6400 UAC を使用する 2 つの ISP に接続するためにマシンを PPPoE クライアントとして設定する方法

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概要

この資料に 2 つの異なるインターネットサービスプロバイダー（ISP）に PC を接続するのに Point-to-Point Protocol over Ethernet（PPPoE） クライアントソフトウェアを使用する方法をその使用異なるユーザー ユーザー名記述されています:

- madrid.com ISP に接続するべき asier@madrid.com（パスワード「パスワード」）
- barcelona.com ISP に接続するべき asier@barcelona.com（パスワード「パスワード」）

前提条件

要件

このドキュメントに関する固有の要件はありません。

使用するコンポーネント

このドキュメントは、特定のソフトウェアやハードウェアのバージョンに限定されるものではありません。

表記法

ドキュメント表記の詳細は、『シスコ テクニカル ティップスの表記法』を参照してください。

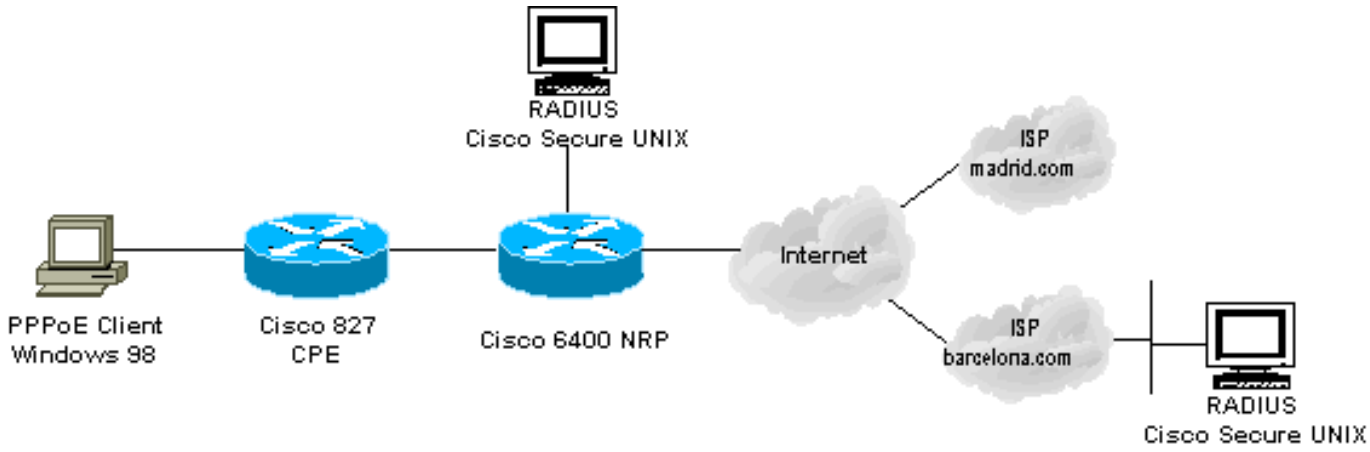
設定

この項では、このドキュメントで説明する機能の設定に必要な情報を提供します。

注: このセクションで使用されているコマンドの詳細を調べるには、Command Lookup Tool（登録ユーザ専用）を使用してください。

ネットワーク図

このドキュメントでは、次のネットワーク構成を使用しています。



設定

注: Cisco 6400 NRP 設定では、最大伝送ユニット（MTU）を設定 しました。 MTU サイズを変更する方法に関する詳細については PPPoE ダイヤル接続のMTU サイズのトラブルシューティングを参照して下さい。

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
!
```

ユーザは ATM 0/0/0.333 をインターフェイスさせるために接続します。 このインターフェイスは vc-class BridegedUsers にリンクされるので、PPPoE を使用しています。 PPPoE ユーザ向けに、`vpdn-group 1`.に従って `Virtual-template 1` 適用する必要があります

ユーザ (`ppp authentication pap`) を認証するために、barcelona.com か madrid.com にトンネルを作成するために情報を送信 する RADIUSサーバに行って下さい。

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 はローカルで認証します。 DNSサーバのための IP アドレスおよび IP アドレス顧客を送信 する必要があります。

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
```

```
!
```

barcelona.com を使用するとき、ルータは RADIUSサーバから IP アドレスを得、PPPoE クライアントに送信をそれ。

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
```

バルセロナ RADIUSサーバ

```
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]
```

debug 出力例

Output Interpreter Tool（OIT）（登録ユーザ専用）では、特定の **show** コマンドがサポートされています。 OIT を使用して、**show** コマンド出力の解析を表示できます。

注: debug コマンドを使用する前に、『**debug コマンドの重要な情報**』を参照してください。

madrid.com への接続のデバッグ: 6400 NRP のデバッグ

```
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#
```

madrid.com への接続のデバッグ: madrid.com のデバッグ

```
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 CONFREJ [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
```

barcelona.com への接続のデバッグ: barcelona.com のデバッグ

```
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='' authen_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
```

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*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
*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
```

関連情報

- ロング リーチ イーサネット (LRE) とデジタル加入者線 (xDSL) サポートページ
- Cisco 800 シリーズ ルータ ネットワークシナリオ
- Cisco 800 シリーズ ルータ 高機能ルータ 設定
- Cisco 800 シリーズ ルータ トラブルシューティング
- ユニバーサル ゲートウェイ/アクセス サーバ サポートページ
- ダイヤルとアクセス サポートページ
- テクニカルサポートとドキュメント - Cisco Systems