

مادختساب VPN و Cisco Router ءالمعلا نيوكت PPTP و MPPE

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المقدمة

يوضح هذا المستند كيفية تكوين موجه Cisco IOS[®] الذي ينهي عملاء بروتوكول الاتصال النفقي من نقطة إلى نقطة (PPTP) لنظام Windows 2000 وبروتوكول تشفير Microsoft من نقطة إلى نقطة (MPPE).

راجع [تكوين ACS الآمن من Cisco لمصادقة PPTP لموجه Windows](#) للحصول على مزيد من المعلومات حول مصادقة PPTP مع خادم التحكم في الوصول الآمن من Cisco (ACS).

المتطلبات الأساسية

المتطلبات

لا توجد متطلبات خاصة لهذا المستند.

المكونات المستخدمة

تستند المعلومات الواردة في هذا المستند إلى إصدارات البرامج والمكونات المادية:

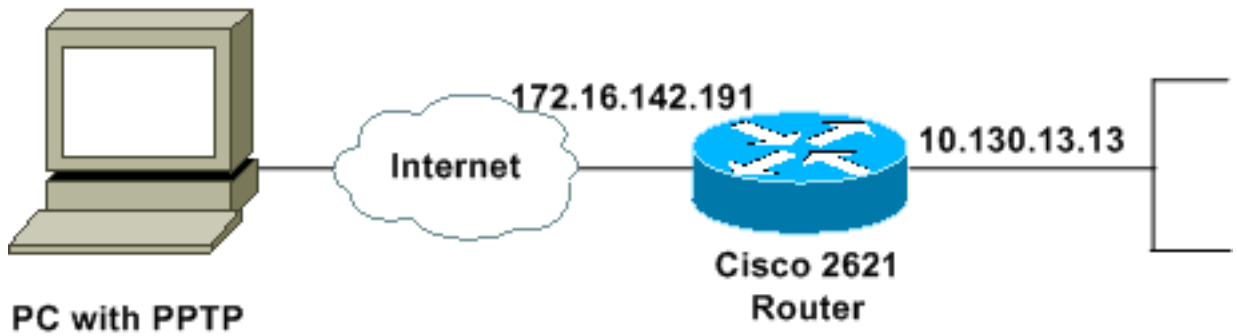
• الموجه 2621 من Cisco الذي يشغل برنامج Cisco IOS، الإصدار 12.2

• نظام التشغيل Microsoft Windows 2000

تم إنشاء المعلومات الواردة في هذا المستند من الأجهزة الموجودة في بيئة معملية خاصة. بدأت جميع الأجهزة المستخدمة في هذا المستند بتكوين ممسوح (افتراضي). إذا كانت شبكتك مباشرة، فتأكد من فهمك للتأثير المحتمل لأي أمر.

الرسم التخطيطي للشبكة

يستخدم هذا المستند إعداد الشبكة التالي:



الاصطلاحات

راجع اصطلاحات تلميحات Cisco التقنية للحصول على مزيد من المعلومات حول اصطلاحات المستندات.

تكوين موجه PPTP

يمكن تطبيق أوامر IOS هذه على جميع الأنظمة الأساسية التي تدعم بروتوكول 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
config-vpdn-acc-in)#exit)2621

config)#ip local pool test 192.168.1.1 192.168.1.250)2621
    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

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)2621
```

موجه Cisco 2621

```
2621#show run
...Building configuration

Current configuration : 1566 bytes
!
version 12.2
service timestamps debug datetime msec localtime
```



```

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#

```

تكوين الموجه مع MPPE و MS-CHAP

Enter configuration commands, one per line. !--- End with CNTL/Z. 2621(config)#**interface** ---!
Virtual-Template1
config-if)#**ppp authentication ms-chap**)2621
? config-if)#**ppp encrypt mppe**)2621

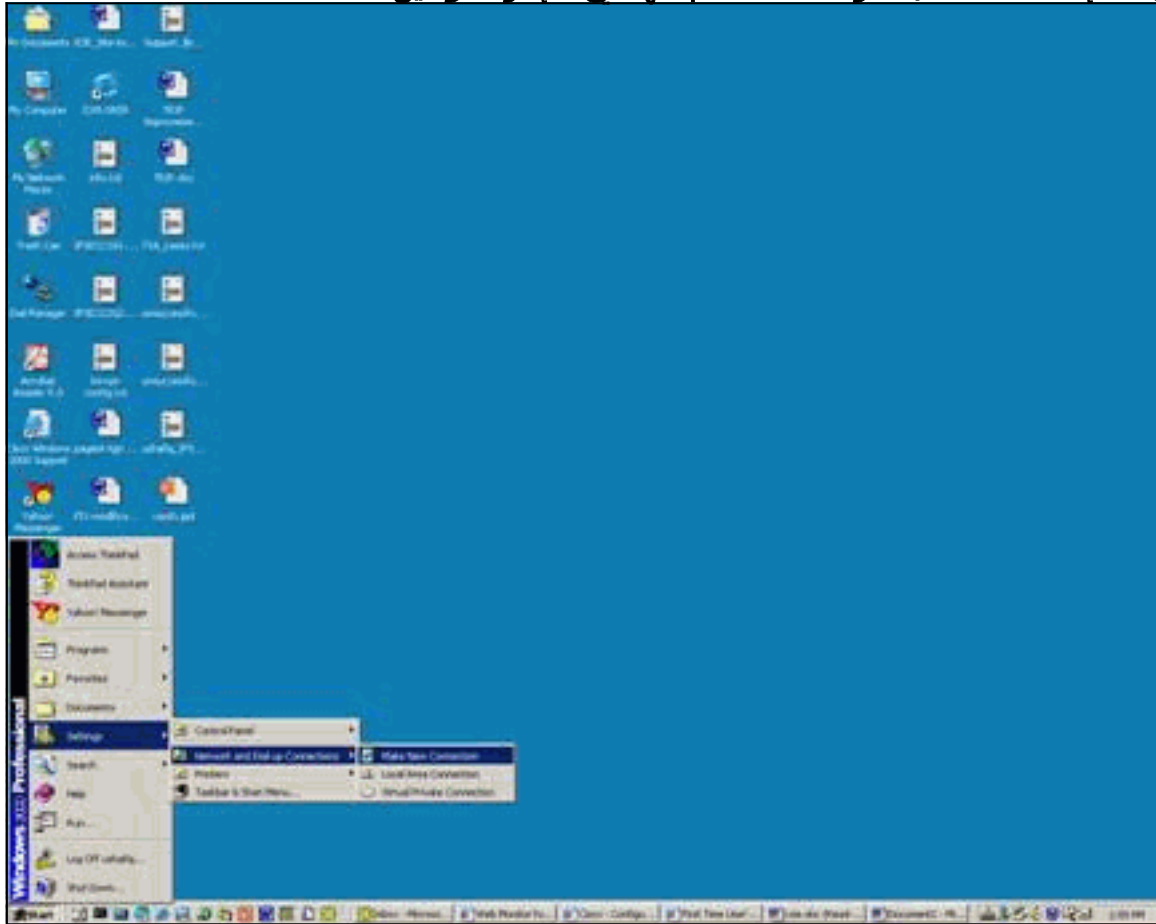
```
Bit Encryption only 128 128
Bit Encryption only 40 40
auto Will offer 40 and 128 bit if available
```

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

إعدادات وتكوين (PPTP Windows 2000 VPN)

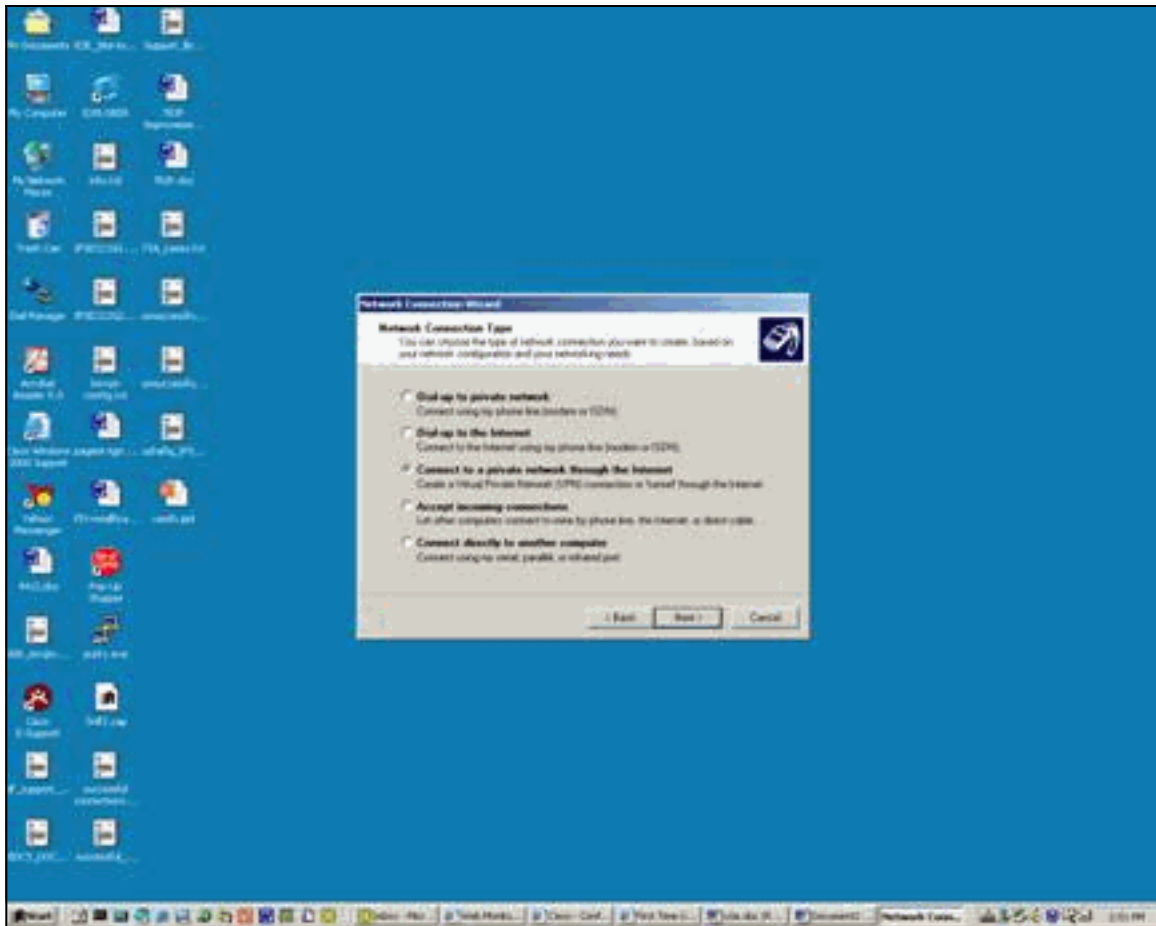
أكمل الخطوات التالية:

1. أختار ابدأ < إعدادات < الشبكة واتصالات الطلب الهاتفى < إجراء توصيل

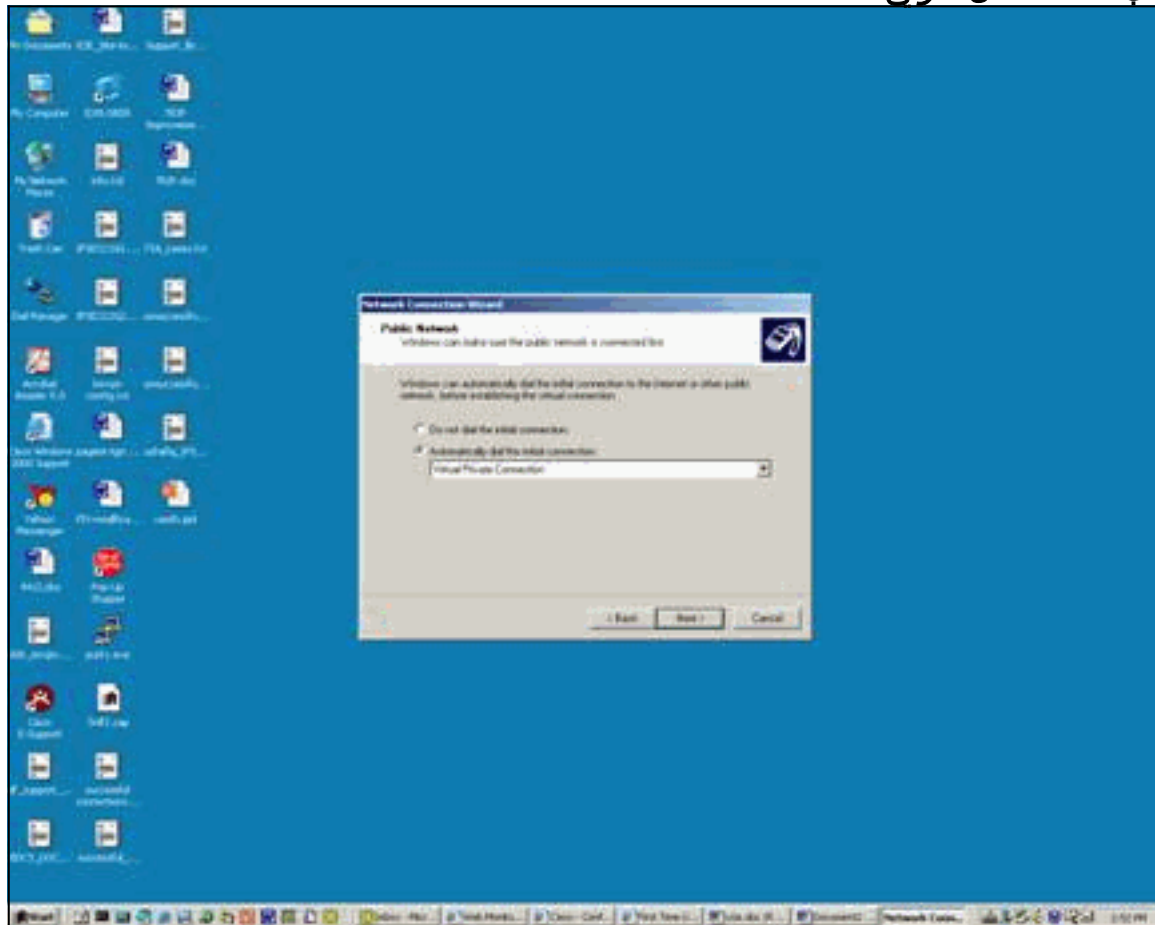


جديد.

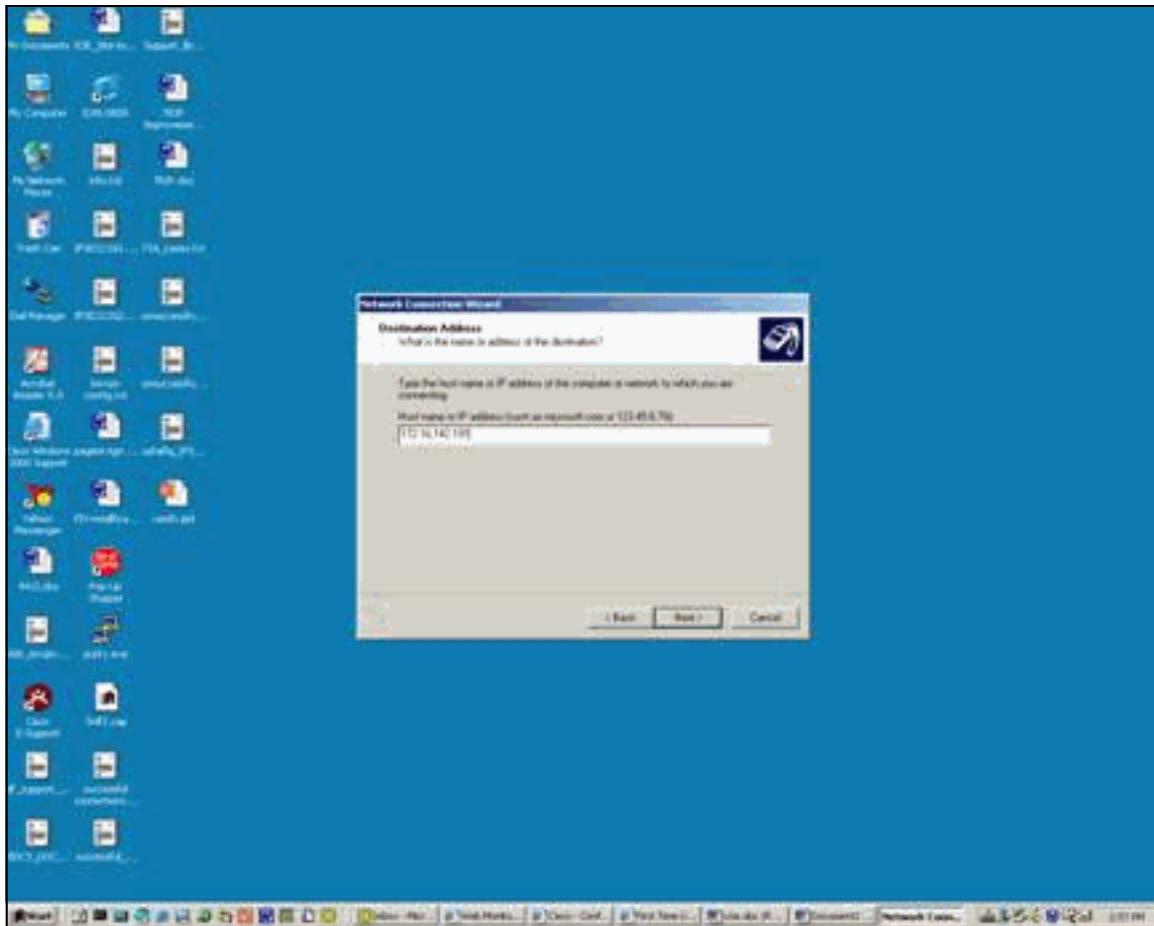
2. بعد ظهور "معالج توصيل الشبكة"، أختار نوع اتصال الشبكة والاتصال بشبكة خاصة من خلال



3. اختر طلب هذا الاتصال الأولى إترنت.

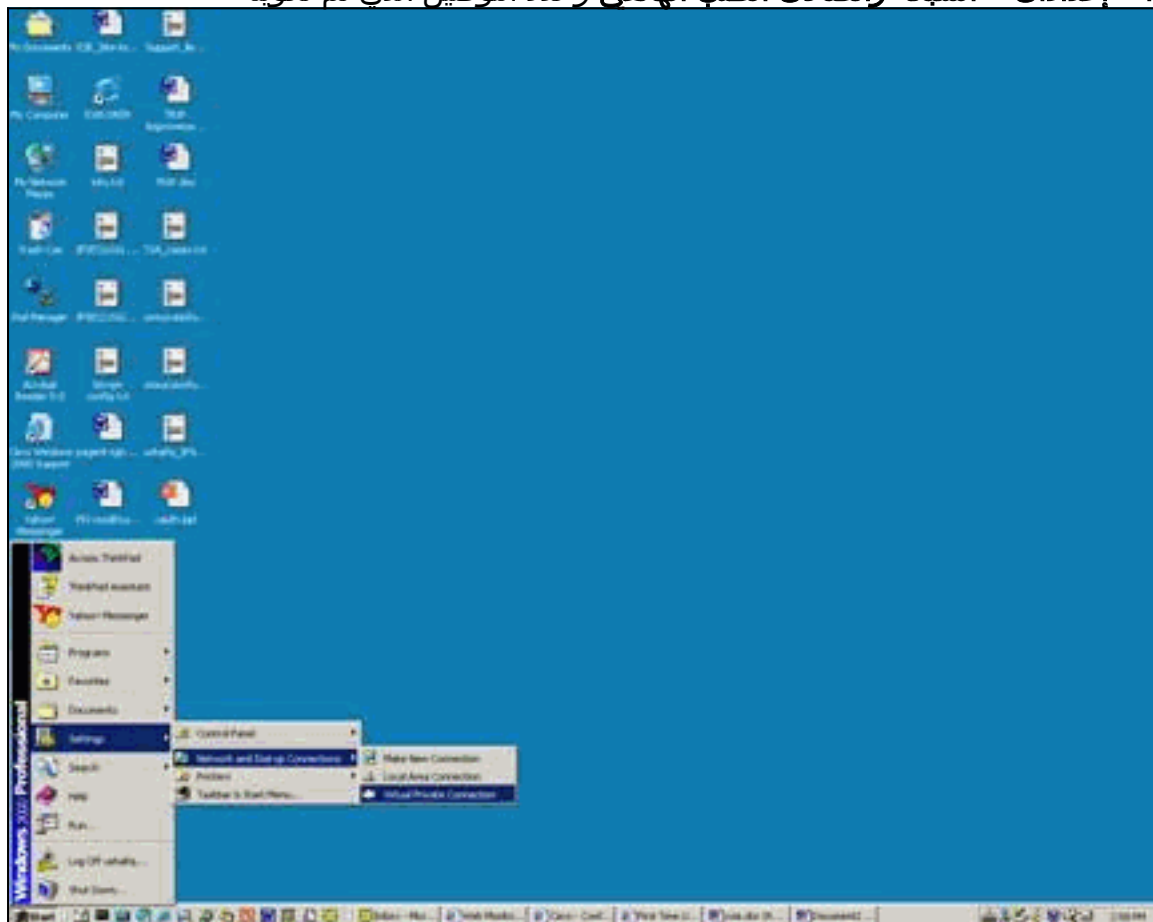


4. عينت غاية عنوان في المضيف أو عنوان مجال وطقطقة بعد تلقائيا.



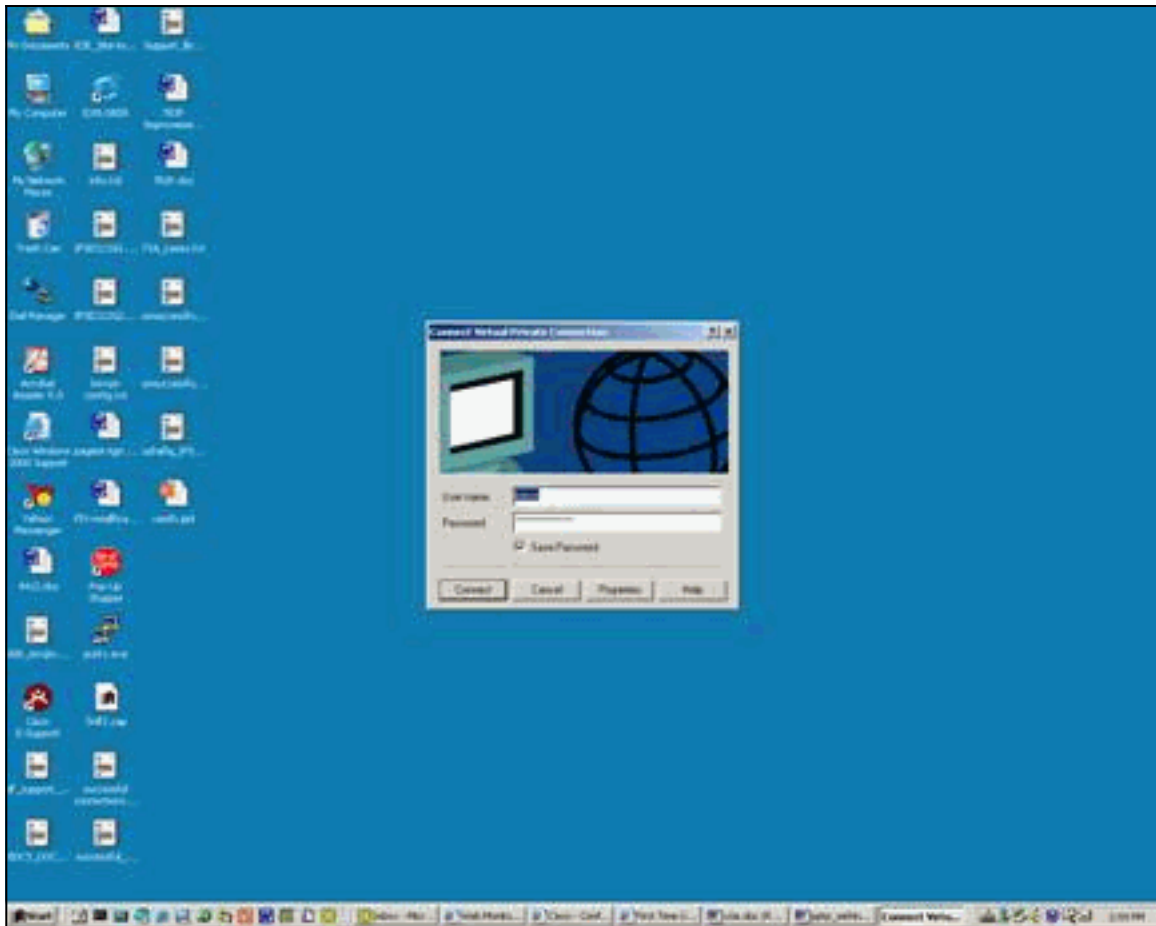
ذلك

5. أختار ابدأ < إعدادات > الشبكة واتصالات الطلب الهاتفي وحدد التوصيل الذي تم تكوينه



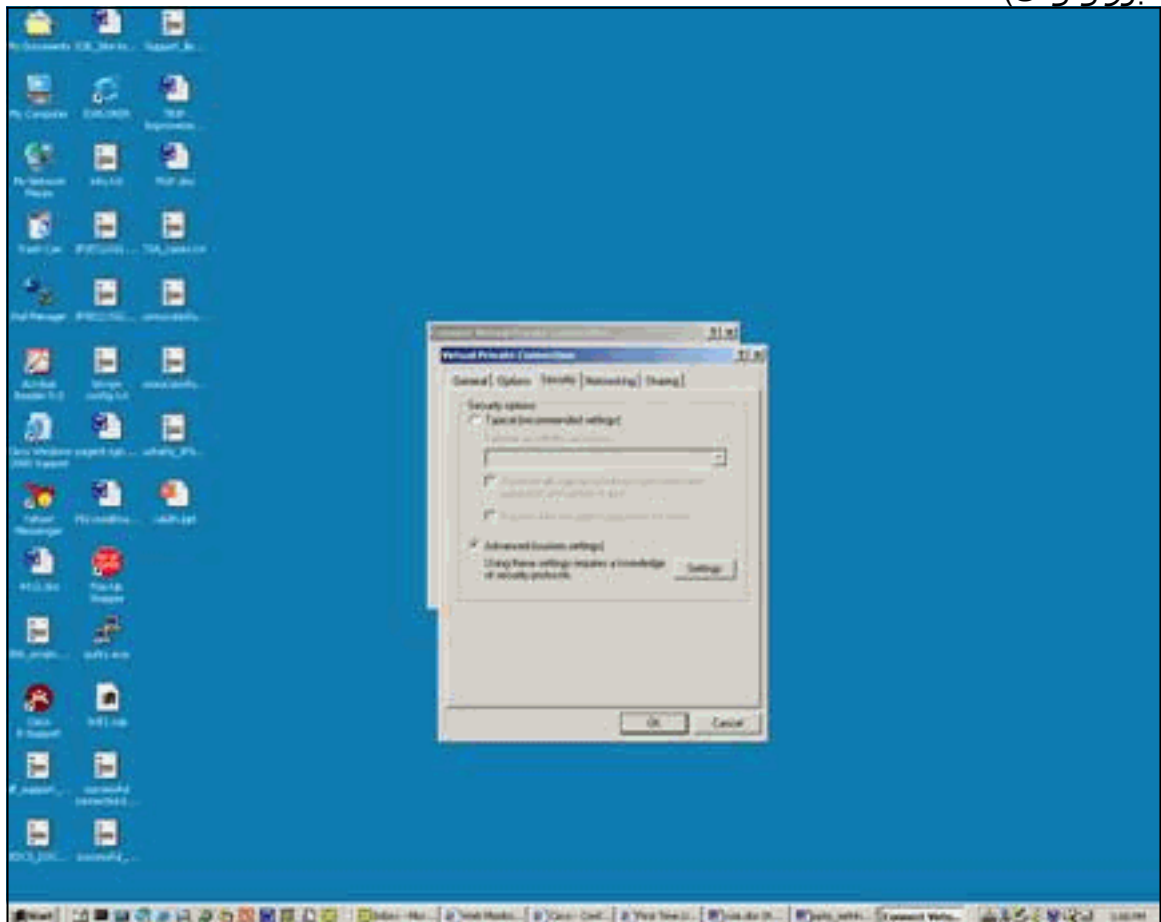
مؤخراً.

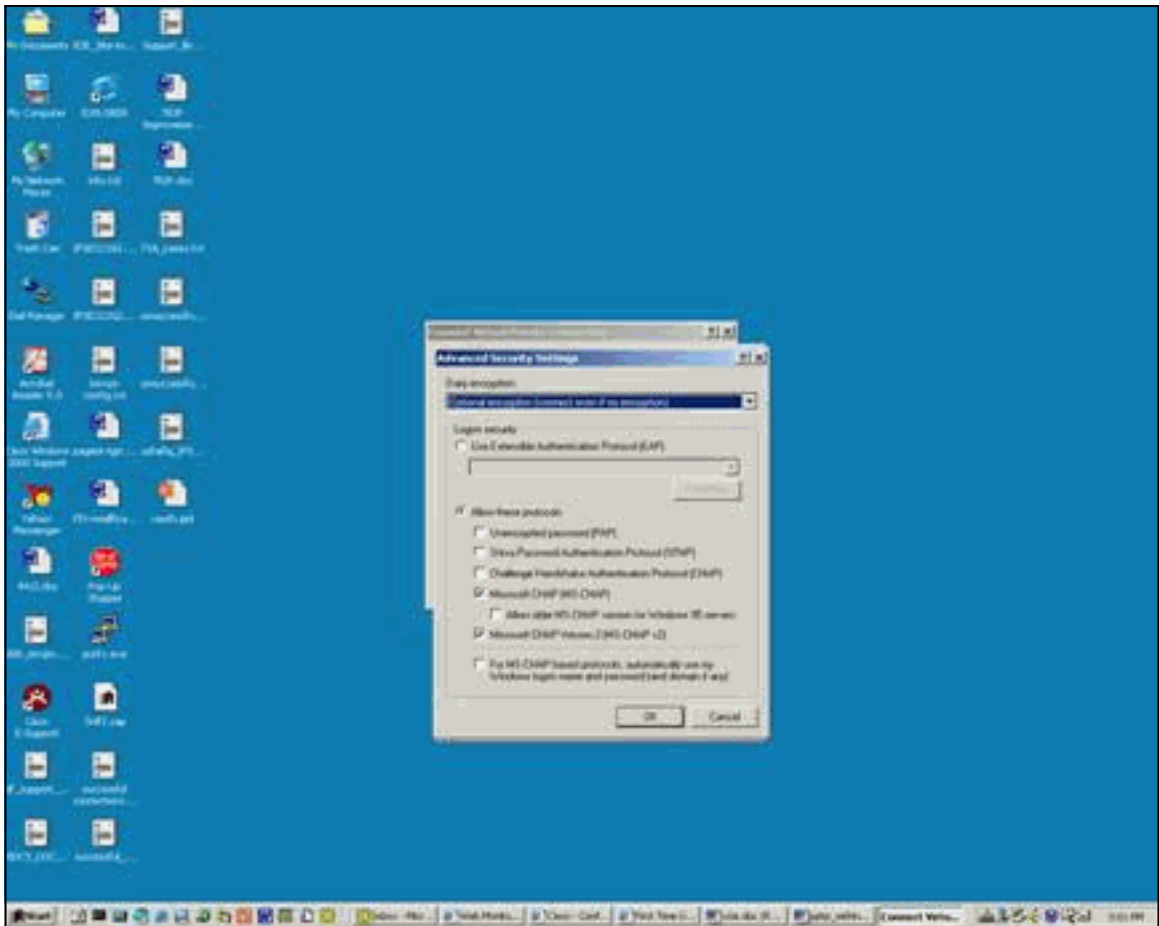
6. بعد أن يظهر هذا نافذة، أختار خصائص < التأمين in order to ثبت الخيار بشكل



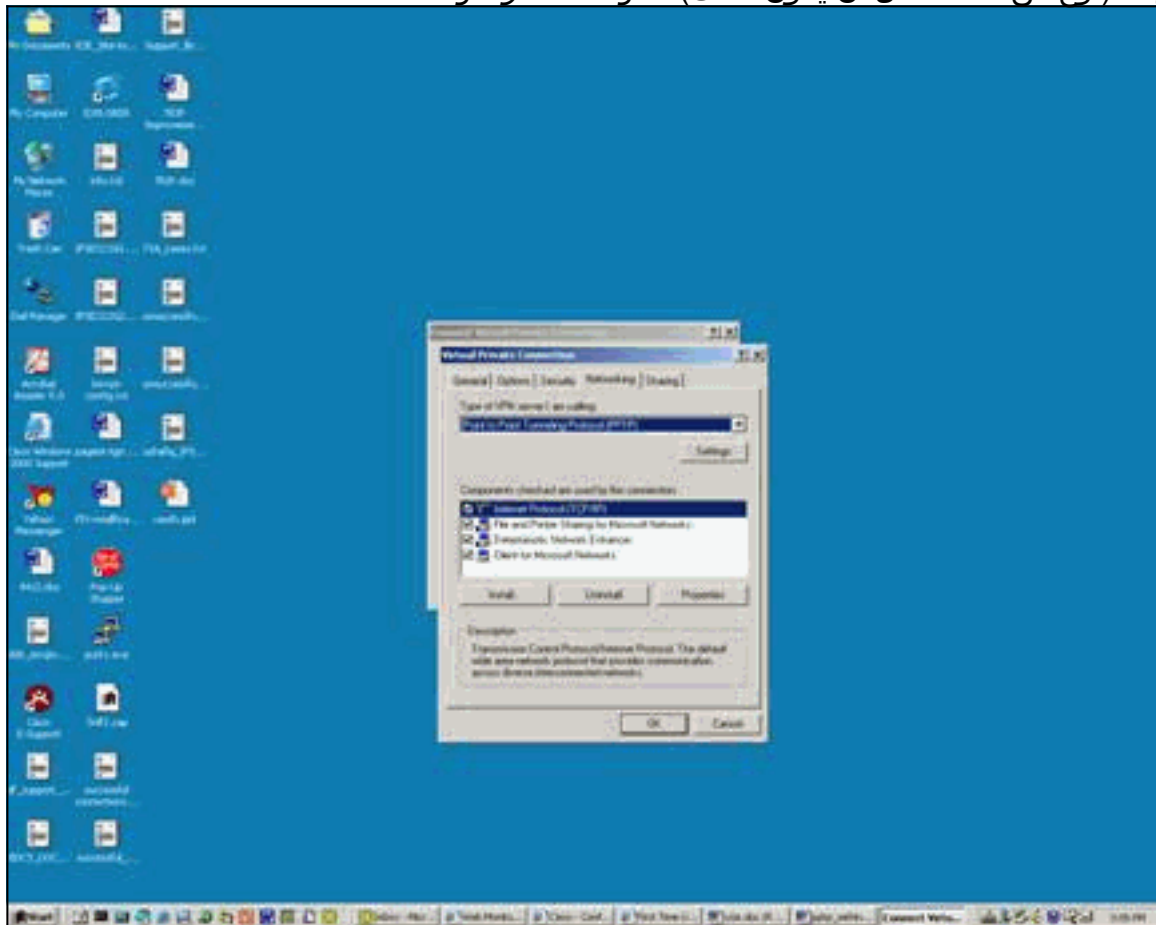
صحيح

7. أختار متقدم (إعدادات العميل)، واختر الإعدادات، وحدد مستوى التشفير المناسب (تشفير البيانات) والمصادقة (السماح بهذه البروتوكولات).

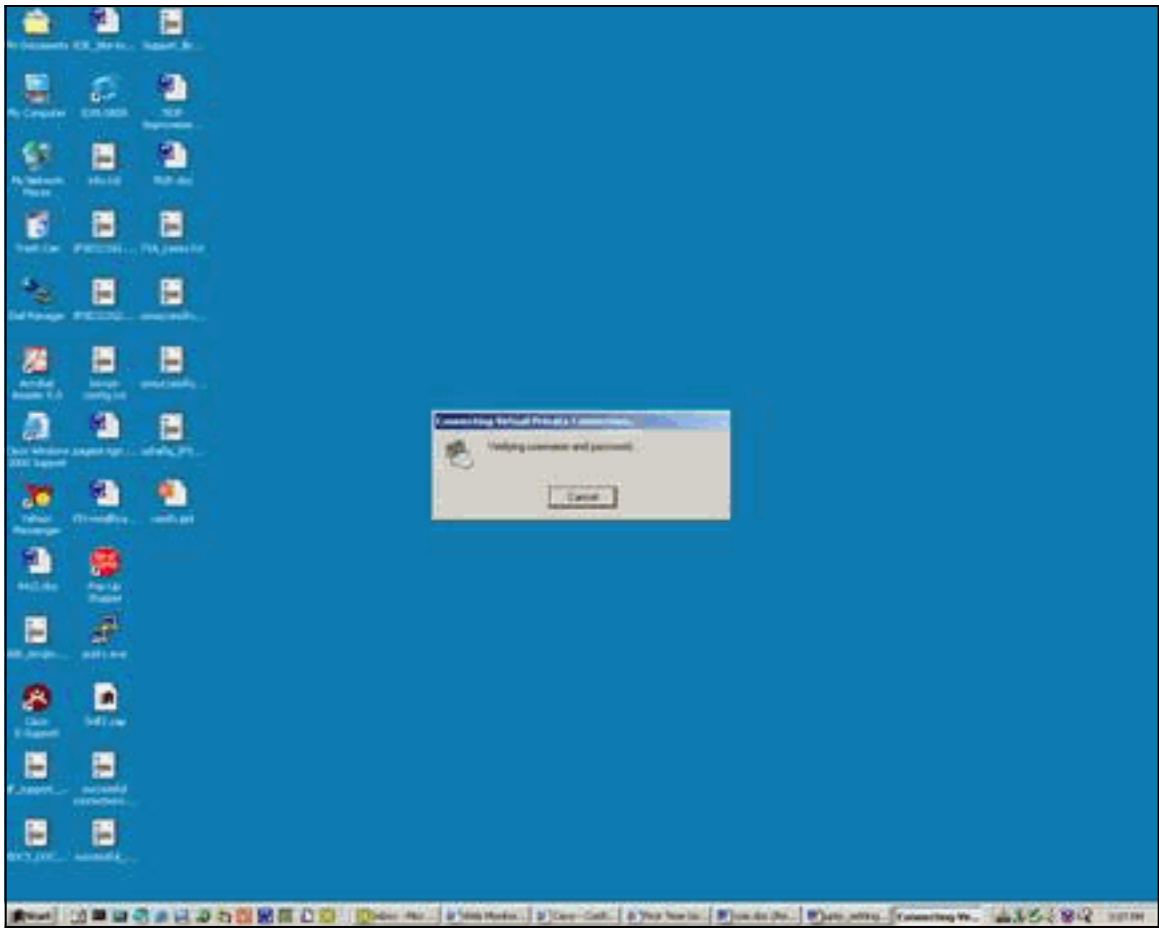




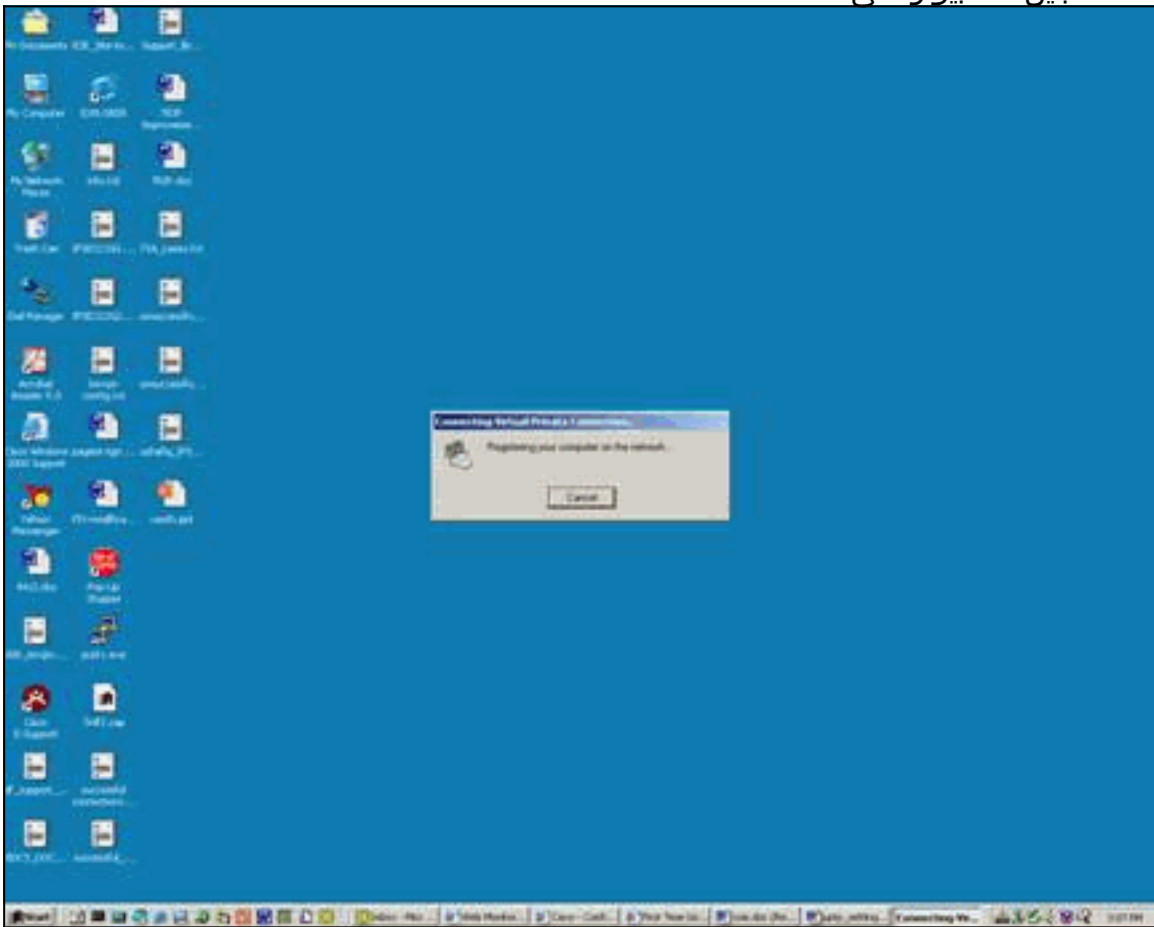
8. تحت شبكة (نوع من VPN نادل أن يكون دعاءت) أختار PPTP وانقر



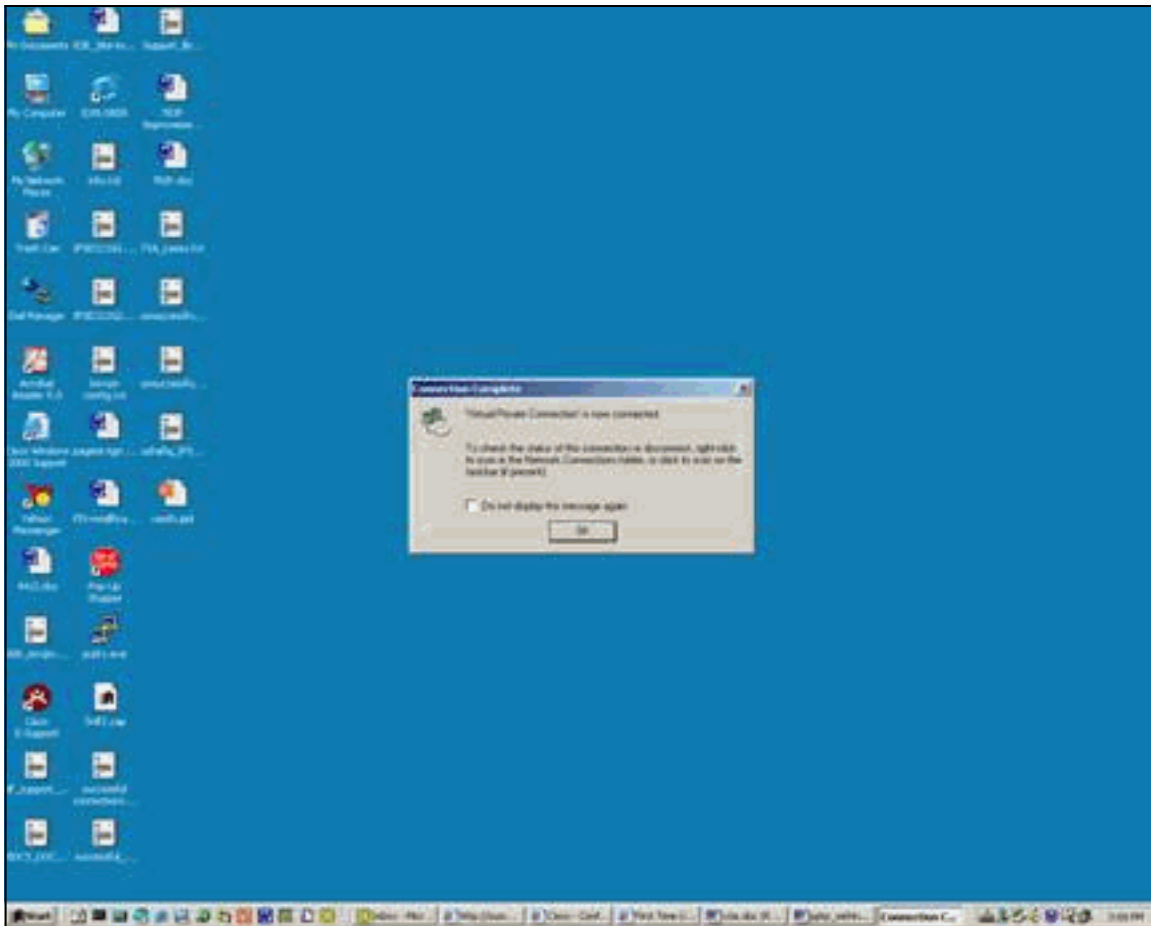
9. موافق. يظهر نافذة التحقق من اسم المستخدم وكلمة



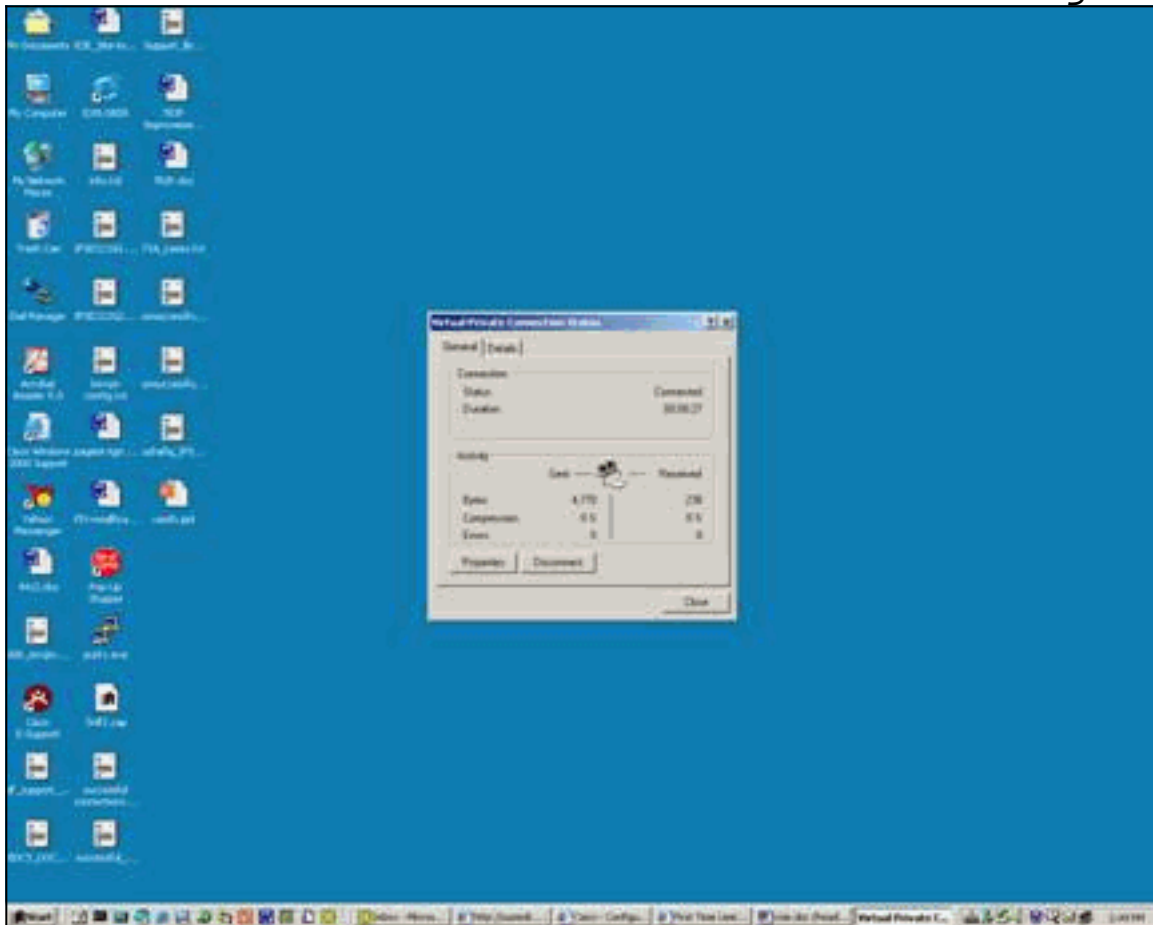
المرو-
10. تظهر نافذة تسجيل الكمبيوتر على



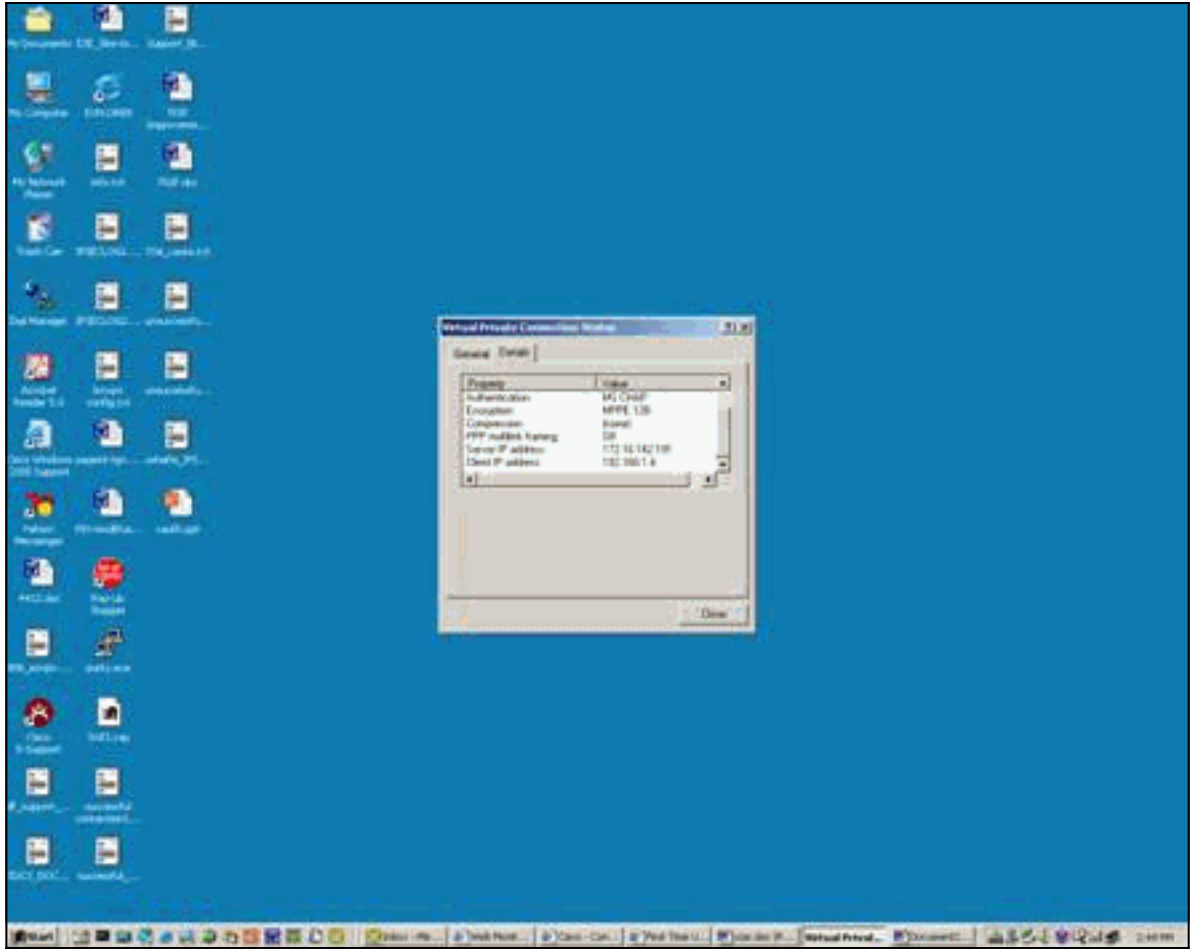
الشبكة.
11. يظهر إطار خصائص



الاتصالات.
12. تعرض هذه النوافذ حالة



التوصيل.



التحقق من الصحة

يوفر هذا القسم معلومات يمكنك استخدامها للتأكد من أن التكوين يعمل بشكل صحيح.

تدعم أداة مترجم الإخراج (للعلماء المسجلين فقط) بعض أوامر show. استخدم أداة مترجم الإخراج (OIT) لعرض تحليل مخرج الأمر `show`.

- `show debug`—يعرض أوامر `debug` الممكنة حالياً لاستكشاف الأخطاء وإصلاحها
 - `show user`—يعرض المستخدمين الذين تم تسجيل دخولهم حالياً وحالتهم
 - `show ip route connected`— يعرض الحالة الحالية لجدول التوجيه
 - `show vpdn`— يعرض معلومات حول نفق بروتوكول النفق للطبقة 2 (L2TP) أو نفق بروتوكول إعادة توجيه الطبقة 2 (L2F) ومعرفات الرسائل في شبكة اتصال خاصة ظاهرية (VPDN)
- هذا نموذج إخراج من الأمر `show debug`.

```
2621#show debug
```

```
:PPP
```

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

```
:VPN
```

```
VPDN events debugging is on
```

هذا هو إخراج تصحيح الأخطاء مع تكوين PPTP الأولي.

```
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 CONFREQ [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 CONFREQ [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#

```

هذا إخراج تصحيح الأخطاء مع تكوين MPPE و MS-CHAP المطلوب.

```

      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 CONFREQ [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 CONFREQ [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

```

عرض إخراج المستخدم هذا قبل تمكين MS-CHAP و MPPE.

```

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

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

```

هذا العرض مخرج المستخدم بعد تمكين MS-CHAP و MPPE.

```

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

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

```

يتم تمكين إخراج show ip route المتصل قبل MS-CHAP و MPPE.

```

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

```

يكون هذا العرض إخراج VPDN قبل تمكين MS-CHAP و 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
estabd	171.69.89.81	4737	1	1		3

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

No active PPPoE tunnels%

يكون إخراج show vpdn هذا بعد تمكين MS-CHAP و 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
estabd	171.69.89.81	4893	1	1		5

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

No active PPPoE tunnels%

استكشاف الأخطاء وإصلاحها

يوفر هذا القسم معلومات يمكنك استخدامها لاستكشاف أخطاء التكوين وإصلاحها.

أوامر استكشاف الأخطاء وإصلاحها

يتم دعم بعض أوامر العرض بواسطة أداة مترجم الإخراج (العملاء المسجلون فقط)، والتي تتيح لك عرض تحليل إخراج أمر العرض.

ملاحظة: ارجع إلى معلومات مهمة حول أوامر التصحيح قبل استخدام أوامر debug.

• مسح vpdn tunnel pptp —يستخدم لإيقاف نفق محدد وجميع الجلسات داخل النفق وبمسح نفق PPTP المحدد

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
```

عدم تطابق التشفير—إخراج تصحيح أخطاء الموجه الذي تم تكوينه للتشفير القوي 128 عند تكوين عميل VPN لتشفير 40 بت.

```
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 CONFREQ [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 CONFREQ [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*

```

عدم تطابق المصادقة— إخراج تصحيح أخطاء الموجه الذي تم تكوينه ل MS-CHAP وعميل VPN الذي تم تكوينه ل .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 CONFREQ [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*
(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*
```

معلومات ذات صلة

- [تكوين جدار حماية Cisco Secure PIX لاستخدام PPTP](#)
- [صفحة دعم PPTP](#)
- [الدعم التقني والمستندات - Cisco Systems](#)

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