NLB GROUP configuration example

1.1.1 Network topology

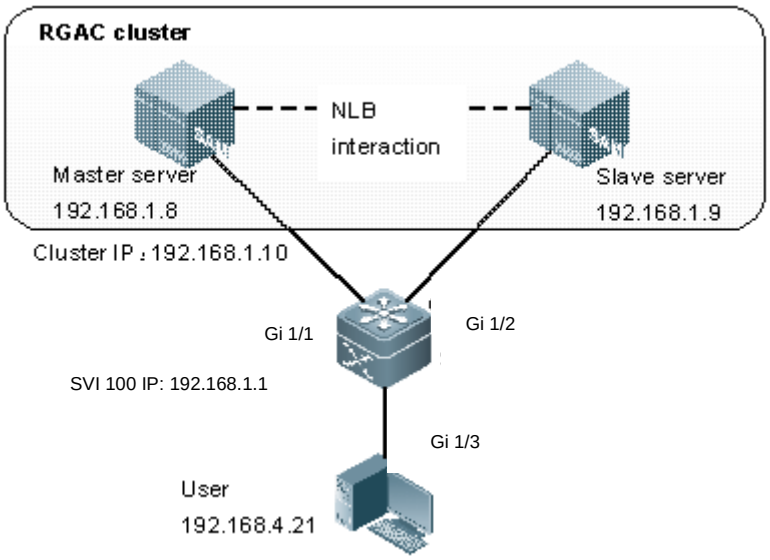

Fig 1 NLB Group network topology

1.1.2 Configuration tips

- Cluster communicates with devices via SVI, but cannot communicate with Routed Port (this is because only SVI can send the same packet to multiple ports).

1.1.3 Configuration steps

1) Configure VLAN 100 to include Gi 1/1 and Gi 1/2 into VLAN 100

Enter global configuration mode

```
Ruijie# config terminal
```

Create VLAN 100

```
Ruijie(config)# vlan 100
Ruijie(config-vlan)# end
Ruijie(config)#
```

Enter interface configuration mode

```
Ruijie(config)# interface gigabitethernet 1/1
```

Include Gi 1/1 into VLAN 100

```
Ruijie(config-if)# switchport mode access
Ruijie(config-if)# switchport access vlan 100
```

```
Ruijie(config-if)# end
Ruijie(config)#
```

Enter interface configuration mode

```
Ruijie(config)# interface gigabitethernet 1/2
# Include Gi 1/2 into VLAN 100
Ruijie(config-if)# switchport mode access
Ruijie(config-if)# switchport access vlan 100
Ruijie(config-if)# end
```

2) Configure SVI 100 and assign the IP address of 192.168.1.1

```
Ruijie(config)#
```

Enter interface configuration mode

```
Ruijie(config)# interface vlan 100
Ruijie(config-if)# ip address 192.168.1.1 255.255.255.0
Ruijie(config-if)# end
```

3) Configure the attributes and connection port of cluster group

Configure cluster group 1, and select Gi 1/4 as the reflector port (Gi 1/4 should be not used or configured as other usage)

```
Ruijie(config)#
Ruijie(config)# nlb-group 1 ip 192.168.10.1 reflector-port gigabitethernet 1/4
```

Configure the port connection cluster group 1 and device

```
Ruijie(config)# nlb-group 1 destination-port gigabitethernet 1/1, 1/2
```

1.1.4 Verification

In privilege mode, execute "show nlb-group" command to display configurations of the existing cluster group. The following example shows show to display the current state of cluster group 1 through "show nlb-group" command.

```
Ruijie# show nlb-group 1
group-number： 1
cluster-vrf: no vrf
cluster-ip: 192.168.1.10
destination-port : Gi 1/1, Gi 1/2,
reflector-port : Gi 1/4
```