

Configuration d'un PC en tant que client PPPoE pour une connexion à deux FSI avec un UAC 6400

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Introduction

Ce document décrit comment employer le logiciel client de Protocole PPPoE (PPP sur Ethernet) pour connecter un PC à deux fournisseurs d'accès Internet différents (ISP) différents noms d'utilisateur de cette utilisation :

- asier@madrid.com (mot de passe « mot de passe ») pour connecter à madrid.com l'ISP
- asier@barcelona.com (mot de passe « mot de passe ») pour connecter à barcelona.com l'ISP

Conditions préalables

Conditions requises

Aucune spécification déterminée n'est requise pour ce document.

Composants utilisés

Ce document n'est pas limité à des versions de matériel et de logiciel spécifiques.

Conventions

Pour plus d'informations sur les conventions utilisées dans ce document, reportez-vous à [Conventions relatives aux conseils techniques Cisco](#).

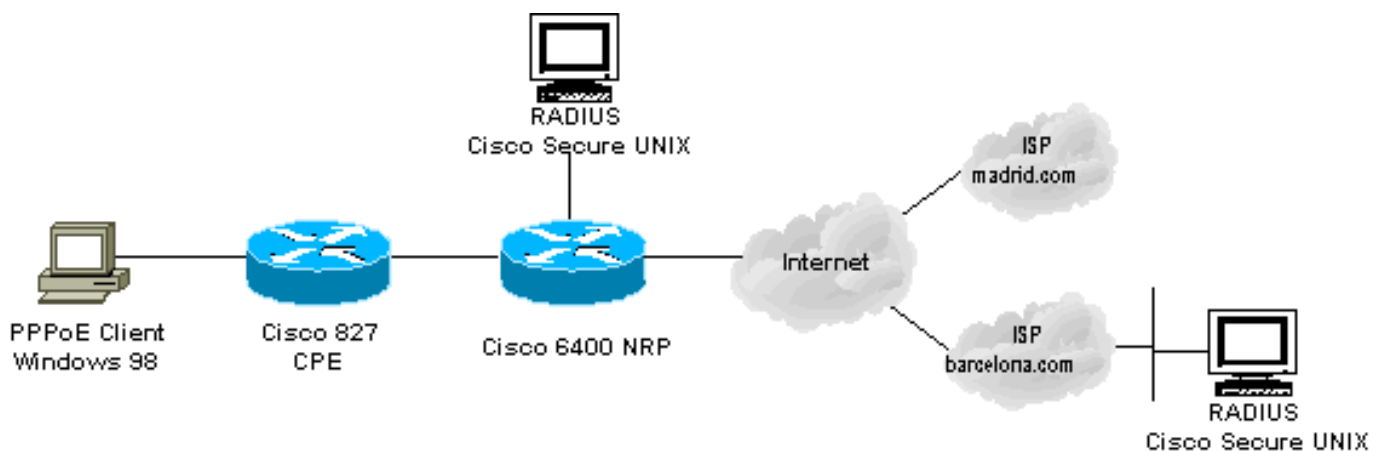
Configurez

Cette section vous fournit des informations pour configurer les fonctionnalités décrites dans ce document.

Remarque: Utilisez l'outil [Command Lookup Tool](#) (clients [enregistrés](#) seulement) pour obtenir plus d'informations sur les commandes utilisées dans cette section.

Diagramme du réseau

Ce document utilise la configuration réseau suivante :



Configurations

Remarque: Dans la configuration du Cisco 6400 NRP, vous avez placé le Maximum Transmission Unit (MTU). Référez-vous à la [taille de MTU de dépannage dans la Connectivité de Dialin de PPPoE](#) pour plus d'informations sur la façon de changer la taille de MTU.

CPE de Cisco 827

```
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-Templat1  
  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  
!  
!
```

L'utilisateur se connectera à l'interface atm 0/0/0.333. Puisque cette interface est circuit virtuel-classe jointe BridgedUsers, elle utilise le PPPoE. Pour les utilisateurs PPPoE, vous devez appliquer le virtual-template 1 selon le vpdn-groupe 1.

Pour authentifier l'utilisateur (authentification PAP de ppp), allez au serveur de RAYON, qui enverra les informations pour créer un tunnel à barcelona.com ou à 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"
}
}
}
```

L'ISP de madrid.com authentifiera localement. Vous devez envoyer au client l'adresse IP et les adresses IP pour les serveurs DNS.

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-Templatel
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
```

```
!
```

Quand utilisant barcelona.com, le routeur obtiendra l'adresse IP du serveur de RAYON et l'enverra au PPPoE Client.

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
```

Serveur de RAYON de Barcelone

```
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]
```

Exemple de sortie de débogage

L'[Outil Interpréteur de sortie](#) (clients [enregistrés](#) uniquement) (OIT) prend en charge certaines commandes **show**. Utilisez l'OIT pour afficher une analyse de la sortie de la commande **show**.

Remarque: Référez-vous aux [informations importantes sur les commandes de débogage](#) avant d'utiliser les commandes de **débogage**.

Debug d'une connexion à madrid.com : Debug sur 6400 NRP

```
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#
```

[Debug d'une connexion à madrid.com : Debug sur madrid.com](#)

```
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

[Debug d'une connexion à barcelona.com : Debug sur barcelona.com](#)

```
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
```

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*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
*Oct 23 07:32:16.961: Vi2 IPCP: O CONFREQ [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

```

[Informations connexes](#)

- [Pages de support d'Ethernet longue portée \(LRE\) et ligne numérique d'abonné \(xDSL\)](#)
- [Scénarios de réseau de Routeurs de la gamme Cisco 800](#)
- [Configuration de routeur avancée de Routeurs de la gamme Cisco 800](#)
- [Dépannage de Routeurs de la gamme Cisco 800](#)
- [Pages de support de Passerelles universelles et serveurs d'accès](#)
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