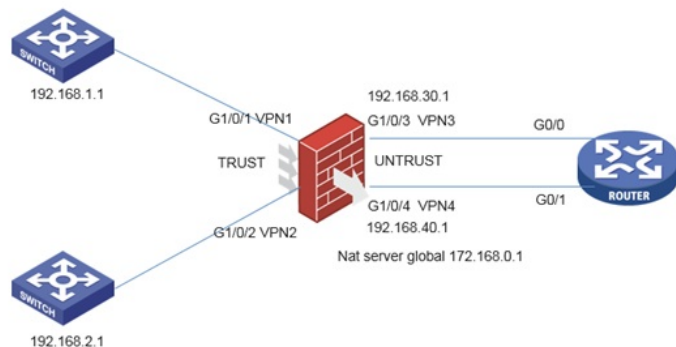


## 知 V7防火墙流量二次串墙互访典型配置举例

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### 组网及说明



客户有多个业务网段，要求网段之间互访的控制不通过防火墙来做。流量二次穿过防火墙，流量控制在路由器上。以1.0和2.0为例。1.0网段访问2.0网段的流量需要通过访问映射映射后地址172.168.0.1来访问。

通过虚墙来实现的，因网段太多可能造成资源不足，客户采用在接口绑定vpn实例的方式实现。

### 配置步骤

#### 防火墙关键配置

```
ip vpn-instance vpn1
#
address-family ipv4
route-replicate from vpn-instance vpn3 protocol ospf 3
//将G1/0/3 vpn3中通过ospf学习的路由引入VPN1
#
ip vpn-instance vpn2
#
address-family ipv4
route-replicate from vpn-instance vpn4 protocol ospf 4
//将G1/0/4 vpn4中通过ospf学习的路由引入VPN2
#
ip vpn-instance vpn3
#
address-family ipv4
route-replicate from vpn-instance vpn1 protocol direct
//将vpn1的直连路由引入vpn3
#
ip vpn-instance vpn4
#
address-family ipv4
route-replicate from vpn-instance vpn2 protocol direct
//将vpn2的直连路由引入vpn4
#
ospf 3 vpn-instance vpn3
area 0.0.0.0
network 192.168.30.0 0.0.0.255
#
ospf 4 vpn-instance vpn4
area 0.0.0.0
network 192.168.40.0 0.0.0.255
#
interface GigabitEthernet1/0/1
port link-mode route
description vpn1
combo enable copper
ip binding vpn-instance vpn1
ip address 192.168.1.2 255.255.255.0
```

```

#
interface GigabitEthernet1/0/2
port link-mode route
description vpn2
combo enable copper
ip binding vpn-instance vpn2
ip address 192.168.2.2 255.255.255.0
#
interface GigabitEthernet1/0/3
port link-mode route
description vpn3
combo enable copper
ip binding vpn-instance vpn3
ip address 192.168.30.1 255.255.255.0
#
interface GigabitEthernet1/0/4
port link-mode route
description vpn4
combo enable copper
ip binding vpn-instance vpn4
ip address 192.168.40.1 255.255.255.0
nat server global 172.168.0.1 vpn-instance vpn4 inside 192.168.2.1 vpn-instance vpn2
#
security-zone name Trust
import interface GigabitEthernet1/0/1
import interface GigabitEthernet1/0/2
#
security-zone name Untrust
import interface GigabitEthernet1/0/3
import interface GigabitEthernet1/0/4
#
zone-pair security source Local destination Untrust
packet-filter 3000
#
security-policy ip
rule 1 name vpn1tovpn3 //第一次穿行流量
action pass
vrf vpn1
source-zone trust
destination-zone untrust
rule 2 name vpn4tovpn2 //第二次穿行流量
action pass
vrf vpn2 //先匹配nat server再匹配安全策略，nat之后流量属于vpn2而不属于vpn4
source-zone untrust
destination-zone trust
rule 3 name ospf1
action pass
vrf vpn3
source-zone untrust
source-zone local
destination-zone local
destination-zone untrust
rule 4 name ospf2
action pass
vrf vpn4
source-zone local
source-zone untrust
destination-zone local
destination-zone untrust
路由器关键配置
ospf 1
import-route static
area 0.0.0.0
network 192.168.30.0 0.0.0.255

```

```
network 192.168.40.0 0.0.0.255
```

```
ip route-static 172.168.0.1 32 192.168.40.1
```

```
ip route-static 192.168.1.0 24 192.168.30.1
```

```
ip route-static 192.168.2.0 24 192.168.40.1
```

#### 配置关键点

从vpn引入的路由无法继续通过ospf传递，所有需要路由静态配置回程路由。  
如果网关不是防火墙可以跟下面的设备建立ospf，vpn实例里引入ospf即可。  
在路由器上配置包过滤即可完成流量控制