

# EzVPN com o NEM no IOS Router com exemplo de configuração do VPN 3000 concentrator

## Índice

[Introdução](#)

[Pré-requisitos](#)

[Requisitos](#)

[Componentes Utilizados](#)

[Convenções](#)

[Configurar o VPN 3000 Concentrator](#)

[Tarefa](#)

[Diagrama de Rede](#)

[Instruções passo a passo](#)

[Configuração do roteador](#)

[Verificar](#)

[Troubleshooting](#)

[Comandos para Troubleshooting](#)

[Saída dos comandos Debug](#)

[Comandos cisco ios show relacionados para pesquisar defeitos](#)

[Debug de VPN 3000 Concentrator](#)

[que pode dar errado](#)

[Informações Relacionadas](#)

## Introdução

Este documento explica o procedimento que você deve utilizar para configurar um roteador Cisco IOS® como um EzVPN no [Network Extension Mode \(NEM\)](#) para se conectar a um Cisco VPN 3000 Concentrator. Uma característica nova da fase II do EzVPN é o apoio de uma configuração da tradução de endereços da rede básica (NAT). A fase II do EzVPN é derivada do protocolo de Unity (software do cliente VPN). O dispositivo remoto é sempre o iniciador do túnel de IPsec. Contudo, as propostas do Internet Key Exchange (IKE) e do IPsec não são configuráveis no cliente ezvpn. O cliente VPN negocia propostas com o server.

Para configurar o IPsec entre um PIX/ASA 7.x e um roteador Cisco 871 utilizando o Easy VPN, consulte [Exemplo de Configuração Remota de um PIX/ASA 7.x Easy VPN com um ASA 5500 como Servidor e um Cisco 871 como o Easy VPN](#).

Para configurar o IPsec entre o Cisco IOS® Easy VPN Remote Hardware Client e o PIX Easy VPN Server, consulte [Exemplo de Configuração de um IOS Easy VPN Remote Hardware Client para um PIX Easy VPN Server](#).

Para configurar um Cisco 7200 Router como um EzVPN e o Cisco 871 Router como o Easy VPN

Remote, consulte [Exemplo de Configuração Remota de um 7200 Easy VPN Server para 871 Easy VPN](#).

## Pré-requisitos

### Requisitos

Antes de tentar esta configuração, verifique se o roteador Cisco IOS oferece suporte ao [recurso EzVPN Fase II](#) e possui conectividade IP fim a fim para estabelecer o túnel IPsec.

### Componentes Utilizados

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

- Cisco IOS Software Release 12.2(8)YJ (fase II do EzVPN)
- VPN 3000 concentrator 3.6.x
- Cisco 1700 Router

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.

**Nota:** Esta configuração foi testada recentemente com um Cisco 3640 Router com Cisco IOS Software Release 12.4(8) e a versão do VPN 3000 concentrator 4.7.x.

### Convenções

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

## Configurar o VPN 3000 Concentrator

### Tarefa

Nesta seção, você é apresentado com a informação para configurar o VPN 3000 concentrator.

### Diagrama de Rede

Este documento utiliza a configuração de rede mostrada neste diagrama. As interfaces de loopback são usadas como sub-redes internas, e o FastEthernet 0 é o padrão ao Internet.

### Instruções passo a passo

Conclua estes passos:

1. Selecione **Configuration > User Management > Groups > Add** e defina um nome e uma senha de grupo para configurar um grupo de IPsec para os usuários. Este exemplo usa o

nome de grupo **turaro** com senha/verificação **tululo**.

2. Selecione **Configuration > User Management > Groups > turaro > General** para habilitar o **IPSec** e desabilitar o Point-to-Point Tunneling Protocol (PPTP) e o Layer 2 Tunnel Protocol (L2TP).Faça suas seleções e clique em **Apply**.
3. Defina Authentication como **Internal** para Extended Authentication (Xauth) e certifique-se de que Tunnel Type seja **Remote Access** e IPSec SA seja **ESP-3DES-MD5**.
4. Selecione **Configuration > System > Tunneling Protocols > IPSec > IKE Proposals** para se certificar de que o Cisco VPN Client (CiscoVPNClient-3DES-MD5) esteja em Active Proposals for IKE (Fase 1).**Nota:** Do concentrador VPN 4.1.x, o procedimento é diferente para assegurar-se de que o Cisco VPN Client esteja na lista de propósitos ativo para IKE (fase 1). Selecione **Configuration > Tunneling and Security > IPSec > IKE Proposals**.
5. Verifique sua associação de segurança IPSec (SA).No passo 3, sua IPsec SA é ESP-3DES-MD5. Você pode criar uma nova se desejar, mas certifique-se de utilizar a IPsec SA correta no seu grupo. Você deve desabilitar o discrição perfeita adiante (PFS) para IPsec SA que você usa. Selecione o Cisco VPN Client como a proposta para o IKE ao escolher **Configuration > Policy Management > Traffic Management > SAs**. Datilografe o nome SA na caixa de texto e faça as seleções apropriadas como mostrado aqui:**Nota:** Esta etapa e a próxima etapa são opcionais se você prefere escolher um SA predefinido. Se seu cliente tem dinamicamente um endereço IP atribuído, use 0.0.0.0 na caixa de texto do par IKE. Certifique-se de que a IKE Proposal esteja configurada como **CiscoVPNClient-3DES-MD5** conforme mostrado neste exemplo.
6. Você **não** deve clicar em *Allow the networks in the list to bypass the tunnel*. A razão é que o Split Tunneling está apoiado, mas a característica do desvio não é apoiada com os recursos de cliente ezvpn.
7. Selecione **Configuration > User Management > Users** para adicionar um usuário. Defina um nome de usuário e a senha, atribua a um grupo e clique em **Add**.
8. Selecione **Administration > Admin Sessions** e verifique se o usuário está conectado. No NEM, o concentrador VPN não atribui um endereço IP de Um ou Mais Servidores Cisco ICM NT do pool.**Nota:** Esta etapa é opcional se você prefere escolher um SA predefinido.
9. Clique nos ícones **Save Needed** ou **Save** para salvar a configuração.

## [Configuração do roteador](#)

### [mostre saídas de versão](#)

```
show version Cisco Internetwork Operating System Software IOS (tm) C1700 Software (C1700-
BK9NO3R2SY7-M), Version 12.2(8)YJ, EARLY DEPLOYMENT RELEASE SOFTWARE (fc1) 1721-1(ADSL) uptime
is 4 days, 5 hours, 33 minutes System returned to ROM by reload System image file is
"flash:c1700-bk9no3r2sy7-mz.122-8.YJ.bin" cisco 1721 (MPC860P) processor (revision 0x100) with
88474K/9830K bytes 16384K bytes of processor board System flash (Read/Write)
```

#### **1721-1**

```
1721-1(ADSL)#show run version 12.2 service timestamps
debug uptime service timestamps log uptime no service
password-encryption ! hostname 1721-1(ADSL) ! !---
Specify the configuration name !--- to be assigned to
the interface. crypto ipsec client ezvpn SJVPN !---
Tunnel control; automatic is the default. connect auto
!--- The group name and password should be the same as
given in the VPN Concentrator. group turaro key tululo
!--- The mode that is chosen as the network extension.
```

```

mode network-extension !--- The tunnel peer end (VPN
Concentrator public interface IP address). peer
172.16.172.41 ! interface Loopback0 ip address
192.168.254.1 255.255.255.0 !--- Configure the Loopback
interface !--- as the inside interface. ip nat inside !-
-- Specifies the Cisco EzVPN Remote configuration name
!-- to be assigned to the inside interface. crypto
ipsec client ezvpn SJVPN inside ! interface Loopback1 ip
address 192.168.253.1 255.255.255.0 ip nat inside crypto
ipsec client ezvpn SJVPN inside ! interface
FastEthernet0 ip address 172.16.172.46 255.255.255.240
!-- Configure the FastEthernet interface !--- as the
outside interface. ip nat outside !--- Specifies the
Cisco EzVPN Remote configuration name !--- to be
assigned to the first outside interface, because !---
outside is not specified for the interface. !--- The
default is outside. crypto ipsec client ezvpn SJVPN ! !-
-- Specify the overload option with the ip nat command
!-- in global configuration mode in order to enable !--
- Network Address Translation (NAT) of the inside source
address !--- so that multiple PCs can use the single IP
address. ip nat inside source route-map EZVPN interface
FastEthernet0 overload ip classless ip route 0.0.0.0
0.0.0.0 172.16.172.41 ! access-list 177 deny ip
192.168.254.0 0.0.0.255 192.168.2.0 0.0.0.255 access-
list 177 deny ip 192.168.253.0 0.0.0.255 192.168.2.0
0.0.0.255 access-list 177 permit ip 192.168.253.0
0.0.0.255 any access-list 177 permit ip 192.168.254.0
0.0.0.255 any ! route-map EZVPN permit 10 match ip
address 177 ! ! line con 0 line aux 0 line vty 0 4
password cisco login ! no scheduler allocate end

```

## 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.

Uma vez que você configura ambos os dispositivos, o Cisco 3640 Router tenta estabelecer o túnel VPN contactando o concentrador VPN que usa automaticamente o endereço IP do peer. Depois que os parâmetros ISAKMP iniciais são trocados, o roteador indica esta mensagem:

```

Pending XAuth Request, Please enter the
following command: crypto ipsec client ezvpn xauth

```

É necessário inserir o comando **crypto ipsec client ezvpn xauth**, o qual solicitará um nome de usuário e uma senha. Isto deve combinar o nome de usuário e senha configurado no concentrador VPN (etapa 7). Uma vez que o nome de usuário e senha é concordado por ambos os pares, o resto dos parâmetros está concordado e o túnel do IPsec VPN vem acima.

```

EZVPN(SJVPN): Pending XAuth Request, Please enter the following command: EZVPN: crypto ipsec
client ezvpn xauth !--- Enter the crypto ipsec client ezvpn xauth command. crypto ipsec client
ezvpn xauth Enter Username and Password.: padma Password: : password

```

## Troubleshooting

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

configuração.

## Comandos para Troubleshooting

A [Output Interpreter Tool \(somente clientes registrados\)](#) oferece suporte a determinados comandos show, o que permite exibir uma análise da saída do comando show.

**Nota:** Consulte [Informações Importantes sobre Comandos de Depuração](#) antes de usar comandos debug.

- **debug crypto ipsec client ezvpn** — Exibe informações que mostram a configuração e a implementação do recurso EzVPN Client.
- **debug crypto ipsec** — Exibe informações de depuração sobre conexões de IPSec.
- **debug crypto isakmp** — Exibe informações de depuração sobre conexões de IPSec e mostra o primeiro conjunto de atributos negados devido a incompatibilidades em ambas as extremidades.
- **show debug** — Exibe o estado de cada opção de depuração.

## Saída dos comandos Debug

Assim que você inscrever o **comando crypto ipsec client ezvpn SJVPN**, o cliente ezvpn tenta conectar ao server. Se você alterar o comando **connect manual** na configuração de grupo, insira o comando **crypto ipsec client ezvpn connect SJVPN** para iniciar a troca de propostas com o servidor.

```
4d05h: ISAKMP (0:3): beginning Aggressive Mode exchange
4d05h: ISAKMP (0:3): sending packet to 172.16.172.41 (I) AG_INIT_EXCH
4d05h: ISAKMP (0:3): received packet from 172.16.172.41 (I) AG_INIT_EXCH
4d05h: ISAKMP (0:3): processing SA payload. message ID = 0
4d05h: ISAKMP (0:3): processing ID payload. message ID = 0
4d05h: ISAKMP (0:3): processing vendor id payload
4d05h: ISAKMP (0:3): vendor ID is Unity
4d05h: ISAKMP (0:3): processing vendor id payload
4d05h: ISAKMP (0:3): vendor ID seems Unity/DPD but bad major
4d05h: ISAKMP (0:3): vendor ID is XAUTH
4d05h: ISAKMP (0:3): processing vendor id payload
4d05h: ISAKMP (0:3): vendor ID is DPD
4d05h: ISAKMP (0:3) local preshared key found
4d05h: ISAKMP (0:3) Authentication by xauth preshared
4d05h: ISAKMP (0:3): Checking ISAKMP transform 6 against priority 65527 policy
4d05h: ISAKMP: encryption 3DES-CBC
4d05h: ISAKMP: hash MD5
4d05h: ISAKMP: default group 2
4d05h: ISAKMP: auth XAUTHInitPreShared
4d05h: ISAKMP: life type in seconds
4d05h: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
4d05h: ISAKMP (0:3): Encryption algorithm offered does not match policy!
4d05h: ISAKMP (0:3): atts are not acceptable. Next payload is 0
4d05h: ISAKMP (0:3): Checking ISAKMP transform 6 against priority 65528 policy
4d05h: ISAKMP: encryption 3DES-CBC
4d05h: ISAKMP: hash MD5
4d05h: ISAKMP: default group 2
4d05h: ISAKMP: auth XAUTHInitPreShared
4d05h: ISAKMP: life type in seconds
4d05h: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
4d05h: ISAKMP (0:3): Encryption algorithm offered does not match policy!
4d05h: ISAKMP (0:3): atts are not acceptable. Next payload is 0
```

4d05h: ISAKMP (0:3): Checking ISAKMP transform 6 against priority 65529 policy  
4d05h: ISAKMP: encryption 3DES-CBC  
4d05h: ISAKMP: hash MD5  
4d05h: ISAKMP: default group 2  
4d05h: ISAKMP: auth XAUTHInitPreShared  
4d05h: ISAKMP: life type in seconds  
4d05h: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B  
4d05h: ISAKMP (0:3): Encryption algorithm offered does not match policy!  
4d05h: ISAKMP (0:3): atts are not acceptable. Next payload is 0  
4d05h: ISAKMP (0:3): Checking ISAKMP transform 6 against priority 65530 policy  
4d05h: ISAKMP: encryption 3DES-CBC  
4d05h: ISAKMP: hash MD5  
4d05h: ISAKMP: default group 2  
4d05h: ISAKMP: auth XAUTHInitPreShared  
4d05h: ISAKMP: life type in seconds  
4d05h: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B  
4d05h: ISAKMP (0:3): Encryption algorithm offered does not match policy!  
4d05h: ISAKMP (0:3): atts are not acceptable. Next payload is 0  
4d05h: ISAKMP (0:3): Checking ISAKMP transform 6 against priority 65531 policy  
4d05h: ISAKMP: encryption 3DES-CBC  
4d05h: ISAKMP: hash MD5  
4d05h: ISAKMP: default group 2  
4d05h: ISAKMP: auth XAUTHInitPreShared  
4d05h: ISAKMP: life type in seconds  
4d05h: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B  
4d05h: ISAKMP (0:3): Hash algorithm offered does not match policy!  
4d05h: ISAKMP (0:3): atts are not acceptable. Next payload is 0  
4d05h: ISAKMP (0:3): Checking ISAKMP transform 6 against priority 65532 policy  
4d05h: ISAKMP: encryption 3DES-CBC  
4d05h: ISAKMP: hash MD5  
4d05h: ISAKMP: default group 2  
4d05h: ISAKMP: auth XAUTHInitPreShared  
4d05h: ISAKMP: life type in seconds  
4d05h: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B  
4d05h: ISAKMP (0:3): **atts are acceptable.** Next payload is 0 4d05h: ISAKMP (0:3): processing KE  
payload. message ID = 0 4d05h: ISAKMP (0:3): processing NONCE payload. message ID = 0 4d05h:  
ISAKMP (0:3): SKEYID state generated 4d05h: ISAKMP (0:3): processing HASH payload. message ID =  
0 4d05h: ISAKMP (0:3): **SA has been authenticated with 172.16.172.41** 4d05h: ISAKMP (0:3): sending  
packet to 172.16.172.41 (I) AG\_INIT\_EXCH 4d05h: ISAKMP (0:3): Input = IKE\_MSG\_FROM\_PEER,  
IKE\_AM\_EXCH Old State = IKE\_I\_AM1 New State = IKE\_P1\_COMPLETE 4d05h: IPSEC(key\_engine): got a  
queue event... 4d05h: IPsec: Key engine got KEYENG\_IKMP\_MORE\_SAS message 4d05h: ISAKMP (0:3):  
Need XAUTH 4d05h: ISAKMP (0:3): Input = IKE\_MSG\_INTERNAL, IKE\_PHASE1\_COMPLETE Old State =  
IKE\_P1\_COMPLETE New State = IKE\_P1\_COMPLETE *!--- Phase 1 (ISAKMP) is complete.* 4d05h: ISAKMP:  
received ke message (6/1) 4d05h: ISAKMP: received KEYENG\_IKMP\_MORE\_SAS message 4d05h: ISAKMP:  
set new node -857862190 to CONF\_XAUTH *!--- Initiate extended authentication.* 4d05h: ISAKMP  
(0:3): sending packet to 172.16.172.41 (I) CONF\_XAUTH 4d05h: ISAKMP (0:3): purging node -  
857862190 4d05h: ISAKMP (0:3): Sending initial contact. 4d05h: ISAKMP (0:3): received packet  
from 172.16.172.41 (I) CONF\_XAUTH 4d05h: ISAKMP: set new node -1898481791 to CONF\_XAUTH 4d05h:  
ISAKMP (0:3): processing transaction payload from 172.16.172.41. message ID = -1898481791 4d05h:  
ISAKMP: Config payload REQUEST 4d05h: ISAKMP (0:3): checking request: 4d05h: ISAKMP:  
XAUTH\_TYPE\_V2 4d05h: ISAKMP: XAUTH\_USER\_NAME\_V2 4d05h: ISAKMP: XAUTH\_USER\_PASSWORD\_V2 4d05h:  
ISAKMP: XAUTH\_MESSAGE\_V2 4d05h: ISAKMP (0:3): Xauth process request 4d05h: ISAKMP (0:3): Input =  
IKE\_MSG\_FROM\_PEER, IKE\_CFG\_REQUEST Old State = IKE\_P1\_COMPLETE New State =  
IKE\_XAUTH\_REPLY\_AWAIT 4d05h: EZVPN(SJVPN): Current State: READY 4d05h: EZVPN(SJVPN): Event:  
XAUTH\_REQUEST 4d05h: EZVPN(SJVPN): ezvpn\_xauth\_request 4d05h: EZVPN(SJVPN):  
ezvpn\_parse\_xauth\_msg 4d05h: EZVPN: Attributes sent in xauth request message: 4d05h:  
XAUTH\_TYPE\_V2(SJVPN): 0 4d05h: XAUTH\_USER\_NAME\_V2(SJVPN): 4d05h: XAUTH\_USER\_PASSWORD\_V2(SJVPN):  
4d05h: XAUTH\_MESSAGE\_V2(SJVPN) <Enter Username and Password.> 4d05h: EZVPN(SJVPN): New State:  
XAUTH\_REQ 4d05h: ISAKMP (0:3): Input = IKE\_MSG\_INTERNAL, IKE\_PHASE1\_COMPLETE Old State =  
IKE\_XAUTH\_REPLY\_AWAIT New State = IKE\_XAUTH\_REPLY\_AWAIT 4d05h: EZVPN(SJVPN): Pending XAuth  
Request, Please enter the following command: 4d05h: EZVPN: **crypto ipsec client ezvpn xauth !---**  
*Enter the crypto ipsec client ezvpn xauth command. crypto ipsec client ezvpn xauth* Enter  
Username and Password.: **padma** Password: : **password !---** *The router requests your username and  
password that is !--- configured on the server.* 4d05h: EZVPN(SJVPN): Current State: XAUTH\_REQ

4d05h: EZVPN(SJVPN): Event: XAUTH\_PROMPTING 4d05h: EZVPN(SJVPN): New State: XAUTH\_PROMPT 172.1-  
1(ADSL)# 4d05h: EZVPN(SJVPN): Current State: XAUTH\_PROMPT 4d05h: EZVPN(SJVPN): Event:  
XAUTH\_REQ\_INFO\_READY 4d05h: EZVPN(SJVPN): ezvpn\_xauth\_reply 4d05h: XAUTH\_TYPE\_V2(SJVPN): 0  
4d05h: XAUTH\_USER\_NAME\_V2(SJVPN): Cisco\_MAE 4d05h: XAUTH\_USER\_PASSWORD\_V2(SJVPN): <omitted>  
4d05h: EZVPN(SJVPN): New State: XAUTH\_REPLIED 4d05h: xauth-type: 0 4d05h: username: Cisco\_MAE  
4d05h: password: <omitted> 4d05h: message <Enter Username and Password.> 4d05h: ISAKMP (0:3):  
responding to peer config from 172.16.172.41. ID = -1898481791 4d05h: ISAKMP (0:3): sending  
packet to 172.16.172.41 (I) CONF\_XAUTH 4d05h: ISAKMP (0:3): deleting node -1898481791 error  
FALSE reason "done with xauth request/reply exchange" 4d05h: ISAKMP (0:3): Input =  
IKE\_MSG\_INTERNAL, IKE\_XAUTH\_REPLY\_ATTR Old State = IKE\_XAUTH\_REPLY\_AWAIT New State =  
IKE\_XAUTH\_REPLY\_SENT 4d05h: ISAKMP (0:3): received packet from 172.16.172.41 (I) CONF\_XAUTH  
4d05h: ISAKMP: set new node -1602220489 to CONF\_XAUTH 4d05h: ISAKMP (0:3): processing  
transaction payload from 172.16.172.41. message ID = -1602220489 4d05h: ISAKMP: Config payload  
SET 4d05h: ISAKMP (0:3): Xauth process set, status = 1 4d05h: ISAKMP (0:3): checking SET: 4d05h:  
ISAKMP: XAUTH\_STATUS\_V2 XAUTH-OK 4d05h: ISAKMP (0:3): attributes sent in message: 4d05h: Status:  
1 4d05h: ISAKMP (0:3): sending packet to 172.16.172.41 (I) CONF\_XAUTH 4d05h: ISAKMP (0:3):  
deleting node -1602220489 error FALSE reason "" 4d05h: ISAKMP (0:3): Input = IKE\_MSG\_FROM\_PEER,  
IKE\_CFG\_SET Old State = IKE\_XAUTH\_REPLY\_SENT New State = IKE\_P1\_COMPLETE 4d05h: EZVPN(SJVPN):  
Current State: XAUTH\_REPLIED 4d05h: EZVPN(SJVPN): Event: XAUTH\_STATUS 4d05h: EZVPN(SJVPN): New  
State: READY 4d05h: ISAKMP (0:3): Need config/address 4d05h: ISAKMP (0:3): Need config/address  
4d05h: ISAKMP: set new node 486952690 to CONF\_ADDR 4d05h: ISAKMP (0:3): initiating peer config  
to 172.16.172.41. ID = 486952690 4d05h: ISAKMP (0:3): sending packet to 172.16.172.41 (I)  
CONF\_ADDR 4d05h: ISAKMP (0:3): Input = IKE\_MSG\_INTERNAL, IKE\_PHASE1\_COMPLETE Old State =  
IKE\_P1\_COMPLETE New State = IKE\_CONFIG\_MODE\_REQ\_SENT 4d05h: ISAKMP (0:3): received packet from  
172.16.172.41 (I) CONF\_ADDR 4d05h: ISAKMP (0:3): processing transaction payload from  
172.16.172.41. message ID = 486952690 4d05h: ISAKMP: Config payload REPLY 4d05h: ISAKMP(0:3)  
process config reply 4d05h: ISAKMP (0:3): deleting node 486952690 error FALSE reason "done with  
transaction" 4d05h: ISAKMP (0:3): Input = IKE\_MSG\_FROM\_PEER, IKE\_CFG\_REPLY Old State =  
IKE\_CONFIG\_MODE\_REQ\_SENT New State = IKE\_P1\_COMPLETE 4d05h: EZVPN(SJVPN): Current State: READY  
4d05h: EZVPN(SJVPN): Event: MODE\_CONFIG\_REPLY 4d05h: EZVPN(SJVPN): ezvpn\_mode\_config 4d05h:  
EZVPN(SJVPN): ezvpn\_parse\_mode\_config\_msg 4d05h: EZVPN: Attributes sent in message 4d05h:  
ip\_ifnat\_modified: old\_if 0, new\_if 2 4d05h: ip\_ifnat\_modified: old\_if 0, new\_if 2 4d05h:  
ip\_ifnat\_modified: old\_if 1, new\_if 2 4d05h: EZVPN(SJVPN): New State: SS\_OPEN 4d05h: ISAKMP  
(0:3): Input = IKE\_MSG\_INTERNAL, IKE\_PHASE1\_COMPLETE Old State = IKE\_P1\_COMPLETE New State =  
IKE\_P1\_COMPLETE 4d05h: IPSEC(sa\_request): , (key eng. msg.) OUTBOUND local= 172.16.172.46,  
remote= 172.16.172.41, local\_proxy= 192.168.254.0/255.255.255.0/0/0 (type=4), remote\_proxy=  
0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= esp-3des esp-sha-hmac , lifedur=  
2147483s and 4608000kb, spi= 0xE6DB9372(3873149810), conn\_id= 0, keysize= 0, flags= 0x400C  
4d05h: IPSEC(sa\_request): , (key eng. msg.) OUTBOUND local= 172.16.172.46, remote=  
172.16.172.41, local\_proxy= 192.168.254.0/255.255.255.0/0/0 (type=4), remote\_proxy=  
0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= esp-3des esp-md5-hmac , lifedur=  
2147483s and 4608000kb, spi= 0x3C77C53D(1014482237), conn\_id= 0, keysize= 0, flags= 0x400C  
4d05h: IPSEC(sa\_request): , (key eng. msg.) OUTBOUND local= 172.16.172.46, remote=  
172.16.172.41, local\_proxy= 192.168.254.0/255.255.255.0/0/0 (type=4), remote\_proxy=  
0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= esp-des esp-sha-hmac , lifedur= 2147483s  
and 4608000kb, spi= 0x79BB8DF4(2042334708), conn\_id= 0, keysize= 0, flags= 0x400C 4d05h:  
IPSEC(sa\_request): , (key eng. msg.) OUTBOUND local= 172.16.172.46, remote= 172.16.172.41,  
local\_proxy= 192.168.254.0/255.255.255.0/0/0 (type=4), remote\_proxy= 0.0.0.0/0.0.0.0/0/0  
(type=4), protocol= ESP, transform= esp-des esp-md5-hmac , lifedur= 2147483s and 4608000kb, spi=  
0x19C3A5B2(432252338), conn\_id= 0, keysize= 0, flags= 0x400C 4d05h: ISAKMP: received ke message  
(1/4) 4d05h: ISAKMP: set new node 0 to QM\_IDLE 4d05h: EZVPN(SJVPN): Current State: SS\_OPEN  
4d05h: EZVPN(SJVPN): Event: SOCKET\_READY 4d05h: EZVPN(SJVPN): No state change 4d05h: ISAKMP  
(0:3): sitting IDLE. Starting QM immediately (QM\_IDLE ) 4d05h: ISAKMP (0:3): beginning Quick  
Mode exchange, M-ID of -1494477527 4d05h: IPSEC(sa\_request): , (key eng. msg.) OUTBOUND local=  
172.16.172.46, remote= 172.16.172.41, local\_proxy= 192.168.253.0/255.255.255.0/0/0 (type=4),  
remote\_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= esp-3des esp-sha-hmac ,  
lifedur= 2147483s and 4608000kb, spi= 0xB18CF11E(2978803998), conn\_id= 0, keysize= 0, flags=  
0x400C 4d05h: IPSEC(sa\_request): , (key eng. msg.) OUTBOUND local= 172.16.172.46, remote=  
172.16.172.41, local\_proxy= 192.168.253.0/255.255.255.0/0/0 (type=4), remote\_proxy=  
0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= esp-3des esp-md5-hmac , lifedur=  
2147483s and 4608000kb, spi= 0xA8C469EC(2831444460), conn\_id= 0, keysize= 0, flags= 0x400C  
4d05h: IPSEC(sa\_request): , (key eng. msg.) OUTBOUND local= 172.16.172.46, remote=  
172.16.172.41, local\_proxy= 192.168.253.0/255.255.255.0/0/0 (type=4), remote\_proxy=  
0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= esp-des esp-sha-hmac , lifedur= 2147483s

and 4608000kb, spi= 0xBC5AD5EE(3160069614), conn\_id= 0, keysize= 0, flags= 0x400C 4d05h:  
IPSEC(sa\_request): , (key eng. msg.) OUTBOUND local= 172.16.172.46, remote= 172.16.172.41,  
local\_proxy= 192.168.253.0/255.255.255.0/0/0 (type=4), remote\_proxy= 0.0.0.0/0.0.0.0/0/0  
(type=4), protocol= ESP, transform= esp-des esp-md5-hmac , lifedur= 2147483s and 4608000kb, spi=  
0x8C34C692(2352268946), conn\_id= 0, keysize= 0, flags= 0x400C 4d05h: ISAKMP (0:3): sending  
packet to 172.16.172.41 (I) QM\_IDLE 4d05h: ISAKMP (0:3): Node -1494477527, Input =  
IKE\_MSG\_INTERNAL, IKE\_INIT\_QM Old State = IKE\_QM\_READY New State = IKE\_QM\_I\_QM1 4d05h: ISAKMP:  
received ke message (1/4) 4d05h: ISAKMP: set new node 0 to QM\_IDLE 4d05h: ISAKMP (0:3): sitting  
IDLE. Starting QM immediately (QM\_IDLE ) 4d05h: ISAKMP (0:3): beginning Quick Mode exchange, M-  
ID of -1102788797 4d05h: EZVPN(SJVPN): Current State: SS\_OPEN 4d05h: EZVPN(SJVPN): Event:  
SOCKET\_READY 4d05h: EZVPN(SJVPN): No state change 4d05h: ISAKMP (0:3): sending packet to  
172.16.172.41 (I) QM\_IDLE 4d05h: ISAKMP (0:3): Node -1102788797, Input = IKE\_MSG\_INTERNAL,  
IKE\_INIT\_QM Old State = IKE\_QM\_READY New State = IKE\_QM\_I\_QM1 4d05h: ISAKMP (0:3): received  
packet from 172.16.172.41 (I) QM\_IDLE 4d05h: ISAKMP: set new node 733055375 to QM\_IDLE 4d05h:  
ISAKMP (0:3): processing HASH payload. message ID = 733055375 4d05h: ISAKMP (0:3): processing  
NOTIFY RESPONDER\_LIFETIME protocol 1 spi 0, message ID = 733055375, sa = 820ABFA0 4d05h: ISAKMP  
(0:3): processing responder lifetime 4d05h: ISAKMP (0:3): start processing isakmp responder  
lifetime 4d05h: ISAKMP (0:3): restart ike sa timer to 86400 secs 4d05h: ISAKMP (0:3): deleting  
node 733055375 error FALSE reason "informational (in) state 1" 4d05h: ISAKMP (0:3): Input =  
IKE\_MSG\_FROM\_PEER, IKE\_INFO\_NOTIFY Old State = IKE\_P1\_COMPLETE New State = IKE\_P1\_COMPLETE  
4d05h: ISAKMP (0:3): received packet from 172.16.172.41 (I) QM\_IDLE 4d05h: ISAKMP (0:3):  
processing HASH payload. message ID = -1494477527 4d05h: ISAKMP (0:3): processing SA payload.  
message ID = -1494477527 4d05h: ISAKMP (0:3): Checking IPsec proposal 1 4d05h: ISAKMP: transform  
1, ESP\_3DES 4d05h: ISAKMP: attributes in transform: 4d05h: ISAKMP: SA life type in seconds  
4d05h: ISAKMP: SA life duration (VPI) of 0x0 0x20 0xC4 0x9B 4d05h: ISAKMP: SA life type in  
kilobytes 4d05h: ISAKMP: SA life duration (VPI) of 0x0 0x46 0x50 0x0 4d05h: ISAKMP: encaps is 1  
4d05h: ISAKMP: authenticator is HMAC-MD5 4d05h: ISAKMP (0:3): atts are acceptable. 4d05h:  
IPSEC(validate\_proposal\_request): proposal part #1, (key eng. msg.) INBOUND local=  
172.16.172.46, remote= 172.16.172.41, local\_proxy= 192.168.254.0/255.255.255.0/0/0 (type=4),  
remote\_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= esp-3des esp-md5-hmac ,  
lifedur= 0s and 0kb, spi= 0x0(0), conn\_id= 0, keysize= 0, flags= 0x4 4d05h: ISAKMP (0:3):  
processing NONCE payload. message ID = -1494477527 4d05h: ISAKMP (0:3): processing ID payload.  
message ID = -1494477527 4d05h: ISAKMP (0:3): processing ID payload. message ID = -1494477527  
4d05h: ISAKMP (0:3): processing NOTIFY RESPONDER\_LIFETIME protocol 3 spi 1344958901, message ID  
= -1494477527, sa = 820ABFA0 4d05h: ISAKMP (0:3): processing responder lifetime 4d05h: ISAKMP  
(3): responder lifetime of 28800s 4d05h: ISAKMP (3): responder lifetime of 0kb 4d05h: ISAKMP  
(0:3): Creating IPsec SAs 4d05h: inbound SA from 172.16.172.41 to 172.16.172.46 (proxy 0.0.0.0  
to 192.168.254.0) 4d05h: has spi 0x3C77C53D and conn\_id 2000 and flags 4 4d05h: lifetime of  
28800 seconds 4d05h: outbound SA from 172.16.172.46 to 172.16.172.41 (proxy 192.168.254.0 to  
0.0.0.0 ) 4d05h: has spi 1344958901 and conn\_id 2001 and flags C 4d05h: lifetime of 28800  
seconds 4d05h: ISAKMP (0:3): sending packet to 172.16.172.41 (I) QM\_IDLE 4d05h: ISAKMP (0:3):  
deleting node -1494477527 error FALSE reason "" 4d05h: ISAKMP (0:3): Node -1494477527, Input =  
IKE\_MSG\_FROM\_PEER, IKE\_QM\_EXCH Old State = IKE\_QM\_I\_QM1 New State = IKE\_QM\_PHASE2\_COMPLETE  
4d05h: ISAKMP (0:3): received packet from 172.16.172.41 (I) QM\_IDLE 4d05h: ISAKMP (0:3):  
processing HASH payload. message ID = -1102788797 4d05h: ISAKMP (0:3): processing SA payload.  
message ID = -1102788797 4d05h: ISAKMP (0:3): Checking IPsec proposal 1 4d05h: ISAKMP: transform  
1, ESP\_3DES 4d05h: ISAKMP: attributes in transform: 4d05h: ISAKMP: SA life type in seconds  
4d05h: ISAKMP: SA life duration (VPI) of 0x0 0x20 0xC4 0x9B 4d05h: ISAKMP: SA life type in  
kilobytes 4d05h: ISAKMP: SA life duration (VPI) of 0x0 0x46 0x50 0x0 4d05h: ISAKMP: encaps is 1  
4d05h: ISAKMP: authenticator is HMAC-MD5 4d05h: ISAKMP (0:3): atts are acceptable. 4d05h:  
IPSEC(validate\_proposal\_request): proposal part #1, (key eng. msg.) INBOUND local=  
172.16.172.46, remote= 172.16.172.41, local\_proxy= 192.168.253.0/255.255.255.0/0/0 (type=4),  
remote\_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= esp-3des esp-md5-hmac ,  
lifedur= 0s and 0kb, spi= 0x0(0), conn\_id= 0, keysize= 0, flags= 0x4 4d05h: ISAKMP (0:3):  
processing NONCE payload. message ID = -1102788797 4d05h: ISAKMP (0:3): processing ID payload.  
message ID = -1102788797 4d05h: ISAKMP (0:3): processing ID payload. message ID = -1102788797  
4d05h: ISAKMP (0:3): processing NOTIFY RESPONDER\_LIFETIME protocol 3 spi 653862918, message ID =  
-1102788797, sa = 820ABFA0 4d05h: ISAKMP (0:3): processing responder lifetime 4d05h: ISAKMP (3):  
responder lifetime of 28800s 4d05h: ISAKMP (3): responder lifetime of 0kb 4d05h:  
IPSEC(key\_engine): got a queue event... 4d05h: IPSEC(initialize\_sas): , (key eng. msg.) INBOUND  
local= 172.16.172.46, remote= 172.16.172.41, local\_proxy= 192.168.254.0/255.255.255.0/0/0  
(type=4), remote\_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= esp-3des esp-  
md5-hmac , lifedur= 28800s and 0kb, spi= 0x3C77C53D(1014482237), conn\_id= 2000, keysize= 0,  
flags= 0x4 4d05h: IPSEC(initialize\_sas): , (key eng. msg.) OUTBOUND local= 172.16.172.46,



```

remote= 172.16.172.41, local_proxy= 192.168.254.0/255.255.255.0/0/0 (type=4), remote_proxy=
0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= esp-3des esp-md5-hmac , lifedur= 28800s
and 0kb, spi= 0x502A71B5(1344958901), conn_id= 2001, keysize= 0, flags= 0xC 4d05h:
IPSEC(create_sa): sa created, (sa) sa_dest= 172.16.172.46, sa_prot= 50, sa_spi=
0x3C77C53D(1014482237), !--- SPI that is used on inbound SA. sa_trans= esp-3des esp-md5-hmac ,
sa_conn_id= 2000 4d05h: IPSEC(create_sa): sa created, (sa) sa_dest= 172.16.172.41, sa_prot= 50,
sa_spi= 0x502A71B5(1344958901), !--- SPI that is used on outbound SA. sa_trans= esp-3des esp-
md5-hmac , sa_conn_id= 2001 4d05h: ISAKMP (0:3): Creating IPsec SAs 4d05h: inbound SA from
172.16.172.41 to 172.16.172.46 (proxy 0.0.0.0 to 192.168.253.0) 4d05h: has spi 0xA8C469EC and
conn_id 2002 and flags 4 4d05h: lifetime of 28800 seconds 4d05h: outbound SA from 172.16.172.46
to 172.16.172.41 (proxy 192.168.253.0 to 0.0.0.0 ) 4d05h: has spi 653862918 and conn_id 2003 and
flags C 4d05h: lifetime of 28800 seconds 4d05h: ISAKMP (0:3): sending packet to 172.16.172.41
(I) QM_IDLE 4d05h: ISAKMP (0:3): deleting node -1102788797 error FALSE reason "" 4d05h: ISAKMP
(0:3): Node -1102788797, Input = IKE_MSG_FROM_PEER, IKE_QM_EXCH Old State = IKE_QM_I_QM1 New
State = IKE_QM_PHASE2_COMPLETE 4d05h: ISAKMP: received ke message (4/1) 4d05h: ISAKMP: Locking
CONFIG struct 0x81F433A4 for crypto_ikmp_config_handle_kei_mess, count 3 4d05h: EZVPN(SJVPN):
Current State: SS_OPEN 4d05h: EZVPN(SJVPN): Event: MTU_CHANGED 4d05h: EZVPN(SJVPN): No state
change 4d05h: IPSEC(key_engine): got a queue event... 4d05h: IPSEC(initialize_sas): , (key eng.
msg.) INBOUND local= 172.16.172.46, remote= 172.16.172.41, local_proxy=
192.168.253.0/255.255.255.0/0/0 (type=4), remote_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), protocol=
ESP, transform= esp-3des esp-md5-hmac , lifedur= 28800s and 0kb, spi= 0xA8C469EC(2831444460),
conn_id= 2002, keysize= 0, flags= 0x4 4d05h: IPSEC(initialize_sas): , (key eng. msg.) OUTBOUND
local= 172.16.172.46, remote= 172.16.172.41, local_proxy= 192.168.253.0/255.255.255.0/0/0
(type=4), remote_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= esp-3des esp-
md5-hmac , lifedur= 28800s and 0kb, spi= 0x26F92806(653862918), conn_id= 2003, keysize= 0,
flags= 0xC 4d05h: IPSEC(create_sa): sa created, (sa) sa_dest= 172.16.172.46, sa_prot= 50,
sa_spi= 0xA8C469EC(2831444460), sa_trans= esp-3des esp-md5-hmac , sa_conn_id= 2002 4d05h:
IPSEC(create_sa): sa created, (sa) sa_dest= 172.16.172.41, sa_prot= 50, sa_spi=
0x26F92806(653862918), sa_trans= esp-3des esp-md5-hmac , sa_conn_id= 2003 4d05h: ISAKMP:
received ke message (4/1) 4d05h: ISAKMP: Locking CONFIG struct 0x81F433A4 for
crypto_ikmp_config_handle_kei_mess, count 4 4d05h: EZVPN(SJVPN): Current State: SS_OPEN 4d05h:
EZVPN(SJVPN): Event: SOCKET_UP 4d05h: ezvpn_socket_up 4d05h: EZVPN(SJVPN): New State:
IPSEC_ACTIVE 4d05h: EZVPN(SJVPN): Current State: IPSEC_ACTIVE 4d05h: EZVPN(SJVPN): Event:
MTU_CHANGED 4d05h: EZVPN(SJVPN): No state change 4d05h: EZVPN(SJVPN): Current State:
IPSEC_ACTIVE 4d05h: EZVPN(SJVPN): Event: SOCKET_UP 4d05h: ezvpn_socket_up 4d05h: EZVPN(SJVPN):
No state change

```

## [Comandos cisco ios show relacionados para pesquisar defeitos](#)

```

1721-1(ADSL)#show crypto ipsec client ezvpn Tunnel name : SJVPN Inside interface list:
Loopback0, Loopback1, Outside interface: FastEthernet0 Current State: IPSEC_ACTIVE Last Event:
SOCKET_UP 1721-1(ADSL)#show crypto isakmp sa dst src state conn-id slot 172.16.172.41
172.16.172.46 QM_IDLE 3 0 1721-1(ADSL)#show crypto ipsec sa interface: FastEthernet0 Crypto map
tag: FastEthernet0-head-0, local addr. 172.16.172.46 local ident (addr/mask/prot/port):
(192.168.253.0/255.255.255.0/0/0) remote ident (addr/mask/prot/port): (0.0.0.0/0.0.0.0/0/0)
current_peer: 172.16.172.41 PERMIT, flags={origin_is_acl,} #pkts encaps: 100, #pkts encrypt:
100, #pkts digest 100 #pkts decaps: 100, #pkts decrypt: 100, #pkts verify 100 #pkts compressed:
0, #pkts decompressed: 0 #pkts not compressed: 0, #pkts compr. failed: 0, #pkts decompress
failed: 0 #send errors 0, #recv errors 0 local crypto endpt.: 172.16.172.46, remote crypto
endpt.: 172.16.172.41 path mtu 1500, media mtu 1500 current outbound spi: 26F92806 inbound esp
sas: spi: 0xA8C469EC(2831444460) transform: esp-3des esp-md5-hmac , in use settings = {Tunnel, }
slot: 0, conn id: 2002, flow_id: 3, crypto map: FastEthernet0-head-0 sa timing: remaining key
lifetime (k/sec): (4607848/28656) IV size: 8 bytes replay detection support: Y inbound ah sas:
inbound pcp sas: outbound esp sas: spi: 0x26F92806(653862918) transform: esp-3des esp-md5-hmac ,
in use settings = {Tunnel, } slot: 0, conn id: 2003, flow_id: 4, crypto map: FastEthernet0-head-0
sa timing: remaining key lifetime (k/sec): (4607848/28647) IV size: 8 bytes replay detection
support: Y outbound ah sas: outbound pcp sas: local ident (addr/mask/prot/port):
(192.168.254.0/255.255.255.0/0/0) remote ident (addr/mask/prot/port): (0.0.0.0/0.0.0.0/0/0)
current_peer: 172.16.172.41 PERMIT, flags={origin_is_acl,} #pkts encaps: 105, #pkts encrypt:
105, #pkts digest 105 #pkts decaps: 105, #pkts decrypt: 105, #pkts verify 105 #pkts compressed:
0, #pkts decompressed: 0 #pkts not compressed: 0, #pkts compr. failed: 0, #pkts decompress
failed: 0 #send errors 0, #recv errors 0 local crypto endpt.: 172.16.172.46, remote crypto
endpt.: 172.16.172.41 path mtu 1500, media mtu 1500 current outbound spi: 502A71B5 inbound esp
sas: spi: 0x3C77C53D(1014482237) transform: esp-3des esp-md5-hmac , in use settings = {Tunnel, }

```

slot: 0, conn id: 2000, flow\_id: 1, crypto map: FastEthernet0-head-0 sa timing: remaining key lifetime (k/sec): (4607847/28644) IV size: 8 bytes replay detection support: Y inbound ah sas: inbound pcp sas: outbound esp sas: spi: **0x502A71B5(1344958901)** transform: esp-3des esp-md5-hmac , in use settings = {Tunnel, } slot: 0, conn id: 2001, flow\_id: 2, crypto map: FastEthernet0-head-0 sa timing: remaining key lifetime (k/sec): (4607847/28644) IV size: 8 bytes replay detection support: Y outbound ah sas: outbound pcp sas:

## [Cancele um túnel ativo](#)

Você pode cancelar os túneis com estes comandos:

- cancele o isakmp cripto
- cancele o sa cripto
- cancele o EzVPN do cliente de IPsec de criptografia

**Nota:** Você pode usar o concentrador VPN a fim logout da sessão quando você escolhe a **administração > sessões de administrador**, seleciona o usuário na **sessão de acesso remota** e clica a **saída**.

## [Debug de VPN 3000 Concentrator](#)

Selecione **Configuration > System > Events > Classes** para habilitar essa depuração caso haja falhas de eventos de conexão. Você pode sempre adicionar mais classes se essas mostradas não o ajudam a identificar o problema.

Para acessar o log de eventos atual na memória, o qual pode ser filtrado por classe de eventos, severidade, endereço IP e assim por diante, selecione **Monitoring > Filterable Event log**.

Para exibir as estatísticas do protocolo IPsec, selecione **Monitoring > Statistics > IPsec**. Essa janela exibe estatísticas da atividade do IPsec (incluindo os túneis IPsec atuais) no VPN Concentrator desde que ele foi reinicializado ou redefinido pela última vez. Estas estatísticas conformam-se ao esboço de IETF para o fluxo do IPsec que monitora o MIB. A janela **Monitoring > Sessions > Detail** também exibe dados do IPsec.

## [que pode dar errado](#)

- O roteador do Cisco IOS obtém colado no estado AG\_INIT\_EXCH. Quando você pesquisar defeitos, gire sobre o IPsec e o ISAKMP debuga com estes comandos: [debug crypto ipsecdebug crypto isakmpdebug crypto ezvpn](#)

No Cisco IOS roteador, você vê este: 5d16h:

```
ISAKMP (0:9): beginning Aggressive Mode exchange
5d16h: ISAKMP (0:9): sending packet to 10.48.66.115 (I) AG_INIT_EXCH
5d16h: ISAKMP (0:9): retransmitting phase 1 AG_INIT_EXCH...
5d16h: ISAKMP (0:9): incrementing error counter on sa: retransmit phase 1
5d16h: ISAKMP (0:9): retransmitting phase 1 AG_INIT_EXCH
5d16h: ISAKMP (0:9): sending packet to 10.48.66.115 (I) AG_INIT_EXCH
5d16h: ISAKMP (0:9): retransmitting phase 1 AG_INIT_EXCH...
5d16h: ISAKMP (0:9): incrementing error counter on sa: retransmit phase 1
5d16h: ISAKMP (0:9): retransmitting phase 1 AG_INIT_EXCH
5d16h: ISAKMP (0:9): sending packet to 10.48.66.115 (I) AG_INIT_EXCH
5d16h: ISAKMP (0:9): retransmitting phase 1 AG_INIT_EXCH...
5d16h: ISAKMP (0:9): incrementing error counter on sa: retransmit phase 1
5d16h: ISAKMP (0:9): retransmitting phase 1 AG_INIT_EXCH
```

5d16h: ISAKMP (0:9): sending packet to 10.48.66.115 (I) AG\_INIT\_EXCH No VPN 3000 concentrator, o Xauth é exigido. Contudo, a proposta selecionada não apoia o Xauth.

Verifique se [internal authentication for Xauth](#) foi especificado. Habilite a autenticação interna e

certifique-se que as propostas IKE tenham o modo de autenticação configurado para **Preshared Keys (Xauth)**, como na [captura de tela](#) anterior. Clique em **Modify** para editar a proposta.

- A senha está incorreta. Você não verá a mensagem **Invalid Password** no roteador Cisco IOS. No VPN Concentrator, você deverá ver **Received unexpected event EV\_ACTIVATE\_NEW\_SA in state AM\_TM\_INIT\_XAUTH**. Assegure-se de que a sua senha esteja correta.
- O username está incorreto. No roteador do Cisco IOS você vê debugar similar a este se você tem a senha errada. No VPN Concentrator você verá **Authentication rejected: Reason = User was not found**.

## [Informações Relacionadas](#)

- [Página de suporte do Cisco VPN 3000 Series Concentrator](#)
- [Fase remota II do Cisco Easy VPN](#)
- [Página de suporte ao cliente do Cisco VPN 3000 Series](#)
- [Página de Suporte de Negociação IPSec/Protocolos IKE](#)
- [Suporte Técnico e Documentação - Cisco Systems](#)