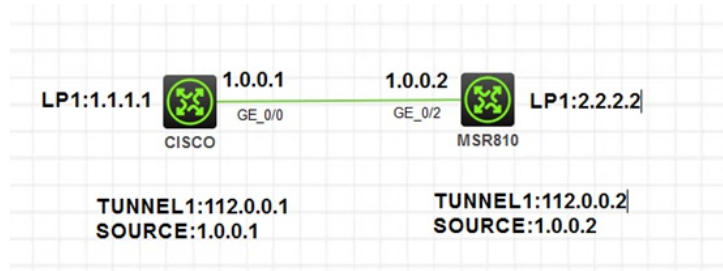


# 知 H3C MSR810 and Cisco equipment build MGRE Example

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## Network Topology

Use LP1 1.1.1.1 to simulate the headquarters server and LP1 2.2.2.2 to simulate the branch client.



## Configuration Steps

### 2. Device configuration

#### A. Our MSR equipment is used as NHC with the following configuration

```
interface Tunnel2 mode mgre
ip address 112.0.0.2 255.255.255.0 // Tunnel belongs to the global domain
ospf network-type broadcast
ospf 1 area 0.0.0.0
source GigabitEthernet0/2
tunnel vpn-instance 1
nhrp network-id 9
nhrp authentication cipher $c$3$0MPkuM74bLtxsHEdSUNO7ajg92Foa9YdbA==
nhrp holdtime 2600
nhrp nhs 112.0.0.1 nbma 1.0.0.1

#
interface GigabitEthernet0/2
port link-mode route
combo enable copper
ip binding vpn-instance 1
ip address 1.0.0.2 255.255.255.0

interface LoopBack1 // simulate the branch client.
ip address 2.2.2.2 255.255.255.0
ospf 1 area 0.0.0.0
```

#### B. Configuration of Cisco equipment

```
interface Loopback1 // simulate the HQ server
ip address 1.1.1.1 255.255.255.0

ip ospf 1 area 0
!
interface Tunnel1
ip address 112.0.0.1 255.255.255.0
no ip redirects
ip nhrp authentication 123456
ip nhrp map multicast dynamic
ip nhrp network-id 9
ip nhrp holdtime 3600
ip ospf network broadcast
ip ospf 1 area 0
tunnel source 1.0.0.1
tunnel mode gre multipoint
!
interface GigabitEthernet0/0
ip address 1.0.0.1 255.255.255.0
duplex auto
speed auto
media-type rj45
```

### 2. The test results

```
[MSR]dis ospf routing
```

```
OSPF Process 1 with Router ID 168.32.187.31
Routing Table
```

Routing for network

Destination	Cost	Type	NextHop	AdvRouter	Area
1.1.1.0/24	1563	Stub	112.0.0.1	112.0.0.1	0.0.0.0
Key Configuration	1562	Transit	0.0.0.0	112.0.0.1	0.0.0.0
2.2.2.2/32	0	Stub	0.0.0.0	168.32.187.31	0.0.0.0