Configuración del Router Cisco y de los Clientes VPN Usando PPTP y MPPE

Contenido

Introducción

Este documento describe cómo configurar un router Cisco IOS® que termine clientes PPTP (Point-to-Point Tunnelling Protocol) para Windows 2000 y Microsoft Point-to-Point Encryption Protocol (MPPE).

Consulte Configuración de Cisco Secure ACS para la Autenticación PPTP del Router de Windows para obtener más información sobre la autenticación PPTP con Cisco Secure Access Control Server (ACS).

Prerequisites

Requirements

No hay requisitos específicos para este documento.

Componentes Utilizados

La información que contiene este documento se basa en las versiones de software y hardware.

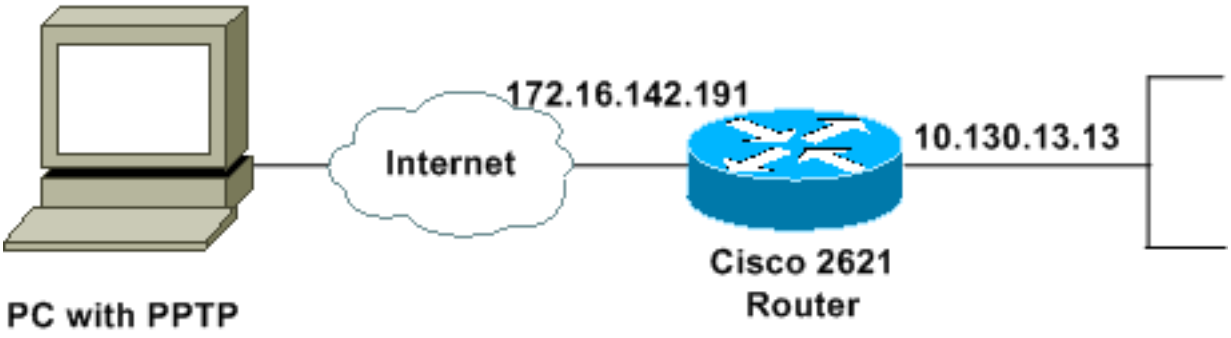
- Router Cisco 2621 que ejecuta Cisco IOS Software Release 12.2
- Microsoft Windows 2000

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.

Diagrama de la red

En este documento, se utiliza esta configuración de red:



Convenciones

Consulte Convenciones de Consejos TécnicosCisco para obtener más información sobre las convenciones del documento.

Configuración del router PPTP

Estos comandos IOS son aplicables a todas las plataformas que soportan 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
```

Cisco 2621 Router
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#
```

Configuración del router con MPPE y MS-CHAP

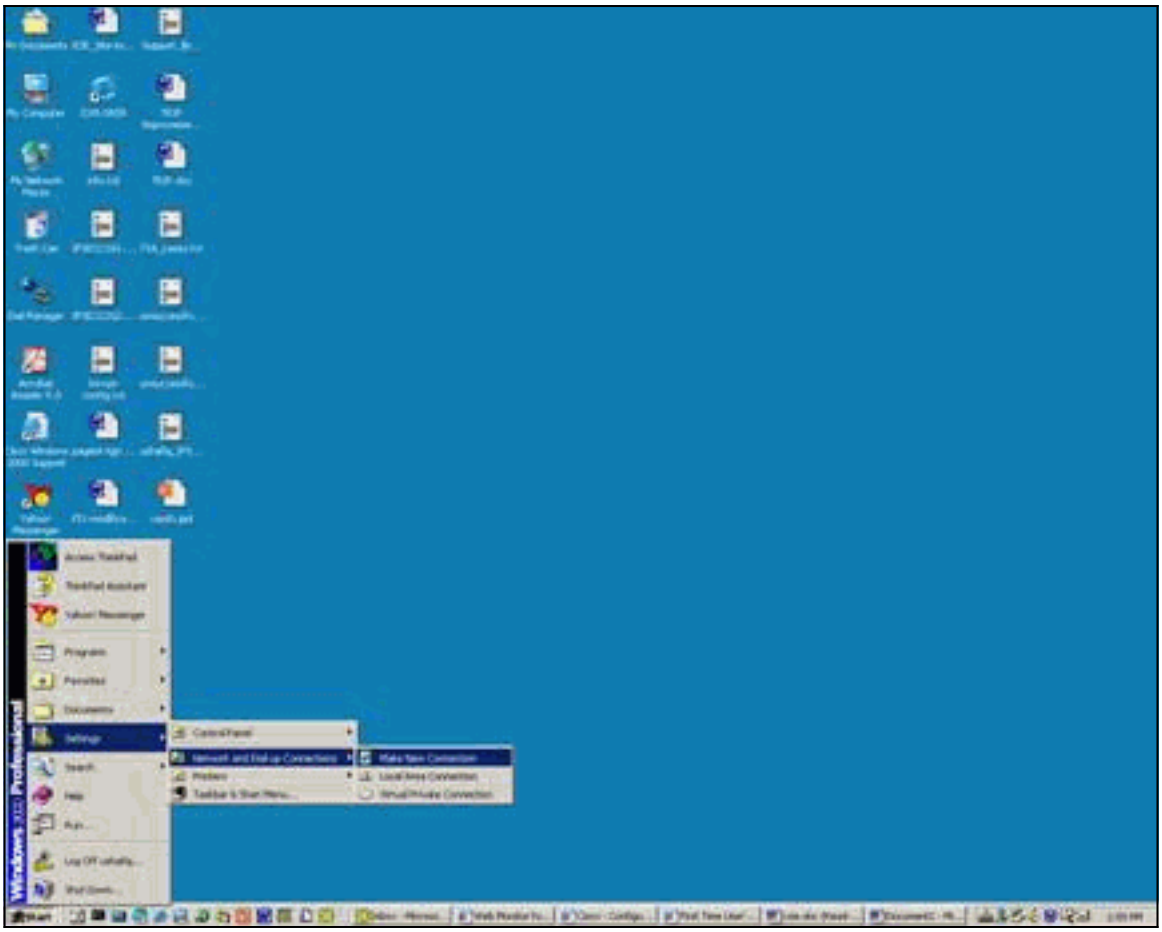
```
!--- Enter configuration commands, one per line. !--- End with CNTL/Z. 2621(config)#interface
Virtual-Template1
2621(config-if)#ppp authentication ms-chap
2621(config-if)#ppp encrypt mppe ?
  128   128 Bit Encryption only
  40    40 Bit Encryption only
  auto  Will offer 40 and 128 bit if available

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

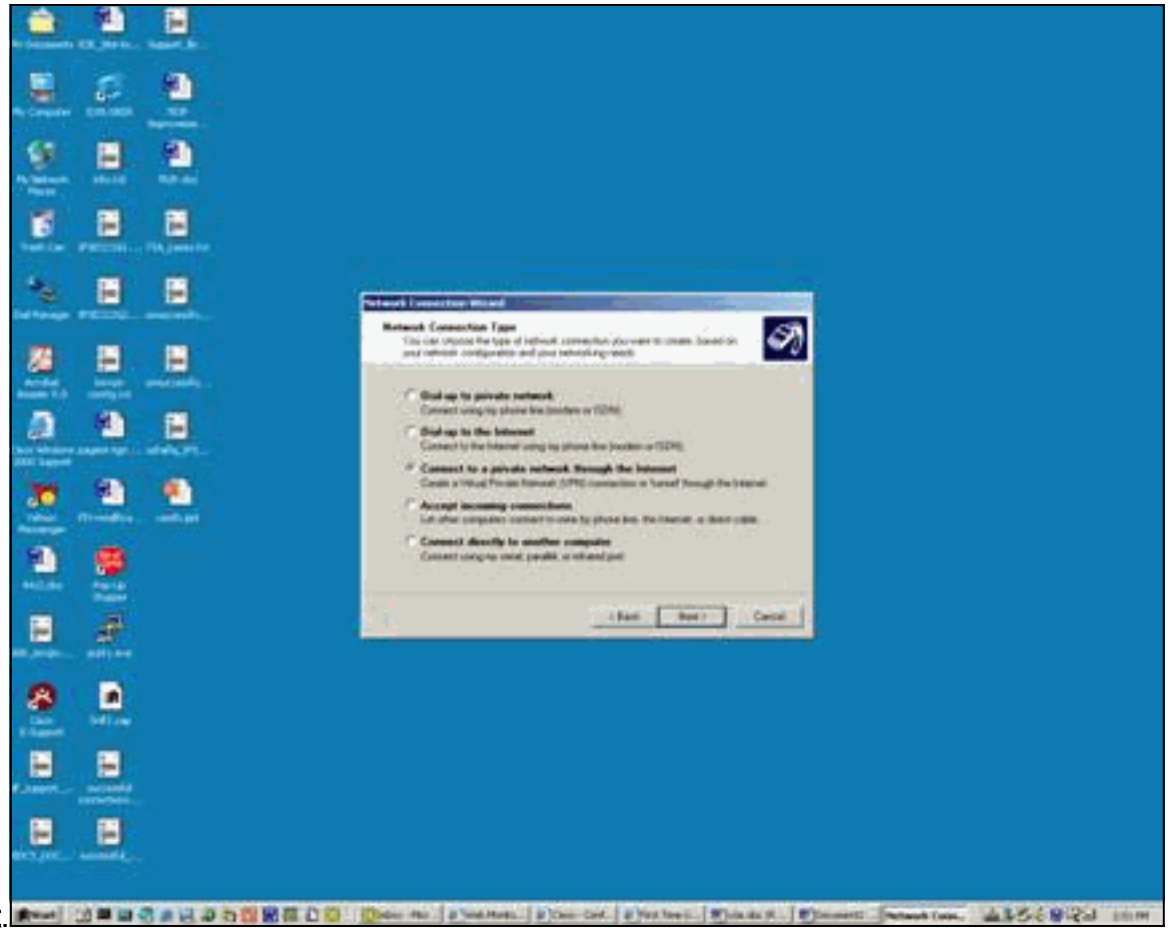
Configuración y configuración de VPN (PPTP) de Windows 2000

Complete estos pasos:

1. Elija **Start > Settings > Network and Dial-up Connections > Make New Connection**.

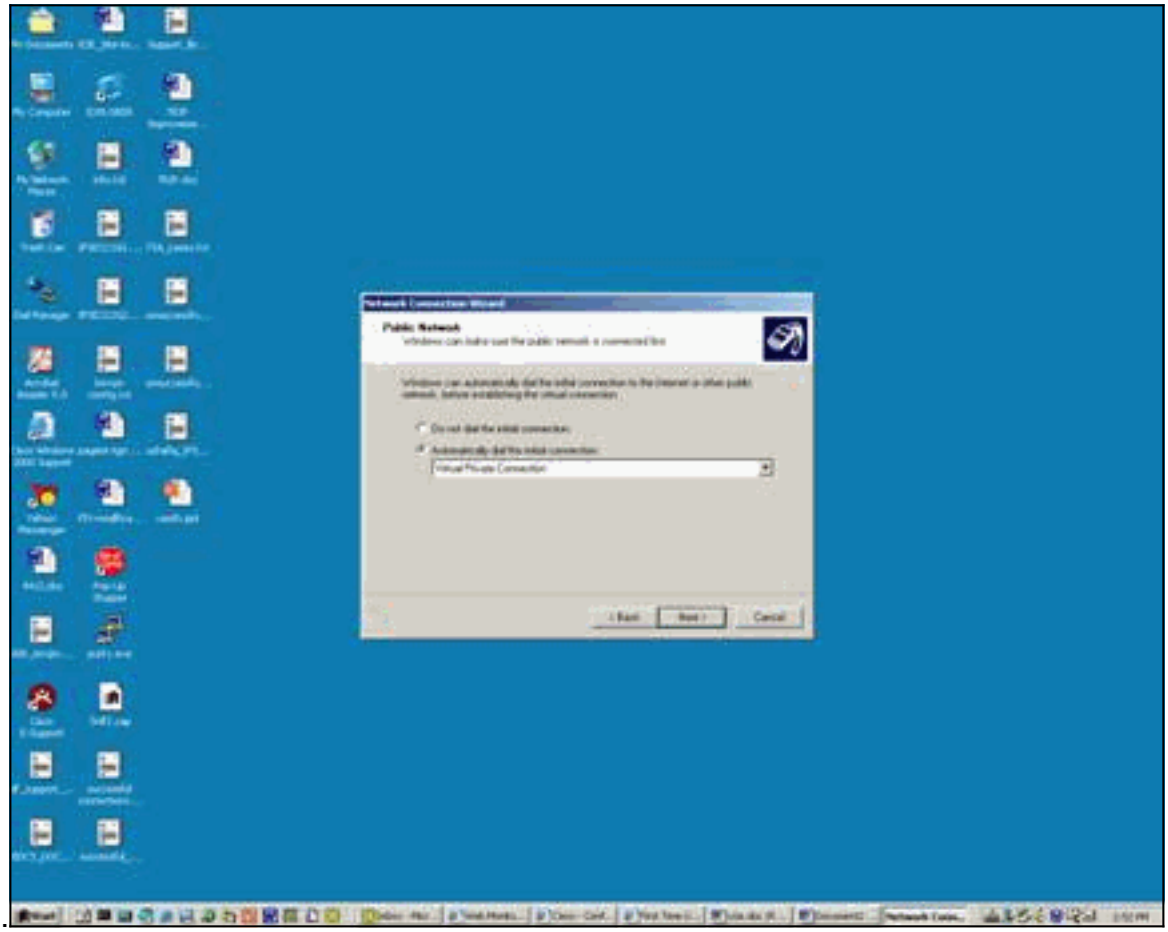


2. Después de que aparezca la ventana Network Connection Wizard , elija **Network Connection Type** y **Connect to a private network through the**



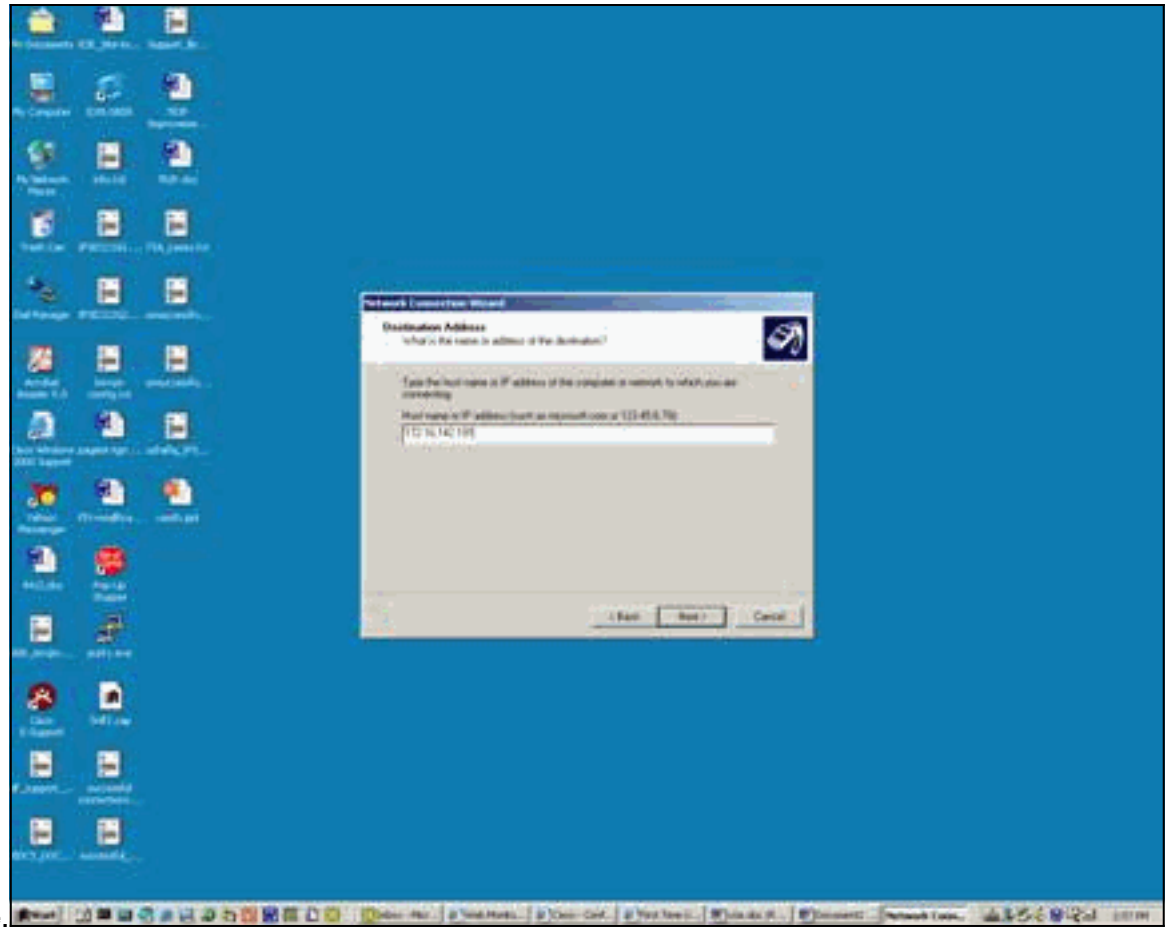
Internet.

3. Elija **Marcar automáticamente esta conexión**



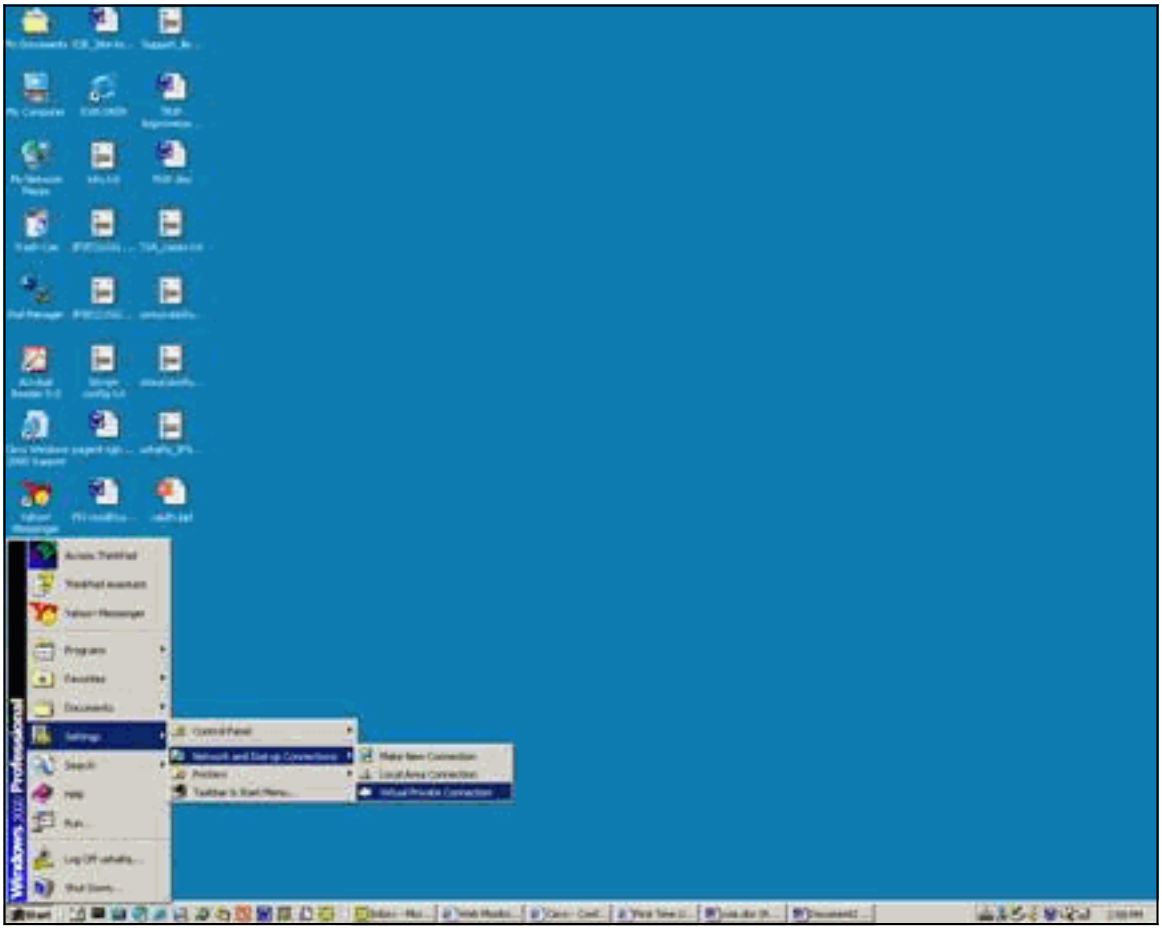
inicial.

4. Especifique una dirección de destino en el campo Host o dirección IP y haga clic en



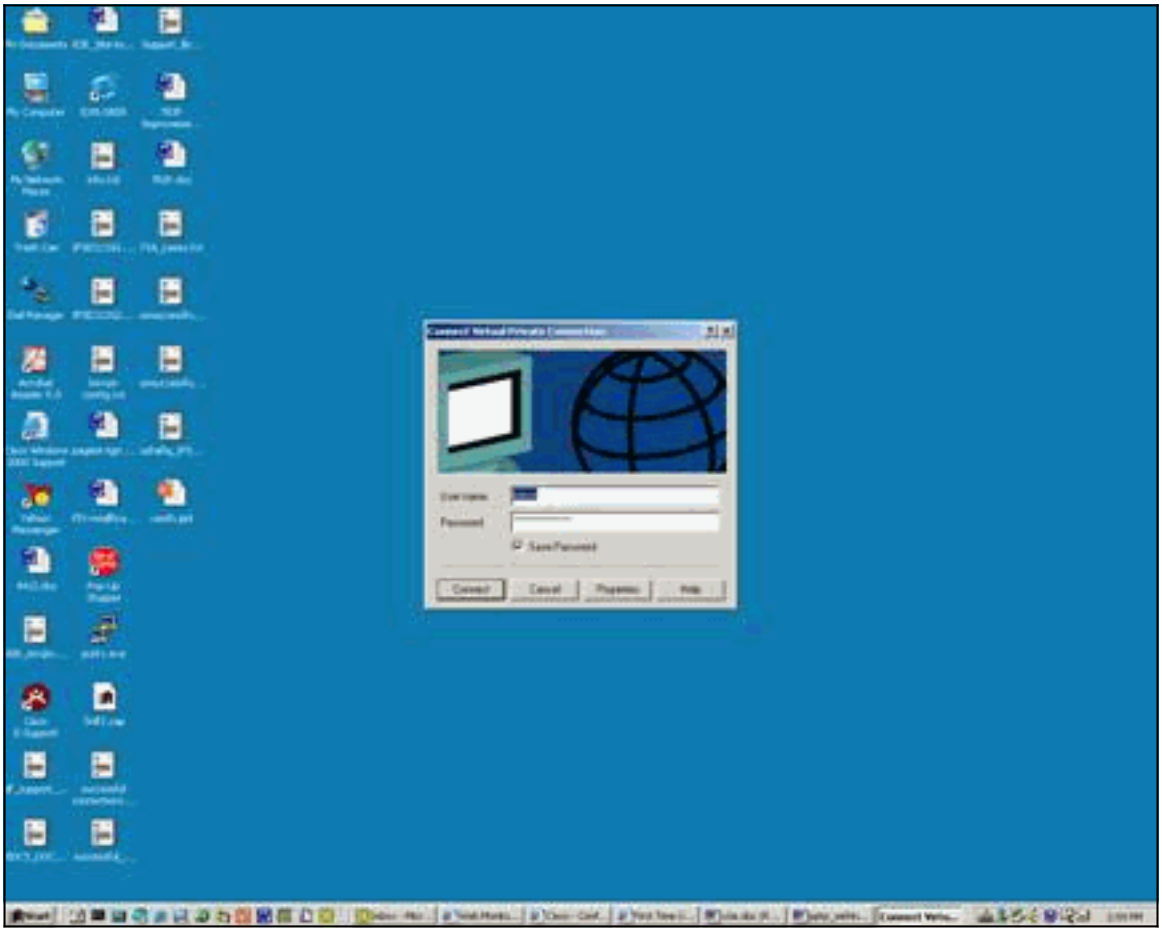
Siguiente.

5. Elija **Start > Settings > Network and Dial up connections** y seleccione la conexión configurada recientemente.

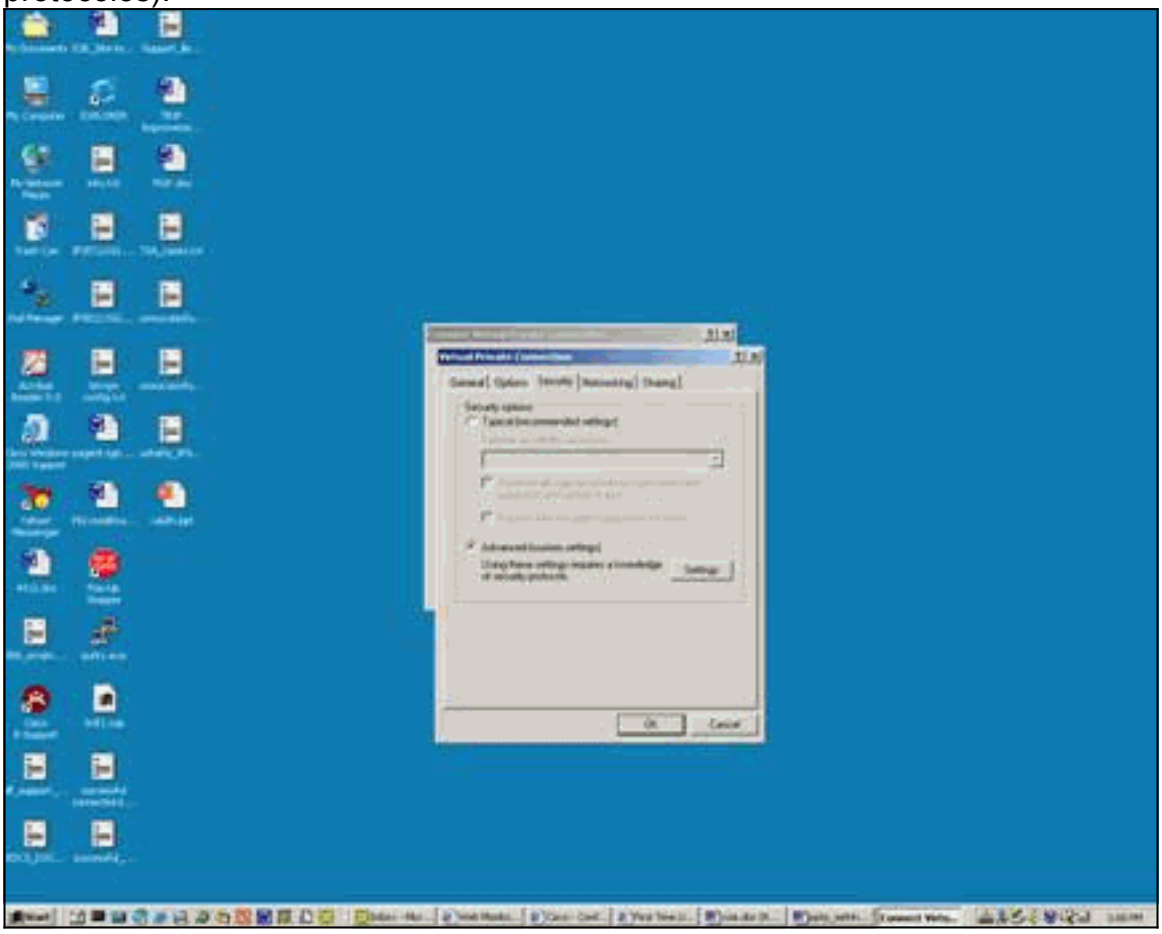


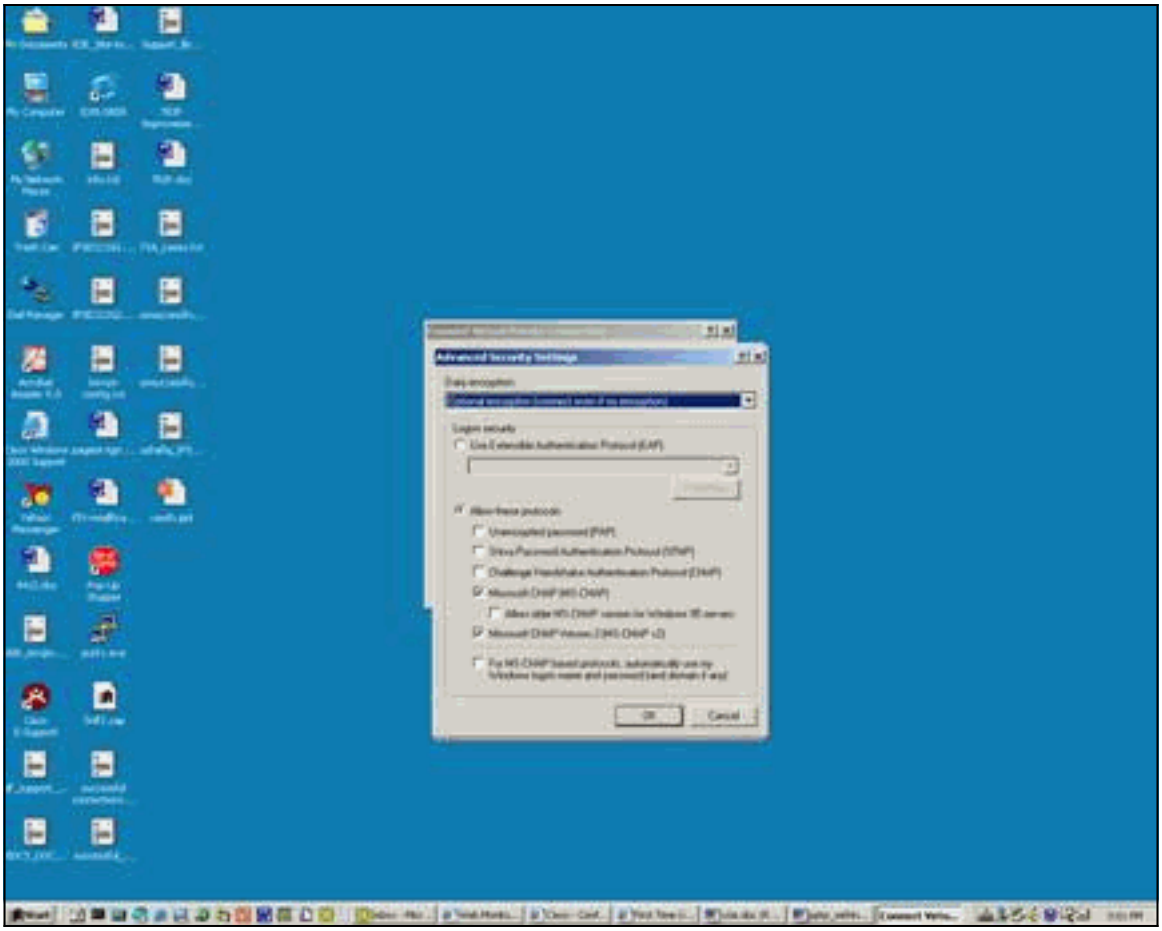
6. Después de que aparezca esta ventana, elija **Properties > Security** para establecer la opción

correctamente.

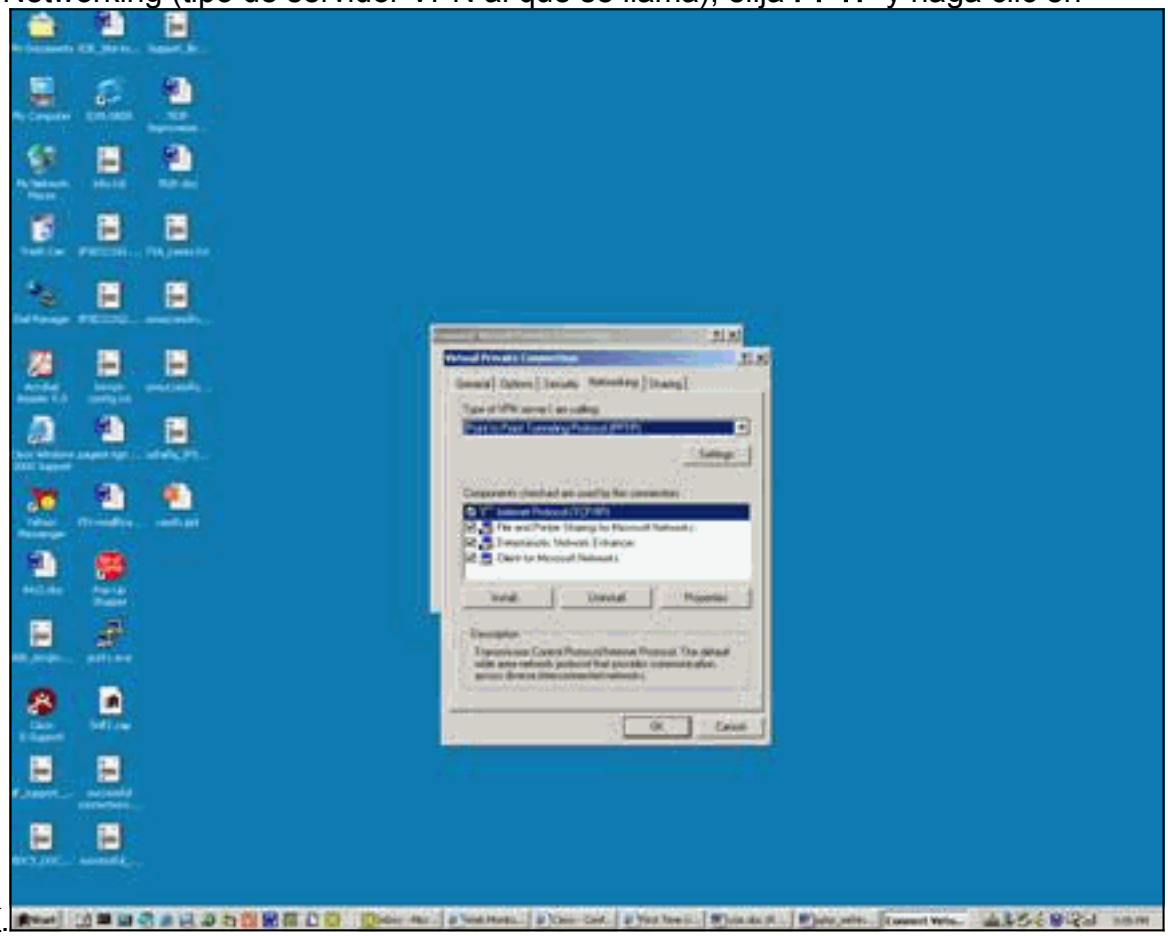


7. Elija **Advanced (configuración del cliente)**, elija **Settings** y seleccione el nivel de cifrado adecuado (cifrado de datos) y la autenticación (permitir estos protocolos).

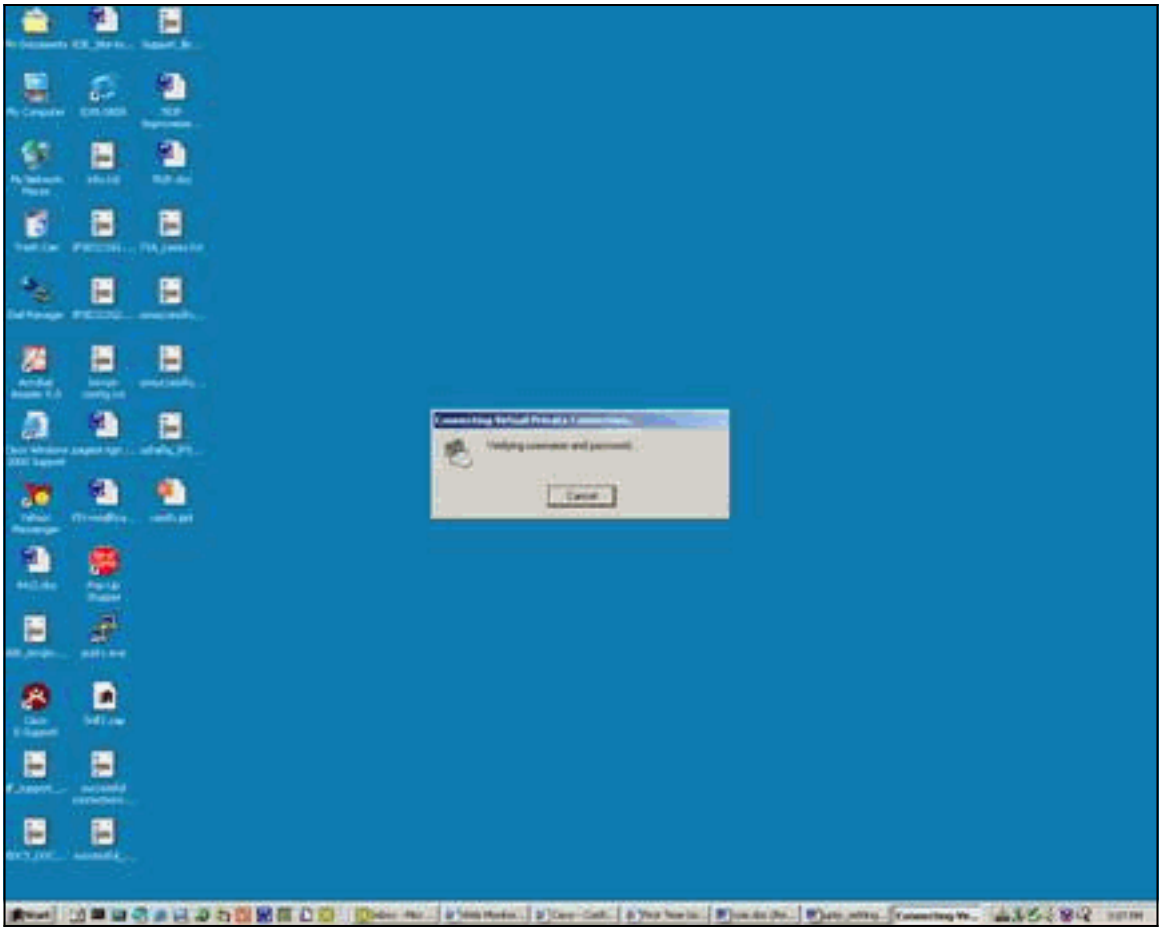




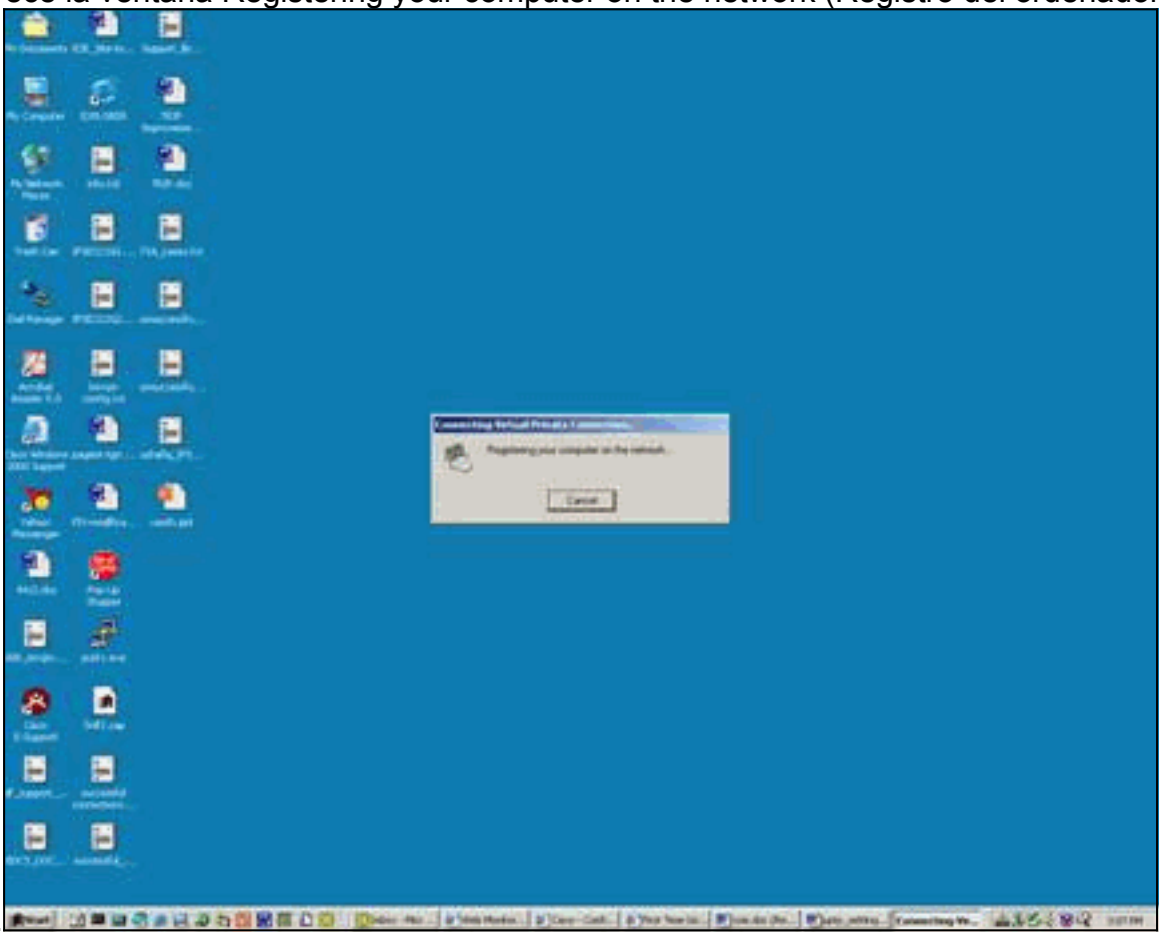
8. En Networking (tipo de servidor VPN al que se llama), elija **PPTP** y haga clic en **OK**.



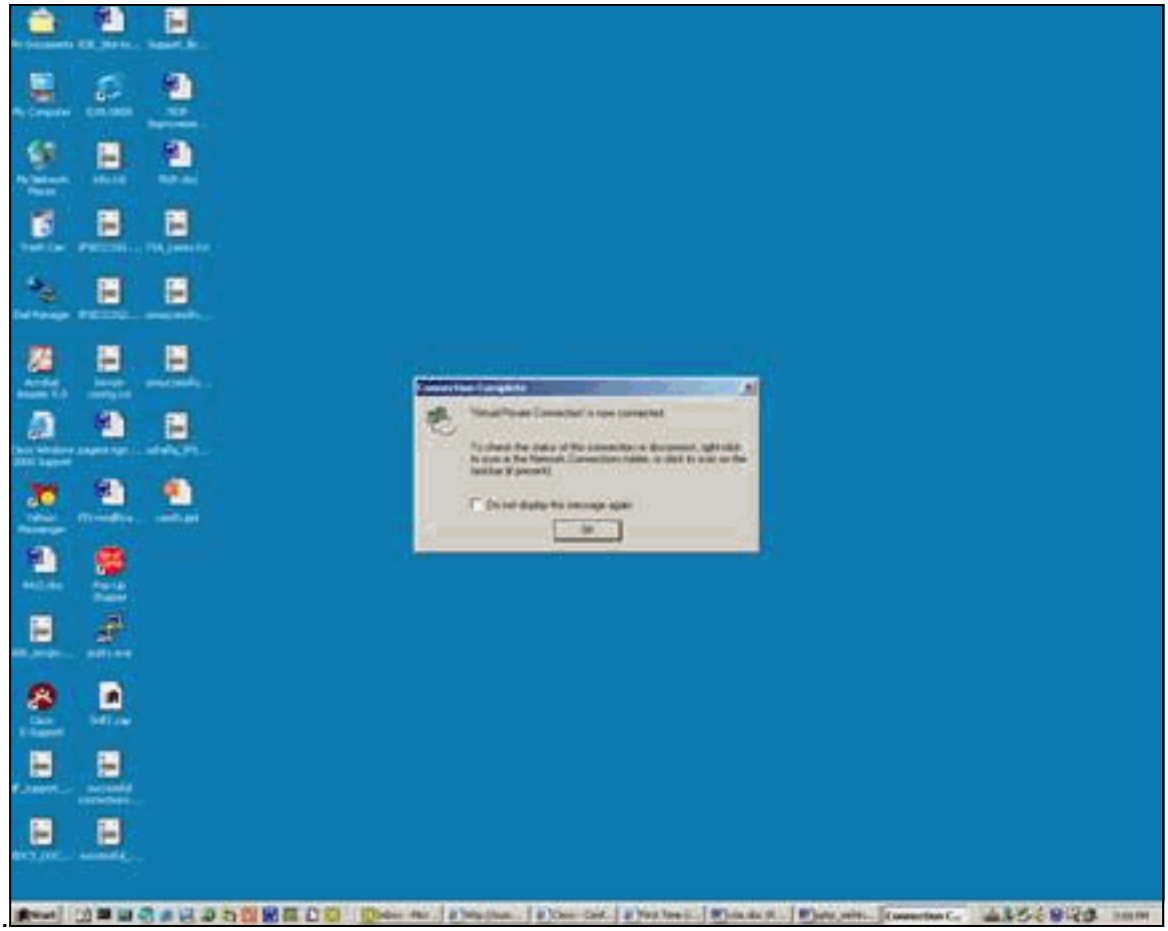
9. Aparece la ventana Verificación del nombre de usuario y la contraseña.



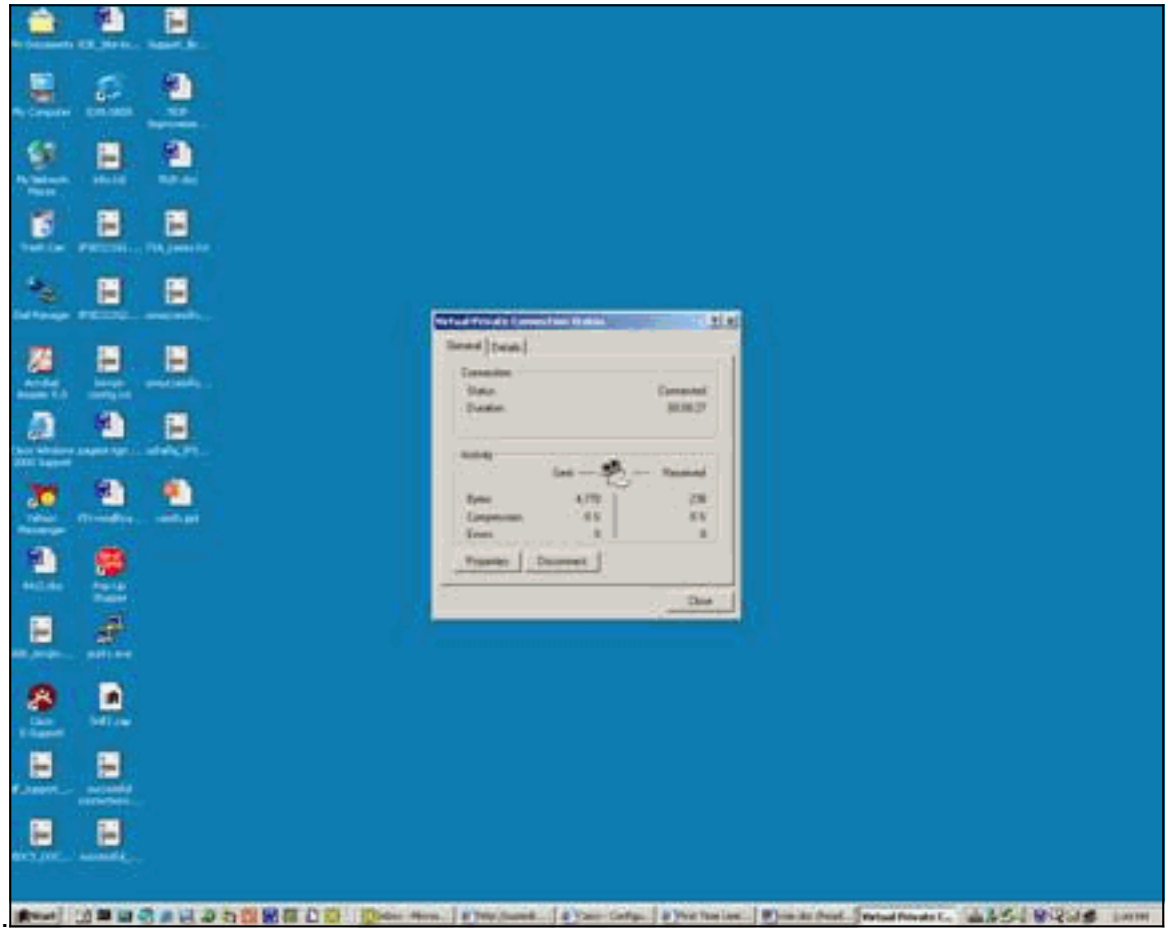
10. Aparece la ventana Registering your computer on the network (Registro del ordenador en la red).

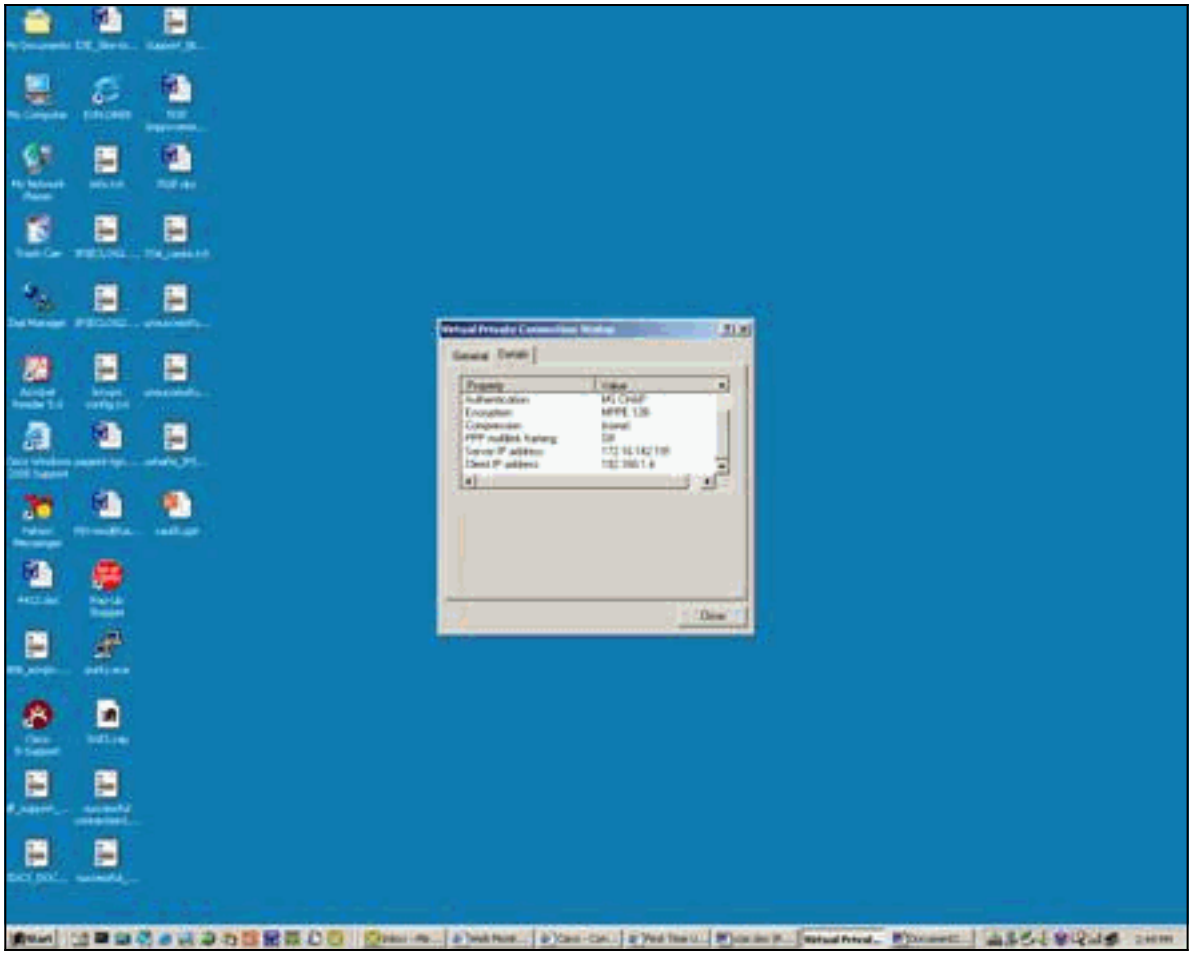


11. Aparecerá la ventana Connections Properties



12. Estas ventanas muestran el estado de la conexión.





Verificación

Esta sección proporciona información que puede utilizar para confirmar que su configuración funciona correctamente.

La herramienta Output Interpreter Tool (clientes registrados solamente) (OIT) soporta ciertos comandos show. Utilice la OIT para ver un análisis del resultado del comando show.

- **show debug**—Muestra **comandos debug** actualmente habilitados para resolver problemas
- **show user**: muestra los usuarios que han iniciado sesión y su estado
- **show ip route connected**—Muestra el estado actual de la tabla de ruteo
- **show vpdn**: muestra información sobre el túnel de protocolo de túnel de capa 2 activo (L2TP) o el protocolo de reenvío de capa 2 (L2F) y los identificadores de mensajes en una red de marcado privada virtual (VPDN)

Este es un ejemplo de salida del comando **show debug**.

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


VPN:
  VPDN events debugging is on
```

Esta es la salida de debug con el PPTP inicial configurado.

```
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#
```

Este es el resultado de la depuración con la configuración MPPE y MS-CHAP requerida.

```
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
```

Esta salida **show user** es antes de que se habiliten MS-CHAP y 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
```

Esta salida **show user** se produce después de habilitar MS-CHAP y 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
```

Esta salida **show ip route connected** es anterior a que se habiliten MS-CHAP y 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
```

Esta salida **show vpdn** es anterior a que se habiliten MS-CHAP y 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
```

Esta salida **show vpdn** se produce después de que se habiliten MS-CHAP y 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
```

Troubleshoot

En esta sección encontrará información que puede utilizar para solucionar problemas de configuración.

Comandos para resolución de problemas

La herramienta Output Interpreter (sólo para clientes registrados) permite utilizar algunos comandos “show” y ver un análisis del resultado de estos comandos.

Nota: Consulte Información Importante sobre Comandos Debug antes de utilizar los comandos **debug**.

- **clear vpdn tunnel pptp**: se utiliza para cerrar un túnel especificado y todas las sesiones del túnel y despeja el túnel PPTP especificado

```
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
```

Discordancia de cifrado: salida de depuración del router configurado para un cifrado fuerte de 128 cuando el cliente VPN está configurado para el cifrado de 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
```

Discordancia de autenticación: salida de depuración del router configurado para MS-CHAP y el cliente VPN configurado para 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
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*Mar  5 02:30:48.627: ppp6 LCP:    AuthProto MS-CHAP (0x0305C22380)
*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
```

Información Relacionada

- Configuración de PIX Firewall de Cisco Secure para utilizar PPTP
- Página de soporte de PPTP
- Soporte Técnico y Documentación - Cisco Systems