AR系列路由器作为PPPoE Server采用RADIUS服务器认证用户的典型配置
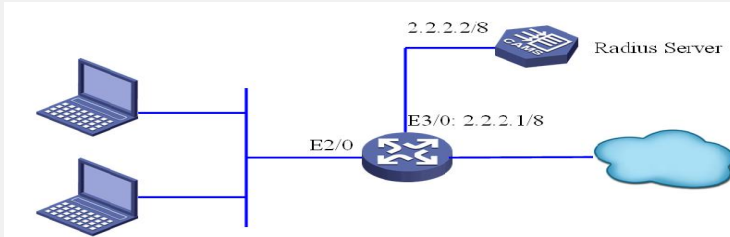
【需求】

主机Host运行PPPoE Client，通过路由器Quidway接入到Internet。路由器作为PPPoE Server，配置路由器实现RADIUS服务器对连接Internet的用户进行认证、计费.

【组网图】

【配置脚本】

PPPoE Server配置脚本

```
#
sysname Quidway
#
radius scheme system
radius scheme radius            //配置RADIUS方案
primary authentication 2.2.2.2
primary accounting 2.2.2.2
accounting optional
key authentication yao
user-name-format without-domain
accounting-on enable
#
domain radius
scheme radius-scheme radius        //增加一个IP地址池
ip pool 1 1.1.1.2 1.1.1.10
domain system
#
local-user admin
password cipher .]@USE=B,53Q=^Q`MAF4<1!!
service-type telnet terminal
level 3
service-type ftp
#
interface Virtual-Template1       //配置虚拟模板参数
ppp authentication-mode chap domain radius
ppp chap user yao
ip address 1.1.1.1 255.0.0.0
remote address pool 1
#
interface Aux0
async mode flow
#
interface Ethernet2/0           //启动PPPoE Server
pppoe-server bind Virtual-Template 1
#
interface Ethernet3/0
ip address 2.2.2.1 255.0.0.0
#
interface NULL0
#
FTP server enable
#
user-interface con 0
user-interface aux 0
user-interface vty 0 4
authentication-mode scheme
#
```

【验证】

在路由器上查看Radius服务器的相关信息

<Quidway>dis radius

SchemeName =radius   Index=1   Type=standard

Primary Auth IP =2.2.2.2   Port=1812   State=active
Primary Acct IP =2.2.2.2   Port=1813   State=active
Second Auth IP =0.0.0.0   Port=1812   State=block
Second Acct IP =0.0.0.0   Port=1813   State=block
Auth Server Encryption Key= yao
Acct Server Encryption Key= huawei
Accounting method = optional
Accounting-On packet enable, send times = 15 , interval = 3s
TimeOutValue(in second)=3 RetryTimes=3 RealtimeACCT(in minute)=12
Permitted send realtime PKT failed counts   =5
Retry sending times of noresponse acct-stop-PKT =500
Quiet-interval(min)   =5
Username format   =without-domain
Data flow unit   =Byte
Packet unit   =One Packet

查看PPPoE会话信息
<Quidway>dis pppoe-server session all
SID Intf   OIntf   RemMAC   LocMAC   State
1   Virtual-Template1:0   Ethernet2/0   0015c50b19ee 00e0fc1e5905 UP

【提示】

1 路由器作为pppoe的server端，给pc分配地址的地址池应配置在域视图下。