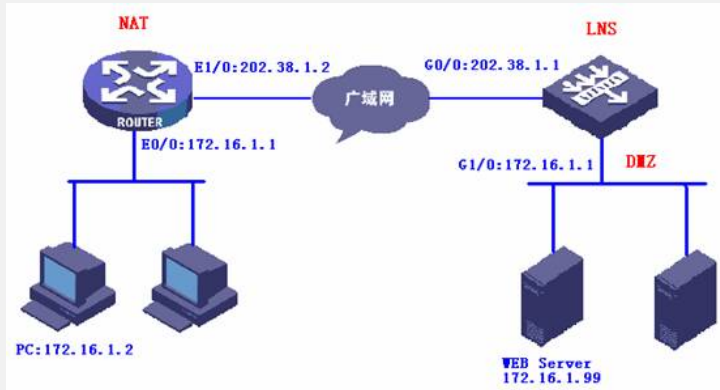


SecPath防火墙静态网段地址转换在L2TP VPN中的典型配置

一、组网需求:

私网相同的情况下, 实现L2TP接入和访问。

二、组网图



LNS: SecPath1000F, 版本为Version 3.40, ESS 1604P01

三、配置步骤

1. LNS的主要配置

使能L2TP

```
l2tp enable
```

在本地应用策略路由

```
ip local policy route-policy aaa
```

配置本端IKE名称

```
ike local-name zhongxin
```

定义防火墙包过滤规则

```
firewall packet-filter enable
```

```
firewall packet-filter default permit
```

配置网段地址静态转换

```
nat static inside ip 172.16.1.1 172.16.1.254 global ip 192.168.1.0 255.255.255.0
```

给L2TP用户分配地址池

```
domain system
```

```
ip pool 1 10.0.0.2 10.0.0.10
```

配置L2TP帐号

```
local-user zhaobiao
```

```
password simple 123
```

```
service-type ppp
```

配置IKE参数

```
ike peer 1
```

```
exchange-mode aggressive
```

```
pre-shared-key 123
```

```
id-type name
```

```
remote-name fenzhi
```

```
nat traversal
```

创建安全提议,采用默认参数

```
ipsec proposal 1
```

创建IPSEC模板,并引用IKE和安全提议

```
ipsec policy-template temp 1
```

```
ike-peer 1
```

```
proposal 1
```

创建IPSEC策略

```
ipsec policy pol1 1 isakmp template temp
```

定义策略路由的ACL

```
acl number 3000
```

```
rule 0 permit udp source-port eq 1701
```

创建L2TP的虚接口

```
interface Virtual-Template1  
  ppp authentication-mode chap  
  ip address 10.0.0.1 255.255.255.0  
  remote address pool 1  
  nat outbound static
```

配置外网口

```
interface GigabitEthernet0/0  
  ip address 202.38.1.1 255.255.255.0  
  ipsec policy pol1
```

配置内网口

```
interface GigabitEthernet0/1  
  ip address 10.2.0.1 255.255.255.0
```

配置DMZ区网口

```
interface GigabitEthernet1/0  
  ip address 172.16.1.1 255.255.255.0
```

配置区域

```
firewall zone trust  
  add interface GigabitEthernet0/1  
  set priority 85  
firewall zone untrust  
  add interface GigabitEthernet0/0  
  add interface Virtual-Template1  
  set priority 5  
firewall zone DMZ  
  add interface GigabitEthernet1/0  
  set priority 50
```

创建L2TP组

```
l2tp-group 1  
  undo tunnel authentication  
  allow l2tp virtual-template 1
```

创建策略路由

```
route-policy aaa permit node 10  
  if-match acl 3000  
  apply output-interface GigabitEthernet0/0
```

配置默认路由

```
ip route-static 0.0.0.0 0.0.0.0 202.38.1.2
```

2. NAT的主要配置

定义NAT转换的ACL

```
acl number 3000  
  rule 0 permit ip source 172.16.1.0 0.0.0.255
```

配置内网口

```
interface Ethernet0/0  
  ip address 172.16.1.1 255.255.255.0
```

配置外网口

```
interface Ethernet1/0  
  ip address 202.38.1.2 255.255.255.0  
  nat outbound 3000
```

配置默认路由

```
ip route-static 0.0.0.0 0.0.0.0 202.38.1.1
```

3. PC的主要配置

