Configuration d'une session PPPoE à partir d'une machine Windows vers un routeur Cisco

Contenu

Introduction Conditions préalables Conditions requises Components Used Configuration Diagramme du réseau Configurations Configuration BRAS Configurations et paramètres Windows Machine Vérification Dépannage Informations connexes

Introduction

Ce document décrit la procédure à suivre pour configurer une connexion point à point sur Ethernet (PPPoE) entre une machine Windows (qui agit en tant que client PPPoE) et un routeur Cisco qui agit en tant que serveur PPPoE.

Conditions préalables

Conditions requises

Cisco recommande que vous connaissiez la connectivité de bout en bout de la couche 1 avec la priorité utilisateur (UP).

Components Used

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

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.

Configuration

Diagramme du réseau

Ce document utilise la configuration réseau qui est affichée sur l'image :



bba-group pppoe BBA-TEST virtual-template 10

```
interface GigabitEthernet0/0/1.47
encapsulation dot1Q 1 native
pppoe enable group BBA-TEST
end
1
interface Virtual-Template10
ip unnumbered Loopback10
peer default ip address pool local
! Calling three named AAA Method lists configured above under this Virtual Template
ppp authentication pap chap PPPOE-METD
ppp authorization PPPOE-AUTHOR-METD
ppp accounting PPPOE-ACCT-METD
end
1
ip local pool local 192.168.1.2 192.168.1.10
1
interface Loopback10
ip address 192.168.1.1 255.255.255.255
end
1
```

Configurations et paramètres Windows Machine

1

Exécutez ces étapes pour lancer une session PPPoE à partir d'un ordinateur Windows qui agit en tant que client PPPoE.

Étape 1. Ouvrez **Centre Réseau et partage** et cliquez sur **Configurer une nouvelle connexion ou un nouveau réseau** comme indiqué dans l'image.

Network and Sharing Center	-DX
💽 💱 • Control Panel • Network and Internet • Network and Sharing Center 🔹 😭 Search Control Panel	
Elle Edit View Icols Help	
Control Panel Home View your basic network information and set up connections	
Change adapter settings 🛛 🙀 👔 See full m	ap
Change advanced sharing settings ADMIN-PC Network 7 Internet (This computer)	
View your active networks Connect or disconnect	sct
Network 7 Access type: Internet Work network Connections: © Local Area Connection 6	
Change your networking settings	- 1
Set up a new connection or network. Set up a wireless, bloodband, dial-up, ad hoc, or VPN connection; or set up a router or access point.	
Connect to a network Connect or reconnect to a wireless, wired, dial-up, or VPN network connection.	
Choose homegroup and sharing options Access files and printers located on other network computers, or change sharing settings.	
Troubleshoot problems Diagnose and repair network problems, or get troubleshooting information.	
See also	
HomeGroup	
Internet Options	
Windows Firewall	

Étape 2. Comme l'illustre l'image, sélectionnez Se connecter à Internet et cliquez sur Suivant.



Étape 3. Sélectionnez Configurer une nouvelle connexion, comme l'illustre l'image :

Retwork and Sharing Center	
🕐 💱 • Control Panel • Network and Internet • Network and Sharing Center 🔹 😰 Se	arch Control Panel 🗾 😥
File Edit View Tools Help	
Control Panel Home View your basic network information and set up connections	0
	See ful map
Change adapter settings	
Ca 💿 Connect to the Internet	
	Connect or disconnect
You are already connected to the Internet	
	nection 6
	access point.
-> Browse the Internet now	
Set up a new connection anyway	в .
See also HomeGra	
Internet (1
Windows	

Étape 4. Sélectionnez Non, créez une nouvelle connexion, comme illustré dans l'image :

Network 4	and Sharing Center		×
00	😵 🔹 Control Panel 👻 Network and Internet 👻 Network and Sharing Center	 Search Control Panel 	2
File Edit	View Tools Help		
Control P	Panel Home View your basic natwork information and rat up connect	tions	0
-		See full map	
Change a	adapter settings		
Change a			
	Connect to the internet	Connect or disconnect	
	Do you want to use a connection that you already have?		
	bo you mane to use a connection that you an easy maren	bertino 6	
	No, greate a new connection		
	C Yes, I'll choose an gxisting connection		
		access point.	
	PPPoE-FINAL WAN Miningert (PPPOE)		
		p.	
See also			
HomeGro	×		
Internet (c	Next Cancel	
Windows			

Étape 5. Comme l'illustre l'image, cliquez sur Broadband (PPPoE) :

Retwork and Sharing Center	_ [] ×
🕐 😵 • Control Panel • Network and Internet • Network and Sharing Center 🔹 😭 Search	a Control Panel 😥
File Edit View Tools Help	
Control Panel Home View your basic network information and set up connections	0
Change adapter settings 🙀 ——— 🌗 ——— 🎱	See full map
Change a 📢 Connect to the Internet	
Connect to the Internet	Connect or disconnect
How do you want to connect?	
	hection 6
Broadband (PPPoE)	
Connect using USL or cable that requires a user hane and password.	
	access point.
	ps.
See also	
Heip me choose	
Internet (-
Windows	

Étape 6. Comme l'illustre l'image, entrez le **nom d'utilisateur, le mot de passe** et un **nom de connexion,** puis cliquez sur **Connectez-vous.**

Network a	nd Sharing Center				- 🗆 ×
00	😵 🔹 Control Panel 👻 Network and	Internet • Network and Sharing Center	÷ 🔛	Search Control Panel	2
File Edit \	view Tools Help				
Control Pa	nel Home View	your basic network information and set up o	onnections		•
	factor colliner	· · · · · · · · · · · · · · · · · · ·		See full map	
Change at Change at	Connect to the Internet				
	Connect to the Inter	net			
		nex .		Connect or disconnect	
	Type the information fro	om your Internet service provider (ISP)			
			_	hection 6	
	User name:	cisco			
	Password	[Password your ISP gave you]	-		
	Farmerer.	E Showshandow			
		Snow characters Permember this parameter		access point.	
		1 Demember dis password			
	Connection name:	PPPOE-USER			
				5.	
	😌 🥅 Allow other peop	le to use this connection			
	This option allow	s anyone with access to this computer to use thi	s connection.		
See also	I don't have an ISP				
HomeGrov					
Internet (Connect, Ca	ncel	
Windows					

Ceci initie une session PPPoE vers le serveur. Vérifiez la section de vérification comme l'illustre l'image :

Network and Sharing Cente	er			_0×
Control Pane	el • Network and Internet • Network and Sharing Center	💌 🚺 S	earch Control Panel	2
File Edit View Tools Hel	p.			
Control Panel Home	View your basic network information and set up connections			0 –
		6	See full map	
Change adapter settings	in Telescol			
Change a Connect to th	re incerned			
Conne	set to the Internet		Connect or disconnect	
Testing v	our Internet connection			
			hection 6	
	· · · · · · · · · · · · · · · · · · ·			
	~~~ <u> </u>		ess	
			access point.	
See also				
HomeGrov			<b>p</b> .	
Internet (	94	Cance	4 1	
Windows		2		_

## Vérification

Étape 1. Ouvrez à nouveau l'onglet **Réseaux**, sélectionnez le réseau (nommé PPPOE-USER dans cet exemple) et vérifiez l'état. Cliquez sur **Connect** pour lancer une session après avoir saisi le nom d'utilisateur et le mot de passe, comme illustré dans l'image :

Network and Sharing Center				_101 ×
Control Panel - Net	work and Internet + Network and Sharing Center	- 6	Search Control Panel	<u> 1</u>
File Edit View Tools Help				
Control Panel Home	Yiew your basic network information and set up co	nections		
	<b>A</b>		See full map	
Change adapter settings	Mar 1999		Sec. 1	
Change advanced sharing settings	ADMIN-PC Network 7 (This computer)		Internet	
	View your active networks		Connect or disconnect	
	Network 7	Access type: In	iternet	
	Work network	Connections: 📮 Lo	ocal Area Connection 6	
	Change your pelworking settings	1		
	Set up a new consection or network			
	Set up a wireless, broadband, dial-up, ad hoc, or	VPN connection; or set u	up a router or access point.	
			Currently connected to:	47
	Connect to a network		Network 7	
	Connect or reconnect to a wireless, wired, dia-u	p, or vew network conne	Internet access	
	Choose homegroup and sharing options			100
	Access files and printers located on other netwo	k computers, or change :	Dial-up and VPN	<u> </u>
	Troubleshoot exchience		PPPOE-USER	4
	Diagnose and repair network problems, or get th	subleshooting information	n n	Connect
See also				Touncer
HomeGroup			PPPoE-FINAL	
Internet Options			PPP-1	31
Windows Firewall				
		1	pppoe	ų,
		(non 10.76		
	TETP Server:	¥10.1		
	TFTP Userlpa:	ss: tftpu		
			Open Network and Sharin	g Center

Network and Sharing Center				_O×
Control Panel - Nel	twork and Internet  • Network and Sharing Co	enter	<ul> <li>Search Control Panel</li> </ul>	2
File Edit View Tools Help				
Control Panel Home	View your basic network information	n and set up connect	tions	0
Change adapter settings	A	- 🌆 -	See ful map	
Change advanced sharing settings	ADMIN-PC (This computer)	Network 7	Internet	
	View your active networks		Connect or disconnect	
	Tonnect PPPDE-USER		ss type: Internet	
			ections: 🔋 Local Area Connection 6	
			vection; or set up a router or access point.	
	User name: cisco		network connection.	
	Password:		rs, or change sharing settings.	
R	Save this user name and password to     C Me only	r the following users:	ting information	
See also	😵 C Anyone who uses this computer		ang in ornidoon.	
HomeGroup				
Internet Options	Connect Cancel Prgp	erties <u>H</u> elp		
Windows Firewall				

Étape 2. Ouvrez l'invite de commandes et exécutez la commande **ipconfig /all** pour vérifier l'adresse IP négociée, comme illustré dans l'image :

PPF	adapter	PPPOE	3-US	ER								
	Connecti Descript	on-spe ion .	cif	ic	DN	lS	Su	ff.	i) ·	< _	:	PPPOE-USER
	Physical DHCP Ena Autoconf	Addre bled. igurat	iss.	Ēr	ial	jie	d	-	:	-	-	No Yes
	IPv4 Add Subnet M	ress. ask .	•••									192.168.1.2(Preferred) 255.255.255.255
	Default DNS Serve NetBIOS	Gatewa ers . over 1	iy . İcni	- - n-	•	•	•	•	•	•	•	0.0.0.0 10.76.77.50 Disabled

Étape 3. Activez **debug pppoe event, debug pppoe error** et **debug ppp negotiation** pour vérifier l'établissement de la session PPPoE. Nous pouvons également activer **debug radius** pour voir les messages échangés avec le serveur Radius.

BRAS#show debugging

PPP: PPP protocol negotiation debugging is on PPPoE: PPPoE protocol events debugging is on PPPoE protocol errors debugging is on Debug snippet:

BRAS# *Sep 19 18:44:14.531: PPPoE 0: I PADI R:0050.56ad.7206 L:ffff.ffff.ffff Gi0/0/1.47

! Receiving PPPoE Active Discovery Initiation (PADI) broadcast packet from Windows Machine (MAC 0050.56ad.7206) on Router interface Gi0/0/1.47

*Sep 19 18:44:14.531: Service tag: NULL Tag *Sep 19 18:44:14.531: PPPoE 0: O PADO, R:d867.d99f.6601 L:0050.56ad.7206 Gi0/0/1.47

! Sending PPPoE Active Discovery Offer (PADO) unicast packet from Router interface Gi0/0/1.47 (MAC d867.d99f.6601 ) to Windows Machine (MAC 0050.56ad.7206)

*Sep 19 18:44:14.531: Service tag: NULL Tag *Sep 19 18:44:14.533: PPPoE 0: I PADR R:0050.56ad.7206 L:d867.d99f.6601 Gi0/0/1.47

! Receiving PPPoE Active Discovery Request (PADR) unicast packet from Windows Machine (MAC 0050.56ad.7206) on Router interface Gi0/0/1.47

*Sep 19 18:44:14.533: Service tag: NULL Tag *Sep 19 18:44:14.533: PPPoE : encap string prepared *Sep 19 18:44:14.533: [76]PPPoE 63: Access IE handle allocated *Sep 19 18:44:14.533: [76]PPPoE 63: AAA get retrieved attrs *Sep 19 18:44:14.533: [76]PPPoE 63: AAA get nas port details *Sep 19 18:44:14.533: [76]PPPoE 63: Error adjusting nas port format did *Sep 19 18:44:14.533: [76]PPPoE 63: AAA get dynamic attrs *Sep 19 18:44:14.533: [76]PPPoE 63: AAA unique ID 88 allocated *Sep 19 18:44:14.533: [76]PPPoE 63: No AAA accounting method list *Sep 19 18:44:14.534: [76]PPPoE 63: Service request sent to SSS *Sep 19 18:44:14.534: [76]PPPoE 63: Created, Service: None R:d867.d99f.6601 L:0050.56ad.7206 Gi0/0/1.47 *Sep 19 18:44:14.534: [76]PPPOE 63: State NAS_PORT_POLICY_INQUIRY Event SSS MORE KEYS *Sep 19 18:44:14.534: PPP: Alloc Context [7FE79EC0D8C8] *Sep 19 18:44:14.534: ppp76 PPP: Phase is ESTABLISHING *Sep 19 18:44:14.534: [76]PPPoE 63: data path set to PPP *Sep 19 18:44:14.534: [76]PPPOE 63: Segment (SSS class): PROVISION

! We can also enable 'debug sss events' and 'debug sss error' to debug this stage

*Sep 19 18:44:14.534: [76]PPPoE 63: State PROVISION_PPP Event SSM PROVISIONED *Sep 19 18:44:14.534: [76]PPPoE 63: O PADS R:0050.56ad.7206 L:d867.d99f.6601 Gi0/0/1.47

! Sending PPPoE Active Discovery Session Confirmation (PADS) unicast packets from Router interface Gi0/0/1.47 (MAC d867.d99f.6601 ) to Windows Machine (MAC 0050.56ad.7206)

*Sep 19 18:44:14.534: [76]PPPoE 63: Unable to Add ANCP Line attributes to the PPPoE Authen attributes

! Access Node Control Protocol (ANCP) is configured between the Digital Subscriber Line Access Concentrator (DSLAM) and Broadband Remote Access Server (BRAS), which is used to aggregate traffic from multiple subscribers and deliver information for any application independently. More information related to ANCP could be found here. It is expected for the IOS to print this message even if ANCP is not enabled.

*Sep 19 18:44:14.534: ppp76 PPP: Using vpn set call direction *Sep 19 18:44:14.534: ppp76 PPP: Treating connection as a callin *Sep 19 18:44:14.534: ppp76 PPP: Session handle[8800004C] Session id[76] *Sep 19 18:44:14.534: ppp76 LCP: Event[OPEN] State[Initial to Starting] *Sep 19 18:44:14.534: ppp76 PPP LCP: Enter passive mode, state[Stopped] *Sep 19 18:44:14.539: ppp76 LCP: I CONFREQ [Stopped] id 0 len 21 *Sep 19 18:44:14.539: ppp76 LCP: MRU 1480 (0x010405C8) *Sep 19 18:44:14.539: ppp76 LCP: MagicNumber 0x61EB5A46 (0x050661EB5A46) *Sep 19 18:44:14.539: ppp76 LCP: PFC (0x0702) *Sep 19 18:44:14.539: ppp76 LCP: ACFC (0x0802) *Sep 19 18:44:14.539: ppp76 LCP: Callback 6 (0x0D0306) *Sep 19 18:44:14.539: ppp76 LCP: O CONFREQ [Stopped] id 1 len 18 *Sep 19 18:44:14.539: ppp76 LCP: MRU 1492 (0x010405D4) *Sep 19 18:44:14.539: ppp76 LCP: AuthProto PAP (0x0304C023) *Sep 19 18:44:14.539: ppp76 LCP: MagicNumber 0x7B063BEA (0x05067B063BEA) *Sep 19 18:44:14.539: ppp76 LCP: O CONFREJ [Stopped] id 0 len 7 *Sep 19 18:44:14.539: ppp76 LCP: Callback 6 (0x0D0306) *Sep 19 18:44:14.539: ppp76 LCP: Event[Receive ConfReq-] State[Stopped to REQsent] *Sep 19 18:44:14.540: ppp76 LCP: I CONFACK [REQsent] id 1 len 18 *Sep 19 18:44:14.540: ppp76 LCP: MRU 1492 (0x010405D4) *Sep 19 18:44:14.540: ppp76 LCP: AuthProto PAP (0x0304C023) *Sep 19 18:44:14.540: ppp76 LCP: MagicNumber 0x7B063BEA (0x05067B063BEA) *Sep 19 18:44:14.540: ppp76 LCP: Event[Receive ConfAck] State[REQsent to ACKrcvd] *Sep 19 18:44:14.540: ppp76 LCP: I CONFREQ [ACKrcvd] id 1 len 18 *Sep 19 18:44:14.540: ppp76 LCP: MRU 1480 (0x010405C8) *Sep 19 18:44:14.540: ppp76 LCP: MagicNumber 0x61EB5A46 (0x050661EB5A46) *Sep 19 18:44:14.540: ppp76 LCP: PFC (0x0702) *Sep 19 18:44:14.540: ppp76 LCP: ACFC (0x0802) *Sep 19 18:44:14.540: ppp76 LCP: O CONFACK [ACKrcvd] id 1 len 18 *Sep 19 18:44:14.540: ppp76 LCP: MRU 1480 (0x010405C8) *Sep 19 18:44:14.540: ppp76 LCP: MagicNumber 0x61EB5A46 (0x050661EB5A46) *Sep 19 18:44:14.540: ppp76 LCP: PFC (0x0702) *Sep 19 18:44:14.540: ppp76 LCP: ACFC (0x0802) *Sep 19 18:44:14.540: ppp76 LCP: Event[Receive ConfReq+] State[ACKrcvd to Open] *Sep 19 18:44:14.541: ppp76 LCP: I IDENTIFY [Open] id 2 len 18 magic 0x61EB5A46MSRASV5.20 *Sep 19 18:44:14.541: ppp76 LCP: I IDENTIFY [Open] id 3 len 24 magic 0x61EB5A46MSRAS-0-ADMIN-PC *Sep 19 18:44:14.541: ppp76 LCP: I IDENTIFY [Open] id 4 len 24 magic 0x61EB5A46sPPY.X`I?Z5SWE}} *Sep 19 18:44:14.541: ppp76 PPP: Queue PAP code[1] id[78] *Sep 19 18:44:14.563: ppp76 PPP: Phase is AUTHENTICATING, by this end *Sep 19 18:44:14.564: ppp76 PAP: Redirect packet to ppp76 *Sep 19 18:44:14.564: ppp76 PAP: I AUTH-REQ id 78 len 11 from "cisco"

! Incoming Authentication Request from Windows Machine using User name "cisco"

*Sep 19 18:44:14.564: ppp76 LCP: State is Open *Sep 19 18:44:14.564: ppp76 PPP: Phase is AUTHENTICATING, Unauthenticated User *Sep 19 18:44:14.564: RADIUS/ENCODE(0000088):Orig. component type = PPPoE *Sep 19 18:44:14.564: RADIUS: DSL line rate attributes successfully added *Sep 19 18:44:14.564: RADIUS/ENCODE: Skip encoding 0 length AAA Cisco vsa password *Sep 19 18:44:14.564: RADIUS(0000088): Config NAS IP: 10.106.39.212 *Sep 19 18:44:14.564: RADIUS(0000088): Config NAS IPv6: :: *Sep 19 18:44:14.564: RADIUS(0000088): Config NAS IPv6: :: *Sep 19 18:44:14.564: RADIUS/ENCODE: No idb found! Framed IP Addr might not be included *Sep 19 18:44:14.564: RADIUS/ENCODE(0000088): acct_session_id: 125 *Sep 19 18:44:14.564: RADIUS(0000088): Config NAS IP: 10.106.39.212 *Sep 19 18:44:14.564: RADIUS(0000088): sending *Sep 19 18:44:14.564: RADIUS(0000088): sending *Sep 19 18:44:14.564: RADIUS(0000088): sending *Sep 19 18:44:14.564: RADIUS(0000088): Send Access-Request to 10.106.39.253:1645 id 1645/106, len 147

! Sending an Access-Request to Radius Server at 10.106.39.253 on port 1645.

```
*Sep 19 18:44:14.564: RADIUS: authenticator C1 5B AA 62 1D E1 31 6C - 16 A5 CE 92 D6 9C 12 E7
*Sep 19 18:44:14.564: RADIUS: Framed-Protocol [7] 6 PPP [1]
*Sep 19 18:44:14.564: RADIUS: User-Name [1] 7 "cisco"
*Sep 19 18:44:14.564: RADIUS: User-Password [2] 18 *
*Sep 19 18:44:14.564: RADIUS: NAS-Port-Type [61] 6 Virtual [5]
*Sep 19 18:44:14.564: RADIUS: NAS-Port [5] 6 0
*Sep 19 18:44:14.564: RADIUS: NAS-Port-Id [87] 9 "0/0/1/1"
*Sep 19 18:44:14.564: RADIUS: Vendor, Cisco [26] 41
*Sep 19 18:44:14.564: RADIUS: Cisco AVpair [1] 35 "client-mac-address=0050.56ad.7206"
*Sep 19 18:44:14.564: RADIUS: Service-Type [6] 6 Framed [2]
*Sep 19 18:44:14.564: RADIUS: NAS-IP-Address [4] 6 10.106.39.212
*Sep 19 18:44:14.564: RADIUS: Acct-Session-Id [44] 10 "0000007D"
*Sep 19 18:44:14.564: RADIUS: Nas-Identifier [32] 12 "BRAS"
*Sep 19 18:44:14.564: RADIUS(00000088): Sending a IPv4 Radius Packet
*Sep 19 18:44:14.564: RADIUS(00000088): Started 5 sec timeout
*Sep 19 18:44:14.566: RADIUS: Received from id 1645/106 10.106.39.253:1645, Access-Accept, len
52
```

! Receiving an Access-Accep from Radius Server

```
*Sep 19 18:44:14.566: RADIUS: authenticator C0 0D 6C 33 F1 A3 04 27 - F0 C2 76 F5 54 FD E2 42
*Sep 19 18:44:14.566: RADIUS: Class [25] 32
*Sep 19 18:44:14.566: RADIUS: 4A 83 05 60 00 00 01 37 00 01 0A 6A 27 FD 01 D2 12 2E 98 D0 4F B0
00 00 00 00 00 00 00 14 [ J`7j'.0]
*Sep 19 18:44:14.566: RADIUS(00000088): Received from id 1645/106
*Sep 19 18:44:14.566: ppp76 PPP: Phase is FORWARDING, Attempting Forward
*Sep 19 18:44:14.568: [76]PPPOE 63: State LCP_NEGOTIATION Event SSS CONNECT LOCAL
*Sep 19 18:44:14.568: [76]PPPoE 63: Segment (SSS class): UPDATED
*Sep 19 18:44:14.568: [76]PPPOE 63: Segment (SSS class): BOUND
*Sep 19 18:44:14.568: [76]PPPoE 63: data path set to Virtual Acess
*Sep 19 18:44:14.569: [76]PPPoE 63: State LCP_NEGOTIATION Event SSM UPDATED
*Sep 19 18:44:14.569: Vi2.1 PPP: Phase is AUTHENTICATING, Authenticated User
*Sep 19 18:44:14.569: Vi2.1 PAP: O AUTH-ACK id 78 len 5
*Sep 19 18:44:14.569: Vi2.1 PPP: Reducing MTU to peer's MRU
*Sep 19 18:44:14.569: [76]PPPoE 63: AAA get dynamic attrs
*Sep 19 18:44:14.569: Vi2.1 PPP: Phase is UP
*Sep 19 18:44:14.569: Vi2.1 IPCP: Protocol configured, start CP. state[Initial]
*Sep 19 18:44:14.569: Vi2.1 IPCP: Event[OPEN] State[Initial to Starting]
*Sep 19 18:44:14.569: Vi2.1 IPCP: 0 CONFREQ [Starting] id 1 len 10
*Sep 19 18:44:14.569: Vi2.1 IPCP: Address 192.168.1.1 (0x0306C0A80101)
*Sep 19 18:44:14.569: Vi2.1 IPCP: Event[UP] State[Starting to REQsent]
*Sep 19 18:44:14.569: [76]PPPoE 63: State PTA_BINDING Event STATIC BIND RESPONSE
```

```
*Sep 19 18:44:14.569: [76]PPPoE 63: Connected PTA
<snip>
*Sep 19 18:44:14.572: Vi2.1 IPCP: Event[Receive ConfReq+] State[ACKrcvd to Open]
*Sep 19 18:44:14.595: Vi2.1 IPCP: State is Open
*Sep 19 18:44:14.595: PPPoE : ipfib_encapstr prepared
*Sep 19 18:44:14.596: Vi2.1 Added to neighbor route AVL tree: topoid 0, address 192.168.1.2
*Sep 19 18:44:14.596: Vi2.1 IPCP: Install route to 192.168.1.2
! Installing route to PPPoE client
BRAS#sh pppoe sess
      1 session in LOCALLY_TERMINATED (PTA) State
      1 session total
Uniq ID PPPoE RemMAC
                                     Port
                                                                 VT VA
                                                                                   State
            SID LocMAC
                                                                      VA-st
                                                                                  Type
      76
             63 0050.56ad.7206 Gi0/0/1.47
                                                                                   PTA
                                                                 10 Vi2.1
                  d867.d99f.6601
                                                                      UP
BRAS#
BRAS#sh caller ip
Line User IP Address Local Number Remote Number <->
```

Il n'existe actuellement aucune information de dépannage spécifique pour cette configuration. Cependant, nous pouvons appliquer des techniques de dépannage standard liées à PPP et PPPoE à l'aide de débogages connexes.

#### Informations connexes

Vi2.1 cisco 192.168.1.2 - - in

Type escape sequence to abort.

BRAS# ping 192.168.1.2

Dépannage

11111

Support et documentation techniques - Cisco Systems

Sending 5, 100-byte ICMP Echos to 192.168.1.2, timeout is 2 seconds:

Success rate is 100 percent (5/5), round-trip min/avg/max = 1/1/1 ms