

无线V7 AC 双pppoe 拨号典型配置举例

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组网及说明



需求：配置多个pppoe client 在一个物理接口下，实现pppoe备份和流量负载均衡。

配置步骤

(1) Pppoe client配置：

配置两个dialer口

```
#
interface Dialer1
dialer bundle enable
dialer-group 1
dialer timer idle 0
dialer timer autodial 1
ip address ppp-negotiate
nat outbound
#
interface Dialer2
dialer bundle enable
dialer-group 1
dialer timer idle 0
dialer timer autodial 60
ip address ppp-negotiate
nat outbound
#
将dialer 口绑定在物理口上
interface GigabitEthernet1/0/5
port link-mode route
pppoe-client dial-bundle-number 1
pppoe-client dial-bundle-number 2
```

#配置默认路由

```
ip route-static 0.0.0.0 0 Dialer1
ip route-static 0.0.0.0 0 Dialer2
```

(2) pppoe server配置

配置虚模板和ip组：

```
#
interface Virtual-Template1
remote address pool 1
ip address 1.1.0.1 255.255.255.0
#
ip pool 1 1.1.0.10 1.1.0.20
```

虚模板在物理口下应用

```
#
interface GigabitEthernet0/0
port link-mode route
pppoe-server bind virtual-template 1
```

拨号会话建立

[AC]display pppoe-client session summary

Bundle ID	Interface	VA	RemoteMAC	LocalMAC	State
1	1	GE1/0/5	VA0	38ad-8eb8-3a88 b0f9-6369-93dd	SESSION
2	2	GE1/0/5	VA1	38ad-8eb8-3a88 b0f9-6369-93dd	SESSION

<MSR3610>disp pppoe-server session summary

Total PPPoE sessions: 2

Local PPPoE sessions: 2

Ethernet interface: GE0/0	Session ID: 1
PPP interface: VA2	State: OPEN
Remote MAC: b0f9-6369-93dd	Local MAC: 38ad-8eb8-3a88
Service VLAN: N/A	Customer VLAN: N/A

Ethernet interface: GE0/0	Session ID: 2
PPP interface: VA0	State: OPEN
Remote MAC: b0f9-6369-93dd	Local MAC: 38ad-8eb8-3a88
Service VLAN: N/A	Customer VLAN: N/A

Dialer口拿到地址

[AC]disp ip int br

***down: administratively down**

(s): spoofing (l): loopback

Interface	Physical	Protocol	IP Address	Description
Dia1	up	up	1.1.0.13	--
Dia2	up	up	1.1.0.15	--

AC ping pppoe server的回环地址可以通

[AC]ping -a 100.1.1.1 2.2.2.2

Ping 2.2.2.2 (2.2.2.2) from 100.1.1.1: 56 data bytes, press CTRL_C to break
56 bytes from 2.2.2.2: icmp_seq=0 ttl=255 time=0.502 ms

ping -a 12.1.1.1 2.2.2.2

Ping 2.2.2.2 (2.2.2.2) from 12.1.1.1: 56 data bytes, press CTRL_C to break
56 bytes from 2.2.2.2: icmp_seq=0 ttl=255 time=0.522 ms

将一个dialer口下的nat 删除，只影响一个会话，说明两个dialer口流量是负载均衡的。

[AC-Dialer2]undo nat outbound

[AC]ping -a 100.1.1.1 2.2.2.2

Ping 2.2.2.2 (2.2.2.2) from 100.1.1.1: 56 data bytes, press CTRL_C to break
Request time out
Request time out

ping -a 12.1.1.1 2.2.2.2

Ping 2.2.2.2 (2.2.2.2) from 12.1.1.1: 56 data bytes, press CTRL_C to break
56 bytes from 2.2.2.2: icmp_seq=0 ttl=255 time=0.503 ms

配置关键点