

A conexão PPTP com a zona baseou o roteador de firewall com exemplo da configuração de NAT

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[Introdução](#)

Esta configuração de exemplo demonstra como configurar um roteador com firewall baseado em zona e uma configuração de NAT para servir como terminação de conexões do Point-to-Point Tunneling Protocol (PPTP).

[Pré-requisitos](#)

[Requisitos](#)

Não existem requisitos específicos para este documento.

[Componentes Utilizados](#)

As informações neste documento são baseadas nestas versões de software e hardware:

- Roteador Cisco 871
- Liberação 12.4T do Cisco IOS ® Software e mais tarde

As informações neste documento foram criadas a partir de dispositivos em um ambiente de laboratório específico. Todos os dispositivos utilizados neste documento foram iniciados com uma configuração (padrão) inicial. Se a sua rede estiver ativa, certifique-se de que entende o impacto potencial de qualquer comando.

Convenções

Consulte as [Convenções de Dicas Técnicas da Cisco](#) para obter mais informações sobre convenções de documentos.

Informações de Apoio

A rede interna tem um server que os usuários no Internet possam os alcançar uma vez sejam conectados com o PPTP que termina em um Internet que enfrenta o roteador. Todo acesso restante aos anfitriões na rede interna é negado dos usuários externos.

- Endereço IP de Um ou Mais Servidores Cisco ICM NT do servidor interno — 10.22.22.10
- Endereço IP de Um ou Mais Servidores Cisco ICM NT do cliente remoto PC — 10.66.83.50

O acesso irrestrito é permitido a todos os usuários na rede interna ao Internet. Estes usuários internos usam a PANCADINHA no roteador a fim alcançar o Internet. Todo o tráfego dos usuários internos é inspecionado na passagem através do roteador.

Configurar

Nesta seção, você encontrará informações para configurar os recursos descritos neste documento.

Nota: Use a [Command Lookup Tool \(somente clientes registrados\)](#) para obter mais informações sobre os comandos usados nesta seção.

Diagrama de Rede

Este documento utiliza a seguinte configuração de rede:

Configuração do roteador PPTP

Este documento usa esta configuração.

Estes comandos cisco ios são aplicáveis a todas as Plataformas que apoiam o PPTP.

```
Router#configure terminal Enter configuration commands, one per line. End with CNTL/Z. !---  
Enable virtual private dial-up networking. Router(config)#vpdn enable !--- Enters VPDN group  
configuration mode for the specified VPDN group. Router(config)#vpdn-group 1 !--- Enters VPDN  
accept-dialin configuration mode !--- and enables the router to accept dial-in requests.  
Router(config-vpdn)#accept-dialin !--- Specifies which PPTP protocol is used. Router(config-  
vpdn-acc-in)#protocol pptp !--- Specifies the virtual template that is used !--- in order to  
clone the virtual access interface. Router(config-vpdn-acc-in)#virtual-template 1 Router(config-  
vpdn-acc-in)#exit Router(config)#ip local pool defaultpool 192.168.100.1 192.168.100.254 !---  
Create virtual-template interface used for cloning !--- virtual-access interfaces with the use  
of address pool defaultpool !--- with Challenge Authentication Protocol (CHAP) authentication  
and MS-CHAP. Router(config)#interface virtual-template 1 Router(config-if)#encapsulation ppp  
Router(config-if)#peer default ip address pool defaultpool Router(config-if)#ip unnumbered  
FastEthernet4 Router(config-if)#ppp authentication chap ms-chap
```

Nota: Os comandos não-padrão são mostrados em **corajoso**.

Router

```

Router#show run Building configuration... Current
configuration : 3666 bytes ! version 12.4 no service pad
service timestamps debug datetime msec service
timestamps log datetime msec no service password-
encryption ! hostname Router ! boot-start-marker boot
system flash flash:c870-advsecurityk9-mz.124-20.T3.bin
boot-end-marker ! logging message-counter syslog enable
password cisco ! aaa new-model ! ! aaa authentication
login VTY local ! !--- Define local authentication for
PPP. ! aaa authentication ppp default local ! ! aaa
session-id common ! ! dot11 syslog ip source-route ! !
ip cef ip domain name cisco.com ! ! vpdn enable ! !---
Enable VDPN. ! vpdn-group PPTP-VPDN ! !---
Default PPTP
VPDN group. ! accept-dialin protocol pptp virtual-
template 1 ! ! !---
Defining local username and
password. ! username cisco privilege 15 password 0 cisco
! archive log config hidekeys ! ! ip ssh version 1 ! !--
- Defining Zone-Based Policy Firewall Class-Maps. !
class-map type inspect match-all PPTP-Pass-Through-
Traffic match access-group name PPTP-PASS-THROUGH class-
map type inspect match-any All-Traffic match protocol
tcp match protocol udp match protocol icmp class-map
type inspect match-all Router-Access-Traffic match
access-group name Router-Access class-map type inspect
match-all PPTP-Terminated-Traffic match access-group
name PPTP-TERMINATED ! ! !--- Defining Zone-Based Policy
Firewall Policy-Maps. ! policy-map type inspect PPTP-In-
Policy class type inspect All-Traffic inspect class
class-default drop policy-map type inspect Out-In-Policy
class type inspect PPTP-Pass-Through-Traffic pass class
class-default drop policy-map type inspect In-Out-Policy
class type inspect PPTP-Pass-Through-Traffic pass class
type inspect All-Traffic inspect class class-default
drop policy-map type inspect Out-Self-Policy class type
inspect Router-Access-Traffic pass class type inspect
PPTP-Terminated-Traffic pass class class-default drop !
!--- Defining the different zones. ! zone security
outside zone security inside zone security pptp ! !---
Defining the zone-pairs for different flows of traffic.
! zone-pair security outside-self source outside
destination self service-policy type inspect Out-Self-
Policy zone-pair security pptp-in source pptp
destination inside service-policy type inspect PPTP-In-
Policy zone-pair security inside-outside source inside
destination outside service-policy type inspect In-Out-
Policy ! ! interface FastEthernet0 ! interface
FastEthernet1 ! interface FastEthernet2 ! interface
FastEthernet3 ! interface FastEthernet4 description
"Connected to Outside Network" ip address 10.66.79.73
255.255.255.224 ! !---
Defines the interface as external
for NAT. ! ip nat outside ip virtual-reassembly ! !---
Defines the interface as part of the outside zone. !
zone-member security outside speed 100 full-duplex ! !--
- Create virtual-template interface used for cloning !--
- virtual-access interfaces with the use of address pool
defaultpool !--- with CHAP authentication and MS-CHAP. !
interface Virtual-Templat1 ip unnumbered FastEthernet4
! !--- Defines the interface as part of the pptp zone. !
zone-member security pptp peer default ip address pool
defaultpool ppp authentication chap ms-chap ! interface
Dot11Radio0 no ip address speed basic-1.0 basic-2.0
basic-5.5 6.0 9.0 basic-11.0 12.0 18.0 24.0 36.0 48.0
54.0 station-role root ! interface Vlan1 description
"Connected to Inside Network" ip address 10.22.22.1

```

```

255.255.255.0 ! !--- Defines the interface as internal
for NAT. ! ip nat inside ip virtual-reassembly ! !---
Defines the interface as part of the inside zone. !
zone-member security inside ! !--- Enable Create IP pool
named test and specify IP range. ! ip local pool
defaultpool 192.168.100.1 192.168.100.254 ip forward-
protocol nd ip route 0.0.0.0 0.0.0.0 10.66.79.65 no ip
http server no ip http secure-server ! !--- Indicates
that any packets received on the inside interface !---
matched by access list NO-NAT share one public IP
address (the !--- address on Fa4). !--- Note that
traffic from the internal network to the remote clients
!--- is not natted. ! ip nat inside source list NO-NAT
interface FastEthernet4 overload ! !--- Traffic from
internal network to remote clients is denied from !---
being natted. ! ip access-list extended NO-NAT deny ip
10.22.22.0 0.0.0.255 192.168.100.0 0.0.0.255 permit ip
10.22.22.0 0.0.0.255 any ! !--- Passing PPTP traffic
includes allowing GRE - IP protocol 47. ! ip access-list
extended PPTP-PASS-THROUGH permit gre any any ! !---
PPTP terminated traffic involves GRE and TCP port 1723
traffic. ! ip access-list extended PPTP-TERMINATED
permit gre any any permit tcp any any eq 1723 ! !---
Allowing Telnet, SSH and HTTPS access ! ip access-list
extended Router-Access permit tcp any any eq telnet
permit tcp any any eq 22 permit tcp any any eq 443 !
control-plane ! ! line con 0 no modem enable line aux 0
line vty 0 4 login authentication VTY transport input
telnet ssh ! scheduler max-task-time 5000 end

```

Configuração e ajustes de cliente de PPTP

Conclua estes passos:

1. Escolha o **Iniciar > configurações > conexões de rede e de dial-up > estabelecer nova conexão**.
2. Depois que o indicador do wizard de conexão de rede aparece, escolha o **tipo de conexão de rede > conectam à rede em meu local de trabalho e clicam em seguida**.
3. Escolha a **conexão de Virtual Private Network**.
4. Especifique um **nome de conexão**.
5. Especifique um endereço de destino no campo do host ou do endereço IP de Um ou Mais Servidores Cisco ICM NT e clique-o **em seguida**.
6. Escolha **conexões do começo > dos ajustes > da rede e de dial up** e selecione a conexão recentemente configurada.
7. Depois que este indicador aparece, escolha o **Propriedades > Segurança** a fim ajustar corretamente a opção.
8. Escolha **avançado (ajustes do cliente) > ajustes**, e escolha o nível e a autenticação apropriados da criptografia (criptografia de dados) (permita estes protocolos) se necessário.
9. Escolha **trabalhos em rede > tipo de VPN > PPTP VPN** e clique a **APROVAÇÃO**.
10. Incorpore o nome de usuário e senha a ser usado para a conexão PPTP.
11. O indicador de verificação do nome de usuário e senha aparece.
12. Registrar seu computador na janela de rede aparece.
13. Se você verifica o PC remoto, você obtém um endereço IP de Um ou Mais Servidores Cisco ICM NT do conjunto configurado.

Verificar

Use esta seção para confirmar se a sua configuração funciona corretamente.

A [Output Interpreter Tool \(apenas para clientes registrados\)](#) (OIT) suporta determinados comandos show. Use a OIT para exibir uma análise da saída do comando show.

1. Vpdn de Router#show%No active L2TP tunnels

```
PPTP Tunnel and Session Information Total tunnels 1 sessions 1
```

LocID	Remote Name	State	Remote Address	Port	Sessions	VPDN Group
3		estabd	10.66.83.50	1040	1	PPTP-VPDN
State	Last Chg	Uniq ID	3 32768	3	Vi2.1	cisco estabd 00:00:57 2

2. Router#show ip interface brief

Interface	IP-Address	OK?	Method	Status
Protocol				
FastEthernet0	unassigned	YES	unset	upup
FastEthernet1	unassigned	YES	unset	updown
FastEthernet2	unassigned	YES	unset	updown
FastEthernet3	unassigned	YES	unset	updown
FastEthernet4	10.66.79.73	YES	manual	upup
Dot11Radio0	unassigned	YES	unset	down down
SSLVPN-VIF0	unassigned	NO	unset	upup
Vlan1	10.22.22.1	YES	manual	upup
NVIO	unassigned	NO	unset	upup
Virtual-Templatel	10.66.79.73	YES	TFTP	downdown
Virtual-Access1	unassigned	YES	unset	downdown
Virtual-Access2	unassigned	YES	unset	upup
Virtual-Access2.1	10.66.79.73	YES	TFTP	up up

3. Rota de Router#show IP

```
Codes: C - connected, S - static, R - RIP, M - mobile, B - BGP  
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area  
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2  
E1 - OSPF external type 1, E2 - OSPF external type 2  
i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2  
ia - IS-IS inter area, * - candidate default, U - per-user static route  
o - ODR, P - periodic downloaded static route
```

```
Gateway of last resort is 10.66.79.65 to network 0.0.0.0
```

```
C 10.22.22.0/24 is directly connected, Vlan1  
10.0.0.0/27 is subnetted, 1 subnets  
C 10.66.79.64 is directly connected, FastEthernet4  
192.168.100.0/32 is subnetted, 1 subnets C 192.168.100.1 is directly connected,  
Virtual-Access2.1 S* 0.0.0.0/0 [1/0] via 10.66.79.65
```

4. Usuários de Router#show

Line	User	Host(s)	Idle	Location
* 0 con 0		00:00:00		

Interface	User	Mode	Idle	Peer Address
Vi2.1	cisco	PPPoVPDN -		192.168.100.1

5. Sibilo do cliente conectado ao servidor interno

6. O tipo do mapa de política de Router#show inspeciona sessões dos zona-pares

```
exists on zp outside-self  
Zone-pair: outside-self
```

```
Service-policy inspect : Out-Self-Policy
```

```
Class-map: Router-Access-Traffic (match-all)  
Match: access-group name Router-Access  
Pass
```

14 packets, 358 bytes

Class-map: PPTP-Terminated-Traffic (match-all) Match: access-group name PPTP-TERMINATED Pass 52 packets, 4466 bytes Class-map: class-default (match-any) Match: any Drop 21 packets, 1680 bytes policy exists on zp pptp-in Zone-pair: pptp-in Service-policy inspect : PPTP-In-Policy Class-map: All-Traffic (match-any) Match: protocol tcp 0 packets, 0 bytes 30 second rate 0 bps Match: protocol udp 0 packets, 0 bytes 30 second rate 0 bps Match: protocol icmp 1 packets, 40 bytes 30 second rate 0 bps Inspect Class-map: class-default (match-any) Match: any Drop 0 packets, 0 bytes policy exists on zp inside-outside Zone-pair: inside-outside Service-policy inspect : In-Out-Policy **Class-map: PPTP-Pass-Through-Traffic (match-all) Match: access-group name PPTP-PASS-THROUGH Pass 4 packets, 320 bytes** Class-map: All-Traffic (match-any) Match: protocol tcp 31 packets, 868 bytes 30 second rate 0 bps Match: protocol udp 20 packets, 1271 bytes 30 second rate 0 bps Match: protocol icmp 0 packets, 0 bytes 30 second rate 0 bps Inspect **Number of Half-open Sessions = 6 Half-open Sessions** Session 83B5B920 (10.22.22.10:2135)=>(10.66.79.245:443) https:tcp SIS_OPENING Created 00:00:26, Last heard 00:00:26 Bytes sent (initiator:responder) [0:0] Session 83B5BB20 (10.66.79.241:138)=>(10.66.79.255:138) netbios-dgm:udp SIS_OPENING Created 00:00:26, Last heard 00:00:13 Bytes sent (initiator:responder) [406:0] Session 83B5BD20 (192.168.212.14:138)=>(192.168.212.255:138) netbios-dgm:udp SIS_OPENING Created 00:00:23, Last heard 00:00:23 Bytes sent (initiator:responder) [233:0] Session 83B5C120 (10.22.22.10:2138)=>(10.66.79.245:443) https:tcp SIS_OPENING Created 00:00:19, Last heard 00:00:19 Bytes sent (initiator:responder) [0:0] Session 83B5C320 (10.22.22.10:2142)=>(10.66.79.245:443) https:tcp SIS_OPENING Created 00:00:12, Last heard 00:00:12 Bytes sent (initiator:responder) [0:0] Session 83B5C520 (10.22.22.10:2145)=>(10.66.79.245:443) https:tcp SIS_OPENING Created 00:00:05, Last heard 00:00:05 Bytes sent (initiator:responder) [0:0] Class-map: class-default (match-any) Match: any Drop 0 packets, 0 bytes

7. Eliminação de erros de Router#showPPP:

PPP authentication debugging is on
PPP protocol negotiation debugging is on
VPN:
VPDN events debugging is on

```
!--- When the PPTP User is connecting *Mar 13 02:22:40.535: VPDN Received L2TUN socket
message <xCRQ - Session Incoming> *Mar 13 02:22:40.547: VPDN Tnl/Sn 2 2 L2TUN socket
session accept requested *Mar 13 02:22:40.547: VPDN Tnl/Sn 2 2 Setting up dataplane for L2-
L2, no idb *Mar 13 02:22:40.567: VPDN Received L2TUN socket message <xCCN - Session
Connected> *Mar 13 02:22:40.595: VPDN uid:1 VPDN session up *Mar 13 02:22:40.607: ppp1 PPP:
Send Message[Dynamic Bind Response] *Mar 13 02:22:40.607: ppp1 PPP: Using vpn set call
direction *Mar 13 02:22:40.607: ppp1 PPP: Treating connection as a callin *Mar 13
02:22:40.607: ppp1 PPP: Session handle[8000003] Session id[1] *Mar 13 02:22:40.607: ppp1
PPP: Phase is ESTABLISHING, Passive Open *Mar 13 02:22:40.607: ppp1 LCP: State is Listen
*Mar 13 02:22:42.563: ppp1 LCP: I CONFREQ [Listen] id 1 len 21 *Mar 13 02:22:42.563: ppp1
LCP: MRU 1400 (0x01040578) *Mar 13 02:22:42.563: ppp1 LCP: MagicNumber 0x069878CA
(0x0506069878CA) *Mar 13 02:22:42.563: ppp1 LCP: PFC (0x0702) *Mar 13 02:22:42.563: ppp1
LCP: ACFC (0x0802) *Mar 13 02:22:42.563: ppp1 LCP: Callback 6 (0x0D0306) *Mar 13
02:22:42.563: ppp1 PPP: Authorization NOT required *Mar 13 02:22:42.563: ppp1 LCP: O
CONFREQ [Listen] id 1 len 15 *Mar 13 02:22:42.563: ppp1 LCP: AuthProto CHAP (0x0305C22305)
*Mar 13 02:22:42.563: ppp1 LCP: MagicNumber 0x14AF18DB (0x050614AF18DB) *Mar 13
02:22:42.563: ppp1 LCP: O CONFREQ [Listen] id 1 len 7 *Mar 13 02:22:42.563: ppp1 LCP:
Callback 6 (0x0D0306) *Mar 13 02:22:42.567: ppp1 LCP: I CONFACK [REQsent] id 1 len 15 *Mar
13 02:22:42.567: ppp1 LCP: AuthProto CHAP (0x0305C22305) *Mar 13 02:22:42.567: ppp1 LCP:
MagicNumber 0x14AF18DB (0x050614AF18DB) *Mar 13 02:22:42.567: ppp1 LCP: I CONFREQ [ACKrcvd]
id 2 len 18 *Mar 13 02:22:42.567: ppp1 LCP: MRU 1400 (0x01040578) *Mar 13 02:22:42.567:
ppp1 LCP: MagicNumber 0x069878CA (0x0506069878CA) *Mar 13 02:22:42.567: ppp1 LCP: PFC
(0x0702) *Mar 13 02:22:42.567: ppp1 LCP: ACFC (0x0802) *Mar 13 02:22:42.567: ppp1 LCP: O
CONFNAK [ACKrcvd] id 2 len 8 *Mar 13 02:22:42.567: ppp1 LCP: MRU 1500 (0x010405DC) *Mar 13
02:22:42.571: ppp1 LCP: I CONFREQ [ACKrcvd] id 3 len 18 *Mar 13 02:22:42.571: ppp1 LCP: MRU
1400 (0x01040578) *Mar 13 02:22:42.571: ppp1 LCP: MagicNumber 0x069878CA (0x0506069878CA)
*Mar 13 02:22:42.571: ppp1 LCP: PFC (0x0702) *Mar 13 02:22:42.571: ppp1 LCP: ACFC (0x0802)
*Mar 13 02:22:42.571: ppp1 LCP: O CONFNAK [ACKrcvd] id 3 len 8 *Mar 13 02:22:42.571: ppp1
LCP: MRU 1500 (0x010405DC) *Mar 13 02:22:42.571: ppp1 LCP: I CONFREQ [ACKrcvd] id 4 len 18
*Mar 13 02:22:42.571: ppp1 LCP: MRU 1500 (0x010405DC) *Mar 13 02:22:42.571: ppp1 LCP:
```

MagicNumber 0x069878CA (0x0506069878CA) *Mar 13 02:22:42.571: ppp1 LCP: PFC (0x0702) *Mar 13 02:22:42.571: ppp1 LCP: ACFC (0x0802) *Mar 13 02:22:42.575: ppp1 LCP: O CONFACK [ACKrcvd] id 4 len 18 *Mar 13 02:22:42.575: ppp1 LCP: MRU 1500 (0x010405DC) *Mar 13 02:22:42.575: ppp1 LCP: MagicNumber 0x069878CA (0x0506069878CA) *Mar 13 02:22:42.575: ppp1 LCP: PFC (0x0702) *Mar 13 02:22:42.575: ppp1 LCP: ACFC (0x0802) *Mar 13 02:22:42.575: ppp1 LCP: State is Open *Mar 13 02:22:42.575: ppp1 PPP: Phase is AUTHENTICATING, by this end *Mar 13 02:22:42.575: ppp1 CHAP: O CHALLENGE id 1 len 33 from "Router" *Mar 13 02:22:42.575: ppp1 LCP: I IDENTIFY [Open] id 5 len 18 magic 0x069878CA MSRASV5.10 *Mar 13 02:22:42.579: ppp1 LCP: I IDENTIFY [Open] id 6 len 31 magic 0x069878CA MSRAS-0-WINXP-RIKNIIGHT- *Mar 13 02:22:42.579: ppp1 CHAP: I RESPONSE id 1 len 26 from "cisco" *Mar 13 02:22:42.579: ppp1 PPP: Phase is FORWARDING, Attempting Forward *Mar 13 02:22:42.579: ppp1 PPP: Phase is AUTHENTICATING, Unauthenticated User *Mar 13 02:22:42.579: ppp1 PPP: Sent CHAP LOGIN Request *Mar 13 02:22:42.583: ppp1 PPP: Received LOGIN Response PASS *Mar 13 02:22:42.583: ppp1 PPP: Phase is FORWARDING, Attempting Forward *Mar 13 02:22:42.583: ppp1 PPP: Send Message[Connect Local] L2X_ADJ: Vi2.1:midchain adj reqd for ip 0.0.0.0, cid 0 L2X_ADJ: Vi2.1:midchain adj reqd for ip 0.0.0.0, cid 0 *Mar 13 02:22:42.619: VPDN Vi2.1 Virtual interface created for unknown, bandwidth 100000 Kbps *Mar 13 02:22:42.619: VPDN Vi2.1 Setting up dataplane for L2-L3, Vi2.1 *Mar 13 02:22:42.623: %LINK-3-UPDOWN: Interface Virtual-Access2, changed state to up L2X_ADJ: Vi2.1:allocated ctx, size 1 *Mar 13 02:22:42.627: VPDN Received L2TUN socket message <Dataplane UP> *Mar 13 02:22:42.627: ppp1 PPP: Bind to [Virtual-Access2.1] *Mar 13 02:22:42.631: Vi2.1 PPP: Send Message[Static Bind Response] *Mar 13 02:22:42.631: Vi2.1 PPP: Phase is AUTHENTICATING, Authenticated User *Mar 13 02:22:42.631: Vi2.1 CHAP: O SUCCESS id 1 len 4 *Mar 13 02:22:42.635: Vi2.1 PPP: Phase is UP *Mar 13 02:22:42.639: Vi2.1 IPCP: O CONFREQ [Closed] id 1 len 10 *Mar 13 02:22:42.639: Vi2.1 IPCP: Address 10.66.79.73 (0x03060A424F49) *Mar 13 02:22:42.639: Vi2.1 PPP: Process pending ncp packets *Mar 13 02:22:42.643: Vi2.1 CCP: I CONFREQ [Not negotiated] id 7 len 10 *Mar 13 02:22:42.643: Vi2.1 CCP: MS-PPC supported bits 0x01000001 (0x120601000001) *Mar 13 02:22:42.643: Vi2.1 LCP: O PROTREJ [Open] id 2 len 16 protocol CCP (0x80FD0107000A120601000001) *Mar 13 02:22:42.643: Vi2.1 IPCP: I CONFREQ [REQsent] id 8 len 34 *Mar 13 02:22:42.643: Vi2.1 IPCP: Address 0.0.0.0 (0x030600000000) *Mar 13 02:22:42.643: Vi2.1 IPCP: PrimaryDNS 0.0.0.0 (0x810600000000) *Mar 13 02:22:42.643: Vi2.1 IPCP: PrimaryWINS 0.0.0.0 (0x820600000000) *Mar 13 02:22:42.643: Vi2.1 IPCP: SecondaryDNS 0.0.0.0 (0x830600000000) *Mar 13 02:22:42.643: Vi2.1 IPCP: SecondaryWINS 0.0.0.0 (0x840600000000) *Mar 13 02:22:42.643: Vi2.1 IPCP: Pool returned 192.168.100.1 *Mar 13 02:22:42.643: Vi2.1 IPCP: O CONFREQ [REQsent] id 8 len 28 *Mar 13 02:22:42.647: Vi2.1 IPCP: PrimaryDNS 0.0.0.0 (0x810600000000) *Mar 13 02:22:42.647: Vi2.1 IPCP: PrimaryWINS 0.0.0.0 (0x820600000000) *Mar 13 02:22:42.647: Vi2.1 IPCP: SecondaryDNS 0.0.0.0 (0x830600000000) *Mar 13 02:22:42.647: Vi2.1 IPCP: SecondaryWINS 0.0.0.0 (0x840600000000) *Mar 13 02:22:42.647: Vi2.1 IPCP: I CONFACK [REQsent] id 1 len 10 *Mar 13 02:22:42.647: Vi2.1 IPCP: Address 10.66.79.73 (0x03060A424F49) *Mar 13 02:22:42.647: Vi2.1 IPCP: I CONFREQ [ACKrcvd] id 9 len 10 *Mar 13 02:22:42.651: Vi2.1 IPCP: Address 0.0.0.0 (0x030600000000) *Mar 13 02:22:42.651: Vi2.1 IPCP: O CONFNAK [ACKrcvd] id 9 len 10 *Mar 13 02:22:42.651: Vi2.1 IPCP: Address 192.168.100.1 (0x0306C0A86401) *Mar 13 02:22:42.651: Vi2.1 IPCP: I CONFREQ [ACKrcvd] id 10 len 10 *Mar 13 02:22:42.651: Vi2.1 IPCP: Address 192.168.100.1 (0x0306C0A86401) *Mar 13 02:22:42.651: Vi2.1 IPCP: O CONFACK [ACKrcvd] id 10 len 10 *Mar 13 02:22:42.651: Vi2.1 IPCP: Address 192.168.100.1 (0x0306C0A86401) *Mar 13 02:22:42.651: Vi2.1 IPCP: State is Open L2X_ADJ: Vi2.1:adj notify change, event 2 L2X_ADJ: Vi2.1:midchain stacking IP 0.0.0.0 to 10.66.83.50 (VRF 0) L2X_ADJ: Vi2.1:adj notify change, event 8 L2X_ADJ: Vi2.1:adj notify change, event 3 *Mar 13 02:22:42.655: Vi2.1 IPCP: Install route to 192.168.100.1 *Mar 13 02:22:43.623: %LINEPROTO-5-UPDOWN: Line protocol on Interface Virtual-Access2, changed state to up !--- When the PPTP User is disconnecting *Mar 13 02:23:05.571: Vi2.1 LCP: I TERMREQ [Open] id 11 len 16 (0x069878CA003CCD7400000000) *Mar 13 02:23:05.571: Vi2.1 LCP: O TERMACK [Open] id 11 len 4 *Mar 13 02:23:05.575: Vi2.1 PPP: Sending Acct Event[Down] id[4] *Mar 13 02:23:05.575: Vi2.1 PPP: Phase is TERMINATING *Mar 13 02:23:05.779: VPDN Received L2TUN socket message <CDN - Session Disconnected> *Mar 13 02:23:05.779: VPDN Vi2.1 disconnect (AAA) IETF: 1/user-request Ascend: 28/PPP Receive Term *Mar 13 02:23:05.779: VPDN Vi2.1 vpdn shutdown session, result=2, error=6, vendor_err=0, syslog_error_code=2, syslog_key_type=1 *Mar 13 02:23:05.779: VPDN Vi2.1 VPDN/AAA: accounting stop sent *Mar 13 02:23:05.783: VPDN Vi2.1 Unbinding session from idb *Mar 13 02:23:05.783: Vi2.1 VPDN: Resetting interface *Mar 13 02:23:05.783: Vi2.1 PPP: Block vaccess from being freed [0x19] *Mar 13 02:23:05.783: Vi2.1 PPP: Received Disconnect from Lower Layer L2X_ADJ: Vi2.1:midchain unstacking IP 0.0.0.0 L2X_ADJ: Vi2.1:adj notify change, event 8 L2X_ADJ: Vi2.1:removed ctx *Mar 13 02:23:05.807: Vi2.1 LCP: State is Closed *Mar 13 02:23:05.807: Vi2.1 PPP: Phase is DOWN *Mar 13 02:23:05.807: Vi2.1 IPCP: State is Closed *Mar 13

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02:23:05.807: Vi2.1 PPP: Unlocked by [0x1] Still Locked by [0x18] *Mar 13 02:23:05.807:
Vi2.1 PPP: Unlocked by [0x10] Still Locked by [0x8] *Mar 13 02:23:05.811: Vi2.1 PPP:
Unlocked by [0x8] Still Locked by [0x0] *Mar 13 02:23:05.811: Vi2.1 PPP: Free previously
blocked vaccess
```

Troubleshooting

Esta seção fornece informações que podem ser usadas para o troubleshooting da sua configuração.

1. Certifique-se de que o tráfego destinado ao roteador permite a porta TCP 1723 e o tráfego GRE.
2. Certifique-se de que a passagem PPTP com o tráfego permite o GRE através do roteador.
3. Seja cuidadoso do defeito CSCsr41631; isto é superado com o uso de zonas diferentes para a interface externa e a interface de molde virtual.

Informações Relacionadas

- [Cisco IOS Firewall](#)
- [Suporte Técnico e Documentação - Cisco Systems](#)