AR28/AR46系列路由器DHCP Clint的典型配置
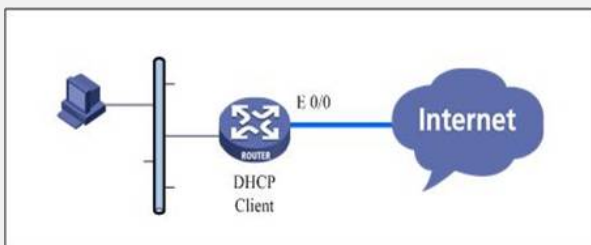
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AR28/AR46系列路由器DHCP Client典型配置

【需求】
路由器作为DHCP Client，获取接口的动态IP地址。
主要用在使用路由器的以太网接口通过LAN方式接入公网的组网。

【组网图】

【配置脚本】

RouterA配置脚本

```
#
sysname RouterA
#
radius scheme system
#
domain system
#
interface Ethernet1/0/0
ip address dhcp-alloc      /配置DHCP方式获取地址/
#
interface Ethernet1/0/1
ip address 192.168.0.1 255.255.255.0
#
interface NULL0
#
ip route-static 0.0.0.0 0.0.0.0 202.101.68.1 preference 60
/指定默认出口路由/
#
user-interface con 0
user-interface vty 0 4
#
return
```

【验证】
通过disp int 可以查看接口获取的IP地址

[Quidway]disp int e 1/0/0

Ethernet1/0/0 current state :UP

Line protocol current state :UP

Description : Ethernet1/0/0 Interface

The Maximum Transmit Unit is 1500, Hold timer is 10(sec)

Internet Address is 202.101.xx.4/24, acquired via DHCP

IP Sending Frames' Format is PKTFMT_ETHNT_2, Hardware address is 00e0-fc45-2ca7

Media type is twisted pair, loopback not set, promiscuous mode not set

100Mb/s, Full-duplex, link type is autonegotiation

Output flow-control is disabled, input flow-control is disabled

Output queue : (Urgent queue : Size/Length/Discards) 0/50/0

Output queue : (Protocol queue : Size/Length/Discards) 0/500/0

Output queue : (FIFO queuing : Size/Length/Discards) 0/75/0

  Last 300 seconds input rate 0.00 bytes/sec, 0.00 packets/sec

  Last 300 seconds output rate 0.00 bytes/sec, 0.00 packets/sec

  Input: 406 packets, 57174 bytes, 406 buffers

     218 broadcasts, 0 multicasts, 0 pauses

     0 errors, 0 runts, 0 giants

     0 crc, 0 align errors, 0 overruns

     0 dribbles, 0 drops, 0 no buffers

Output:268 packets, 37113 bytes, 269 buffers

　　　　86 broadcasts, 19 multicasts, 0 pauses

　　　　0 errors, 0 underruns, 0 collisions

　　　　0 deferred, 0 lost carriers

【提示】

1、为了实现上网功能必须指定默认路由器。该网关的地址可以通过debug dhcp client packet获得。将设备的默认路由指向该网关就可以了。该默认网关一般都是固定不变的，不会随地址的获取和释放而变化。

2、该配置经常需要和NAT配置结合起来，实现内网用户上网功能。