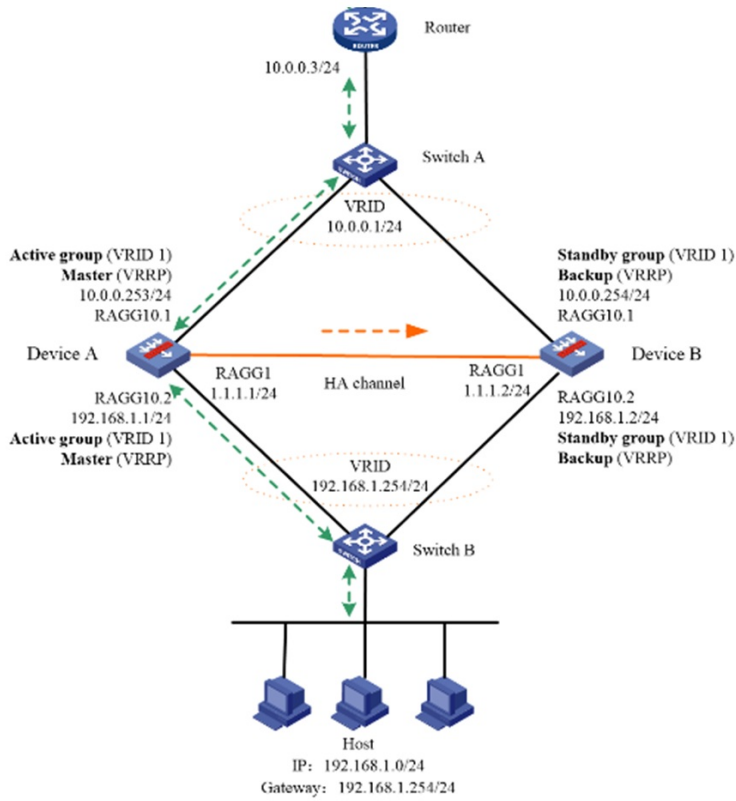


# 负载均衡RBM+VRRP组网的典型配置及解释

四层服务器负载均衡 孔梦龙 2023-10-30 发表

## 组网及说明

组网图如下：



## 配置步骤

负载均衡RBM+VRRP组网的典型配置及解释

假设流量从201上来，从202发给服务器

```
#
nqa template icmp icmp
frequency 3000
reaction trigger probe-pass 1
#
interface Route-Aggregation10.201
ip address 10.0.0.253 255.255.255.0
vrrp vrid 1 virtual-ip 10.0.0.1 active
vlan-type dot1q vid 201
#
interface Route-Aggregation10.202
ip address 192.168.1.1 255.255.255.0
vrrp vrid 1 virtual-ip 192.168.1.254 active
vlan-type dot1q vid 202
#
remote-backup group
data-channel interface Route-Aggregation1
configuration sync-check interval 12
local-ip 1.1.1.1
remote-ip 1.1.1.2
device-role primary
#
loadbalance snat-pool snat
ip range start 192.168.1.101 end 192.168.1.112
arp-nd interface Route-Aggregation10.202
//arp这个作用是地址池的地址 (1) 发送免费ARP (2) 响应ARP
#
server-farm sf
predictor hash address source
probe icmp
success-criteria at-least 1
real-server rs1 port 0
success-criteria at-least 1
real-server rs2 port 0
success-criteria at-least 1
real-server rs3 port 0
success-criteria at-least 1
#
real-server rs1
ip address 192.168.1.3
#
real-server rs2
ip address 192.168.1.4
#
real-server rs3
ip address 192.168.1.5
#
virtual-server vs type tcp
virtual ip address 61.159.4.100
default server-farm sf
connection-sync enable
sticky-sync enable global
route-advertisement enable
//发布VSIP的地址的ARP，或者路由，影响解析
arp-nd interface Route-Aggregation 10.201
//虚服务启动的时候，发送VSIP的免费ARP，从配置的接口上发
尤其是下行不主动学习的时候，我们主动发主动刷新MAC表
```

```
vrrp vrid 1 interface Route-Aggregation10.201
service enable
```

```
#
```

配置关键点  
设备配置文件

解释

```
nqa template icmp icmp
```

```
frequency 3000
```

```
reaction trigger probe-pass 1
```

```
#
```

```
interface Route-Aggregation10.201
```

```
ip address 10.0.0.254 255.255.255.0
```

```
vrrp vrid 1 virtual-ip 10.0.0.1 standby
```

```
vlan-type dot1q vid 201
```

```
#
```

```
interface Route-Aggregation10.202
```

```
ip address 192.168.1.1 255.255.255.0
```

```
vrrp vrid 1 virtual-ip 192.168.1.254 standby
```

```
vlan-type dot1q vid 202
```

```
#
```

```
remote-backup group
```

```
data-channel interface Route-Aggregation1
```

```
configuration sync-check interval 12
```

```
local-ip 1.1.1.2
```

```
remote-ip 1.1.1.1
```

```
device-role secondary
```

```
#
```

```
loadbalance snat-pool snat
```

```
ip range start 192.168.1.101 end 192.168.1.112
```

```
arp-nd interface Route-Aggregation10.202
```

```
#
```

```
server-farm sf
```

```
predictor hash address source
```

```
probe icmp
```

```
success-criteria at-least 1
```

```
real-server rs1 port 0
```

```
success-criteria at-least 1
```

```
real-server rs2 port 0
```

```
success-criteria at-least 1
```

```
real-server rs3 port 0
```

```
success-criteria at-least 1
```

```
#
```

```
real-server rs1
```

```
ip address 192.168.1.3
```

```
#
```

```
real-server rs2
```

```
ip address 192.168.1.4
```

```
#
```

```
real-server rs3
```

```
ip address 192.168.1.5
```

```
#
```

```
virtual-server vs type tcp
```

```
virtual ip address 61.159.4.100
```

```
default server-farm sf
```

```
connection-sync enable
```

```
sticky-sync enable global
```

```
route-advertisement enable
```

```
vrrp vrid 1 interface Route-Aggregation10.201
```

```
service enable
```

```
#
```

