

Configure ADSL module using PPPoEoA access Internet

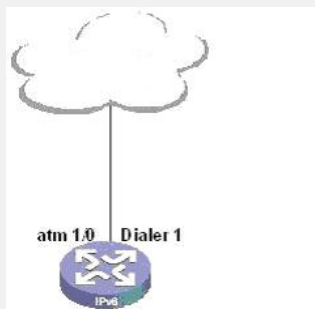
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1. Requirements

ADSL is a kind of access technical based on ATM, which adopt ATM interface display method in router. Router's ATM1/0 binds Dialer1 using PPPoEoA dial-up access Internet.

Device: MSR series router

2. Network diagram



3. Configuration steps

Device and version: MSR series, version 5.20 and Beta 1106.

RTA key configuration scripts

```
#
//create dialer-rule 1
dialer-rule 1 ip permit
#
//Configure ACL for NAT
acl number 2000
rule 0 permit source 192.168.1.0 0.0.0.255
#
//create dialer 1
interface Dialer1
link-protocol ppp
//Apply ACL 2000 for Easy IP NAT
nat outbound 2000
//ADSL account and password for authentication
ppp chap user hgw1
ppp chap password simple hgw
// Acquire IP through PPP negotiation
ip address ppp-negotiate
dialer user hgw1
dialer-group 1
dialer bundle 1
#
//create PVC
interface Atm1/0
pvc 0/35
// bind the PVC and VE 1
map bridge Virtual-Ethernet1
#
//bind VE 1 and dialer 1
interface Virtual-Ethernet1
pppoe-client dial-bundle-number 1
#
//Configure dialer 1 as the default outgoing interface of the routing
ip route-static 0.0.0.0 0.0.0.0 Dialer 1 preference 60
#
```

4. Tips

1 The ADSL method is actually same as PPPoEoA method.

2 ISP provide the VPI/VCI of PVC and PCV is: 0/35.

