

配置 PC 作为 PPPoE 客户端，使之通过 6400 UAC 连接到两个 ISP

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简介

本文描述如何使用以太网点对点协议(PPPoE)客户端软件连接PC到两不同的网络服务提供商(ISP)该使用不同的用户名：

-)连接对madrid.com ISP的asier@madrid.com (密码“密码”
-)连接对barcelona.com ISP的asier@barcelona.com (密码“密码”

先决条件

要求

本文档没有任何特定的要求。

使用的组件

本文档不限于特定的软件和硬件版本。

规则

有关文档规则的详细信息，请参阅 [Cisco 技术提示规则](#)。

配置

本部分提供有关如何配置本文档所述功能的信息。

注意： 使用[命令查找工具](#) ([仅限注册用户](#)) 可获取有关本部分所使用命令的详细信息。

网络图

本文档使用以下网络设置：

配置

注意： 在Cisco 6400 NRP配置中，您设置最大传输单元(MTU)。参考[排除故障在PPPoE拨入连通性的MTU大小](#)关于如何更改MTU大小的更多信息。

Cisco 827 CPE

```
no ip routing
!
!
interface Ethernet0
  no ip address
  no ip directed-broadcast
  bridge-group 1
!
interface ATM0
  no ip address
  no ip directed-broadcast
  no atm ilmi-keepalive
  pvc 3/33
!
  encapsulation aal5snap
!
  bridge-group 1
!
bridge 1 protocol ieee
!
```

Cisco 6400 NRP

```
aaa new-model
aaa authentication login default none
aaa authentication ppp default group radius local
aaa authorization network default group radius
!
ip cef
!
vpdn enable
vpdn search-order domain
!
vpdn-group 1
  accept-dialin
  protocol pppoe
  virtual-template 1
  pppoe limit per-mac 4
  pppoe limit per-vc 4
!
```

```

vc-class atm BridgedUsers
  protocol pppoe
  ubr 10000 10000
  encapsulation aal5snap
!
interface ATM0/0/0.333 point-to-point
  pvc 3/33
  class-vc BridgedUsers
  ubr 400
!
interface Virtual-Template1
  description USED FOR PPPoE
  ip unnumbered FastEthernet0/0/0
  ip mtu 1492
  ip mroute-cache
  load-interval 30
  no peer default ip address
  ppp authentication pap
!
radius-server host 10.200.56.16 auth-port 1645 acct-port
1646 key cisco
radius-server retransmit 3
radius-server attribute nas-port format d
radius-server key cisco
!

```

用户将连接建立接口ATM 0/0/0.333。由于此接口与VC类BridgedUsers连接，使用PPPoE。对于PPPoE用户，您需要根据vpdn-group 1.应用Virtual-template 1

对于验证用户(ppp authentication pap)，请去RADIUS服务器，将发送信息创建通道到barcelona.com或madrid.com。

Cisco Secure UNIX : madrid.com

```

root@canonball[/opt/csecure/CLI]./ViewProfile -p 9900 -u
madrid.com
User Profile Information
user = madrid.com{
profile_id = 70
profile_cycle = 12
radius=SSG-6400 {
check_items= {
2=password
}
reply_attributes= {
9,1="vpdn:tunnel-id=MADRID"
9,1="vpdn:tunnel-type=l2tp"
9,1="vpdn:ip-addresses=10.200.56.9"
9,1="vpdn:l2tp-tunnel-password=password"
}
}
}

```

Cisco Secure UNIX : barcelona.com

```

root@canonball[/opt/csecure/CLI]./ViewProfile -p 9900 -u
barcelona.com
User Profile Information
user = barcelona.com{
profile_id = 71

```

```

profile_cycle = 13
radius=SSG-6400 {
check_items= {
2=password
}
reply_attributes= {
9,1="vpdn:tunnel-id=BARCELONA"
9,1="vpdn:tunnel-type=l2tp"
9,1="vpdn:ip-addresses=10.200.56.8"
9,1="vpdn:l2tp-tunnel-password=password"
}
}
}

```

madrid.com ISP本地将验证。您需要发送客户IP地址和IP地址DNS服务器的。

ISP madrid.com

```

ip name-server 144.254.6.135
ip name-server 144.254.6.143
!
username asier@madrid.com password 0 password
!
vpdn-group MADRID
accept-dialin
protocol l2tp
virtual-template 1
terminate-from hostname MADRID
local name TO-MADRID
l2tp tunnel password 0 password
!
!
interface Virtual-Template1
description USED FOR PPPoA
ip unnumbered FastEthernet0/0/0
no ip route-cache cef
load-interval 30
peer default ip address pool MADRID
no ppp lcp fast-start
ppp authentication pap
!
ip local pool MADRID 31.0.0.1
!

```

当曾经barcelona.com时，路由器从RADIUS服务器将获得IP地址并且发送它给PPPoE客户端。

ISP barcelona.com

```

aaa new-model
aaa authentication login default none
aaa authentication ppp default group radius local
aaa authorization network default group radius
!
!
vpdn-group BARCELONA
accept-dialin
protocol l2tp
virtual-template 2
terminate-from hostname BARCELONA

```

```
local name TO-BARCELONA
l2tp tunnel password 7 070C285F4D06
!
!
interface Virtual-Template2
 ip unnumbered FastEthernet0/0/0
 no ip route-cache cef
 load-interval 30
 no peer default ip address
 no ppp lcp fast-start
 ppp authentication pap
!
radius-server host 10.200.56.16 auth-port 1645 acct-port
1646 key cisco
radius-server retransmit 3
radius-server attribute nas-port format d
radius-server key cisco
```

巴塞罗那RADIUS服务器

```
root@barcelona-radius[/opt/csecure/CLI] ./ViewProfile -p
9900
-u asier@barcelona.com
!--- This output should be on one line on the screen.

User Profile Information
user = asier@barcelona.com{
profile_id = 69
profile_cycle = 8
radius=SSG-6400 {
check_items= {
2=password
}
reply_attributes= {
6=2
7=1
8=452984833
9=4294967295
}
}
}

root@barcelona-radius[/opt/csecure/CLI]
```

调试输出示例

[命令输出解释程序 \(仅限注册用户 \)](#) (OIT) 支持某些 **show** 命令。使用 OIT 可查看对 show 命令输出的分析。

注意： 使用 **debug** 命令之前，请参阅[有关 Debug 命令的重要信息](#)。

[连接的调试对madrid.com的：在6400 NRP的调试](#)

```
6400_nrp1#show debug
General OS:
AAA Authentication debugging is on
AAA Authorization debugging is on
```

VPN:

```
L2X protocol events debugging is on
Radius protocol debugging is on
6400_nrp1#
6400_nrp1#
00:54:54: %LINK-3-UPDOWN: Interface Virtual-Access1, changed state to up
00:54:54: Vi1 AAA/AUTHOR/FSM: (0): LCP succeeds trivially
00:54:56: AAA: parse name=Virtual-Access1 idb type=21 tty=-1
00:54:56: AAA: name=Virtual-Access1 flags=0x11 type=7 shelf=0 slot=0 adapter=0
port=1 channel=0
00:54:56: AAA/MEMORY: create_user (0x61561D74) user='madrid.com' ruser=''
port='Virtual-Access1' rem_addr='' authen_type=NONE service=LOGIN priv=0
00:54:56: Virtual-Access1 AAA/AUTHOR/VPDN (2958969022): Port='Virtual-Access1'
list='default' service=NET
00:54:56: AAA/AUTHOR/VPDN: Virtual-Access1 (2958969022) user='madrid.com'
00:54:56: Virtual-Access1 AAA/AUTHOR/VPDN (2958969022): send AV service=ppp
00:54:56: Virtual-Access1 AAA/AUTHOR/VPDN (2958969022): send AV protocol=vpdn
00:54:56: Virtual-Access1 AAA/AUTHOR/VPDN (2958969022): found list "default"
00:54:56: Virtual-Access1 AAA/AUTHOR/VPDN (2958969022): Method=radius (radius)
00:54:56: RADIUS: authenticating to get author data
00:54:56: RADIUS: ustruct sharecount=2
00:54:56: RADIUS: Initial Transmit Virtual-Access1 id 8 10.200.56.16:1645,
Access-Request, len 74
00:54:56: Attribute 4 6 0AC83803
00:54:56: Attribute 5 6 20030021
00:54:56: Attribute 61 6 00000005
00:54:56: Attribute 1 12 6D616472
00:54:56: Attribute 2 18 A6921C76
00:54:56: Attribute 6 6 00000005
00:54:56: RADIUS: Received from id 8 10.200.56.16:1645, Access-Accept, len 158
00:54:56: Attribute 26 30 0000000901187670
00:54:56: Attribute 26 30 0000000901187670
00:54:56: Attribute 26 38 0000000901207670
00:54:56: Attribute 26 40 0000000901227670
00:54:56: RADIUS: saved authorization data for user 61561D74 at 61559AD0
00:54:56: RADIUS: cisco AVPair "vpdn:tunnel-id=MADRID"
00:54:56: RADIUS: cisco AVPair "vpdn:tunnel-type=l2tp"
00:54:56: RADIUS: cisco AVPair "vpdn:ip-addresses=10.200.56.9"
00:54:56: RADIUS: cisco AVPair "vpdn:l2tp-tunnel-password=cisco"
00:54:56: AAA/AUTHOR (2958969022): Post authorization status = PASS_ADD
00:54:56: AAA/AUTHOR/VPDN: Processing AV service=ppp
00:54:56: AAA/AUTHOR/VPDN: Processing AV protocol=vpdn
00:54:56: AAA/AUTHOR/VPDN: Processing AV tunnel-id=MADRID
00:54:56: AAA/AUTHOR/VPDN: Processing AV tunnel-type=l2tp
00:54:56: AAA/AUTHOR/VPDN: Processing AV ip-addresses=10.200.56.9
00:54:56: AAA/AUTHOR/VPDN: Processing AV l2tp-tunnel-password=cisco
00:54:56: AAA/MEMORY: free_user (0x61561D74) user='madrid.com' ruser=''
port='Virtual-Access1' rem_addr='' authen_type=NONE service=LOGIN priv=0
00:54:56: Tnl 8945 L2TP: SM State idle
00:54:56: Tnl 8945 L2TP: O SCCRQ
00:54:56: Tnl 8945 L2TP: Tunnel state change from idle to wait-ctl-reply
00:54:56: Tnl 8945 L2TP: SM State wait-ctl-reply
00:54:56: Tnl 8945 L2TP: I SCCRP from TO-MADRID
00:54:56: Tnl 8945 L2TP: Got a challenge from remote peer, TO-MADRID
00:54:56: Tnl 8945 L2TP: Got a response from remote peer, TO-MADRID
00:54:56: Tnl 8945 L2TP: Tunnel Authentication success
00:54:56: Tnl 8945 L2TP: Tunnel state change from wait-ctl-reply to established
00:54:56: Tnl 8945 L2TP: O SCCCN to TO-MADRID tnlid 20349
00:54:56: Tnl 8945 L2TP: SM State established
00:54:56: AAA: parse name=Virtual-Access1 idb type=21 tty=-1
00:54:56: AAA: name=Virtual-Access1 flags=0x11 type=7 shelf=0 slot=0 adapter=0
port=1 channel=0
00:54:56: AAA/MEMORY: create_user (0x6155AA68) user='asier@madrid.com' ruser=''
port='Virtual-Access1' rem_addr='' authen_type=CHAP service=PPP priv=1
```

```
00:54:56: Tnl/Cl 8945/10 L2TP: Session FS enabled
00:54:56: Tnl/Cl 8945/10 L2TP: Session state change from idle to wait-for-tunnel
00:54:56: Vi1 Tnl/Cl 8945/10 L2TP: Create session
00:54:56: Tnl 8945 L2TP: SM State established
00:54:56: Vi1 Tnl/Cl 8945/10 L2TP: O ICRQ to TO-MADRID 20349/0
00:54:56: Vi1 Tnl/Cl 8945/10 L2TP: Session state change from wait-for-tunnel
to wait-reply
00:54:56: Vi1 Tnl/Cl 8945/10 L2TP: O ICCN to TO-MADRID 20349/42
00:54:56: Vi1 Tnl/Cl 8945/10 L2TP: Session state change from wait-reply
to established
00:54:57: %LINEPROTO-5-UPDOWN: Line protocol on Interface Virtual-Access1,
changed state to up
```

```
6400_nrp1#
6400_nrp1#
6400_nrp1#sh vpdn tunn
```

```
L2TP Tunnel Information Total tunnels 1 sessions 1
```

LocID	RemID	Remote Name	State	Remote Address	Port	Sessions
8945	20349	TO-MADRID	est	10.200.56.9	1701	1

```
%No active L2F tunnels
```

```
PPPoE Tunnel Information Total tunnels 1 sessions 1
```

```
PPPoE Tunnel Information
```

```
Session count: 1
```

```
6400_nrp1#
```

[连接的调试对madrid.com的 : 在madrid.com的调试](#)

```
madrid#show debug
```

```
VPN:
```

```
L2X protocol events debugging is on
```

```
PPP:
```

```
PPP authentication debugging is on
```

```
PPP protocol negotiation debugging is on
```

```
madrid#
```

```
3d22h: Tnl 62700 L2TP: O StopCCN to MADRID tnlid 57782
3d22h: Tnl 62700 L2TP: Tunnel state change from no-sessions-left to shutting-down
3d22h: Tnl 62700 L2TP: Shutdown tunnel
3d22h: Tnl 62700 L2TP: Tunnel state change from shutting-down to idle
3d22h: L2TP: I SCCRQ from MADRID tnl 41083
3d22h: Tnl 39515 L2TP: Got a challenge in SCCRQ, MADRID
3d22h: Tnl 39515 L2TP: New tunnel created for remote MADRID, address 10.200.56.4
3d22h: Tnl 39515 L2TP: O SCCRP to MADRID tnlid 41083
3d22h: Tnl 39515 L2TP: Tunnel state change from idle to wait-ctl-reply
3d22h: Tnl 39515 L2TP: I SCCCN from MADRID tnl 41083
3d22h: Tnl 39515 L2TP: Got a Challenge Response in SCCCN from MADRID
3d22h: Tnl 39515 L2TP: Tunnel Authentication success
3d22h: Tnl 39515 L2TP: Tunnel state change from wait-ctl-reply to established
3d22h: Tnl 39515 L2TP: SM State established
3d22h: Tnl 39515 L2TP: I ICRQ from MADRID tnl 41083
3d22h: Tnl/Cl 39515/44 L2TP: Session FS enabled
3d22h: Tnl/Cl 39515/44 L2TP: Session state change from idle to wait-connect
3d22h: Tnl/Cl 39515/44 L2TP: New session created
3d22h: Tnl/Cl 39515/44 L2TP: O ICRP to MADRID 41083/12
3d22h: Tnl/Cl 39515/44 L2TP: I ICCN from MADRID tnl 41083, cl 12
3d22h: Tnl/Cl 39515/44 L2TP: Session state change from wait-connect to established
3d22h: Vi1 PPP: Phase is DOWN, Setup [0 sess, 0 load]
3d22h: %LINK-3-UPDOWN: Interface Virtual-Access1, changed state to up
```

```
3d22h: Vi1 PPP: Treating connection as a dedicated line
3d22h: Vi1 PPP: Phase is ESTABLISHING, Active Open [0 sess, 0 load]
3d22h: Vi1 LCP: O CONFREQ [Closed] id 1 len 14
3d22h: Vi1 LCP:   AuthProto PAP (0x0304C023)
3d22h: Vi1 LCP:   MagicNumber 0x64D04BCB (0x050664D04BCB)
3d22h: Vi1 PPP: Using set call direction
3d22h: Vi1 PPP: Treating connection as a callin
3d22h: Vi1 LCP: I FORCED CONFREQ len 10
3d22h: Vi1 LCP:   AuthProto PAP (0x0304C023)
3d22h: Vi1 LCP:   MagicNumber 0x10B541C6 (0x050610B541C6)
3d22h: Vi1 PPP: Phase is AUTHENTICATING, by this end [0 sess, 0 load]
3d22h: Vi1 PAP: I AUTH-REQ id 1 len 30 from "asier@madrid.com"
3d22h: Vi1 PAP: Authenticating peer asier@madrid.com
3d22h: Vi1 PAP: O AUTH-ACK id 1 len 5
3d22h: Vi1 PPP: Phase is UP [0 sess, 0 load]
3d22h: Vi1 IPCP: O CONFREQ [Closed] id 1 len 10
3d22h: Vi1 IPCP:   Address 10.200.56.9 (0x03060AC83809)
3d22h: Vi1 IPCP: I CONFREQ [REQsent] id 1 len 34
3d22h: Vi1 IPCP:   Address 0.0.0.0 (0x030600000000)
3d22h: Vi1 IPCP:   PrimaryDNS 0.0.0.0 (0x810600000000)
3d22h: Vi1 IPCP:   PrimaryWINS 0.0.0.0 (0x820600000000)
3d22h: Vi1 IPCP:   SecondaryDNS 0.0.0.0 (0x830600000000)
3d22h: Vi1 IPCP:   SecondaryWINS 0.0.0.0 (0x840600000000)
3d22h: Vi1 IPCP: Pool returned 31.0.0.1
3d22h: Vi1 IPCP: O CONFREQ [REQsent] id 1 len 16
3d22h: Vi1 IPCP:   PrimaryWINS 0.0.0.0 (0x820600000000)
3d22h: Vi1 IPCP:   SecondaryWINS 0.0.0.0 (0x840600000000)
3d22h: Vi1 IPCP: I CONFACK [REQsent] id 1 len 10
3d22h: Vi1 IPCP:   Address 10.200.56.9 (0x03060AC83809)
3d22h: Vi1 IPCP: I CONFREQ [ACKrcvd] id 2 len 22
3d22h: Vi1 IPCP:   Address 0.0.0.0 (0x030600000000)
3d22h: Vi1 IPCP:   PrimaryDNS 0.0.0.0 (0x810600000000)
3d22h: Vi1 IPCP:   SecondaryDNS 0.0.0.0 (0x830600000000)
3d22h: Vi1 IPCP: O CONFNAK [ACKrcvd] id 2 len 22
3d22h: Vi1 IPCP:   Address 31.0.0.1 (0x03061F000001)
3d22h: Vi1 IPCP:   PrimaryDNS 144.254.6.135 (0x810690FE0687)
3d22h: Vi1 IPCP:   SecondaryDNS 144.254.6.143 (0x830690FE068F)
3d22h: Vi1 IPCP: I CONFREQ [ACKrcvd] id 3 len 22
3d22h: Vi1 IPCP:   Address 31.0.0.1 (0x03061F000001)
3d22h: Vi1 IPCP:   PrimaryDNS 144.254.6.135 (0x810690FE0687)
3d22h: Vi1 IPCP:   SecondaryDNS 144.254.6.143 (0x830690FE068F)
3d22h: Vi1 IPCP: O CONFACK [ACKrcvd] id 3 len 22
3d22h: Vi1 IPCP:   Address 31.0.0.1 (0x03061F000001)
3d22h: Vi1 IPCP:   PrimaryDNS 144.254.6.135 (0x810690FE0687)
3d22h: Vi1 IPCP:   SecondaryDNS 144.254.6.143 (0x830690FE068F)
3d22h: Vi1 IPCP: State is Open
3d22h: Vi1 IPCP: Install route to 31.0.0.1
3d22h: %LINEPROTO-5-UPDOWN: Line protocol on Interface Virtual-Access1,
changed state to up
```

[连接的调试对barcelona.com的：在barcelona.com的调试](#)

```
barcelona#show debug
```

```
General OS:
```

```
AAA Authentication debugging is on
```

```
AAA Authorization debugging is on
```

```
PPP:
```

```
PPP authentication debugging is on
```

```
PPP protocol negotiation debugging is on
```

```
barcelona#
```

```
barcelona#
```

```
*Oct 23 07:32:08.257: Vi1 LCP: I ECHOREQ [Open] id 114 len 12 magic 0x1FE02867
```



```
*Oct 23 07:32:08.257: Vi1 LCP: O ECHOREP [Open] id 114 len 12 magic 0x6DBBA9F4
*Oct 23 07:32:16.813: Vi2 PPP: Phase is DOWN, Setup [0 sess, 1 load]
*Oct 23 07:32:16.925: %LINK-3-UPDOWN: Interface Virtual-Access2, changed state to up
*Oct 23 07:32:16.925: Vi2 PPP: Treating connection as a dedicated line
*Oct 23 07:32:16.925: Vi2 PPP: Phase is ESTABLISHING, Active Open [0 sess, 1 load]
*Oct 23 07:32:16.925: Vi2 AAA/AUTHOR/FSM: (0): LCP succeeds trivially
*Oct 23 07:32:16.925: Vi2 LCP: O CONFREQ [Closed] id 1 len 14
*Oct 23 07:32:16.925: Vi2 LCP:   AuthProto PAP (0x0304C023)
*Oct 23 07:32:16.925: Vi2 LCP:   MagicNumber 0x6E69874A (0x05066E69874A)
*Oct 23 07:32:16.925: Vi2 PPP: Using set call direction
*Oct 23 07:32:16.925: Vi2 PPP: Treating connection as a callin
*Oct 23 07:32:16.925: Vi2 LCP: I FORCED CONFREQ len 10
*Oct 23 07:32:16.925: Vi2 LCP:   AuthProto PAP (0x0304C023)
*Oct 23 07:32:16.925: Vi2 LCP:   MagicNumber 0x10C2B619 (0x050610C2B619)
*Oct 23 07:32:16.925: Vi2 PPP: Phase is AUTHENTICATING, by this end [0 sess, 1 load]
*Oct 23 07:32:16.925: Vi2 PAP: I AUTH-REQ id 1 len 33 from "asier@barcelona.com"
*Oct 23 07:32:16.925: Vi2 PAP: Authenticating peer asier@barcelona.com
*Oct 23 07:32:16.925: AAA: parse name=Virtual-Access2 idb type=21 tty=-1
*Oct 23 07:32:16.925: AAA: name=Virtual-Access2 flags=0x11 type=5 shelf=0 slot=0
adapter=0 port=2 channel=0
*Oct 23 07:32:16.925: AAA/MEMORY: create_user (0x6187732C) user='asier@barcelona.com'
ruser='' port='Virtual-Access2' rem_addr='' authn_type=PAP service=PPP priv=1
*Oct 23 07:32:16.925: AAA/AUTHEN/START (3921030273): port='Virtual-Access2' list=''
action=LOGIN service=PPP
*Oct 23 07:32:16.929: AAA/AUTHEN/START (3921030273): using "default" list
*Oct 23 07:32:16.929: AAA/AUTHEN/START (3921030273): Method=radius (radius)
*Oct 23 07:32:16.933: AAA/AUTHEN (3921030273): status = PASS
*Oct 23 07:32:16.933: Vi2 AAA/AUTHOR/LCP: Authorize LCP
*Oct 23 07:32:16.933: Vi2 AAA/AUTHOR/LCP (230701808): Port='Virtual-Access2'
list='' service=NET
*Oct 23 07:32:16.933: AAA/AUTHOR/LCP: Vi2 (230701808) user='asier@barcelona.com'
*Oct 23 07:32:16.933: Vi2 AAA/AUTHOR/LCP (230701808): send AV service=ppp
*Oct 23 07:32:16.933: Vi2 AAA/AUTHOR/LCP (230701808): send AV protocol=lcp
*Oct 23 07:32:16.933: Vi2 AAA/AUTHOR/LCP (230701808): found list "default"
*Oct 23 07:32:16.933: Vi2 AAA/AUTHOR/LCP (230701808): Method=radius (radius)
*Oct 23 07:32:16.933: Vi2 AAA/AUTHOR (230701808): Post authorization status = PASS_REPL
*Oct 23 07:32:16.933: Vi2 AAA/AUTHOR/LCP: Processing AV service=ppp
*Oct 23 07:32:16.933: Vi2 PAP: O AUTH-ACK id 1 len 5
*Oct 23 07:32:16.933: Vi2 PPP: Phase is UP [0 sess, 1 load]
*Oct 23 07:32:16.933: Vi2 AAA/AUTHOR/FSM: (0): Can we start IPCP?
*Oct 23 07:32:16.933: Vi2 AAA/AUTHOR/FSM (284378021): Port='Virtual-Access2'
list='' service=NET
*Oct 23 07:32:16.933: AAA/AUTHOR/FSM: Vi2 (284378021) user='asier@barcelona.com'
*Oct 23 07:32:16.933: Vi2 AAA/AUTHOR/FSM (284378021): send AV service=ppp
*Oct 23 07:32:16.933: Vi2 AAA/AUTHOR/FSM (284378021): send AV protocol=ip
*Oct 23 07:32:16.933: Vi2 AAA/AUTHOR/FSM (284378021): found list "default"
*Oct 23 07:32:16.933: Vi2 AAA/AUTHOR/FSM (284378021): Method=radius (radius)
*Oct 23 07:32:16.933: Vi2 AAA/AUTHOR (284378021): Post authorization status = PASS_REPL
*Oct 23 07:32:16.933: Vi2 AAA/AUTHOR/FSM: We can start IPCP
*Oct 23 07:32:16.933: Vi2 IPCP: O CONFREQ [Closed] id 1 len 10
*Oct 23 07:32:16.933: Vi2 IPCP:   Address 0.0.0.0 (0x030600000000)
*Oct 23 07:32:16.957: Vi2 IPCP: I CONFREQ [REQsent] id 1 len 34
*Oct 23 07:32:16.957: Vi2 IPCP:   Address 0.0.0.0 (0x030600000000)
*Oct 23 07:32:16.957: Vi2 IPCP:   PrimaryDNS 0.0.0.0 (0x810600000000)
*Oct 23 07:32:16.957: Vi2 IPCP:   PrimaryWINS 0.0.0.0 (0x820600000000)
*Oct 23 07:32:16.957: Vi2 IPCP:   SecondaryDNS 0.0.0.0 (0x830600000000)
*Oct 23 07:32:16.957: Vi2 IPCP:   SecondaryWINS 0.0.0.0 (0x840600000000)
*Oct 23 07:32:16.961: Vi2 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0,
we want 0.0.0.0
*Oct 23 07:32:16.961: Vi2 AAA/AUTHOR/IPCP: Processing AV service=ppp
*Oct 23 07:32:16.961: Vi2 AAA/AUTHOR/IPCP: Processing AV addr=27.0.0.1
*Oct 23 07:32:16.961: Vi2 AAA/AUTHOR/IPCP: Authorization succeeded
*Oct 23 07:32:16.961: Vi2 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0,
we want 27.0.0.1
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*Oct 23 07:32:16.961: Vi2 IPCP: O CONFREJ [REQsent] id 1 len 28
*Oct 23 07:32:16.961: Vi2 IPCP: PrimaryDNS 0.0.0.0 (0x810600000000)
*Oct 23 07:32:16.961: Vi2 IPCP: PrimaryWINS 0.0.0.0 (0x820600000000)
*Oct 23 07:32:16.961: Vi2 IPCP: SecondaryDNS 0.0.0.0 (0x830600000000)
*Oct 23 07:32:16.961: Vi2 IPCP: SecondaryWINS 0.0.0.0 (0x840600000000)
*Oct 23 07:32:16.965: Vi2 IPCP: I CONFACK [REQsent] id 1 len 10
*Oct 23 07:32:16.965: Vi2 IPCP: Address 0.0.0.0 (0x030600000000)
*Oct 23 07:32:16.981: Vi2 IPCP: I CONFREQ [ACKrcvd] id 2 len 10
*Oct 23 07:32:16.981: Vi2 IPCP: Address 0.0.0.0 (0x030600000000)
*Oct 23 07:32:16.981: Vi2 AAA/AUTHOR/IPCP: Start. Her address 0.0.0.0,
we want 27.0.0.1
*Oct 23 07:32:16.981: Vi2 AAA/AUTHOR/IPCP: Processing AV service=ppp
*Oct 23 07:32:16.981: Vi2 AAA/AUTHOR/IPCP: Processing AV addr=27.0.0.1
*Oct 23 07:32:16.981: Vi2 AAA/AUTHOR/IPCP: Authorization succeeded
*Oct 23 07:32:16.981: Vi2 AAA/AUTHOR/IPCP: Done. Her address 0.0.0.0,
we want 27.0.0.1
*Oct 23 07:32:16.981: Vi2 IPCP: O CONFNAK [ACKrcvd] id 2 len 10
*Oct 23 07:32:16.981: Vi2 IPCP: Address 27.0.0.1 (0x03061B000001)
*Oct 23 07:32:17.001: Vi2 IPCP: I CONFREQ [ACKrcvd] id 3 len 10
*Oct 23 07:32:17.001: Vi2 IPCP: Address 27.0.0.1 (0x03061B000001)
*Oct 23 07:32:17.001: Vi2 AAA/AUTHOR/IPCP: Start. Her address 27.0.0.1,
we want 27.0.0.1
*Oct 23 07:32:17.001: Vi2 AAA/AUTHOR/IPCP: Processing AV service=ppp
*Oct 23 07:32:17.001: Vi2 AAA/AUTHOR/IPCP: Processing AV addr=27.0.0.1
*Oct 23 07:32:17.001: Vi2 AAA/AUTHOR/IPCP: Authorization succeeded
*Oct 23 07:32:17.001: Vi2 AAA/AUTHOR/IPCP: Done. Her address 27.0.0.1,
we want 27.0.0.1
*Oct 23 07:32:17.001: Vi2 IPCP: O CONFACK [ACKrcvd] id 3 len 10
*Oct 23 07:32:17.001: Vi2 IPCP: Address 27.0.0.1 (0x03061B000001)
*Oct 23 07:32:17.001: Vi2 IPCP: State is Open
*Oct 23 07:32:17.005: Vi2 IPCP: Install route to 27.0.0.1
*Oct 23 07:32:17.933: %LINEPROTO-5-UPDOWN: Line protocol on Interface Virtual-Access2,
changed state to up
```

[相关信息](#)

- [长距离以太网\(LRE\)和数字用户线\(xDSL\)支持页面](#)
- [思科800系列路由器网络环境](#)
- [思科800系列路由器高级路由器配置](#)
- [思科800系列路由器排除故障](#)
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