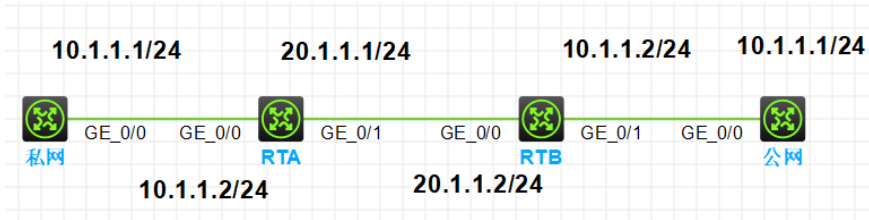


知 双向NAT典型配置

NAT zhiliao_SI4CHB 2022-11-18 发表

组网及说明

组网需求：私网与公网可以互相访问，通过RTA和RTB对发过来的报文的源地址和目的地址都要做转换，即RT1不能感知到RT2的公网地址，RT2也不能知道RT1的私网地址。



配置步骤

第一步:按照组网图配置各端口IP地址

第二步:配置ACL,选择需要对哪些地址进行转换,用NAT outbound对于源地址进行转换,用nat server进行目的地址转换

RTA

```
#
acl basic 2000 rule 0 permit source 10.1.1.0 0.0.0.255
#
interface GigabitEthernet0/1
port link-mode route
combo enable copper
ip address 20.1.1.1 255.255.255.0
nat outbound 2000
nat server protocol icmp global 40.1.1.1 inside 10.1.1.1
#
ip route-static 30.1.1.0 24 20.1.1.2
ip route-static 40.1.1.0 24 20.1.1.2
```

RTB

```
#
acl basic 2000 rule 0 permit source 10.1.1.0 0.0.0.255
#
interface GigabitEthernet0/0
port link-mode route
combo enable copper
ip address 20.1.1.2 255.255.255.0
nat outbound 2000
nat server protocol icmp global 30.1.1.1 inside 10.1.1.1
#
ip route-static 30.1.1.0 24 20.1.1.1
ip route-static 40.1.1.0 24 20.1.1.1
```

验证

```
<RTA>*Oct 24 20:31:28:876 2022 RTA NAT/7/COMMON:
  PACKET: (GigabitEthernet0/1-out-config) Protocol: ICMP
    10.1.1.1:10993 - 30.1.1.1: 2048 (VPN: 0) ----->
    20.1.1.1: 10 - 30.1.1.1: 2048 (VPN: 0)
*Oct 24 20:31:28:878 2022 RTA NAT/7/COMMON:
  PACKET: (GigabitEthernet0/1-in-session) Protocol: ICMP
    30.1.1.1: 10 - 20.1.1.1: 0 (VPN: 0) ----->
    30.1.1.1:10993 - 10.1.1.1: 0 (VPN: 0)
*Oct 24 20:31:37:755 2022 RTA NAT/7/COMMON:
  PACKET: (GigabitEthernet0/1-in-config) Protocol: ICMP
    20.1.1.2: 2 - 40.1.1.1: 2048 (VPN: 0) ----->
    20.1.1.2: 2 - 10.1.1.1: 2048 (VPN: 0)
*Oct 24 20:31:37:755 2022 RTA NAT/7/COMMON:
  PACKET: (GigabitEthernet0/1-out-session) Protocol: ICMP
    10.1.1.1: 2 - 20.1.1.2: 0 (VPN: 0) ----->
    40.1.1.1: 2 - 20.1.1.2: 0 (VPN: 0)
```

配置关键点

配置过程中一定要路由可达

