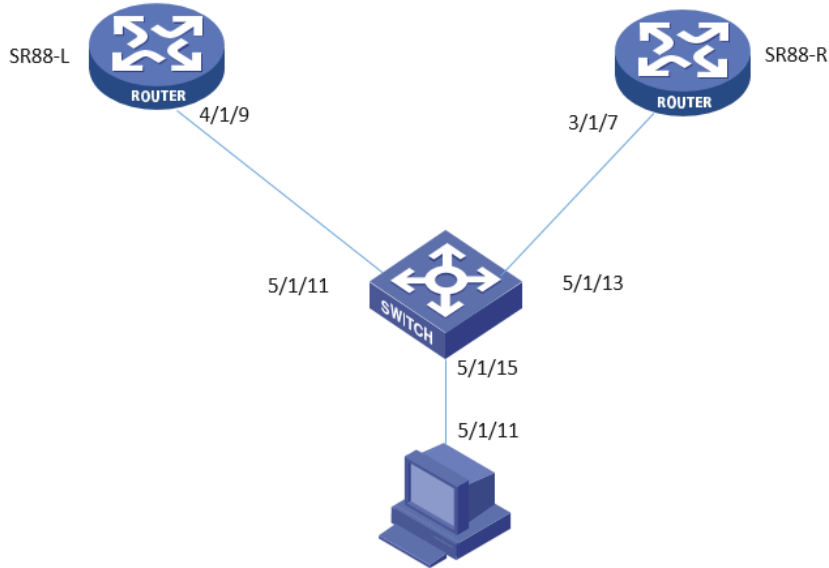


知 SR88设备 ipv6的VRRP配置

IPv6 VRRP 姜珊珊 2019-04-24 发表

组网及说明



组网如图所示

问题描述

两台SR88设备做IPv6的VRRP，该如何配置？

过程分析

SR88-L的配置:

ipv6

```
[SR88-L]int g 4/1/9
```

```
[SR88-L-GigabitEthernet4/1/9]dis this
```

```
#
```

```
interface GigabitEthernet4/1/9
```

```
port link-mode bridge
```

```
port access vlan 100
```

```
[SR88-L-Vlan-interface100]dis this
```

```
#
```

```
interface Vlan-interface100
```

```
undo ipv6 nd ra halt
```

```
ip binding vpn-instance vpn-1
```

```
ipv6 address 1::2/64
```

```
ipv6 address FE80::1 link-local
```

```
ip address 172.18.1.2 255.255.255.0
```

```
vrrp vrid 1 virtual-ip 172.18.1.10
```

```
vrrp ipv6 vrid 1 virtual-ip FE80::10 link-local
```

```
vrrp ipv6 vrid 1 virtual-ip 1::10
```

```
vrrp ipv6 vrid 1 priority 150
```

```
[SR88-L-vpn-instance-vpn-1]dis this
```

```
#
```

```
ip vpn-instance vpn-1
```

```
route-distinguisher 65535:1
```

```
vpn-target 65535:1 export-extcommunity
```

```
vpn-target 65535:1 import-extcommunity
```

SR88-R的配置:

ipv6

```
[SR88-R-Vlan-interface100]dis this
```

```
#
interface Vlan-interface100
undo ipv6 nd ra halt
ip binding vpn-instance vpn-1
ipv6 address 1::3/64
ipv6 address FE80::2 link-local
ip address 172.18.1.3 255.255.255.0
vrrp vrid 1 virtual-ip 172.18.1.10
vrrp vrid 1 priority 200
vrrp ipv6 vrid 1 virtual-ip FE80::10 link-local
vrrp ipv6 vrid 1 virtual-ip 1::10
vrrp ipv6 vrid 1 priority 200
```

```
[SR88-R-GigabitEthernet3/1/7]dis this
```

```
#
interface GigabitEthernet3/1/7
port link-mode bridge
port access vlan 100
```

```
[SR88-R-vpn-instance-vpn-1]dis this
```

```
#
ip vpn-instance vpn-1
route-distinguisher 65535:1
vpn-target 65535:1 export-extcommunity
vpn-target 65535:1 import-extcommunity
```

PC的配置:

```
[Int g 5/1/11]
port link-mode bridge
port access vlan 100
```

```
[PC-Vlan-interface100]dis this
```

```
#
interface Vlan-interface100
ip address 172.18.1.5 255.255.255.0
ipv6 address FE80::3 link-local
ipv6 address 1::5/64
```

解决方法

查看VRRP状态正常

```
[SR88-L]dis vrrp ipv6 verbose
```

IPv6 Standby Information:

```
Run Mode : Standard
Run Method : Virtual MAC
```

Total number of virtual routers : 1

Interface Vlan-interface100

```
VRID : 1 Adver Timer : 100
Admin Status : Up State : Backup
Config Pri : 150 Running Pri : 150
Preempt Mode : Yes Delay Time : 0
Become Master : 3000ms left
Auth Type : None
Virtual IP : FE80::10
1::10
Master IP : FE80::2
```

```
[SR88-R]dis vrrp ipv6 verbose
```

IPv6 Standby Information:

```
Run Mode : Standard
Run Method : Virtual MAC
```

Total number of virtual routers : 1

Interface Vlan-interface100

```
VRID : 1 Adver Timer : 100
```

```
Admin Status : Up      State : Master
Config Pri   : 200     Running Pri : 200
Preempt Mode : Yes     Delay Time  : 0
Auth Type    : None
Virtual IP   : FE80::10
              1::10
Virtual MAC  : 0000-5e00-0201
Master IP    : FE80::2
```

更改一边的优先级，主备可以切换，主备设备均可以ping通虚地址，两边互ping可通。

```
[SR88-L-Vlan-interface100] vrrp ipv6 vrid 1 priority 220
```

```
[SR88-L-Vlan-interface100]
```

```
%Oct 4 05:04:23:947 2020 SR88-L VRRP/6/VRRP_PRIORITY_CHANGE: The run priority of IPv6 virtual router 1 (configured on Vlan-interface100) changed from 150 to 220: Config.
```

```
%Oct 4 05:04:24:726 2020 SR88-L VRRP/6/VRRP_STATUS_CHANGE: The status of IPv6 virtual router 1 (configured on Vlan-interface100) changed from Backup to Master: Timer expired.
```

```
[SR88-L]dis vrrp ipv6 verbose
```

```
IPv6 Standby Information:
```

```
Run Mode : Standard
```

```
Run Method : Virtual MAC
```

```
Total number of virtual routers : 1
```

```
Interface Vlan-interface100
```

```
VRID : 1 Adver Timer : 100
```

```
Admin Status : Up      State : Master
```

```
Config Pri : 220      Running Pri : 220
```

```
Preempt Mode : Yes     Delay Time : 0
```

```
Auth Type : None
```

```
Virtual IP : FE80::10
```

```
1::10
```

```
Virtual MAC : 0000-5e00-0201
```

```
Master IP : FE80::1
```

```
[SR88-R]dis vrrp ipv6 verbose
```

```
IPv6 Standby Information:
```

```
Run Mode : Standard
```

```
Run Method : Virtual MAC
```

```
Total number of virtual routers : 1
```

```
Interface Vlan-interface100
```

```
VRID : 1 Adver Timer : 100
```

```
Admin Status : Up      State : Backup
```

```
Config Pri : 200      Running Pri : 200
```

```
Preempt Mode : Yes     Delay Time : 0
```

```
Become Master : 2550ms left
```

```
Auth Type : None
```

```
Virtual IP : FE80::10
```

```
1::10
```

```
Master IP : FE80::1
```

备注：只有-II和spc板才支持IPV6 VPN。SPE-1010-II SPC-GP24L均可以。