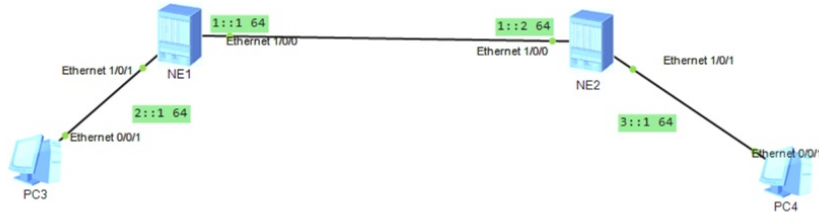


组网及说明



组网说明：本案例采用ENSP的NE2000路由器模拟IPv6静态路由协议的环境，通过配置基于IPv6的静态路由，实现PC之间的互通。

特别说明：ENSP的NE2000路由器没有镜像，需要单独导入镜像后才能使用。

配置步骤

- 1、按照网络拓扑图配置IPv6地址。
- 2、分别在NE1、NE2配置IPv6静态路由。

配置关键点

NE1：

```
<HUAWEI>u t m
Info: Current terminal monitor is off.
<HUAWEI>u t d
Info: Current terminal debugging is off.
<HUAWEI>sys
Enter system view, return user view with return command.
[~HUAWEI]sysname NE1
[*HUAWEI]int ethe
[*HUAWEI]int Ethernet 1/0/0
[*HUAWEI-Ethernet1/0/0]ipv6 enable
[*HUAWEI-Ethernet1/0/0]ipv6 address 1::1 64
[*HUAWEI-Ethernet1/0/0]quit
[*HUAWEI]int Ethernet 1/0/1
[*HUAWEI-Ethernet1/0/1]ipv6 enable
[*HUAWEI-Ethernet1/0/1]ipv6 address 2::1 64
[*HUAWEI-Ethernet1/0/1]quit
[*HUAWEI]ipv6 route-static :: 0 1 ::2
[*HUAWEI]commit
[~NE1]
```

NE2：

```
<HUAWEI>u t m
Info: Current terminal monitor is off.
<HUAWEI>u t d
Info: Current terminal debugging is off.
<HUAWEI>sys
Enter system view, return user view with return command.
[~HUAWEI]sysname NE2
[*HUAWEI]int Ethernet 1/0/1
[*HUAWEI-Ethernet1/0/1]ipv6 enable
[*HUAWEI-Ethernet1/0/1]ipv6 address 3::1 64
[*HUAWEI-Ethernet1/0/1]quit
[*HUAWEI]int Ethernet 1/0/0
[*HUAWEI-Ethernet1/0/0]ipv6 enable
[*HUAWEI-Ethernet1/0/0]ipv6 address 1::2 64
[*HUAWEI-Ethernet1/0/0]quit
```

```
[*HUAWEI]ipv6 route-static :: 0 1::1
```

```
[*HUAWEI]commit
```

```
[~NE2]
```

查看IPV6路由表，发现NE1与NE2均有IPV6的默认路由指向。

```
[~NE1]dis ipv6 routing-table
Routing Table : _public_
Destinations : 9          Routes : 9

Destination : ::
NextHop     : 1::2
Cost       : 0
RelayNextHop : 1::2
Interface  : Ethernet1/0/0
PrefixLength : 0
Preference : 60
Protocol   : Static
TunnelID   : 0x0
Flags     : RD

Destination : ::1
NextHop     : ::1
Cost       : 0
RelayNextHop : ::
Interface  : InLoopBack0
PrefixLength : 128
Preference : 0
Protocol   : Direct
TunnelID   : 0x0
Flags     : D

Destination : ::FFFF:127.0.0.0
NextHop     : ::FFFF:127.0.0.1
Cost       : 0
RelayNextHop : ::
Interface  : InLoopBack0
PrefixLength : 104
Preference : 0
Protocol   : Direct
TunnelID   : 0x0
Flags     : D

Destination : ::FFFF:127.0.0.1
NextHop     : ::1
Cost       : 0
RelayNextHop : ::
Interface  : InLoopBack0
PrefixLength : 128
Preference : 0
Protocol   : Direct
TunnelID   : 0x0
Flags     : D

Destination : 1::
NextHop     : 1::1
Cost       : 0
RelayNextHop : ::
Interface  : Ethernet1/0/0
PrefixLength : 64
Preference : 0
Protocol   : Direct
TunnelID   : 0x0
Flags     : D

Destination : 1::1
NextHop     : ::1
Cost       : 0
RelayNextHop : ::
Interface  : Ethernet1/0/0
PrefixLength : 128
Preference : 0
Protocol   : Direct
TunnelID   : 0x0
Flags     : D

Destination : 2::
NextHop     : 2::1
Cost       : 0
RelayNextHop : ::
Interface  : Ethernet1/0/1
PrefixLength : 64
Preference : 0
Protocol   : Direct
TunnelID   : 0x0
Flags     : D

Destination : 2::1
NextHop     : ::1
Cost       : 0
RelayNextHop : ::
Interface  : Ethernet1/0/1
PrefixLength : 128
Preference : 0
Protocol   : Direct
TunnelID   : 0x0
Flags     : D

Destination : FE80::
NextHop     : ::
Cost       : 0
RelayNextHop : ::
Interface  : NULL0
PrefixLength : 10
Preference : 0
Protocol   : Direct
TunnelID   : 0x0
Flags     : DB
[~NE1]
```

```

[~NE2]dis ipv6 routing-table
Routing Table : _public_
Destinations : 9      Routes : 9

Destination : ::
NextHop : 1::1
Cost : 0
RelayNextHop : 1::1
Interface : Ethernet1/0/0
PrefixLength : 0
Preference : 60
Protocol : Static
TunnelID : 0x0
Flags : RD

Destination : ::1
NextHop : ::1
Cost : 0
RelayNextHop : ::
Interface : InLoopBack0
PrefixLength : 128
Preference : 0
Protocol : Direct
TunnelID : 0x0
Flags : D

Destination : ::FFFF:127.0.0.0
NextHop : ::FFFF:127.0.0.1
Cost : 0
RelayNextHop : ::
Interface : InLoopBack0
PrefixLength : 104
Preference : 0
Protocol : Direct
TunnelID : 0x0
Flags : D

Destination : ::FFFF:127.0.0.1
NextHop : ::1
Cost : 0
RelayNextHop : ::
Interface : InLoopBack0
PrefixLength : 128
Preference : 0
Protocol : Direct
TunnelID : 0x0
Flags : D

Destination : 1::
NextHop : 1::2
Cost : 0
RelayNextHop : ::
Interface : Ethernet1/0/0
PrefixLength : 64
Preference : 0
Protocol : Direct
TunnelID : 0x0
Flags : D

Destination : 1::2
NextHop : ::1
Cost : 0
RelayNextHop : ::
Interface : Ethernet1/0/0
PrefixLength : 128
Preference : 0
Protocol : Direct
TunnelID : 0x0
Flags : D

Destination : 3::
NextHop : 3::1
Cost : 0
RelayNextHop : ::
Interface : Ethernet1/0/1
PrefixLength : 64
Preference : 0
Protocol : Direct
TunnelID : 0x0
Flags : D

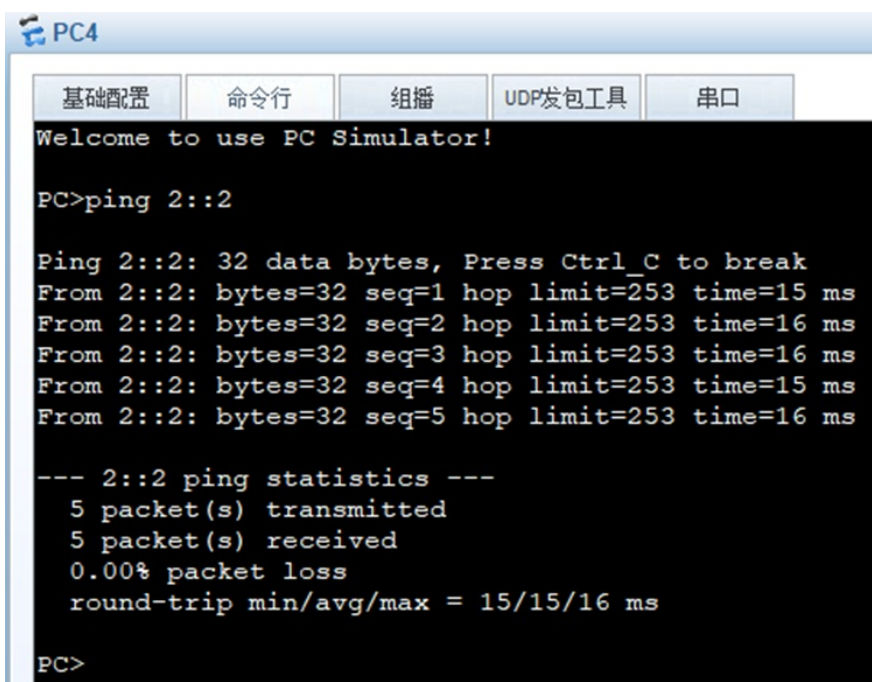
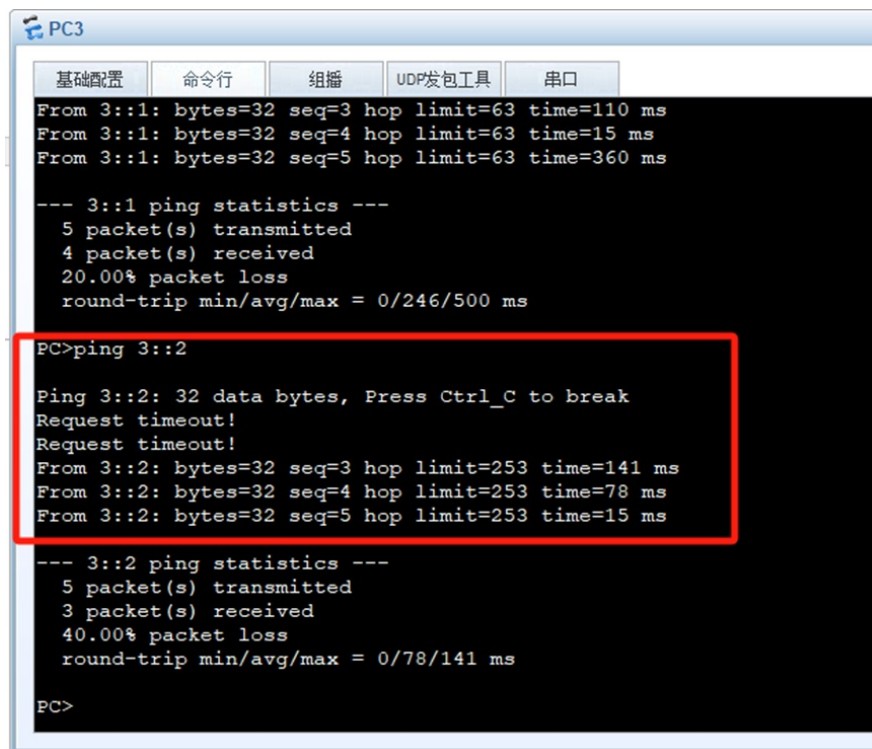
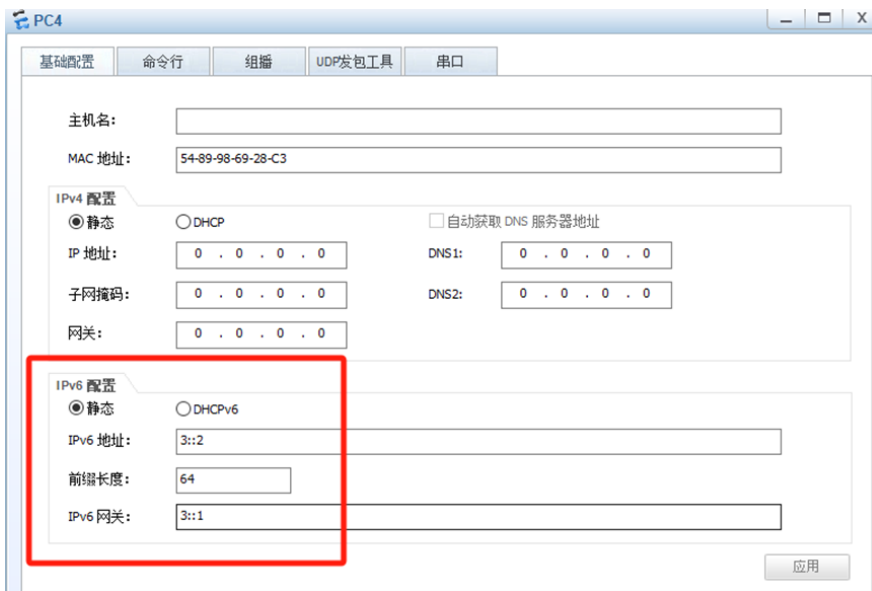
Destination : 3::1
NextHop : ::1
Cost : 0
RelayNextHop : ::
Interface : Ethernet1/0/1
PrefixLength : 128
Preference : 0
Protocol : Direct
TunnelID : 0x0
Flags : D

Destination : FE80::
NextHop : ::
Cost : 0
RelayNextHop : ::
Interface : NULL0
PrefixLength : 10
Preference : 0
Protocol : Direct
TunnelID : 0x0
Flags : DB
[~NE2]

```

PC分别填写IPv6地址，且能相互PING通。





至此，华为路由器IPv6静态路由典型组网配置案例已完成。