.2: bytes=56 Sequence=4 ttl=255 time=26 m
s
Reply from 172.16.20.2: bytes=56 Sequence=5 ttl=255 time=26 m
s
```

```
--- 172.16.20.2 ping statistics ---
    5 packet(s) transmitted
    5 packet(s) received
    0.00% packet loss
    round-trip min/avg/max = 25/25/26 ms
```

四 配置关键点:

无