

## 知 Typical Configuration Of PPPoE Client on AR28、AR46 Series Routers--Using ADSL Modem

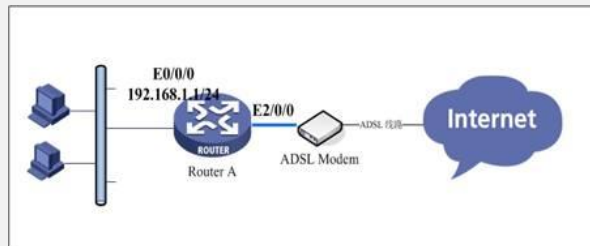
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#### [Requirements]

RouterA is connected to the ADSL Modem through Ethernet, and accesses the Internet by dial up.

#### [Networking diagram]



#### [Configuration script]

##### Configuration script (RouterA)

```
#
sysname RouterA
#
dialer-rule 1 ip permit      /Create dialer-rule 1/
#
radius scheme system
#
domain system
#
acl number 2001             /Configure an ACL for the NAT/
rule 0 permit source 192.168.1.0 0.0.0.255
rule 1 deny
#
interface Dialer1           /Create int dialer 1/
link-protocol ppp
ppp pap local-user huawei password simple 123456 /ADSL account and password
for authentication/
ip address ppp-negotiate    /Acquire IP address by PPP negotiation/
dialer user mypppoe
dialer-group 1              /Apply dialer-rule 1/
dialer bundle 1
nat outbound 2001          /Apply ACL 2001 for Easy IP NAT/
#
interface Ethernet0/0/0
ip address 192.168.1.1 255.255.255.0
tcp mss 1400
#
interface Ethernet2/0/0
pppoe-client dial-bundle-number 1 /Bind e2/0/0 to the dialer 1 interface/
#
interface NULL0
#
ip route-static 0.0.0.0 0.0.0.0 Dialer 1 preference 60
/Set dialer 1 as the default outgoing interface of routing/
#
user-interface con 0
user-interface vty 0 4
#
return
```

#### [Verification]

Using the **disp int dialer 1** command, you can see that the IP address of the Internet has been acquired, and the intranet can access the Internet through the NAT.

#### [Tip]

1. The dialer user under the dialer interface is mandatory for dialer bundle.
2. The ADSL account and password are provided by the ISP, and the authentication mode (PAP or CHAP) shall be the same as that configured on the DSLAM. You can execute the **debug ppp** command to figure it out.
3. In the case that the Internet is reachable, but the user cannot open webpage after the NAT, you shall configure **tcp mss 1400** on the intranet and Internet interfaces.

