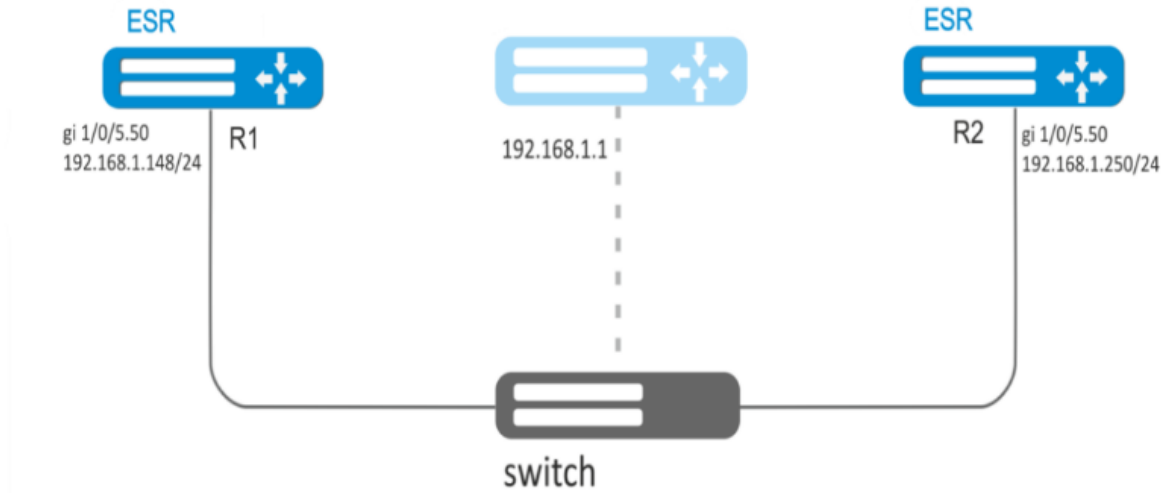


Firewall VRRP

VRRP (Virtual Router Redundancy Protocol).



ESR Stateful Firewall, .

, VRRP Backup VRRP Master VRRP Master, .

Firewall failover, :

R1

hostname R1

```
object-group service FAILOVER
port-range 3333
exit
```

```
object-group network OWN_IP
ip address-range 192.168.1.148
exit
```

```
ip firewall failover sync-type unicast
ip firewall failover source-address 192.168.1.148
ip firewall failover destination-address 192.168.1.250
ip firewall failover port 3333
ip firewall failover vrrp-group 1
ip firewall failover
```

```
security zone trust
exit
```

```
interface gigabitethernet 1/0/5.50
security-zone trust
ip address 192.168.1.148/24
vrrp id 1
vrrp ip 192.168.1.1/32
vrrp priority 125
vrrp group 1
vrrp
exit
```

```
security zone-pair trust self
rule 2
action permit
match protocol udp
match source-address any
match destination-address OWN_IP
match source-port any
match destination-port FAILOVER
enable
exit
rule 3
action permit
match protocol vrrp
match source-address any
match destination-address any
enable
exit
exit
```

```
##### R2 #####
```

```
hostname R2
```

```
object-group service FAILOVER
port-range 3333
exit
```

```
object-group network OWN_IP
ip address-range 192.168.1.250
exit
```

```
ip firewall failover sync-type unicast
ip firewall failover source-address 192.168.1.250
ip firewall failover destination-address 192.168.1.148
ip firewall failover port 3333
ip firewall failover vrrp-group 1
ip firewall failover
```

```
security zone trust
exit
```

```
interface gigabitethernet 1/0/5.50
security-zone trust
ip address 192.168.1.250/24
vrrp id 1
vrrp ip 192.168.1.1/32
vrrp priority 100
vrrp group 1
vrrp
exit
```

```
security zone-pair trust self
rule 2
action permit
match protocol udp
match source-address any
match destination-address OWN_IP
match source-port any
match destination-port FAILOVER
enable
exit
rule 3
action permit
match protocol vrrp
match source-address any
match destination-address any
enable
exit
exit
```

```
show ip firewall failover VRRP :
```

```
R1# show vrrp
Virtual router Virtual IP Priority Preemption State
-----
1 192.168.1.1/32 125 Enabled Master
```

```
R1# show ip firewall failover
Communication interface: gigabitethernet 1/0/5.50
Status: Running
Bytes sent: 2944
Bytes received: 3584
Packets sent: 225
Packets received: 141
Send errors: 0
Receive errors: 0
```

```
R2# show vrrp
Virtual router Virtual IP Priority Preemption State
-----
1 192.168.1.1/32 100 Enabled Backup
```

```
R2# show ip firewall failover
Communication interface: gigabitethernet 1/0/5.50
Status: Running
Bytes sent: 1072
Bytes received: 500
Packets sent: 40
Packets received: 30
Send errors: 0
Receive errors: 0
```



4 .

- [OSPF MD5](#)
- [MultiWAN](#)
- [Eltex SLA \(Service Level Agreement\)](#)
- [IP unnumbered](#)
- [BGP + Route-map](#)