Configuration d'un routeur Cisco et de clients VPN à l'aide de PPTP et MPPE

Contenu

Introduction

Ce document décrit comment configurer un routeur de Cisco IOS® qui termine des clients du Protocol de canalisation en tunnel point-à-point de Windows 2000 (PPTP), et le cryptage point par point Protocol (MPPE) de Microsoft.

Reportez-vous à Configuration de Cisco Secure ACS pour l'authentification PPTP de routeurs Windows pour plus d'informations sur l'authentification PPTP avec Cisco Secure Access Control Server (ACS).

Conditions préalables

Conditions requises

Aucune spécification déterminée n'est requise pour ce document.

Components Used

Les informations de ce document sont basées sur les versions de logiciel et matériel suivantes :

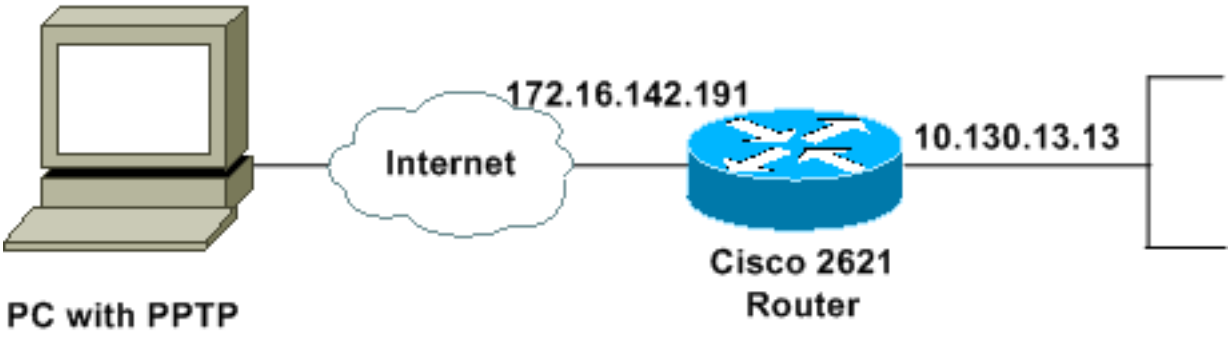
- Routeur Cisco 2621 exécutant le logiciel Cisco IOS Version 12.2
- Microsoft Windows 2000

The information in this document was created from the devices in a specific lab environment. All of

the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Diagramme du réseau

Ce document utilise la configuration réseau suivante :



Conventions

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

Configuration du routeur PPTP

Ces commandes IOS s'appliquent à toutes les plates-formes qui prennent en charge PPTP.

```
2621#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
!--- Enable virtual private dial-up networking. 2621(config)#vpdn enable
!--- Enters VPDN group configuration mode for the specified VPDN group. 2621(config)#vpdn-group
1
!--- Enters VPDN accept-dialin configuration mode !--- and enables the router to accept dial-in
requests. 2621(config-vpdn)#accept-dialin
!--- Specifies which PPTP protocol is used. 2621(config-vpdn-acc-in)#protocol pptp
!--- Specifies the virtual template that is used !--- in order to clone the virtual access
interface. 2621(config-vpdn-acc-in)#virtual-template 1
2621(config-vpdn-acc-in)#exit

2621(config)#ip local pool test 192.168.1.1 192.168.1.250
!--- Create virtual-template interface used for cloning !--- virtual-access interfaces with the
use of address pool test !--- with Challenge Authentication Protocol (CHAP) authentication, PAP,
and MS-CHAP. 2621(config)#interface virtual-template 1

2621(config-if)#encapsulation ppp
2621(config-if)#peer default ip address pool test
2621(config-if)#ip unnumbered FastEthernet0/0
2621(config-if)#no keepalive
2621(config-if)#ppp encrypt mppe auto
2621(config-if)#ppp authentication pap chap ms-chap
```

Routeur Cisco 2621
2621#show run Building configuration...

```
Current configuration : 1566 bytes
!
version 12.2
service timestamps debug datetime msec localtime
service timestamps log datetime msec localtime
no service password-encryption
!
hostname 2621
!
boot system flash
logging queue-limit 100
enable secret 5 $1$dGFC$VA28yOWzxlCKyj1dq8SkE/
!
username cisco password 0 cisco123
username client password 0 testclient
ip subnet-zero
ip cef
!
!
no ip domain lookup
ip domain name cisco.com
!
vpdn enable
!--- Enable VDPN. ! vpdn-group 1
!--- Default PPTP VPDN group. accept-dialin
  protocol pptp
  virtual-template 1
!
!
!
!
!
!
!
!
!
!
voice call carrier capacity active
!
!
!
!
!
!
!
no voice hpi capture buffer
no voice hpi capture destination
!
!
mta receive maximum-recipients 0
!
!
controller T1 0/0
 framing sf
 linecode ami
!
controller T1 0/1
 framing sf
 linecode ami
!
!
!
interface Loopback0
```

```
 ip address 10.100.100.1 255.255.255.0
 ip nat inside
!
interface FastEthernet0/0
 ip address 172.16.142.191 255.255.255.0
 no ip route-cache
 no ip mroute-cache
 duplex auto
 speed auto
!
interface FastEthernet0/1
 ip address 10.130.13.13 255.255.0.0
 duplex auto
 speed auto
!
!--- Create virtual-template interface used for cloning
!--- virtual-access interfaces with the use of address
pool test !--- with CHAP authentication, PAP, and MS-
CHAP. interface Virtual-Template1
 ip unnumbered FastEthernet0/0
 peer default ip address pool test
 no keepalive
 ppp encrypt mppe auto
 ppp authentication pap chap ms-chap
!
!--- Create IP pool named test and specify IP range. ip
local pool test 192.168.1.1 192.168.1.250
no ip http server
no ip http secure-server
ip classless
ip route 0.0.0.0 0.0.0.0 172.16.142.1
!
ip pim bidir-enable
!
!
!
call rsvp-sync
!
!
mgcp profile default
!
dial-peer cor custom
!
!
!
!
!
line con 0
 exec-timeout 0 0
line aux 0
line vty 0 4
 password cisco
 login
!
!
end

2621#
```

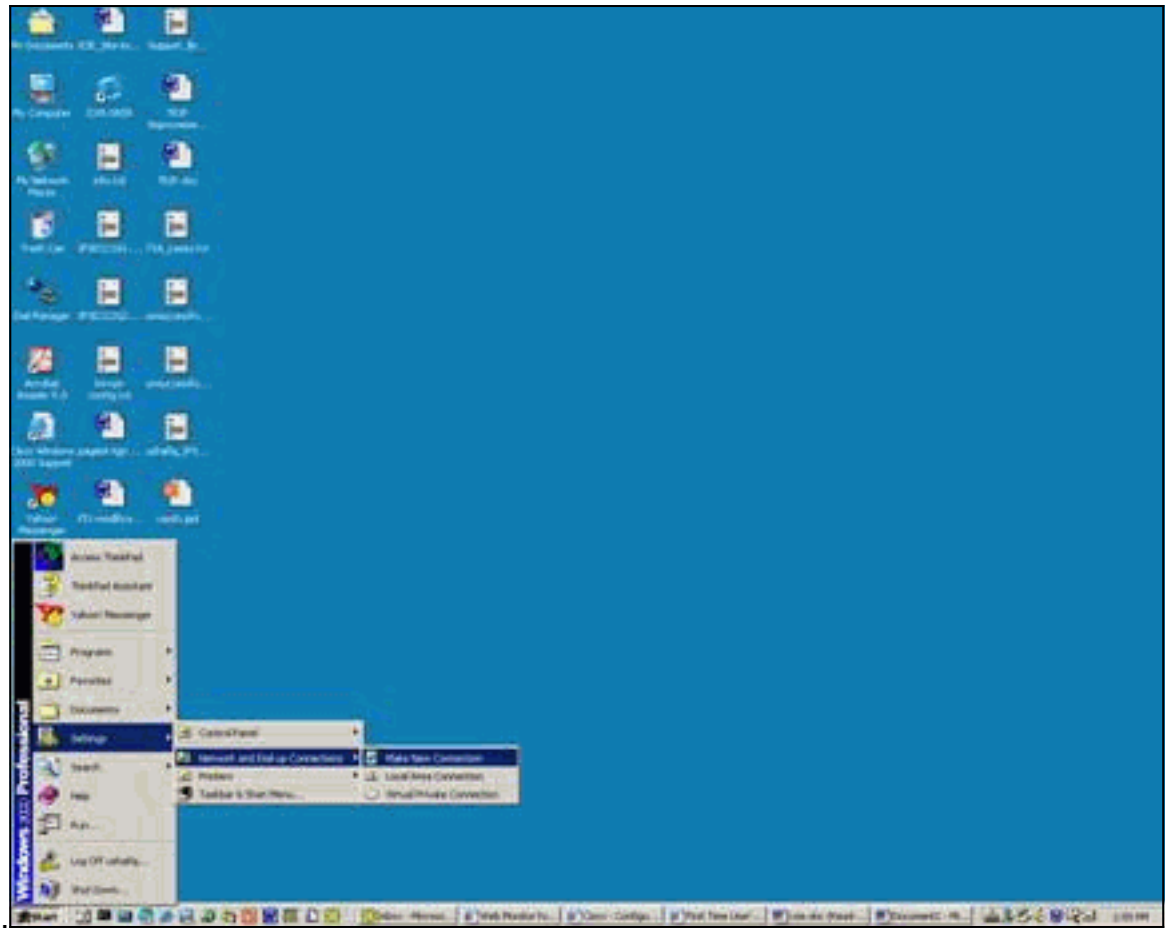
Configuration du routeur avec MPPE et MS-CHAP

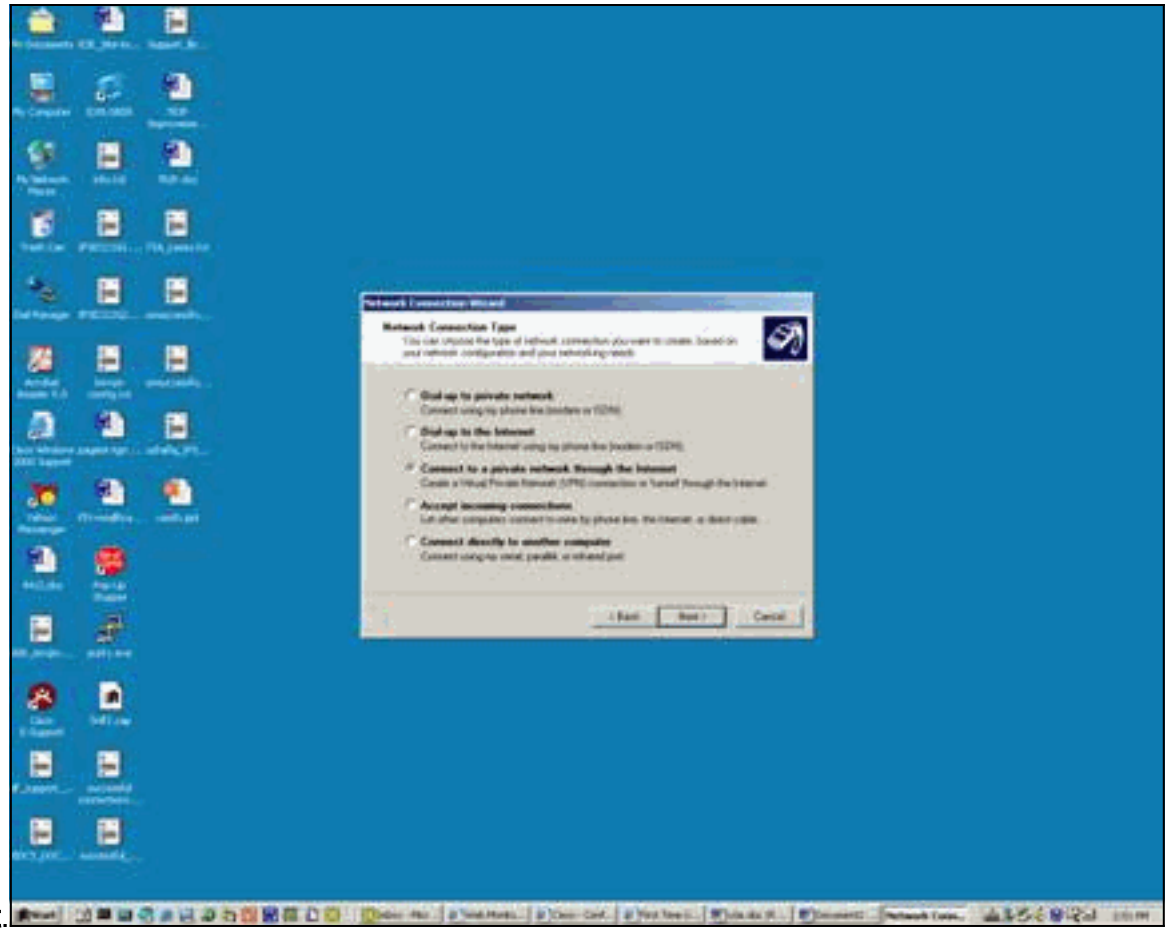
```
!--- Enter configuration commands, one per line. !--- End with CNTL/Z. 2621(config)#interface
Virtual-Template1
2621(config-if)#ppp authentication ms-chap
2621(config-if)#ppp encrypt mppe ?
  128   128 Bit Encryption only
  40    40 Bit Encryption only
  auto  Will offer 40 and 128 bit if available

2621(config-if)#ppp encrypt mppe auto
2621(config-if)#ppp encrypt mppe auto required
```

Paramètres et configuration du VPN Windows 2000 (PPTP)

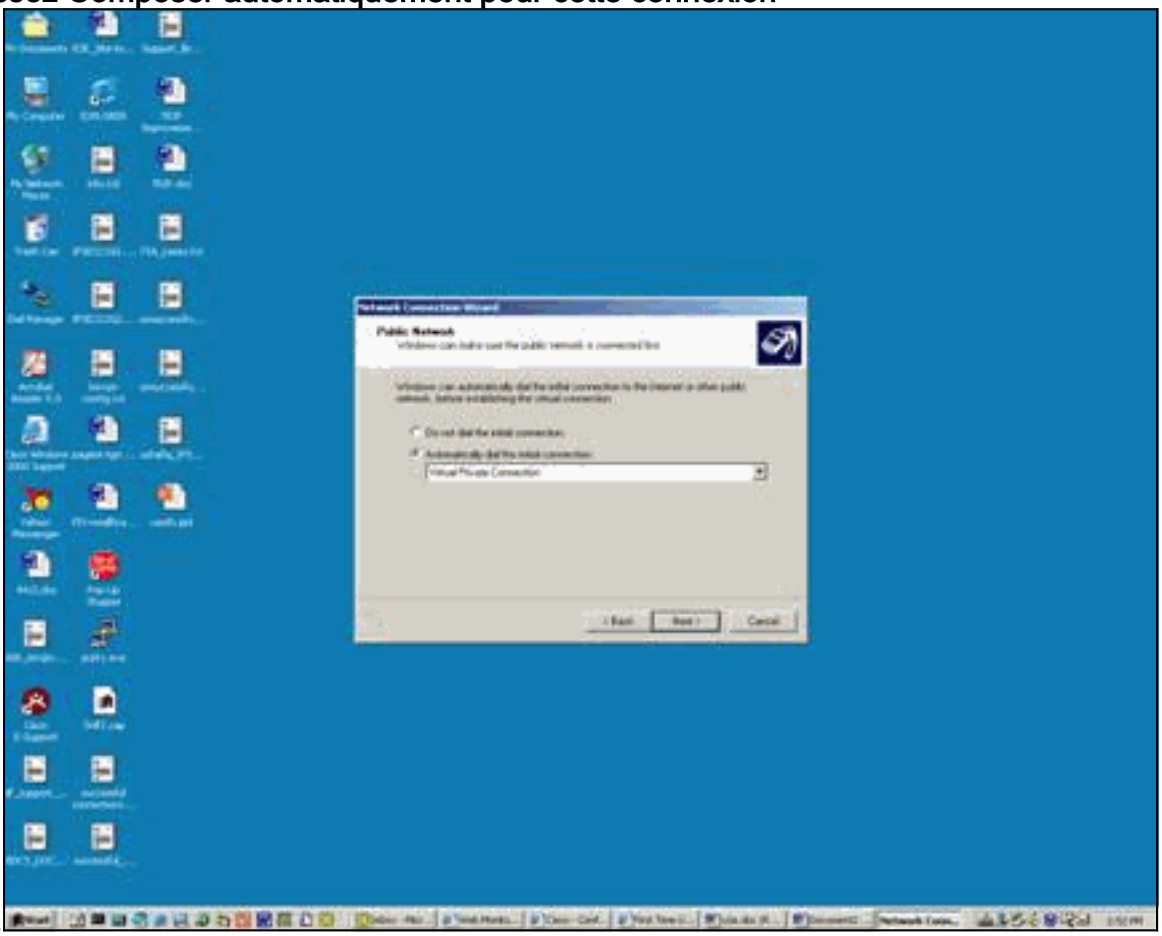
Procédez comme suit :

1. Choisissez **Démarrer > Paramètres > Connexions réseau et accès à distance > Établir une nouvelle**  **connexion.**
2. Lorsque la fenêtre Assistant Connexion réseau s'affiche, choisissez **Type de connexion réseau et Connexion à un réseau privé via**



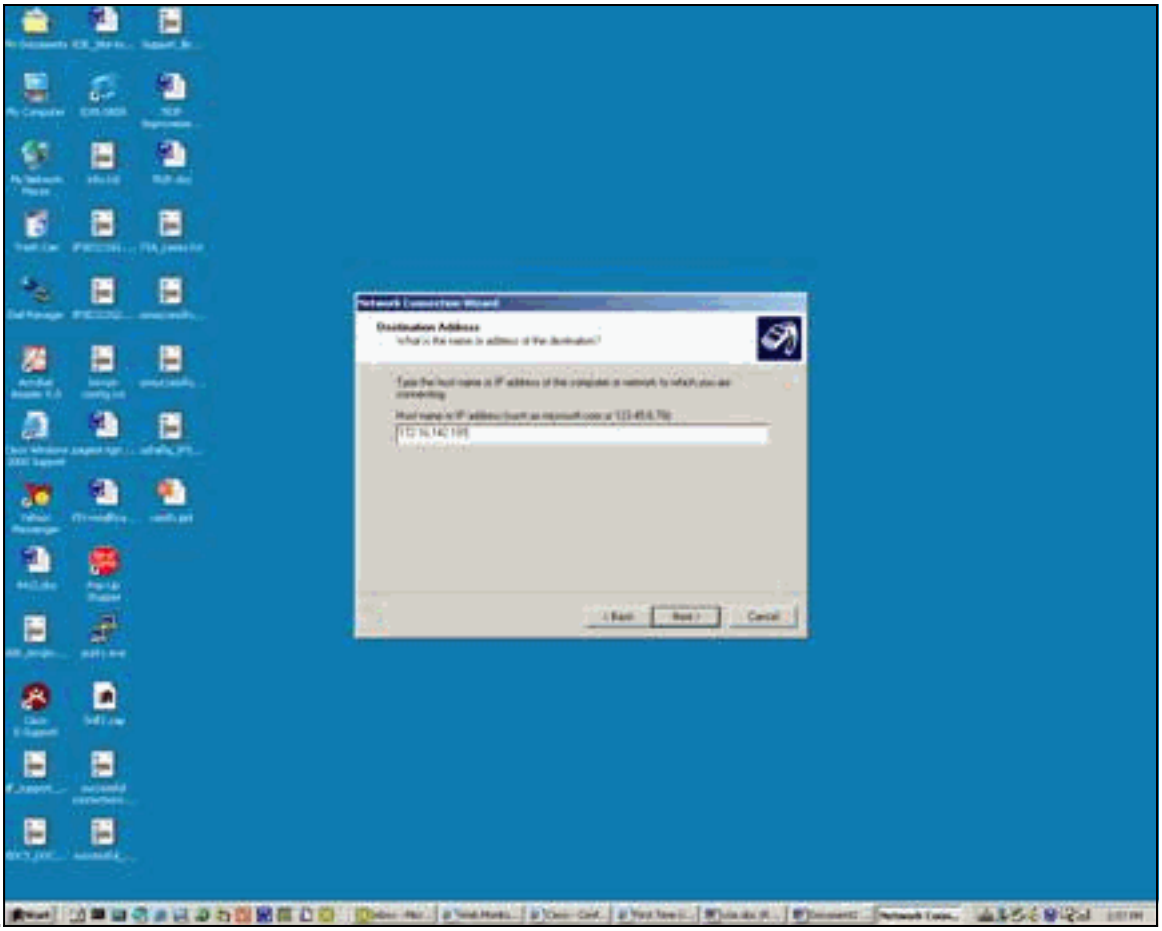
Internet.

3. Choisissez **Composer automatiquement pour cette connexion**



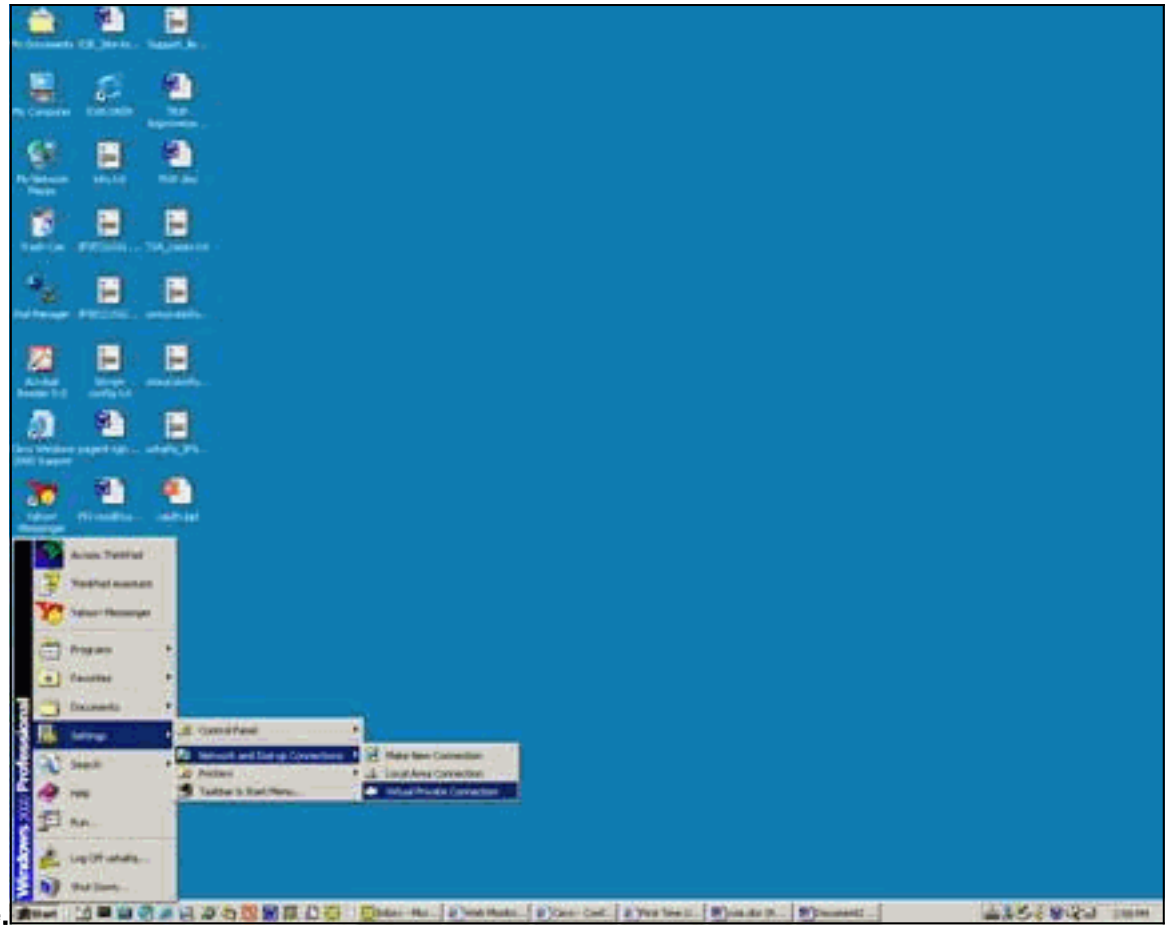
initiale.

4. Spécifiez une adresse de destination dans le champ Hôte ou Adresse IP, puis cliquez sur



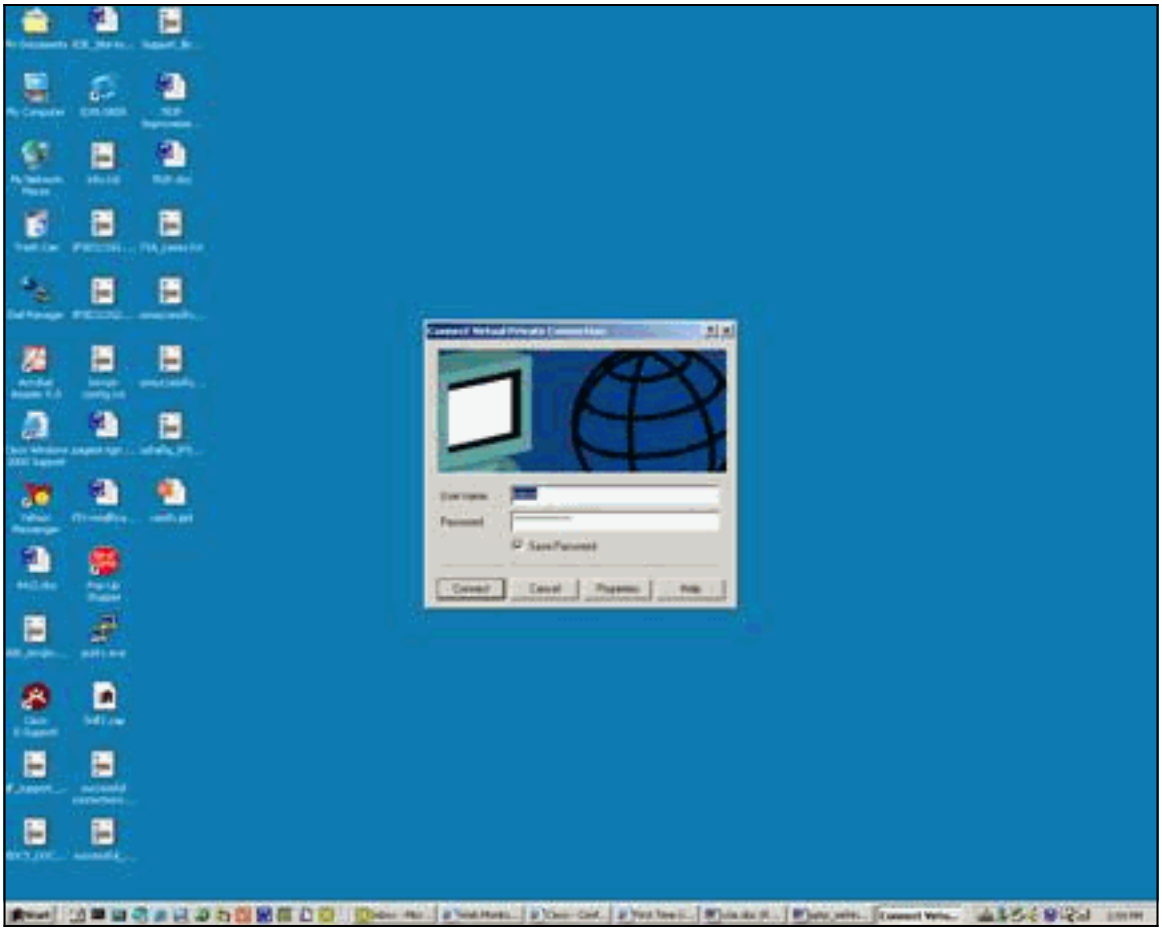
Suivant.

5. Choisissez **Démarrer > Paramètres > Connexions réseau et accès à distance , puis sélectionnez la connexion récemment**

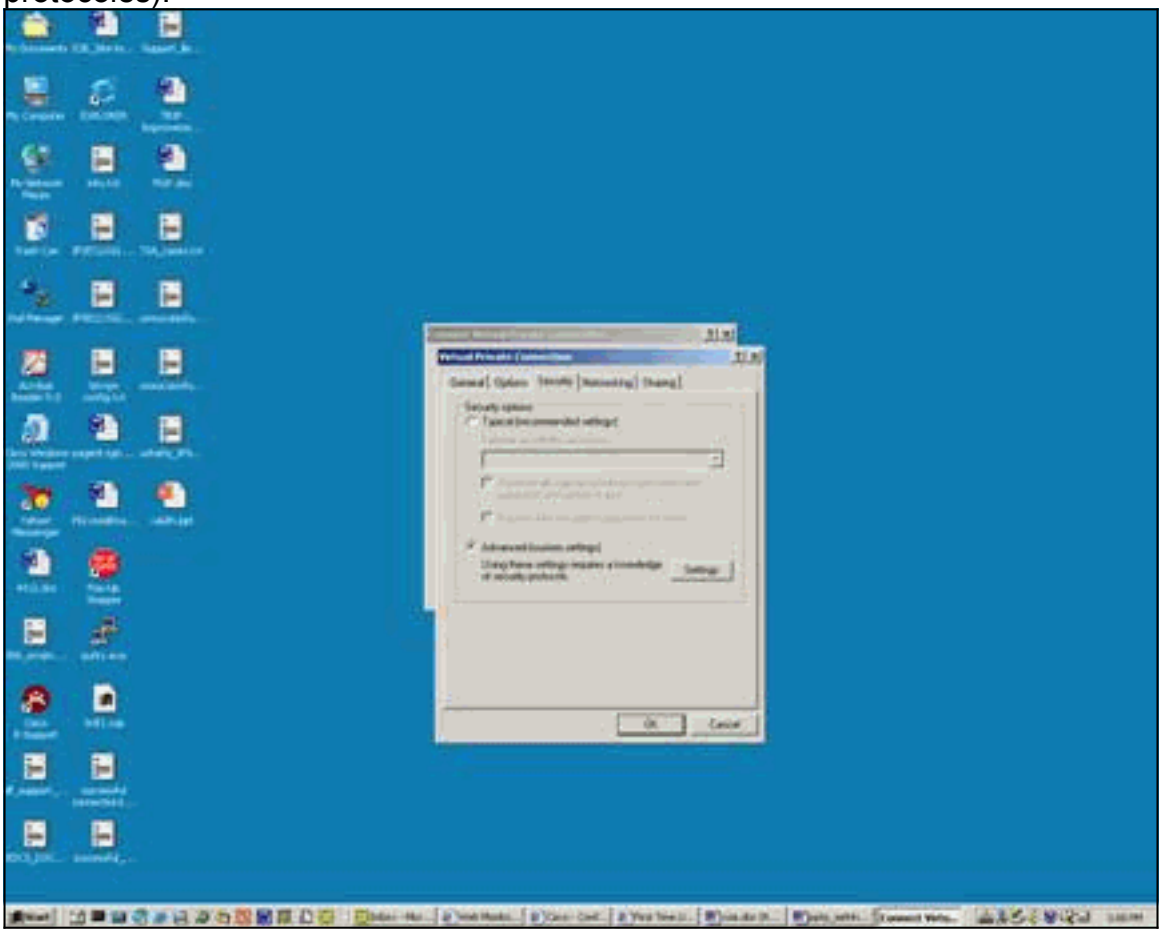


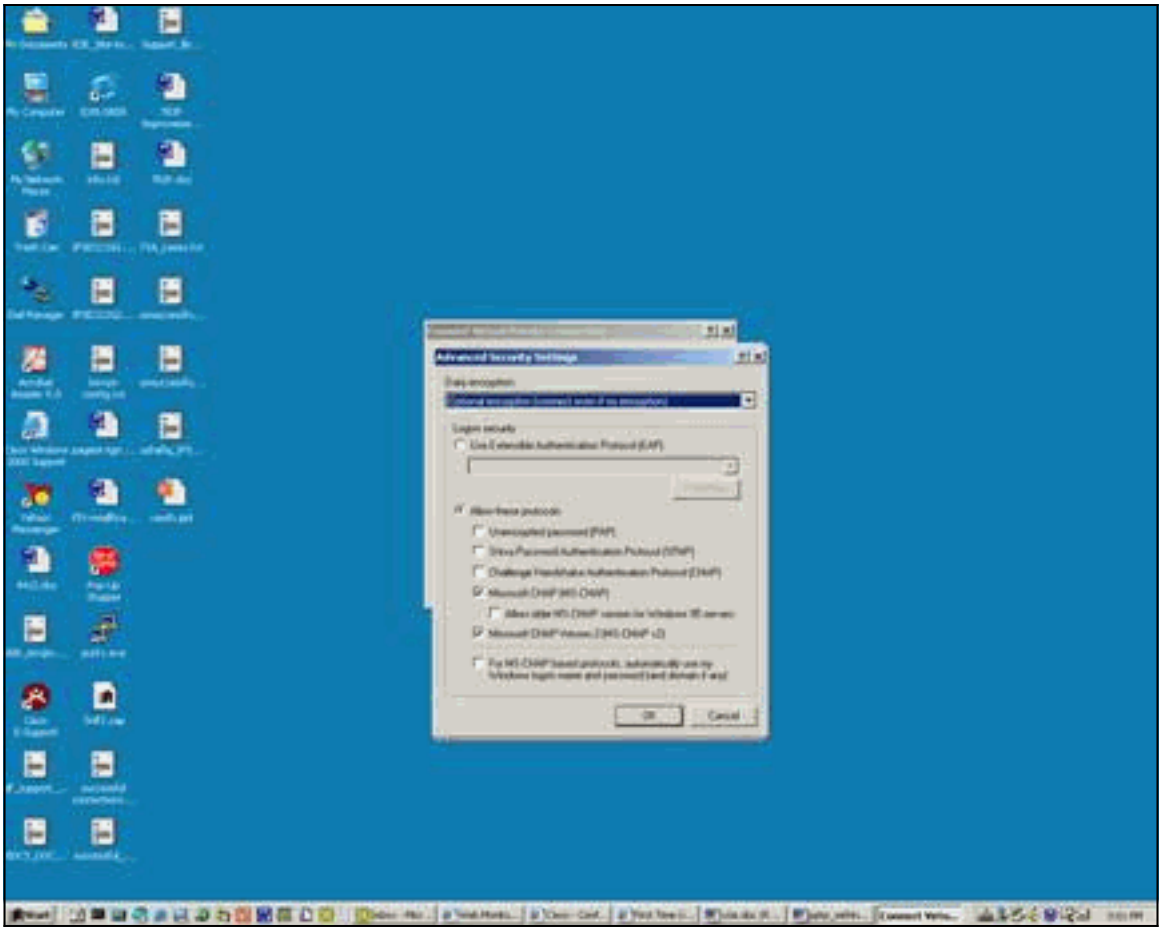
configurée.

6. Après l'apparition de cette fenêtre, choisissez **Propriétés > Sécurité pour définir l'option correctement.**

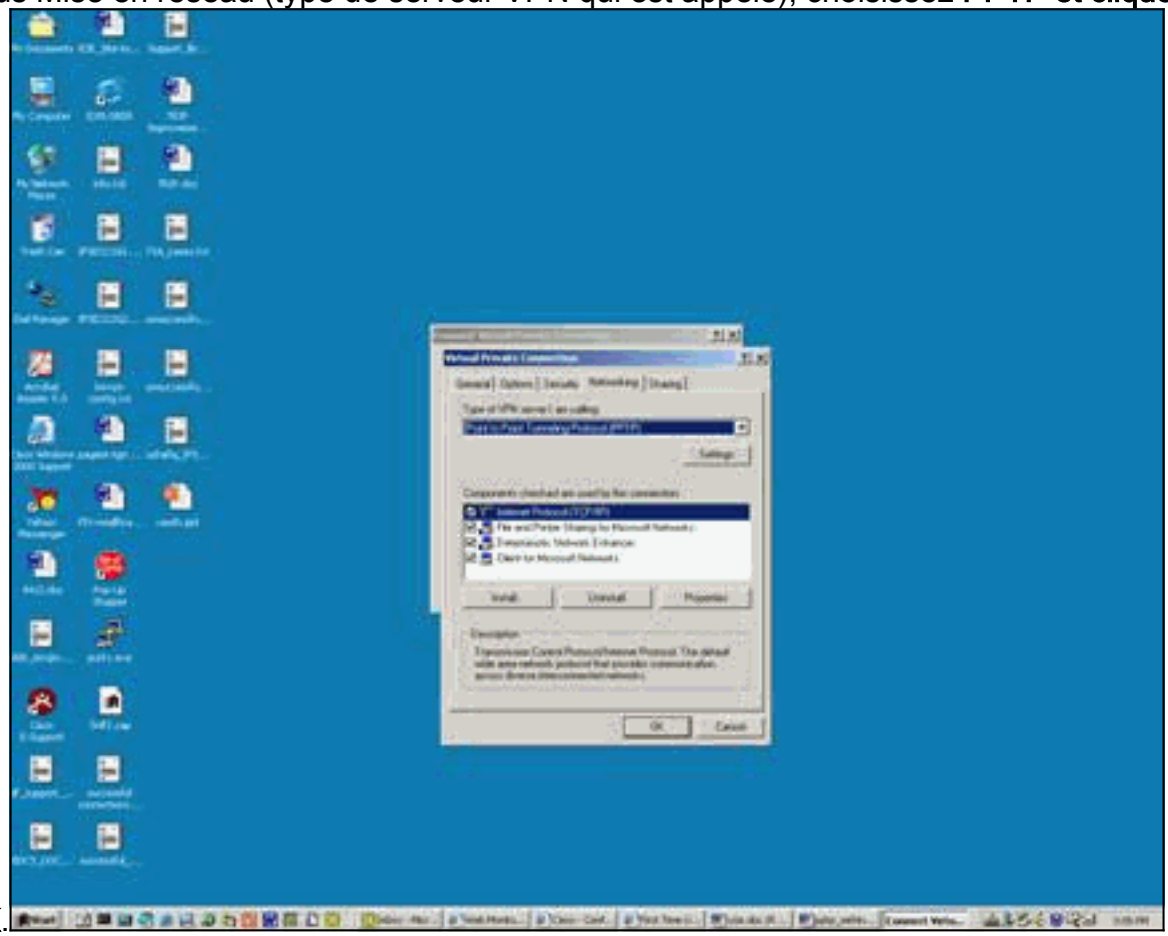


7. Choisissez **Avancés (paramètres personnalisés)**, choisissez les **Paramètres**, puis sélectionnez le niveau de cryptage approprié (Cryptage des données) et l'authentification (Autoriser ces
protocoles).



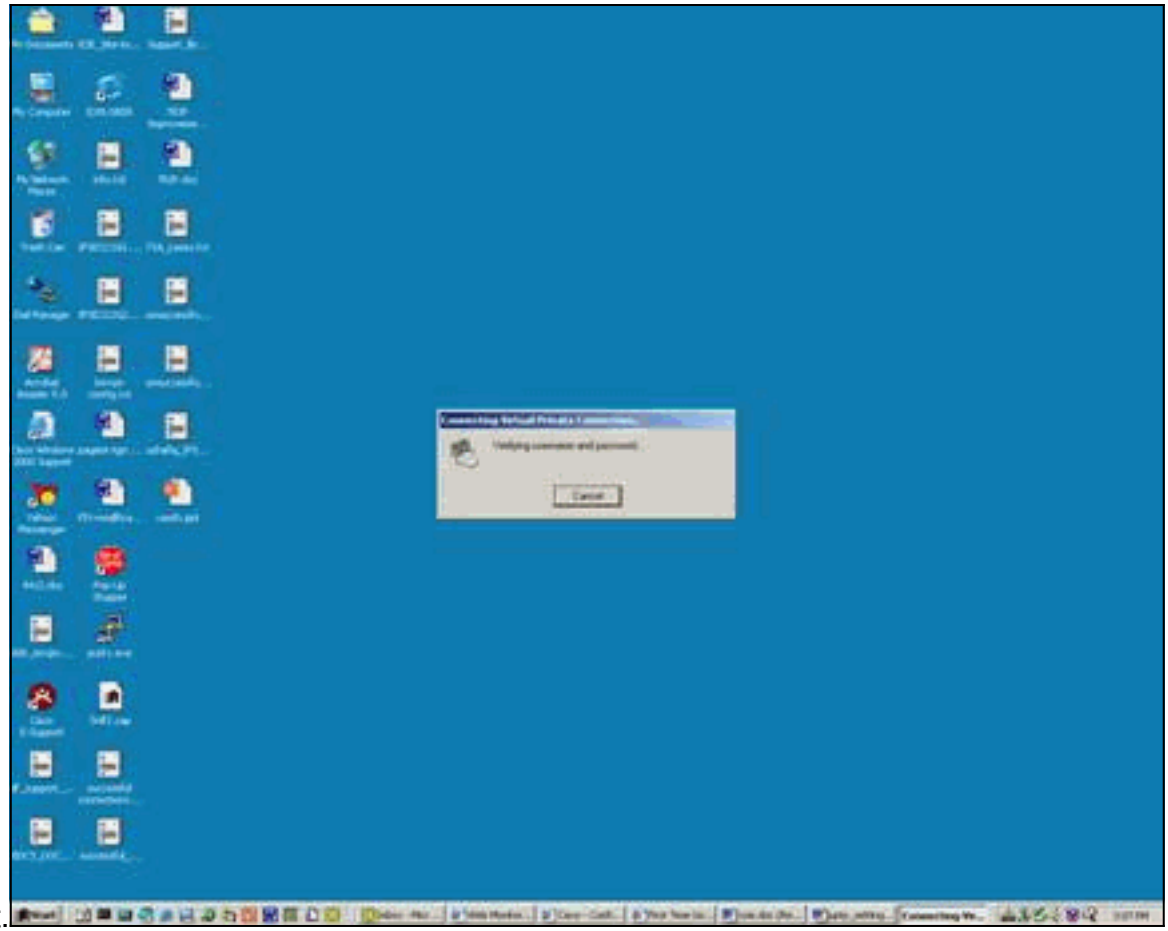


8. Sous Mise en réseau (type de serveur VPN qui est appelé), choisissez **PPTP et cliquez sur**



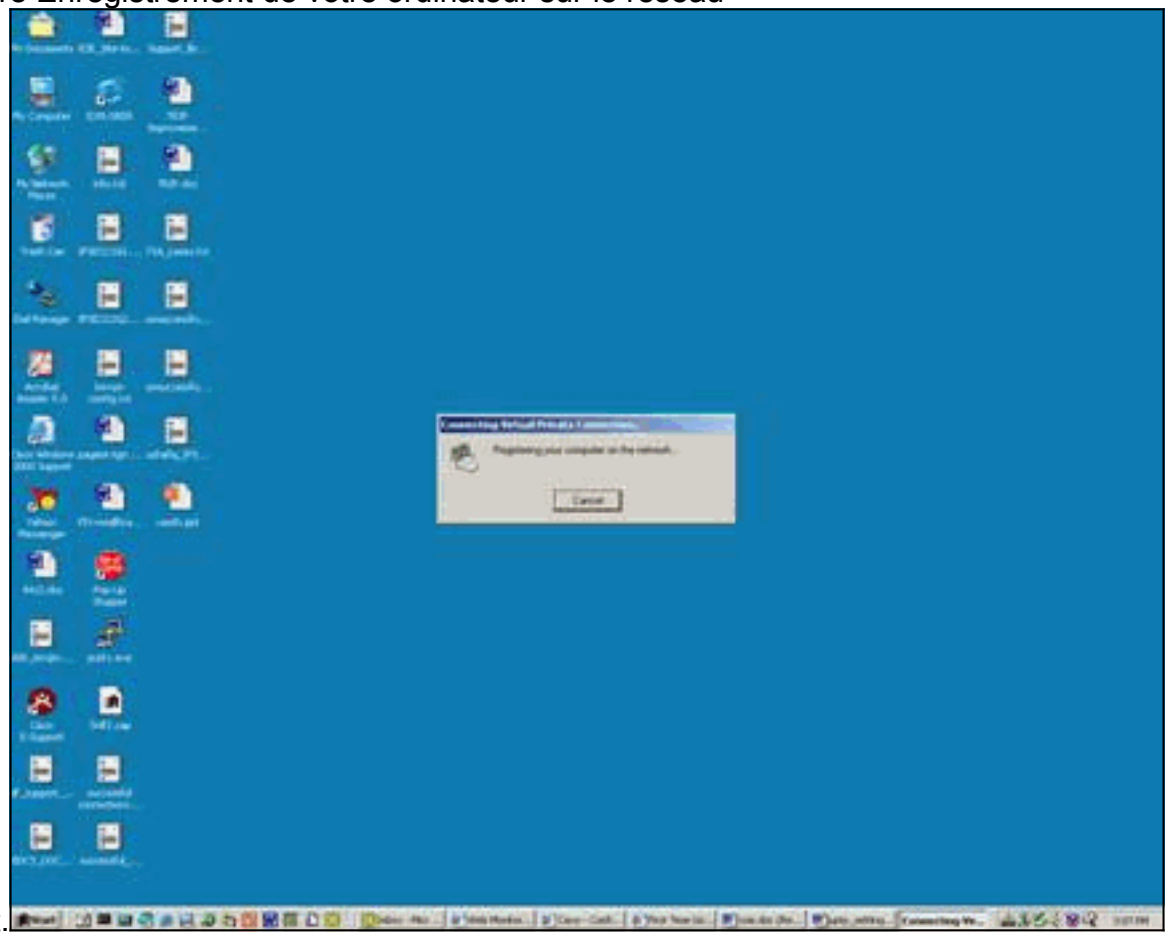
OK.

9. La fenêtre Vérification du nom de l'utilisateur et du mot de passe



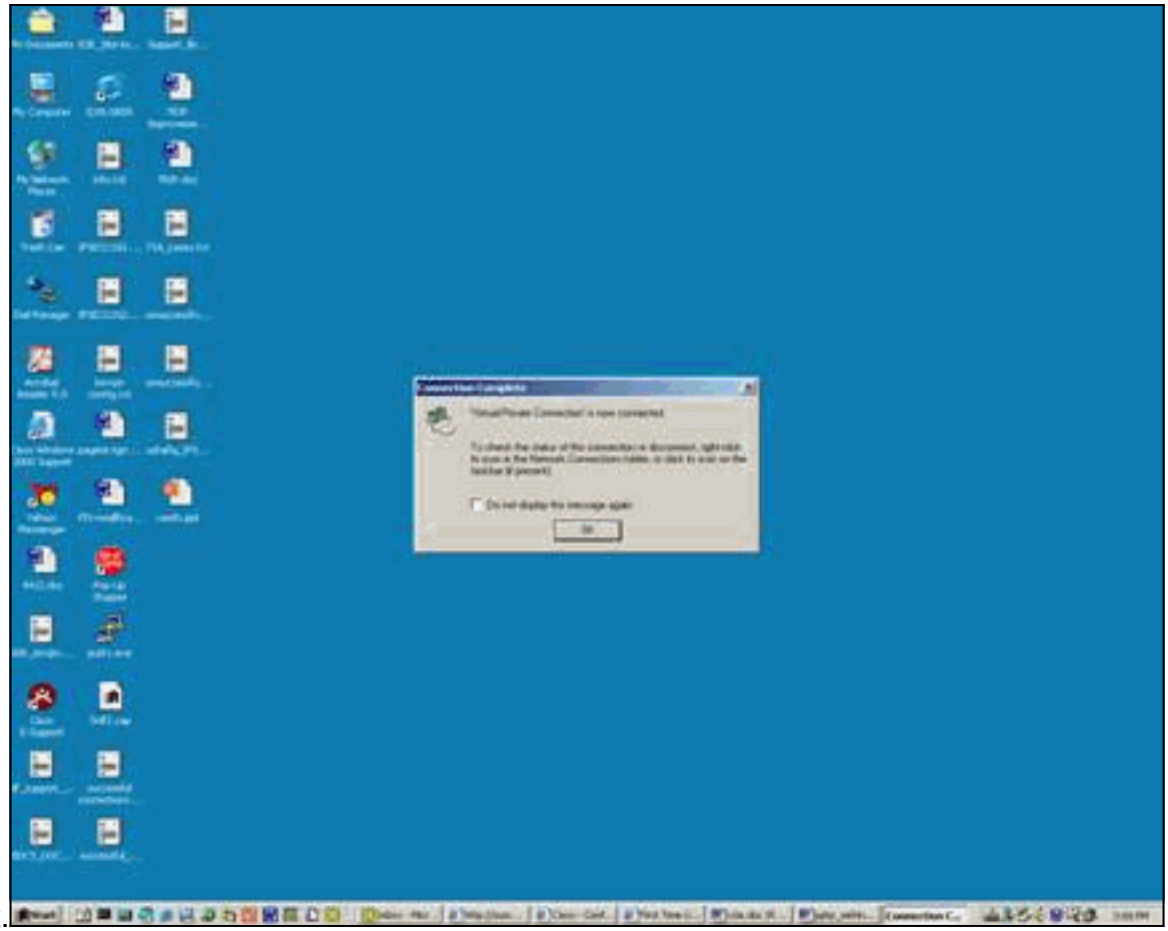
apparaît.

10. La fenêtre Enregistrement de votre ordinateur sur le réseau



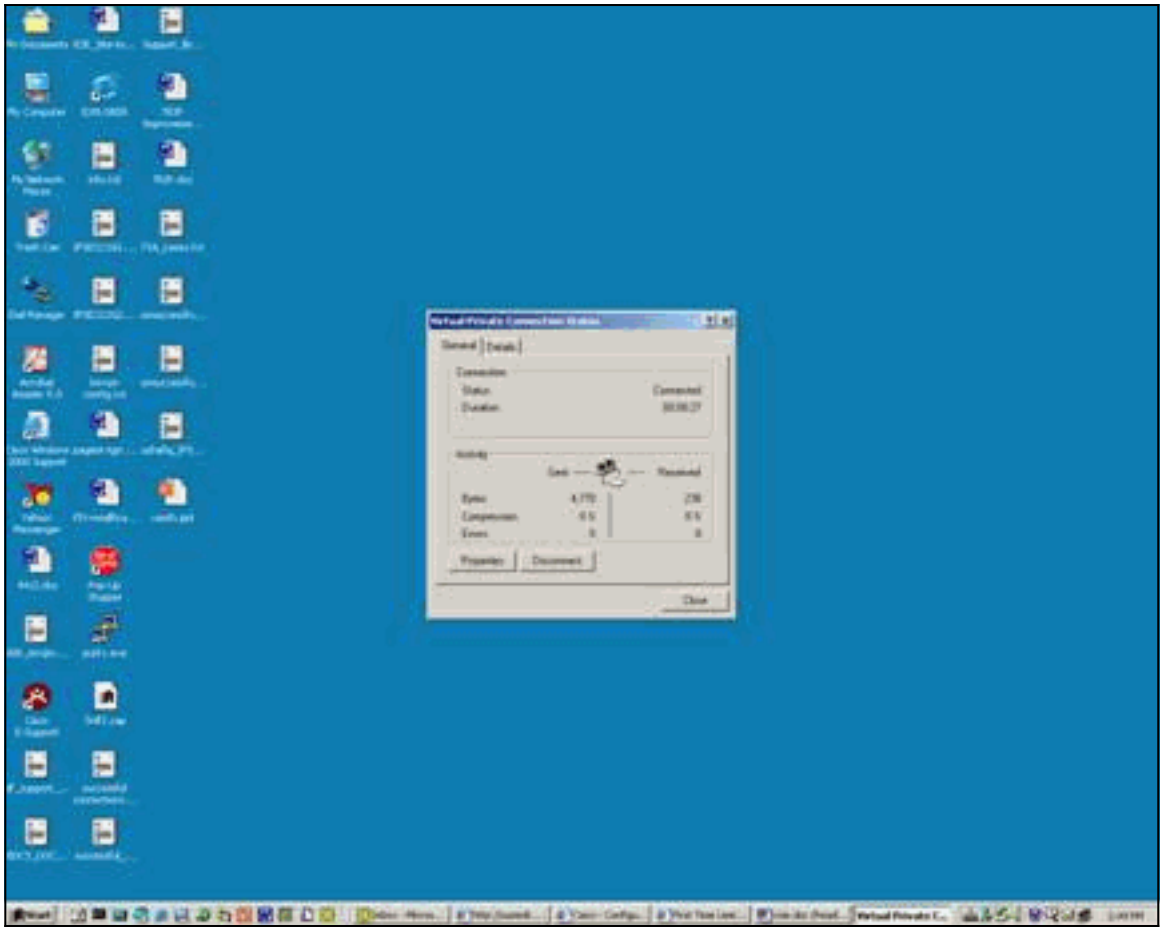
apparaît.

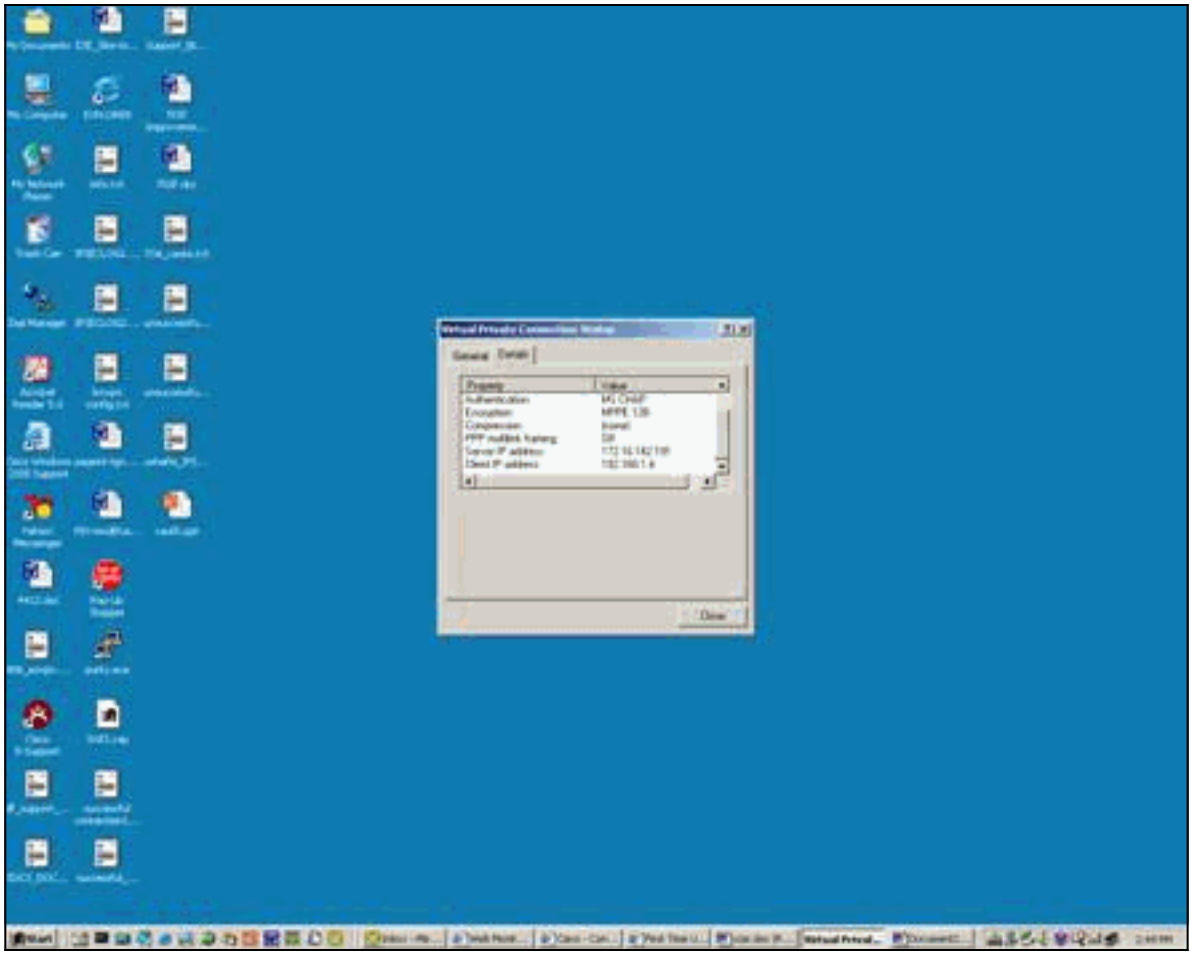
11. La fenêtre Propriétés de Connexions



apparaît.

12. Ces fenêtres affichent l'état de la connexion.





Vérification

Cette section fournit des informations qui vous permettront de vérifier que votre configuration fonctionne correctement.

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 .**

- **show debug — Affiche les commandes debug actuellement activées pour le dépannage.**
- **show user — Affiche les utilisateurs actuellement connectés et leur état.**
- **show ip route connected — Affiche l'état actuel de la table de routage.**
- **show vpdn** - Affiche des informations sur le tunnel de protocole L2TP (Layer 2 Tunnel Protocol) ou L2F (Layer 2 Forwarding) actif et les identificateurs de message dans un réseau commuté privé virtuel (VPDN)

Voici un exemple de sortie de la commande **show debug.**

```
2621#show debug
PPP:
  PPP authentication debugging is on
  PPP protocol negotiation debugging is on


VPN:
  VPDN events debugging is on
```

Voici la sortie du débogage avec le protocole PPTP initial configuré.

```
2621#
*Mar  5 02:16:25.675: ppp2 PPP: Using vpn set call direction
*Mar  5 02:16:25.675: ppp2 PPP: Treating connection as a callin
*Mar  5 02:16:25.675: ppp2 PPP: Phase is ESTABLISHING, Passive Open
*Mar  5 02:16:25.675: ppp2 LCP: State is Listen
*Mar  5 02:16:27.663: ppp2 LCP: TIMEout: State Listen
*Mar  5 02:16:27.663: ppp2 PPP: Authorization required
*Mar  5 02:16:27.663: ppp2 LCP: O CONFREQ [Listen] id 1 len 14
*Mar  5 02:16:27.663: ppp2 LCP:    AuthProto PAP (0x0304C023)
*Mar  5 02:16:27.663: ppp2 LCP:    MagicNumber 0x1658CF62 (0x05061658CF62)
*Mar  5 02:16:27.667: ppp2 LCP: I CONFACK [REQsent] id 1 len 14
*Mar  5 02:16:27.667: ppp2 LCP:    AuthProto PAP (0x0304C023)
*Mar  5 02:16:27.667: ppp2 LCP:    MagicNumber 0x1658CF62 (0x05061658CF62)
*Mar  5 02:16:27.695: ppp2 LCP: I CONFREQ [ACKrcvd] id 1 len 44
*Mar  5 02:16:27.695: ppp2 LCP:    MagicNumber 0x131A2427 (0x0506131A2427)
*Mar  5 02:16:27.695: ppp2 LCP:    PFC (0x0702)
*Mar  5 02:16:27.695: ppp2 LCP:    ACFC (0x0802)
*Mar  5 02:16:27.695: ppp2 LCP:    Callback 6  (0x0D0306)
*Mar  5 02:16:27.695: ppp2 LCP:    MRRU 1614 (0x1104064E)
*Mar  5 02:16:27.695: ppp2 LCP:    EndpointDisc 1 Local
*Mar  5 02:16:27.699: ppp2 LCP:     (0x131701E18F20C4D84A435B98EBA4BEA6)
*Mar  5 02:16:27.699: ppp2 LCP:     (0x897EAE00000002)
*Mar  5 02:16:27.699: ppp2 LCP: O CONFREJ [ACKrcvd] id 1 len 11
*Mar  5 02:16:27.699: ppp2 LCP:    Callback 6  (0x0D0306)
*Mar  5 02:16:27.699: ppp2 LCP:    MRRU 1614 (0x1104064E)
*Mar  5 02:16:27.703: ppp2 LCP: I CONFREQ [ACKrcvd] id 2 len 37
*Mar  5 02:16:27.703: ppp2 LCP:    MagicNumber 0x131A2427 (0x0506131A2427)
*Mar  5 02:16:27.703: ppp2 LCP:    PFC (0x0702)
*Mar  5 02:16:27.707: ppp2 LCP:    ACFC (0x0802)
*Mar  5 02:16:27.707: ppp2 LCP:    EndpointDisc 1 Local
*Mar  5 02:16:27.707: ppp2 LCP:     (0x131701E18F20C4D84A435B98EBA4BEA6)
*Mar  5 02:16:27.707: ppp2 LCP:     (0x897EAE00000002)
*Mar  5 02:16:27.707: ppp2 LCP: O CONFACK [ACKrcvd] id 2 len 37
*Mar  5 02:16:27.707: ppp2 LCP:    MagicNumber 0x131A2427 (0x0506131A2427)
*Mar  5 02:16:27.707: ppp2 LCP:    PFC (0x0702)
*Mar  5 02:16:27.707: ppp2 LCP:    ACFC (0x0802)
*Mar  5 02:16:27.711: ppp2 LCP:    EndpointDisc 1 Local
*Mar  5 02:16:27.711: ppp2 LCP:     (0x131701E18F20C4D84A435B98EBA4BEA6)
*Mar  5 02:16:27.711: ppp2 LCP:     (0x897EAE00000002)
*Mar  5 02:16:27.711: ppp2 LCP: State is Open
*Mar  5 02:16:27.711: ppp2 PPP: Phase is AUTHENTICATING, by this end
*Mar  5 02:16:27.715: ppp2 LCP: I IDENTIFY [Open] id 3 len 18 magic
                                0x131A2427 MSRASV5.00
*Mar  5 02:16:27.719: ppp2 LCP: I IDENTIFY [Open] id 4 len 28 magic
                                0x131A2427 MSRAS-1-USHAFIQ-W2K1
*Mar  5 02:16:27.719: ppp2 PAP: I AUTH-REQ id 1 len 19 from "cisco"
*Mar  5 02:16:27.719: ppp2 PAP: Authenticating peer cisco
*Mar  5 02:16:27.719: ppp2 PPP: Phase is FORWARDING, Attempting Forward
*Mar  5 02:16:27.719: ppp2 PPP: Phase is AUTHENTICATING, Unauthenticated User
*Mar  5 02:16:27.719: ppp2 PPP: Sent PAP LOGIN Request
*Mar  5 02:16:27.723: ppp2 PPP: Received LOGIN Response PASS
*Mar  5 02:16:27.723: ppp2 PPP: Phase is FORWARDING, Attempting Forward
*Mar  5 02:16:27.727: Vi4 PPP: Phase is DOWN, Setup
*Mar  5 02:16:27.727:   Tnl/Sn3/3 PPTP: Virtual interface created for
                       bandwidth 100000 Kbps
*Mar  5 02:16:27.731: Vi4  Tnl/Sn3/3 PPTP: VPDN session up
*Mar  5 02:16:27.735: %LINK-3-UPDOWN: Interface Virtual-Access4, changed state to up
*Mar  5 02:16:27.735: Vi4 PPP: Phase is AUTHENTICATING, Authenticated User
*Mar  5 02:16:27.735: Vi4 PAP: O AUTH-ACK id 1 len 5
*Mar  5 02:16:27.739: Vi4 PPP: Phase is UP
*Mar  5 02:16:27.739: Vi4 IPCP: O CONFREQ [Closed] id 1 len 10
*Mar  5 02:16:27.739: Vi4 IPCP:    Address 172.16.142.191 (0x0306AC108EBF)
```

```
*Mar  5 02:16:27.739: Vi4 CCP: O CONFREQ [Closed] id 1 len 4
*Mar  5 02:16:27.739: Vi4 PPP: Process pending packets
*Mar  5 02:16:27.747: Vi4 CCP: I CONFREQ [REQsent] id 5 len 10
*Mar  5 02:16:27.747: Vi4 CCP:    MS-PPC supported bits 0x01000001 (0x120601000001)
*Mar  5 02:16:27.747: Vi4 CCP: O CONFNAK [REQsent] id 5 len 10
*Mar  5 02:16:27.751: Vi4 CCP:    MS-PPC supported bits 0x01000060 (0x120601000060)
*Mar  5 02:16:27.751: Vi4 CCP: I CONFACK [REQsent] id 1 len 4
*Mar  5 02:16:27.751: Vi4 IPCP: I CONFREQ [REQsent] id 6 len 34
*Mar  5 02:16:27.751: Vi4 IPCP:    Address 0.0.0.0 (0x030600000000)
*Mar  5 02:16:27.751: Vi4 IPCP:    PrimaryDNS 0.0.0.0 (0x810600000000)
*Mar  5 02:16:27.751: Vi4 IPCP:    PrimaryWINS 0.0.0.0 (0x820600000000)
*Mar  5 02:16:27.755: Vi4 IPCP:    SecondaryDNS 0.0.0.0 (0x830600000000)
*Mar  5 02:16:27.755: Vi4 IPCP:    SecondaryWINS 0.0.0.0 (0x840600000000)
*Mar  5 02:16:27.755: Vi4 AAA/AUTHOR/IPCP: Start.  Her address 0.0.0.0, we want 0.0.0.0
*Mar  5 02:16:27.755: Vi4 AAA/AUTHOR/IPCP: Done.  Her address 0.0.0.0, we want 0.0.0.0
*Mar  5 02:16:27.755: Vi4 IPCP: Pool returned 192.168.1.4
*Mar  5 02:16:27.755: Vi4 IPCP: O CONFREJ [REQsent] id 6 len 28
*Mar  5 02:16:27.759: Vi4 IPCP:    PrimaryDNS 0.0.0.0 (0x810600000000)
*Mar  5 02:16:27.759: Vi4 IPCP:    PrimaryWINS 0.0.0.0 (0x820600000000)
*Mar  5 02:16:27.759: Vi4 IPCP:    SecondaryDNS 0.0.0.0 (0x830600000000)
*Mar  5 02:16:27.759: Vi4 IPCP:    SecondaryWINS 0.0.0.0 (0x840600000000)
*Mar  5 02:16:27.759: Vi4 IPCP: I CONFACK [REQsent] id 1 len 10
*Mar  5 02:16:27.759: Vi4 IPCP:    Address 172.16.142.191 (0x0306AC108EBF)
*Mar  5 02:16:27.763: Vi4 CCP: I CONFREQ [ACKrcvd] id 7 len 4
*Mar  5 02:16:27.767: Vi4 CCP: O CONFACK [ACKrcvd] id 7 len 4
*Mar  5 02:16:27.767: Vi4 CCP: State is Open
*Mar  5 02:16:27.767: Vi4 CCP: Compression not negotiated
*Mar  5 02:16:27.767: Vi4 CCP: Decompression not negotiated
*Mar  5 02:16:27.767: Vi4 CCP: Negotiation mismatch, closing CCP
*Mar  5 02:16:27.767: Vi4 CCP: O TERMREQ [Open] id 2 len 4
*Mar  5 02:16:27.767: Vi4 IPCP: I CONFREQ [ACKrcvd] id 8 len 10
*Mar  5 02:16:27.767: Vi4 IPCP:    Address 0.0.0.0 (0x030600000000)
*Mar  5 02:16:27.771: Vi4 IPCP: O CONFNAK [ACKrcvd] id 8 len 10
*Mar  5 02:16:27.771: Vi4 IPCP:    Address 192.168.1.4 (0x0306C0A80104)
*Mar  5 02:16:27.775: Vi4 CCP: I TERMACK [TERMsent] id 2 len 4
*Mar  5 02:16:27.775: Vi4 CCP: State is Closed
*Mar  5 02:16:27.775: Vi4 IPCP: I CONFREQ [ACKrcvd] id 9 len 10
*Mar  5 02:16:27.775: Vi4 IPCP:    Address 192.168.1.4 (0x0306C0A80104)
*Mar  5 02:16:27.775: Vi4 IPCP: O CONFACK [ACKrcvd] id 9 len 10
*Mar  5 02:16:27.779: Vi4 IPCP:    Address 192.168.1.4 (0x0306C0A80104)
*Mar  5 02:16:27.779: Vi4 IPCP: State is Open
*Mar  5 02:16:27.783: Vi4 IPCP: Install route to 192.168.1.4
*Mar  5 02:16:27.783: Vi4 IPCP: Add link info for cef entry 192.168.1.4
*Mar  5 02:16:28.735: %LINEPROTO-5-UPDOWN: Line protocol on Interface
                      Virtual-Access4, changed state to up
*Mar  5 02:16:37.743: Vi4 CCP: O CONFREQ [Closed] id 3 len 4
2621#
2621#
```

Voici la sortie du débogage avec la configuration MPPE et MS-CHAP requise.

```
2621#
*Mar  5 02:25:01.815: ppp4 PPP: Using vpn set call direction
*Mar  5 02:25:01.815: ppp4 PPP: Treating connection as a callin
*Mar  5 02:25:01.815: ppp4 PPP: Phase is ESTABLISHING, Passive Open
*Mar  5 02:25:01.815: ppp4 LCP: State is Listen
*Mar  5 02:25:03.823: ppp4 LCP: TIMEout: State Listen
*Mar  5 02:25:03.823: ppp4 PPP: Authorization required
*Mar  5 02:25:03.823: ppp4 LCP: O CONFREQ [Listen] id 1 len 15
*Mar  5 02:25:03.823: ppp4 LCP:    AuthProto MS-CHAP (0x0305C22380)
*Mar  5 02:25:03.823: ppp4 LCP:    MagicNumber 0x1660AFA4 (0x05061660AFA4)
*Mar  5 02:25:03.843: ppp4 LCP: I CONFACK [REQsent] id 1 len 15
*Mar  5 02:25:03.843: ppp4 LCP:    AuthProto MS-CHAP (0x0305C22380)
```

```
*Mar  5 02:25:03.843: ppp4 LCP:    MagicNumber 0x1660AFA4 (0x05061660AFA4)
*Mar  5 02:25:03.843: ppp4 LCP: I CONFREQ [ACKrcvd] id 1 len 44
*Mar  5 02:25:03.843: ppp4 LCP:    MagicNumber 0x4B5A2A81 (0x05064B5A2A81)
*Mar  5 02:25:03.843: ppp4 LCP:    PFC (0x0702)
*Mar  5 02:25:03.847: ppp4 LCP:    ACFC (0x0802)
*Mar  5 02:25:03.847: ppp4 LCP:    Callback 6  (0x0D0306)
*Mar  5 02:25:03.847: ppp4 LCP:    MRRU 1614 (0x1104064E)
*Mar  5 02:25:03.847: ppp4 LCP:    EndpointDisc 1 Local
*Mar  5 02:25:03.847: ppp4 LCP:     (0x131701E18F20C4D84A435B98EBA4BEA6)
*Mar  5 02:25:03.847: ppp4 LCP:     (0x897EAE00000004)
*Mar  5 02:25:03.847: ppp4 LCP: O CONFREJ [ACKrcvd] id 1 len 11
*Mar  5 02:25:03.847: ppp4 LCP:    Callback 6  (0x0D0306)
*Mar  5 02:25:03.851: ppp4 LCP:    MRRU 1614 (0x1104064E)
*Mar  5 02:25:03.851: ppp4 LCP: I CONFREQ [ACKrcvd] id 2 len 37
*Mar  5 02:25:03.855: ppp4 LCP:    MagicNumber 0x4B5A2A81 (0x05064B5A2A81)
*Mar  5 02:25:03.855: ppp4 LCP:    PFC (0x0702)
*Mar  5 02:25:03.855: ppp4 LCP:    ACFC (0x0802)
*Mar  5 02:25:03.855: ppp4 LCP:    EndpointDisc 1 Local
*Mar  5 02:25:03.855: ppp4 LCP:     (0x131701E18F20C4D84A435B98EBA4BEA6)
*Mar  5 02:25:03.855: ppp4 LCP:     (0x897EAE00000004)
*Mar  5 02:25:03.855: ppp4 LCP: O CONFACK [ACKrcvd] id 2 len 37
*Mar  5 02:25:03.859: ppp4 LCP:    MagicNumber 0x4B5A2A81 (0x05064B5A2A81)
*Mar  5 02:25:03.859: ppp4 LCP:    PFC (0x0702)
*Mar  5 02:25:03.859: ppp4 LCP:    ACFC (0x0802)
*Mar  5 02:25:03.859: ppp4 LCP:    EndpointDisc 1 Local
*Mar  5 02:25:03.859: ppp4 LCP:     (0x131701E18F20C4D84A435B98EBA4BEA6)
*Mar  5 02:25:03.859: ppp4 LCP:     (0x897EAE00000004)
*Mar  5 02:25:03.859: ppp4 LCP: State is Open
*Mar  5 02:25:03.859: ppp4 PPP: Phase is AUTHENTICATING, by this end
*Mar  5 02:25:03.863: ppp4 MS-CHAP: O CHALLENGE id 1 len 21 from "2621    "
*Mar  5 02:25:03.867: ppp4 LCP: I IDENTIFY [Open] id 3 len 18 magic 0x4B5A2A81
                      MSRASV5.00
*Mar  5 02:25:03.867: ppp4 LCP: I IDENTIFY [Open] id 4 len 28 magic 0x4B5A2A81
                      MSRAS-1-USHAFIQ-W2K1
*Mar  5 02:25:03.867: ppp4 MS-CHAP: I RESPONSE id 1 len 59 from "cisco"
*Mar  5 02:25:03.867: ppp4 PPP: Phase is FORWARDING, Attempting Forward
*Mar  5 02:25:03.871: ppp4 PPP: Phase is AUTHENTICATING, Unauthenticated User
*Mar  5 02:25:03.871: ppp4 PPP: Sent MSCHAP LOGIN Request
*Mar  5 02:25:03.963: ppp4 PPP: Received LOGIN Response PASS
*Mar  5 02:25:03.963: ppp4 PPP: Phase is FORWARDING, Attempting Forward
*Mar  5 02:25:03.975: Vi4 PPP: Phase is DOWN, Setup
*Mar  5 02:25:03.975:   Tnl/Sn5/5 PPTP: Virtual interface created for
                        bandwidth 100000 Kbps
*Mar  5 02:25:03.979: Vi4  Tnl/Sn5/5 PPTP: VPDN session up
*Mar  5 02:25:03.983: %LINK-3-UPDOWN: Interface Virtual-Access4, changed state to up
*Mar  5 02:25:03.983: Vi4 PPP: Phase is AUTHENTICATING, Authenticated User
*Mar  5 02:25:03.983: Vi4 MS-CHAP: O SUCCESS id 1 len 4
*Mar  5 02:25:03.987: Vi4 PPP: Phase is UP
*Mar  5 02:25:03.987: Vi4 IPCP: O CONFREQ [Closed] id 1 len 10
*Mar  5 02:25:03.987: Vi4 IPCP:    Address 172.16.142.191 (0x0306AC108EBF)
*Mar  5 02:25:03.987: Vi4 CCP: O CONFREQ [Closed] id 1 len 10
*Mar  5 02:25:03.987: Vi4 CCP:    MS-PPC supported bits 0x01000060 (0x120601000060)
*Mar  5 02:25:03.987: Vi4 PPP: Process pending packets
*Mar  5 02:25:03.995: Vi4 CCP: I CONFREQ [REQsent] id 5 len 10
*Mar  5 02:25:03.995: Vi4 CCP:    MS-PPC supported bits 0x01000001 (0x120601000001)
*Mar  5 02:25:03.999: Vi4 CCP: O CONFNAK [REQsent] id 5 len 10
*Mar  5 02:25:03.999: Vi4 CCP:    MS-PPC supported bits 0x01000060 (0x120601000060)
*Mar  5 02:25:03.999: Vi4 CCP: I CONFNAK [REQsent] id 1 len 10
*Mar  5 02:25:03.999: Vi4 CCP:    MS-PPC supported bits 0x01000040 (0x120601000040)
*Mar  5 02:25:03.999: Vi4 CCP: O CONFREQ [REQsent] id 2 len 10
*Mar  5 02:25:03.999: Vi4 CCP:    MS-PPC supported bits 0x01000040 (0x120601000040)
*Mar  5 02:25:04.003: Vi4 IPCP: I CONFREQ [REQsent] id 6 len 34
*Mar  5 02:25:04.003: Vi4 IPCP:    Address 0.0.0.0 (0x030600000000)
*Mar  5 02:25:04.003: Vi4 IPCP:    PrimaryDNS 0.0.0.0 (0x810600000000)
```

```
*Mar  5 02:25:04.003: Vi4 IPCP:    PrimaryWINS 0.0.0.0 (0x820600000000)
*Mar  5 02:25:04.003: Vi4 IPCP:    SecondaryDNS 0.0.0.0 (0x830600000000)
*Mar  5 02:25:04.003: Vi4 IPCP:    SecondaryWINS 0.0.0.0 (0x840600000000)
*Mar  5 02:25:04.003: Vi4 AAA/AUTHOR/IPCP: Start.  Her address 0.0.0.0, we want 0.0.0.0
*Mar  5 02:25:04.007: Vi4 AAA/AUTHOR/IPCP: Done.  Her address 0.0.0.0, we want 0.0.0.0
*Mar  5 02:25:04.007: Vi4 IPCP: Pool returned 192.168.1.4
*Mar  5 02:25:04.007: Vi4 IPCP: O CONFREJ [REQsent] id 6 len 28
*Mar  5 02:25:04.007: Vi4 IPCP:    PrimaryDNS 0.0.0.0 (0x810600000000)
*Mar  5 02:25:04.007: Vi4 IPCP:    PrimaryWINS 0.0.0.0 (0x820600000000)
*Mar  5 02:25:04.007: Vi4 IPCP:    SecondaryDNS 0.0.0.0 (0x830600000000)
*Mar  5 02:25:04.011: Vi4 IPCP:    SecondaryWINS 0.0.0.0 (0x840600000000)
*Mar  5 02:25:04.011: Vi4 IPCP: I CONFACK [REQsent] id 1 len 10
*Mar  5 02:25:04.011: Vi4 IPCP:    Address 172.16.142.191 (0x0306AC108EBF)
*Mar  5 02:25:04.015: Vi4 CCP: I CONFREQ [REQsent] id 7 len 10
*Mar  5 02:25:04.015: Vi4 CCP:    MS-PPC supported bits 0x01000040 (0x120601000040)
*Mar  5 02:25:04.015: Vi4 CCP: O CONFACK [REQsent] id 7 len 10
*Mar  5 02:25:04.015: Vi4 CCP:    MS-PPC supported bits 0x01000040 (0x120601000040)
*Mar  5 02:25:04.019: Vi4 CCP: I CONFACK [ACKsent] id 2 len 10
*Mar  5 02:25:04.019: Vi4 CCP:    MS-PPC supported bits 0x01000040 (0x120601000040)
*Mar  5 02:25:04.019: Vi4 CCP: State is Open
*Mar  5 02:25:04.023: Vi4 IPCP: I CONFREQ [ACKrcvd] id 8 len 10
*Mar  5 02:25:04.027: Vi4 IPCP:    Address 0.0.0.0 (0x030600000000)
*Mar  5 02:25:04.027: Vi4 IPCP: O CONFNAK [ACKrcvd] id 8 len 10
*Mar  5 02:25:04.027: Vi4 IPCP:    Address 192.168.1.4 (0x0306C0A80104)
*Mar  5 02:25:04.031: Vi4 IPCP: I CONFREQ [ACKrcvd] id 9 len 10
*Mar  5 02:25:04.031: Vi4 IPCP:    Address 192.168.1.4 (0x0306C0A80104)
*Mar  5 02:25:04.031: Vi4 IPCP: O CONFACK [ACKrcvd] id 9 len 10
*Mar  5 02:25:04.031: Vi4 IPCP:    Address 192.168.1.4 (0x0306C0A80104)
*Mar  5 02:25:04.031: Vi4 IPCP: State is Open
*Mar  5 02:25:04.035: Vi4 IPCP: Install route to 192.168.1.4
*Mar  5 02:25:04.035: Vi4 IPCP: Add link info for cef entry 192.168.1.4
*Mar  5 02:25:04.983: %LINEPROTO-5-UPDOWN: Line protocol on Interface
                      Virtual-Access4, changed state to up
```

Cette sortie **show user est générée avant l'activation de MS-CHAP et de MPPE.**

```
2621#show user
    Line       User       Host(s)              Idle       Location
*  0 con 0                idle                 00:00:00

  Interface    User               Mode         Idle     Peer Address
  Vi4          cisco              PPPoVPDN     00:00:01 192.168.1.4
```

Cette sortie **show user est générée après l'activation de MS-CHAP et de MPPE.**

```
2621#show user
    Line       User       Host(s)              Idle       Location
*  0 con 0                idle                 00:00:00

  Interface    User               Mode         Idle     Peer Address
  Vi4          cisco              PPPoVPDN     00:00:00 192.168.1.4
```

Cette sortie **show ip route connected est générée avant l'activation de MS-CHAP et de MPPE.**

```
2621#show ip route connected
     172.16.0.0/24 is subnetted, 1 subnets
C       172.16.142.0 is directly connected, FastEthernet0/0
     10.0.0.0/24 is subnetted, 1 subnets
C       10.100.100.0 is directly connected, Loopback0
     192.168.1.0/32 is subnetted, 1 subnets
C       192.168.1.4 is directly connected, Virtual-Access4
```

Cette sortie **show vpdn est générée avant l'activation de MS-CHAP et de MPPE.**

```
2621#show vpdn

%No active L2TP tunnels

%No active L2F tunnels

PPTP Tunnel and Session Information Total tunnels 1 sessions 1

LocID Remote Name     State    Remote Address  Port  Sessions VPDN Group
3                     estabd   171.69.89.81    4737  1        1

LocID RemID TunID Intf    Username      State   Last Chg Uniq ID
3     32768 3     Vi4     cisco         estabd  00:01:44 2

%No active PPPoE tunnels
```

Cette sortie **show vpdn est générée après l'activation de MS-CHAP et de MPPE.**

```
2621#show vpdn

%No active L2TP tunnels

%No active L2F tunnels

PPTP Tunnel and Session Information Total tunnels 1 sessions 1

LocID Remote Name     State    Remote Address  Port  Sessions VPDN Group
5                     estabd   171.69.89.81    4893  1        1

LocID RemID TunID Intf    Username      State   Last Chg Uniq ID
5     0     5     Vi4     cisco         estabd  00:00:37 4

%No active PPPoE tunnels
```

Dépannage

Cette section fournit des informations que vous pouvez utiliser pour dépanner votre configuration.

Dépannage des commandes

Certaines commandes **show** sont prises en charge par l'Output Interpreter Tool (clients enregistrés uniquement), qui vous permet de voir une analyse de la sortie de la commande show.

Remarque : Consulter les renseignements importants sur les commandes de débogage avant d'utiliser les commandes de **débogage**.

- **clear vpdn tunnel pptp — Utilisée pour arrêter un tunnel spécifié et toutes les sessions dans le tunnel et effacer le tunnel PPTP spécifié.**

```
2621#clear vpdn tunnel pptp ip remote 171.69.89.81
Starting to clear the tunnel

2621#
*Mar  5 02:27:35.611: Vi4 PPP: Sending Acct Event[Down] id[5]
```

```
*Mar  5 02:27:35.611: Vi4 VPDN: Reseting interface
*Mar  5 02:27:35.611: Vi4 PPP: Block vaccess from being freed [0x1D]
*Mar  5 02:27:35.619: %LINK-3-UPDOWN: Interface Virtual-Access4, changed state to down
*Mar  5 02:27:35.619: Vi4 CCP: State is Closed
*Mar  5 02:27:35.623: Vi4 MPPE: Required encryption not negotiated
*Mar  5 02:27:35.623: Vi4 IPCP: Remove link info for cef entry 192.168.1.4
*Mar  5 02:27:35.623: Vi4 PPP: Unlocked by [0x4] Still Locked by [0x1B]
*Mar  5 02:27:35.623: Vi4 PPP: Unlocked by [0x10] Still Locked by [0xB]
*Mar  5 02:27:35.623: Vi4 PPP: Phase is TERMINATING
*Mar  5 02:27:35.627: Vi4 LCP: O TERMREQ [Open] id 2 len 4
*Mar  5 02:27:35.627: Vi4 IPCP: State is Closed
*Mar  5 02:27:35.627: Vi4 PPP: Unlocked by [0x8] Still Locked by [0x3]
*Mar  5 02:27:35.627: Vi4 LCP: State is Closed
*Mar  5 02:27:35.627: Vi4 PPP: Phase is DOWN
*Mar  5 02:27:35.627: Vi4 PPP: Unlocked by [0x2] Still Locked by [0x1]
*Mar  5 02:27:35.639: Vi4 IPCP: Remove route to 192.168.1.4
*Mar  5 02:27:35.639: Vi4 PPP: Unlocked by [0x1] Still Locked by [0x0]
*Mar  5 02:27:35.639: Vi4 PPP: Free previously blocked vaccess
*Mar  5 02:27:36.619: %LINEPROTO-5-UPDOWN: Line protocol on Interface
 Virtual-Access4, changed state to down
```

Encryption Mismatch — Sortie de débogage du routeur configuré pour le cryptage renforcé 128 bits lorsque le client VPN est configuré pour le cryptage 40 bits.

```
2621#
2621#
*Mar  5 02:29:36.339: ppp5 PPP: Using vpn set call direction
*Mar  5 02:29:36.339: ppp5 PPP: Treating connection as a callin
*Mar  5 02:29:36.339: ppp5 PPP: Phase is ESTABLISHING, Passive Open
*Mar  5 02:29:36.343: ppp5 LCP: State is Listen
*Mar  5 02:29:38.351: ppp5 LCP: TIMEout: State Listen
*Mar  5 02:29:38.351: ppp5 PPP: Authorization required
*Mar  5 02:29:38.351: ppp5 LCP: O CONFREQ [Listen] id 1 len 15
*Mar  5 02:29:38.351: ppp5 LCP:    AuthProto MS-CHAP (0x0305C22380)
*Mar  5 02:29:38.351: ppp5 LCP:    MagicNumber 0x1664E006 (0x05061664E006)
*Mar  5 02:29:38.359: ppp5 LCP: I CONFACK [REQsent] id 1 len 15
*Mar  5 02:29:38.359: ppp5 LCP:    AuthProto MS-CHAP (0x0305C22380)
*Mar  5 02:29:38.359: ppp5 LCP:    MagicNumber 0x1664E006 (0x05061664E006)
*Mar  5 02:29:38.359: ppp5 LCP: I CONFREQ [ACKrcvd] id 1 len 44
*Mar  5 02:29:38.359: ppp5 LCP:    MagicNumber 0x793D5ED8 (0x0506793D5ED8)
*Mar  5 02:29:38.363: ppp5 LCP:    PFC (0x0702)
*Mar  5 02:29:38.363: ppp5 LCP:    ACFC (0x0802)
*Mar  5 02:29:38.363: ppp5 LCP:    Callback 6  (0x0D0306)
*Mar  5 02:29:38.363: ppp5 LCP:    MRRU 1614 (0x1104064E)
*Mar  5 02:29:38.363: ppp5 LCP:    EndpointDisc 1 Local
*Mar  5 02:29:38.363: ppp5 LCP:     (0x131701E18F20C4D84A435B98EBA4BEA6)
*Mar  5 02:29:38.363: ppp5 LCP:     (0x897EAE00000005)
*Mar  5 02:29:38.363: ppp5 LCP: O CONFREJ [ACKrcvd] id 1 len 11
*Mar  5 02:29:38.367: ppp5 LCP:    Callback 6  (0x0D0306)
*Mar  5 02:29:38.367: ppp5 LCP:    MRRU 1614 (0x1104064E)
*Mar  5 02:29:38.367: ppp5 LCP: I CONFREQ [ACKrcvd] id 2 len 37
*Mar  5 02:29:38.371: ppp5 LCP:    MagicNumber 0x793D5ED8 (0x0506793D5ED8)
*Mar  5 02:29:38.371: ppp5 LCP:    PFC (0x0702)
*Mar  5 02:29:38.371: ppp5 LCP:    ACFC (0x0802)
*Mar  5 02:29:38.371: ppp5 LCP:    EndpointDisc 1 Local
*Mar  5 02:29:38.371: ppp5 LCP:     (0x131701E18F20C4D84A435B98EBA4BEA6)
*Mar  5 02:29:38.371: ppp5 LCP:     (0x897EAE00000005)
*Mar  5 02:29:38.371: ppp5 LCP: O CONFACK [ACKrcvd] id 2 len 37
*Mar  5 02:29:38.375: ppp5 LCP:    MagicNumber 0x793D5ED8 (0x0506793D5ED8)
*Mar  5 02:29:38.375: ppp5 LCP:    PFC (0x0702)
*Mar  5 02:29:38.375: ppp5 LCP:    ACFC (0x0802)
*Mar  5 02:29:38.375: ppp5 LCP:    EndpointDisc 1 Local
*Mar  5 02:29:38.375: ppp5 LCP:     (0x131701E18F20C4D84A435B98EBA4BEA6)
```

```
*Mar  5 02:29:38.375: ppp5 LCP:     (0x897EAE00000005)
*Mar  5 02:29:38.375: ppp5 LCP: State is Open
*Mar  5 02:29:38.375: ppp5 PPP: Phase is AUTHENTICATING, by this end
*Mar  5 02:29:38.379: ppp5 MS-CHAP: O CHALLENGE id 1 len 21 from "2621    "
*Mar  5 02:29:38.383: ppp5 LCP: I IDENTIFY [Open] id 3 len 18 magic
                      0x793D5ED8 MSRASV5.00
*Mar  5 02:29:38.383: ppp5 LCP: I IDENTIFY [Open] id 4 len 28 magic
                      0x793D5ED8 MSRAS-1-USHAFIQ-W2K1
*Mar  5 02:29:38.383: ppp5 MS-CHAP: I RESPONSE id 1 len 59 from "cisco"
*Mar  5 02:29:38.383: ppp5 PPP: Phase is FORWARDING, Attempting Forward
*Mar  5 02:29:38.387: ppp5 PPP: Phase is AUTHENTICATING, Unauthenticated User
*Mar  5 02:29:38.387: ppp5 PPP: Sent MSCHAP LOGIN Request
*Mar  5 02:29:38.475: ppp5 PPP: Received LOGIN Response PASS
*Mar  5 02:29:38.479: ppp5 PPP: Phase is FORWARDING, Attempting Forward
*Mar  5 02:29:38.483: Vi4 PPP: Phase is DOWN, Setup
*Mar  5 02:29:38.483:   Tnl/Sn6/6 PPTP: Virtual interface created for
                        bandwidth 100000 Kbps
*Mar  5 02:29:38.483: Vi4  Tnl/Sn6/6 PPTP: VPDN session up
*Mar  5 02:29:38.487: %LINK-3-UPDOWN: Interface Virtual-Access4, changed state to up
*Mar  5 02:29:38.487: Vi4 PPP: Phase is AUTHENTICATING, Authenticated User
*Mar  5 02:29:38.487: Vi4 MS-CHAP: O SUCCESS id 1 len 4
*Mar  5 02:29:38.491: Vi4 PPP: Phase is UP
*Mar  5 02:29:38.491: Vi4 IPCP: O CONFREQ [Closed] id 1 len 10
*Mar  5 02:29:38.491: Vi4 IPCP:    Address 172.16.142.191 (0x0306AC108EBF)
*Mar  5 02:29:38.491: Vi4 CCP: O CONFREQ [Closed] id 1 len 10
*Mar  5 02:29:38.491: Vi4 CCP:    MS-PPC supported bits 0x01000060 (0x120601000060)
*Mar  5 02:29:38.491: Vi4 PPP: Process pending packets
*Mar  5 02:29:38.499: Vi4 CCP: I CONFREQ [REQsent] id 5 len 10
*Mar  5 02:29:38.503: Vi4 CCP:    MS-PPC supported bits 0x01000001 (0x120601000001)
*Mar  5 02:29:38.503: Vi4 CCP: O CONFNAK [REQsent] id 5 len 10
*Mar  5 02:29:38.503: Vi4 CCP:    MS-PPC supported bits 0x01000060 (0x120601000060)
*Mar  5 02:29:38.503: Vi4 CCP: I CONFREJ [REQsent] id 1 len 10
*Mar  5 02:29:38.503: Vi4 CCP:    MS-PPC supported bits 0x01000060 (0x120601000060)
*Mar  5 02:29:38.503: Vi4 MPPE: Required encryption not negotiated
*Mar  5 02:29:38.503: Vi4 PPP: Sending Acct Event[Down] id[6]
*Mar  5 02:29:38.507: Vi4 CCP: State is Closed
*Mar  5 02:29:38.507: Vi4 MPPE: Required encryption not negotiated
*Mar  5 02:29:38.507: Vi4 PPP: Phase is TERMINATING
*Mar  5 02:29:38.507: Vi4 LCP: O TERMREQ [Open] id 2 len 4
*Mar  5 02:29:38.507: Vi4 IPCP: State is Closed
*Mar  5 02:29:38.507: Vi4 LCP: State is Closed
*Mar  5 02:29:38.511: Vi4 PPP: Phase is DOWN
*Mar  5 02:29:38.511: Vi4 VPDN: Reseting interface
*Mar  5 02:29:38.515: Vi4 PPP: Phase is ESTABLISHING, Passive Open
*Mar  5 02:29:38.515: Vi4 LCP: State is Listen
*Mar  5 02:29:38.515: Vi4 CCP: O CONFREQ [Closed] id 2 len 4
*Mar  5 02:29:38.519: %LINK-3-UPDOWN: Interface Virtual-Access4, changed state to down
*Mar  5 02:29:38.519: Vi4 LCP: State is Closed
*Mar  5 02:29:38.519: Vi4 PPP: Phase is DOWN
```

Authentication Mismatch — Sortie de débogage du routeur configuré pour MS-CHAP et le client VPN configuré pour PAP.

```
*Mar  5 02:30:46.555: ppp6 PPP: Using vpn set call direction
*Mar  5 02:30:46.559: ppp6 PPP: Treating connection as a callin
*Mar  5 02:30:46.559: ppp6 PPP: Phase is ESTABLISHING, Passive Open
*Mar  5 02:30:46.559: ppp6 LCP: State is Listen
*Mar  5 02:30:48.559: ppp6 LCP: TIMEout: State Listen
*Mar  5 02:30:48.559: ppp6 PPP: Authorization required
*Mar  5 02:30:48.559: ppp6 LCP: O CONFREQ [Listen] id 1 len 15
*Mar  5 02:30:48.559: ppp6 LCP:    AuthProto MS-CHAP (0x0305C22380)
*Mar  5 02:30:48.559: ppp6 LCP:    MagicNumber 0x1665F247 (0x05061665F247)
*Mar  5 02:30:48.575: ppp6 LCP: I CONFNAK [REQsent] id 1 len 8
```

```
*Mar  5 02:30:48.575: ppp6 LCP:    AuthProto PAP (0x0304C023)
*Mar  5 02:30:48.575: ppp6 LCP: O CONFREQ [REQsent] id 2 len 15
*Mar  5 02:30:48.575: ppp6 LCP:    AuthProto MS-CHAP (0x0305C22380)
*Mar  5 02:30:48.575: ppp6 LCP:    MagicNumber 0x1665F247 (0x05061665F247)
*Mar  5 02:30:48.579: ppp6 LCP: I CONFREQ [REQsent] id 1 len 44
*Mar  5 02:30:48.579: ppp6 LCP:    MagicNumber 0x78FD271D (0x050678FD271D)
*Mar  5 02:30:48.579: ppp6 LCP:    PFC (0x0702)
*Mar  5 02:30:48.579: ppp6 LCP:    ACFC (0x0802)
*Mar  5 02:30:48.579: ppp6 LCP:    Callback 6  (0x0D0306)
*Mar  5 02:30:48.579: ppp6 LCP:    MRRU 1614 (0x1104064E)
*Mar  5 02:30:48.579: ppp6 LCP:    EndpointDisc 1 Local
*Mar  5 02:30:48.583: ppp6 LCP:     (0x131701E18F20C4D84A435B98EBA4BEA6)
*Mar  5 02:30:48.583: ppp6 LCP:     (0x897EAE00000006)
*Mar  5 02:30:48.583: ppp6 LCP: O CONFREJ [REQsent] id 1 len 11
*Mar  5 02:30:48.583: ppp6 LCP:    Callback 6  (0x0D0306)
*Mar  5 02:30:48.583: ppp6 LCP:    MRRU 1614 (0x1104064E)
*Mar  5 02:30:48.587: ppp6 LCP: I CONFNAK [REQsent] id 2 len 8
*Mar  5 02:30:48.587: ppp6 LCP:    AuthProto PAP (0x0304C023)
*Mar  5 02:30:48.587: ppp6 LCP: O CONFREQ [REQsent] id 3 len 15
*Mar  5 02:30:48.587: ppp6 LCP:    AuthProto MS-CHAP (0x0305C22380)
*Mar  5 02:30:48.587: ppp6 LCP:    MagicNumber 0x1665F247 (0x05061665F247)
*Mar  5 02:30:48.591: ppp6 LCP: I CONFREQ [REQsent] id 2 len 37
*Mar  5 02:30:48.591: ppp6 LCP:    MagicNumber 0x78FD271D (0x050678FD271D)
*Mar  5 02:30:48.591: ppp6 LCP:    PFC (0x0702)
*Mar  5 02:30:48.591: ppp6 LCP:    ACFC (0x0802)
*Mar  5 02:30:48.591: ppp6 LCP:    EndpointDisc 1 Local
*Mar  5 02:30:48.591: ppp6 LCP:     (0x131701E18F20C4D84A435B98EBA4BEA6)
*Mar  5 02:30:48.595: ppp6 LCP:     (0x897EAE00000006)
*Mar  5 02:30:48.595: ppp6 LCP: O CONFACK [REQsent] id 2 len 37
*Mar  5 02:30:48.595: ppp6 LCP:    MagicNumber 0x78FD271D (0x050678FD271D)
*Mar  5 02:30:48.595: ppp6 LCP:    PFC (0x0702)
*Mar  5 02:30:48.595: ppp6 LCP:    ACFC (0x0802)
*Mar  5 02:30:48.595: ppp6 LCP:    EndpointDisc 1 Local
*Mar  5 02:30:48.595: ppp6 LCP:     (0x131701E18F20C4D84A435B98EBA4BEA6)
*Mar  5 02:30:48.595: ppp6 LCP:     (0x897EAE00000006)
*Mar  5 02:30:48.599: ppp6 LCP: I CONFNAK [ACKsent] id 3 len 8
*Mar  5 02:30:48.599: ppp6 LCP:    AuthProto PAP (0x0304C023)
*Mar  5 02:30:48.599: ppp6 LCP: O CONFREQ [ACKsent] id 4 len 15
*Mar  5 02:30:48.599: ppp6 LCP:    AuthProto MS-CHAP (0x0305C22380)
*Mar  5 02:30:48.599: ppp6 LCP:    MagicNumber 0x1665F247 (0x05061665F247)
*Mar  5 02:30:48.603: ppp6 LCP: I CONFNAK [ACKsent] id 4 len 8
*Mar  5 02:30:48.603: ppp6 LCP:    AuthProto PAP (0x0304C023)
*Mar  5 02:30:48.607: ppp6 LCP: O CONFREQ [ACKsent] id 5 len 15
*Mar  5 02:30:48.607: ppp6 LCP:    AuthProto MS-CHAP (0x0305C22380)
*Mar  5 02:30:48.607: ppp6 LCP:    MagicNumber 0x1665F247 (0x05061665F247)
*Mar  5 02:30:48.611: ppp6 LCP: I CONFNAK [ACKsent] id 5 len 8
*Mar  5 02:30:48.611: ppp6 LCP:    AuthProto PAP (0x0304C023)
*Mar  5 02:30:48.611: ppp6 LCP: O CONFREQ [ACKsent] id 6 len 15
*Mar  5 02:30:48.611: ppp6 LCP:    AuthProto MS-CHAP (0x0305C22380)
*Mar  5 02:30:48.611: ppp6 LCP:    MagicNumber 0x1665F247 (0x05061665F247)
*Mar  5 02:30:48.615: ppp6 LCP: I CONFNAK [ACKsent] id 6 len 8
*Mar  5 02:30:48.615: ppp6 LCP:    AuthProto PAP (0x0304C023)
*Mar  5 02:30:48.615: ppp6 LCP: O CONFREQ [ACKsent] id 7 len 15
*Mar  5 02:30:48.615: ppp6 LCP:    AuthProto MS-CHAP (0x0305C22380)
*Mar  5 02:30:48.619: ppp6 LCP:    MagicNumber 0x1665F247 (0x05061665F247)
*Mar  5 02:30:48.619: ppp6 LCP: I CONFNAK [ACKsent] id 7 len 8
*Mar  5 02:30:48.619: ppp6 LCP:    AuthProto PAP (0x0304C023)
*Mar  5 02:30:48.623: ppp6 LCP: O CONFREQ [ACKsent] id 8 len 15
*Mar  5 02:30:48.623: ppp6 LCP:    AuthProto MS-CHAP (0x0305C22380)
*Mar  5 02:30:48.623: ppp6 LCP:    MagicNumber 0x1665F247 (0x05061665F247)
*Mar  5 02:30:48.627: ppp6 LCP: I CONFNAK [ACKsent] id 8 len 8
*Mar  5 02:30:48.627: ppp6 LCP:    AuthProto PAP (0x0304C023)
*Mar  5 02:30:48.627: ppp6 LCP: O CONFREQ [ACKsent] id 9 len 15
*Mar  5 02:30:48.627: ppp6 LCP:    AuthProto MS-CHAP (0x0305C22380)
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*Mar  5 02:30:48.627: ppp6 LCP:    MagicNumber 0x1665F247 (0x05061665F247)
*Mar  5 02:30:48.631: ppp6 LCP: I CONFNAK [ACKsent] id 9 len 8
*Mar  5 02:30:48.631: ppp6 LCP:    AuthProto PAP (0x0304C023)
*Mar  5 02:30:48.631: ppp6 LCP: O CONFREQ [ACKsent] id 10 len 15
*Mar  5 02:30:48.635: ppp6 LCP:    AuthProto MS-CHAP (0x0305C22380)
*Mar  5 02:30:48.635: ppp6 LCP:    MagicNumber 0x1665F247 (0x05061665F247)
*Mar  5 02:30:48.635: ppp6 LCP: I CONFNAK [ACKsent] id 10 len 8
*Mar  5 02:30:48.639: ppp6 LCP:    AuthProto PAP (0x0304C023)
*Mar  5 02:30:48.639: ppp6 LCP: Failed to negotiate with peer
*Mar  5 02:30:48.639: ppp6 PPP: Sending Acct Event[Down] id[7]
*Mar  5 02:30:48.639: ppp6 LCP: O TERMREQ [ACKsent] id 11 len 4
*Mar  5 02:30:48.639: ppp6 PPP: Phase is TERMINATING
*Mar  5 02:30:48.647: ppp6 LCP: I TERMACK [TERMsent] id 11 len 4
*Mar  5 02:30:48.647: ppp6 LCP: State is Closed
*Mar  5 02:30:48.647: ppp6 PPP: Phase is DOWN
```

Informations connexes

- Configuration de Cisco Secure PIX Firewall pour utiliser PPTP
- Page de support PPTP
- Support et documentation techniques - Cisco Systems