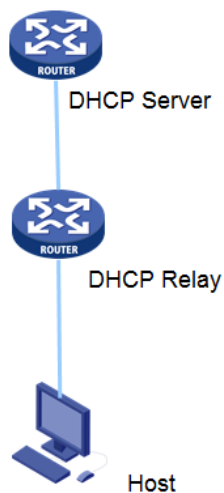# MSR(G2)做dhcp server根据终端MAC地址下发ip地址的典型配置

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北京某客户需要DHCP server根据识别终端的mac地址智能的分配ip地址,只允许绑定的mac地址所属的终端获取ip地址,没有绑定mac地址的终端不能获取ip地址。



图一：组网拓扑

相关设备的接口ip地址和路由配置略。

**DHCP SERVER重要配置：**

dhcp enable
#
dhcp class test
 if-match rule 1 hardware-address 94a1-396d-0106 mask ffff-ffff-ffff
#                          //94a1-396d-0106为终端mac地址
dhcp server ip-pool test
 gateway-list 10.1.1.2
 network 10.1.1.0 mask 255.255.255.0
#
dhcp policy test
 class test ip-pool test
#
interface GigabitEthernet0/0
 port link-mode route
 combo enable copper
 ip address 20.1.1.1 255.255.255.0
  dhcp apply-policy test

**DHCP relay配置：**

#
interface GigabitEthernet0/0
 port link-mode route
 combo enable copper
 ip address 10.1.1.2 255.255.255.0
 dhcp select relay
 dhcp relay server-address 20.1.1.1
#
interface GigabitEthernet0/1
 port link-mode route
 combo enable copper
 ip address 20.1.1.2 255.255.255.0
#

**验证结果：**

[H3C]dis dhcp server ip-in-use
IP address      Client identifier/   Lease expiration     Type
            Hardware address
10.1.1.1      0039-3461-312e-3339-  Apr 27 16:51:59 2017  Auto(C)

3664-2e30-3130-352d-
4745-302f-30

1、dhcp policy需要绑定ip pool

2、dhcp policy需要配置在dhcp server上