

# Cisco VPN Client para VPN 3000 Concentrator com autenticação SDI IPSec (Server versão 3.3)

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## [Introduction](#)

O Cisco VPN 3000 Concentrator pode ser configurado para autenticar Cisco VPN Clients por meio de um servidor Security Dynamics International (SDI). O VPN 3000 Concentrator atua como um cliente SDI, comunicando-se com o servidor SDI na porta 5500 do User Datagram Protocol (UDP). O documento a seguir mostra como garantir que o servidor SDI, o VPN 3000 Concentrator e o Cisco VPN Client estejam funcionando corretamente e como combinar os componentes. Se o VPN 3000 Concentrator ainda não tiver sido configurado, use as etapas de [Instalar e Configurar o VPN 3000 Concentrator Sem SDI](#) usando a interface de linha de comando (CLI) para a instalação e configuração iniciais. Se seu VPN 3000 Concentrator foi configurado anteriormente, siga as etapas para Modificar a configuração existente (Sem SDI).

## [Prerequisites](#)

## [Requirements](#)

Não existem requisitos específicos para este documento.

## Componentes Utilizados

Esta configuração foi desenvolvida e testada utilizando as versões de software e hardware abaixo.

- Servidor SDI 3.3 (UNIX e NT)
- Concentrador VPN 3000 (2.5.2)
- VPN Client 2.5.2.A

As informações neste documento foram criadas a partir de dispositivos em um ambiente de laboratório específico. All of the devices used in this document started with a cleared (default) configuration. Se você estiver trabalhando em uma rede ativa, certifique-se de que entende o impacto potencial de qualquer comando antes de utilizá-lo.

## Conventions

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

## Informações de Apoio

Este documento se aplica ao Cisco VPN 3000 Client (2.5.x) ou ao Cisco VPN Client (3.x). Com a versão 3.0 e posterior, é possível agora configurar servidores SDI individuais para grupos individuais ao contrário de um servidor SDI definido globalmente e usado por todos os grupos. Os grupos que não têm servidores SDI individuais configurados usarão o servidor SDI definido globalmente.

Há três tipos de modos novos de número de identificação pessoal (PIN) no SDI. O VPN 3000 concentrador suporta as primeiras duas opções conforme mostrado abaixo.

- O usuário seleciona um novo PIN.
- O servidor escolhe um novo PIN e informa os usuários.
- O servidor escolhe um novo PIN e informa os usuários; os usuários podem alterar o PIN.

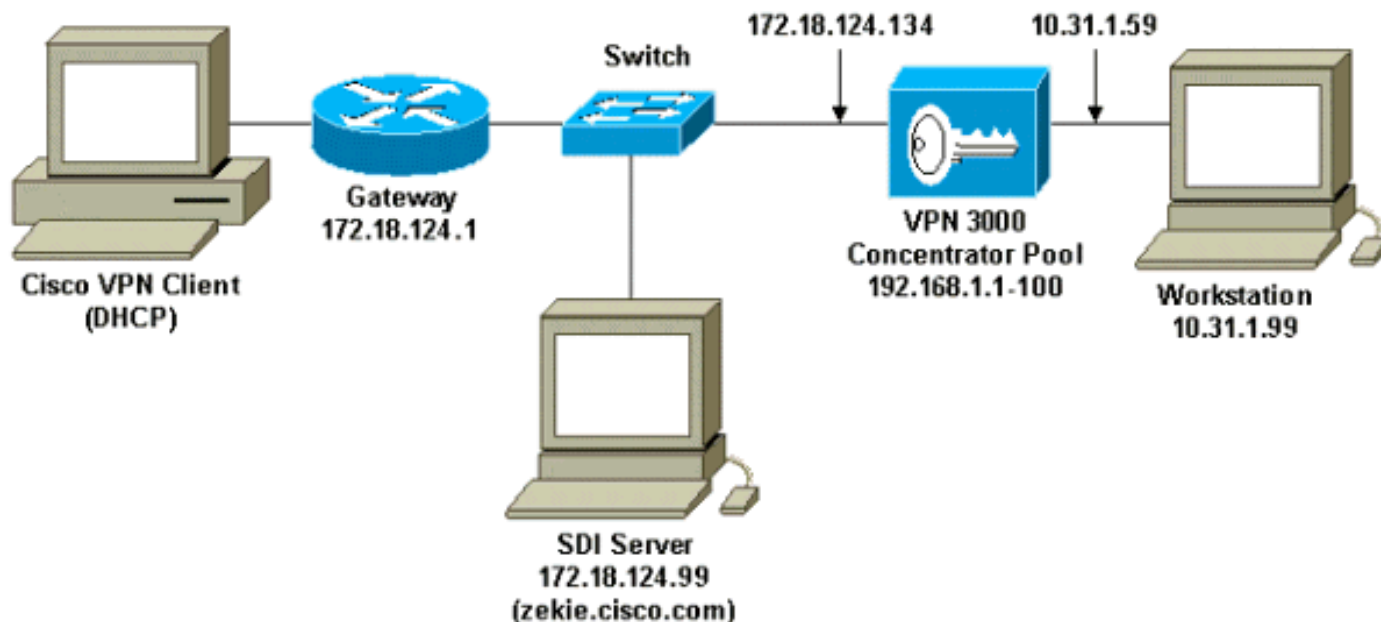
## Configurar

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

**Observação:** para encontrar informações adicionais sobre os comandos usados neste documento, use a [ferramenta Command Lookup Tool](#) (somente clientes [registrados](#)).

## Diagrama de Rede

Este documento utiliza a instalação de rede mostrada no diagrama abaixo.



## Configurações

### Instalar e configurar o concentrador VPN 3000 sem SADI

Configuramos o VPN 3000 Concentrator para autenticar localmente um usuário em um grupo; ao fazer isso antes de adicionar o SDI, podemos determinar que o IPSec entre o Cisco VPN Client e o VPN 3000 Concentrator está funcionando. Limpamos a configuração do Concentrador VPN 3000 na porta do console, em Administration (Administração) > System Reboot (Reinicialização do Sistema) > Schedule reboot (Programar reinicialização) > Reboot with Factory/Default Configuration (Reinicializar com Configuração de Fábrica/Padrão).

Após a reinicialização, foi feita a seguinte configuração inicial:

#### Configuração do Concentrador VPN 3000 Concentrator

```
Login: admin
Password:
```

```

                Welcome to
                Cisco Systems
    VPN 3000 Concentrator Series
    Command Line Interface
Copyright (C) 1998-2000 Cisco Systems, Inc.
```

```
-- : Set the time on your device. The correct time is
very important,
-- : so that logging and accounting entries are
accurate.
```

```
-- : Enter the system time in the following format:
-- :      HH:MM:SS. Example 21:30:00 for 9:30 PM
```

```
> Time
```

```
Quick -> [ 13:02:39 ]
```

```
-- : Enter the date in the following format.
-- : MM/DD/YYYY Example 06/12/1999 for June 12th
```

```

1999.

> Date

Quick -> [ 10/09/2000 ]

-- : Set the time zone on your device. The correct time
zone is very
-- : important so that logging and accounting entries
are accurate.

-- : Enter the time zone using the hour offset from
GMT:
-- : -12 : Kwajalein  -11 : Samoa    -10 : Hawaii
-9 : Alaska
-- :  -8 : PST       -7 : MST      -6 : CST
-5 : EST
-- :  -4 : Atlantic  -3 : Brasilia -2 : Mid-Atlantic
-1 : Azores
-- :   0 : GMT       +1 : Paris    +2 : Cairo
+3 : Kuwait
-- :  +4 : Abu Dhabi +5 : Karachi  +6 : Almaty
+7 : Bangkok
-- :  +8 : Singapore +9 : Tokyo    +10 : Sydney
+11 : Solomon Is.
-- : +12 : Marshall Is.

> Time Zone

Quick -> [ -5 ] -5

1) Enable DST Support
2) Disable DST Support

Quick -> [ 1 ]

This table shows current IP addresses.

      Interface                IP Address/Subnet Mask
MAC Address
-----
| Ethernet 1 - Private |          0.0.0.0/0.0.0.0
|
| Ethernet 2 - Public  |          0.0.0.0/0.0.0.0
|
| Ethernet 3 - External |          0.0.0.0/0.0.0.0
|
-----

** An address is required for the private interface. **

> Enter IP Address

Quick Ethernet 1 -> [ 0.0.0.0 ] 10.31.1.59

Waiting for Network Initialization...

> Enter Subnet Mask

Quick Ethernet 1 -> [ 255.0.0.0 ] 255.255.255.0

```

- 1) Ethernet Speed 10 Mbps
- 2) Ethernet Speed 100 Mbps
- 3) Ethernet Speed 10/100 Mbps Auto Detect

Quick Ethernet 1 -> [ 3 ]

- 1) Enter Duplex - Half/Full/Auto
- 2) Enter Duplex - Full Duplex
- 3) Enter Duplex - Half Duplex

Quick Ethernet 1 -> [ 1 ]

- 1) Modify Ethernet 1 IP Address (Private)
- 2) Modify Ethernet 2 IP Address (Public)
- 3) Modify Ethernet 3 IP Address (External)
- 4) Configure Expansion Cards
- 5) Save changes to Config file
- 6) Continue
- 7) Exit

Quick -> 2

This table shows current IP addresses.

Interface MAC Address	IP Address/Subnet Mask
-----   Ethernet 1 - Private     00.90.A4.00.1C.B4	10.31.1.59/255.255.255.0
Ethernet 2 - Public	0.0.0.0/0.0.0.0
Ethernet 3 - External	0.0.0.0/0.0.0.0

> Enter IP Address

Quick Ethernet 2 -> [ 0.0.0.0 ] **172.18.124.134**

> Enter Subnet Mask

Quick Ethernet 2 -> [ 255.255.0.0 ] **255.255.255.0**

- 1) Ethernet Speed 10 Mbps
- 2) Ethernet Speed 100 Mbps
- 3) Ethernet Speed 10/100 Mbps Auto Detect

Quick Ethernet 2 -> [ 3 ]

- 1) Enter Duplex - Half/Full/Auto
- 2) Enter Duplex - Full Duplex
- 3) Enter Duplex - Half Duplex

Quick Ethernet 2 -> [ 1 ]

- 1) Modify Ethernet 1 IP Address (Private)
- 2) Modify Ethernet 2 IP Address (Public)
- 3) Modify Ethernet 3 IP Address (External)
- 4) Configure Expansion Cards
- 5) Save changes to Config file
- 6) Continue
- 7) Exit

```

Quick -> 6

-- : Assign a system name to this device.

> System Name

Quick -> vpn3000

-- : Specify a local DNS server, which lets you enter
hostnames
-- : rather than IP addresses while configuring.

> DNS Server

Quick -> [ 0.0.0.0 ]

-- : Enter your Internet domain name; e.g.,
yourcompany.com

> Domain

Quick ->

> Default Gateway

Quick -> 172.18.124.1

-- : Configure protocols and encryption options.
-- : This table shows current protocol settings

          PPTP          |          L2TP          |
-----
|          Enabled          |          Enabled          |
| No Encryption Req | No Encryption Req |
-----

1) Enable PPTP
2) Disable PPTP

Quick -> [ 1 ]

1) PPTP Encryption Required
2) No Encryption Required

Quick -> [ 2 ]

1) Enable L2TP
2) Disable L2TP

Quick -> [ 1 ]

1) L2TP Encryption Required
2) No Encryption Required

Quick -> [ 2 ]

1) Enable IPsec
2) Disable IPsec

Quick -> [ 1 ]

-- : Configure address assignment for PPTP, L2TP and
IPsec.

```

- 1) Enable Client Specified Address Assignment
- 2) Disable Client Specified Address Assignment

Quick -> [ 2 ]

- 1) Enable Per User Address Assignment
- 2) Disable Per User Address Assignment

Quick -> [ 2 ]

- 1) Enable DHCP Address Assignment
- 2) Disable DHCP Address Assignment

Quick -> [ 2 ]

- 1) Enable Configured Pool Address Assignment
- 2) Disable Configured Pool Address Assignment

Quick -> [ 2 ] **1**

> Configured Pool Range Start Address

Quick -> **192.168.1.1**

> Configured Pool Range End Address

Quick -> [ 0.0.0.0 ] **192.168.1.100**

-- : Specify how to authenticate users

- 1) Internal Authentication Server
- 2) RADIUS Authentication Server
- 3) NT Domain Authentication Server
- 4) SDI Authentication Server
- 5) Continue

Quick -> [ 1 ] **1**

Current Users

-----

-----

No Users

-----

-----

- 1) Add a User
- 2) Delete a User
- 3) Continue

Quick -> **1**

> User Name

Quick -> **37297304**

> Password

Quick -> **\*\*\*\*\***

Verify -> **\*\*\*\*\***

Current Users

-----

-----

| 1. 37297304

|

```
|
-----
-----
1) Add a User
2) Delete a User
3) Continue

Quick -> 3

> IPsec Group Name

Quick -> vpn3000

> IPsec Group Password

Quick -> *****
Verify -> *****

-- : We strongly recommend that you change the password
for user admin.

> Reset Admin Password

Quick -> [ ***** ]
Verify ->

1) Goto Main Configuration Menu
2) Save changes to Config file
3) Exit

Quick -> 2

1) Goto Main Configuration Menu
2) Save changes to Config file
3) Exit

Quick -> 3

Done
```

### [Modificar a configuração existente \(sem SDI\)](#)

Se o VPN 3000 Concentrator tiver sido configurado previamente, as seguintes telas serão utilizadas para verificar as configurações de grupo, usuário e IPsec/IKE:

1. Use essa tela para adicionar um grupo com autenticação local:



## Configuration | User Management | Groups | Modify vpn3000

Check the **Inherit?** box to set a field that you want to default to the base group value. Uncheck the **Inherit?** box and enter a new value to override base group values.

Identity Parameters		
Attribute	Value	Description
<b>Group Name</b>	vpn3000	Enter a unique name for the group.
<b>Password</b>	*****	Enter the password for the group.
<b>Verify</b>	*****	Verify the group's password.
<b>Type</b>	Internal ▾	<i>External</i> groups are configured on an external authentication server (e.g. RADIUS). <i>Internal</i> groups are configured on the VPN 3000 Concentrator Series's Internal Database.

Apply Cancel

2. Utilize esta tela para incluir um usuário ao grupo com autenticação local:

Configuration | User Management | Users | Modify  
37297304

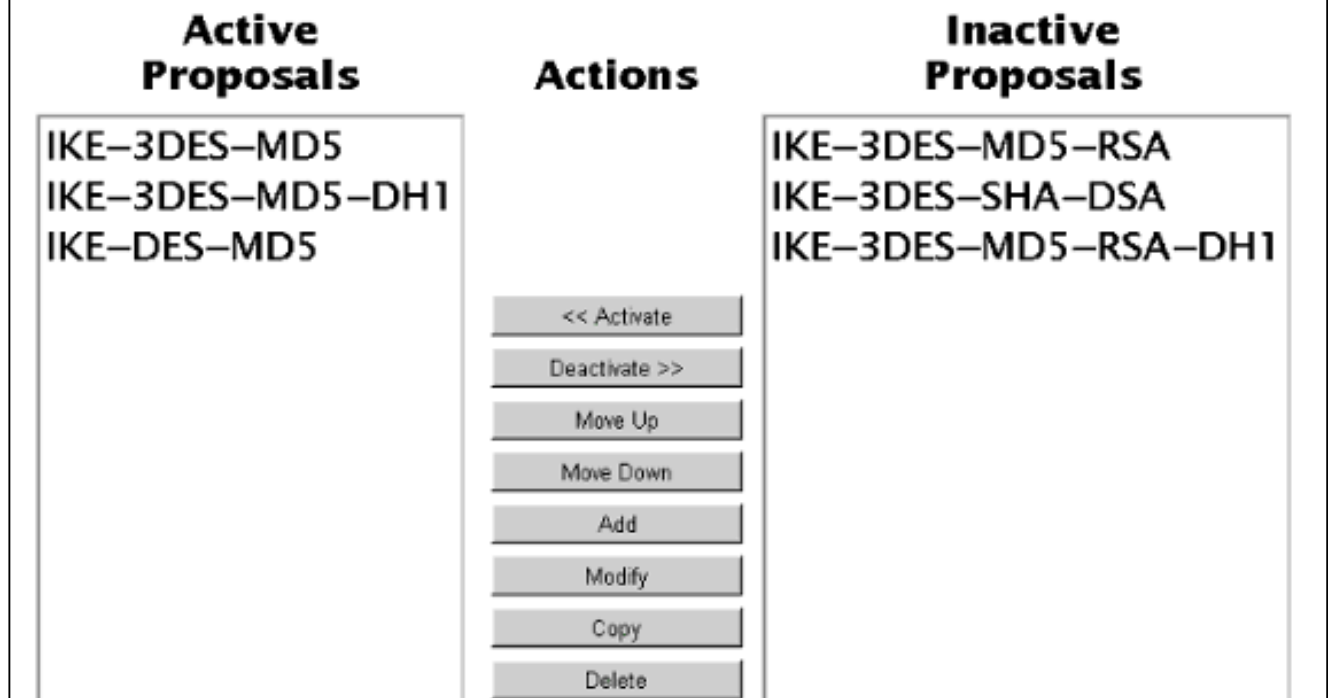
Check the **Inherit?** box to set a field that you want to default to the group value. Uncheck the **Inherit?** box and enter a new value to override group values.

Identity Parameters		
Attribute	Value	Description
User Name	<input type="text" value="37297304"/>	Enter a unique user name.
Password	<input type="password" value="*****"/>	Enter the user's password. The password must satisfy the group password requirements.
Verify	<input type="password" value="*****"/>	Verify the user's password.
Group	<input type="text" value="vpn3000"/>	Enter the group to which this user belongs.
IP Address	<input type="text"/>	Enter the IP address assigned to this user.
Subnet Mask	<input type="text"/>	Enter the subnet mask assigned to this user.

- Use a tela de proposta IPSec > IKE para adicionar configurações de IKE (as configurações mostradas são padrões do sistema):

Select an **Active Proposal** and click **Deactivate** to make it **Inactive**, or click **Move Up** or **Move Down** to change its priority.

Click **Add** or **Copy** to add a new **Inactive Proposal**. IKE Proposals are used by [Security Associations](#) to specify IKE parameters.



### [Teste o Cisco VPN Client e o VPN 3000 Concentrator sem SDI](#)

Após modificar a configuração existente no VPN 3000 Concentrator, instalamos o Cisco VPN Client e configuramos uma nova conexão para concluir em 172.18.124.134 (a interface pública de concentrador). Nossas informações de acesso ao grupo eram "vpn3000" (o nome do grupo) e a senha do grupo era a senha do grupo. Quando clicamos em **Connect**, o nome de usuário era "37297304" (nome do usuário) e a senha do usuário era a senha do usuário (armazenada localmente no VPN 3000 Concentrator; o SDI ainda não está envolvido). Veja [Boa depuração de IPsec com autenticação local](#) para a depuração de IKE, IKEDBG, IKEDECODE, IPSEC, IPSECDBG, IPSECDECODE.

### [Teste da operação do servidor SDI sem o VPN 3000 Concentrator](#)

#### UNIX (Solaris)

1. No servidor SDI, crie uma conta sditest utilizando a ferramenta admintool do Solaris. A entrada /etc/senha deve ter a seguinte aparência:

```
sditest:x:76:10:://local/0/sditest:/local/0/opt/ace/prog/sdshell
```

**Observação:** os valores e os caminhos para o diretório inicial do usuário e o "sdshell" dependem do sistema.

2. Atribua um token ao sditest.
3. Tente Telnet no host UNIX como sditest. O host solicita que você forneça uma senha UNIX e o PASSCODE. Após a autenticação, ele permite que você entre como sditest naquele host.

#### Microsoft Windows NT

1. Instale o SecurSight Agent.
2. Selecione Programs > SecurSight > Test Authentication.

### [Configure o SDI/User para se comunicar com o VPN 3000 Concentrator](#)

Use as seguintes etapas para configurar SDI/User para se comunicar com o VPN 3000 Concentrator:

1. Na tela SDI Server Edit Token (Editar token do servidor SDI), verifique se o token está "Enabled" (Habilitado) e não no modo New PIN (Novo PIN).
2. Clique em **Resynchronize Token** e **Set PIN to Next Tokencode**.



3. Na tela Edit User, atribua um token ao usuário e certifique-se de que "Allowed to create a PIN" não esteja marcado.
4. Clique em Client Ativations (Ativações do cliente) e verifique se o VPN 3000 Concentrator está incluído.

**Edit User**

First and last name:

Default login:

Default shell:

Local User  Remote User

Serial Number	Type	Status
000037297304	Key Fob	Enabled

O: Original token R: Replacement for previous token

Role: <none>

Assigned Profile:

Temporary user

Start date: 12/31/1985 , 19:00 End date: 12/31/1985 , 19:00

Allowed to create a PIN  Required to create a PIN

Assign Token...	Edit Assigned Token...	Administrative Role...
Group Memberships...	Client Activations...	Edit User Extension Data...
Set/Change User Password...	Remove User Password	Edit Access Times...
Assign Profile...	Remove Profile Assignment	Delete User

OK Cancel Apply L/S Changes Set All L/S Help

**Observação:** o VPN 3000 Concentrator é considerado um cliente do servidor SDI; a tela abaixo é a tela Adicionar/editar cliente do servidor SDI. Como este é um novo cliente, a caixa "Sent Node Secret" está acinzentada. O servidor SDI não teve a oportunidade de enviar o arquivo "segredo do nó" ao concentrador (esse arquivo será exibido no concentrador na seção Administration > File Management > Files como "SECURID"). Depois de uma autenticação bem-sucedida do VPN 3000, o arquivo de segredo de nó é exibido no concentrador VPN 3000 e a caixa "Sent Node Secret" é marcada.

5. Clique em **Ativações do usuário** e verifique se o usuário está incluído.

### [Configure e Teste o VPN 3000 Concentrator para SDI](#)

Siga as etapas a seguir para configurar e testar o VPN 3000 Concentrator para SDI.

1. Use a tela a seguir para configurar o VPN 3000 Concentrator para autenticar em SDI:

Change a configured user authentication server.

**Server Type**

Selecting *Internal Server* will let you add users to the internal user database.

**Authentication Server**

Enter IP address or hostname.

**Server Port**

Enter 0 for default port (5500).

**Timeout**

Enter the timeout for this server (seconds).

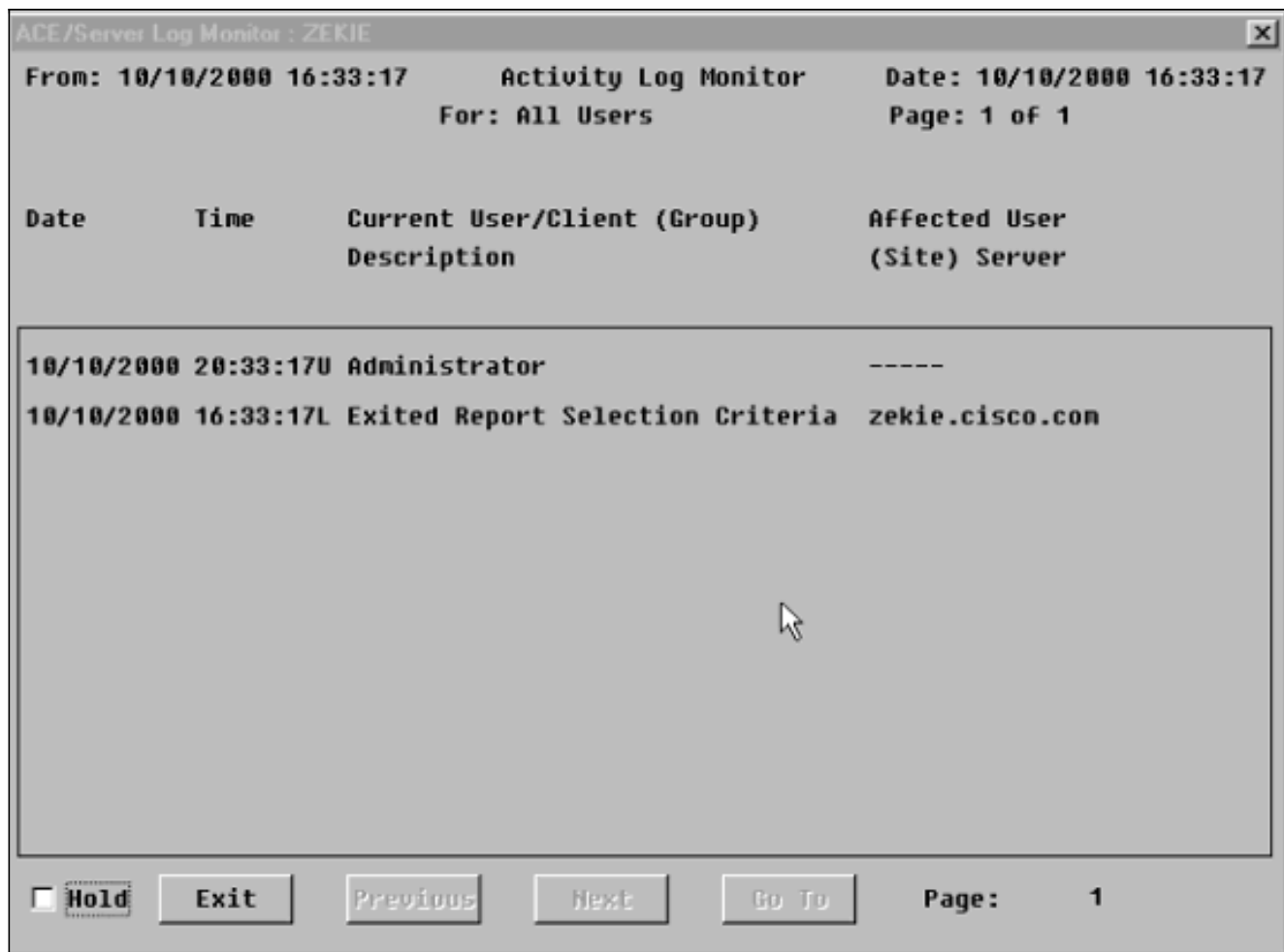
**Retries**

Enter the number of retries for this server.

Apply

Cancel

2. A partir do SDI, vá até Relatório > Monitor de registro > Monitor de atividade e clique em OK para observar as solicitações de entrada.



3. No VPN 3000 Concentrator, clique em Test para testar a conexão.

This section lets you configure parameters for servers that authenticate users.

You should have a properly configured RADIUS, NT Domain, or SDI server to access, or you can configure the internal server and [add users to the internal database](#).

Click the **Add** button to add a server, or select a server and click **Modify**, **Delete**, **Move**, or **Test**.

Authentication Servers	Actions
<p>Internal (Internal) 172.18.124.99 (SDI)</p>	<p>Add Modify Delete Move Up Move Down Test</p>

4. Se a autenticação for boa, o VPN 3000 Concentrator exibirá: **Autenticação Bem-Sucedida**  
No exemplo acima, definimos um servidor SDI global. Também podemos optar por definir servidores SDI individuais para cada grupo indo para Configuration > User Management > Groups, destacando o respectivo grupo e escolhendo Modify Auth Server.

Para obter informações sobre depuração, consulte as seguintes seções deste documento:

- [Ligando a depuração no VPN 3000 Concentrator](#)
- [Boa depuração com SDI](#)
- [Debugs ruins](#)

## Verificar

Esta seção fornece informações que você pode usar para confirmar se sua configuração está funcionando adequadamente.

## Testar o Cisco VPN Client para o VPN 3000 Concentrator com SDI

Se tudo funcionar até esse ponto, é hora de combinar o Cisco VPN Client, o VPN 3000



Concentrador e o servidor SDI. Precisamos fazer uma alteração no VPN 3000 Concentrador modificando o grupo em funcionamento que chamamos de vpn3000 para enviar solicitações ao servidor de SDI.

Configuration | User Management | Groups | Modify vpn3000

Check the **Inherit?** box to set a field that you want to default to the base group value. Uncheck the **Inherit?** box and enter a new value to override base group values.

Identity    General    **IPSec**    PPTP/L2TP

IPSec Parameters			
Attribute	Value	Inherit?	Description
IPSec SA	ESP-3DES-MD5	<input checked="" type="checkbox"/>	Select the group's IPSec Security Association.
Tunnel Type	Remote Access	<input checked="" type="checkbox"/>	Select the type of tunnel for this group. Update the Remote Access parameters below as needed
Remote Access Parameters			
Group Lock	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lock users into this group.
Authentication	SDI	<input type="checkbox"/>	Select the authentication method for users in this group.
Mode Configuration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Check to use Mode Configuration for users of this group. Update parameters below if checked.
Mode Configuration Parameters			
Banner		<input checked="" type="checkbox"/>	Enter the banner for this group.

## Troubleshoot

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

### Ligando a depuração no VPN 3000 Concentrador

Nome da classe para autenticação:

- AUTH
- AUTHDBG
- CÓDIGO AUTOMÁTICO

Nome da classe para IPSec:

- IKE, IKEDBG, IKEDECODE
- IPSEC, IPSECDBG, IPSECDECODE
- Gravidade para registro = 1-9
- Severidade para console = 1-3

This screen lets you add and configure an event class for special handling.

<b>Class Name</b>	<input type="text" value="Select Class"/>	Select the event class to configure.
<b>Enable</b>	<input type="checkbox"/>	Check to enable special handling of this class.
<b>Severity to Log</b>	<input type="text" value="1-5"/>	Select the range of severity values to enter in the log.
<b>Severity to Console</b>	<input type="text" value="1-3"/>	Select the range of severity values to display on the console.
<b>Severity to Syslog</b>	<input type="text" value="None"/>	Select the range of severity values to send to a Syslog server.
<b>Severity to Email</b>	<input type="text" value="None"/>	Select the range of severity values to send via email to the recipient list.
<b>Severity to Trap</b>	<input type="text" value="None"/>	Select the range of severity values to send to an SNMP system.

Clique em **Get Log** para exibir os resultados da operação de depuração.

## Monitoring | Event Log

### Select Filter Options

**Event Class**

All Classes  
AUTH  
AUTHDBG  
AUTHDECODE

**Severities**

ALL  
1  
2  
3

**Client IP Address**

0.0.0.0

**Events/Page**

100

**Direction**

Oldest to Newest



### [Bom debug de IPsec com autenticação local](#)

1 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=1 161.44.17.135

```
ISAKMP HEADER :      ( Version 1.0 )
  Initiator Cookie(8): 9D F3 34 FE 89 BF AA B2
  Responder Cookie(8): 00 00 00 00 00 00 00 00
  Next Payload :      SA (1)
  Exchange Type :      Oakley Aggressive Mode
  Flags :              0
  Message ID :         0
  Length :             307
```

7 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=1 161.44.17.135

```
RECEIVED Message (msgid=0) with payloads :
HDR + SA (1) + KE (4) + NONCE (10) + ID (5) + VENDOR (13) + NONE (0)
... total length : 307
```

10 10/10/2000 17:12:32.560 SEV=9 IKEDBG/0 RPT=2 161.44.17.135

processing SA payload

11 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=2 161.44.17.135

```
SA Payload Decode :
  DOI :                IPSEC (1)
  Situation :          Identity Only (1)
  Length :             120
```

14 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=3 161.44.17.135

```
Proposal Decode:
  Proposal # :         1
  Protocol ID :        ISAKMP (1)
  #of Transforms:     4
  Spi :              00 00 00 00
  Length :           108
```

18 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=4 161.44.17.135

```
Transform # 1 Decode for Proposal # 1:
  Transform # :        1
  Transform ID :       IKE (1)
```

Length : 24

20 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=5 161.44.17.135  
Phase 1 SA Attribute Decode for Transform # 1:  
Encryption Alg: DES-CBC (1)  
Hash Alg : MD5 (1)  
DH Group : Oakley Group 1 (1)  
Auth Method : Preshared Key (1)

24 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=6 161.44.17.135  
Transform # 2 Decode for Proposal # 1:  
Transform # : 2  
Transform ID : IKE (1)  
Length : 24

26 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=7 161.44.17.135  
Phase 1 SA Attribute Decode for Transform # 2:  
Encryption Alg: Triple-DES (5)  
Hash Alg : MD5 (1)  
DH Group : Oakley Group 1 (1)  
Auth Method : Preshared Key (1)

30 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=8 161.44.17.135  
Transform # 3 Decode for Proposal # 1:  
Transform # : 3  
Transform ID : IKE (1)  
Length : 24

32 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=9 161.44.17.135  
Phase 1 SA Attribute Decode for Transform # 3:  
Encryption Alg: Triple-DES (5)  
Hash Alg : SHA (2)  
DH Group : Oakley Group 1 (1)  
Auth Method : Preshared Key (1)

36 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=10 161.44.17.135  
Transform # 4 Decode for Proposal # 1:  
Transform # : 4  
Transform ID : IKE (1)  
Length : 24

38 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=11 161.44.17.135  
Phase 1 SA Attribute Decode for Transform # 4:  
Encryption Alg: DES-CBC (1)  
Hash Alg : SHA (2)  
DH Group : Oakley Group 1 (1)  
Auth Method : Preshared Key (1)

42 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=3 161.44.17.135  
Proposal # 1, Transform # 1, Type ISAKMP, Id IKE  
Parsing received transform:  
Phase 1 failure against global IKE proposal # 1:  
Mismatched attr types for class DH Group:  
Rcv'd: Oakley Group 1  
Cfg'd: Oakley Group 2

47 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=4 161.44.17.135  
Phase 1 failure against global IKE proposal # 2:  
Mismatched attr types for class Encryption Alg:  
Rcv'd: DES-CBC  
Cfg'd: Triple-DES

50 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=5 161.44.17.135  
Proposal # 1, Transform # 2, Type ISAKMP, Id IKE

Parsing received transform:

Phase 1 failure against global IKE proposal # 1:  
Mismatched attr types for class DH Group:  
Rcv'd: Oakley Group 1  
Cfg'd: Oakley Group 2

55 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=6 161.44.17.135

Proposal # 1, Transform # 3, Type ISAKMP, Id IKE

Parsing received transform:

Phase 1 failure against global IKE proposal # 1:  
Mismatched attr types for class DH Group:  
Rcv'd: Oakley Group 1  
Cfg'd: Oakley Group 2

60 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=7 161.44.17.135

Phase 1 failure against global IKE proposal # 2:

Mismatched attr types for class Hash Alg:  
Rcv'd: SHA  
Cfg'd: MD5

62 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=8 161.44.17.135

Phase 1 failure against global IKE proposal # 3:

Mismatched attr types for class Encryption Alg:  
Rcv'd: Triple-DES  
Cfg'd: DES-CBC

65 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=9 161.44.17.135

Proposal # 1, Transform # 4, Type ISAKMP, Id IKE

Parsing received transform:

Phase 1 failure against global IKE proposal # 1:  
Mismatched attr types for class DH Group:  
Rcv'd: Oakley Group 1  
Cfg'd: Oakley Group 2

70 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=10 161.44.17.135

Phase 1 failure against global IKE proposal # 2:

Mismatched attr types for class Encryption Alg:  
Rcv'd: DES-CBC  
Cfg'd: Triple-DES

73 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=11 161.44.17.135

Phase 1 failure against global IKE proposal # 3:

Mismatched attr types for class Hash Alg:  
Rcv'd: SHA  
Cfg'd: MD5

75 10/10/2000 17:12:32.560 SEV=7 IKEDBG/0 RPT=12 161.44.17.135

Oakley proposal is acceptable

76 10/10/2000 17:12:32.560 SEV=9 IKEDBG/0 RPT=13 161.44.17.135

processing ke payload

77 10/10/2000 17:12:32.560 SEV=9 IKEDBG/0 RPT=14 161.44.17.135

processing ISA\_KE

78 10/10/2000 17:12:32.560 SEV=9 IKEDBG/1 RPT=1 161.44.17.135

processing nonce payload

79 10/10/2000 17:12:32.560 SEV=9 IKEDBG/1 RPT=2 161.44.17.135

Processing ID

80 10/10/2000 17:12:32.560 SEV=9 IKEDBG/1 RPT=3 161.44.17.135

processing vid payload

81 10/10/2000 17:12:32.580 SEV=9 IKEDBG/23 RPT=1 161.44.17.135  
Starting group lookup for peer 161.44.17.135

82 10/10/2000 17:12:32.680 SEV=7 IKEDBG/0 RPT=15 161.44.17.135  
Found Phase 1 Group (vpn3000)

83 10/10/2000 17:12:32.680 SEV=7 IKEDBG/14 RPT=1 161.44.17.135  
Authentication configured for Internal

84 10/10/2000 17:12:32.680 SEV=9 IKEDBG/0 RPT=16 161.44.17.135  
constructing ISA\_SA for isakmp

85 10/10/2000 17:12:32.680 SEV=9 IKEDBG/0 RPT=17 161.44.17.135  
constructing ke payload

86 10/10/2000 17:12:32.680 SEV=9 IKEDBG/1 RPT=4 161.44.17.135  
constructing nonce payload

87 10/10/2000 17:12:32.680 SEV=9 IKE/0 RPT=1 161.44.17.135  
Generating keys for Responder...

88 10/10/2000 17:12:32.680 SEV=9 IKEDBG/1 RPT=5 161.44.17.135  
constructing ID

89 10/10/2000 17:12:32.680 SEV=9 IKEDBG/0 RPT=18  
construct hash payload

90 10/10/2000 17:12:32.680 SEV=9 IKEDBG/0 RPT=19 161.44.17.135  
computing hash

91 10/10/2000 17:12:32.680 SEV=9 IKEDBG/1 RPT=6 161.44.17.135  
constructing vid payload

92 10/10/2000 17:12:32.680 SEV=8 IKEDBG/0 RPT=20 161.44.17.135  
SENDING Message (msgid=0) with payloads :  
HDR + SA (1) ... total length : 248

93 10/10/2000 17:12:32.730 SEV=8 IKEDECODE/0 RPT=12 161.44.17.135  
ISAKMP HEADER : ( Version 1.0 )  
Initiator Cookie(8): 9D F3 34 FE 89 BF AA B2  
Responder Cookie(8): B7 AD 34 D2 74 4D 05 DA  
Next Payload : HASH (8)  
Exchange Type : Oakley Aggressive Mode  
Flags : 1 (ENCRYPT )  
Message ID : 0  
Length : 52

99 10/10/2000 17:12:32.730 SEV=8 IKEDBG/0 RPT=21 161.44.17.135  
RECEIVED Message (msgid=0) with payloads :  
HDR + HASH (8) + NONE (0) ... total length : 48

101 10/10/2000 17:12:32.730 SEV=9 IKEDBG/0 RPT=22 161.44.17.135  
processing hash

102 10/10/2000 17:12:32.730 SEV=9 IKEDBG/0 RPT=23 161.44.17.135  
computing hash

103 10/10/2000 17:12:33.410 SEV=8 IKEDECODE/0 RPT=13 161.44.17.135  
ISAKMP HEADER : ( Version 1.0 )  
Initiator Cookie(8): 9D F3 34 FE 89 BF AA B2  
Responder Cookie(8): B7 AD 34 D2 74 4D 05 DA  
Next Payload : HASH (8)  
Exchange Type : Oakley Quick Mode  
Flags : 1 (ENCRYPT )

Message ID : 48687ca1  
Length : 308

110 10/10/2000 17:12:33.410 SEV=9 IKEDBG/21 RPT=1 161.44.17.135  
Delay Quick Mode processing, Cert/Trans Exch/RM DSID in progress

111 10/10/2000 17:12:33.410 SEV=9 IKEDBG/0 RPT=24 161.44.17.135  
constructing blank hash

112 10/10/2000 17:12:33.410 SEV=9 IKEDBG/0 RPT=25 161.44.17.135  
constructing qm hash

113 10/10/2000 17:12:33.410 SEV=8 IKEDBG/0 RPT=26 161.44.17.135  
SENDING Message (msgid=fc2ce5eb) with payloads :  
HDR + HASH (8) ... total length : 68

115 10/10/2000 17:12:44.680 SEV=8 IKEDECODE/0 RPT=14 161.44.17.135  
ISAKMP HEADER : ( Version 1.0 )  
Initiator Cookie(8): 9D F3 34 FE 89 BF AA B2  
Responder Cookie(8): B7 AD 34 D2 74 4D 05 DA  
Next Payload : HASH (8)  
Exchange Type : Oakley Transactional  
Flags : 1 (ENCRYPT )  
Message ID : fc2ce5eb  
Length : 92

122 10/10/2000 17:12:44.680 SEV=8 IKEDBG/0 RPT=27 161.44.17.135  
RECEIVED Message (msgid=fc2ce5eb) with payloads :  
HDR + HASH (8) + ATTR (14) + NONE (0) ... total length : 85

124 10/10/2000 17:12:44.680 SEV=9 IKEDBG/1 RPT=7  
process\_attr(): Enter!

125 10/10/2000 17:12:44.680 SEV=9 IKEDBG/1 RPT=8  
Processing cfg reply attributes.

126 10/10/2000 17:12:44.980 SEV=7 IKEDBG/14 RPT=2 161.44.17.135  
User [ 37297304 ]  
Authentication configured for Internal

127 10/10/2000 17:12:44.980 SEV=4 IKE/52 RPT=7 161.44.17.135  
User [ 37297304 ]  
User (37297304) authenticated.

128 10/10/2000 17:12:44.980 SEV=9 IKEDBG/31 RPT=1 161.44.17.135  
User [ 37297304 ]  
Obtained IP addr (192.168.1.1) prior to initiating Mode Cfg (XAuth enabled)

130 10/10/2000 17:12:44.980 SEV=9 IKEDBG/0 RPT=28 161.44.17.135  
User [ 37297304 ]  
constructing blank hash

131 10/10/2000 17:12:44.980 SEV=9 IKEDBG/0 RPT=29 161.44.17.135  
0000: 00010004 C0A80101 F0010000 .....

132 10/10/2000 17:12:44.980 SEV=9 IKEDBG/0 RPT=30 161.44.17.135  
User [ 37297304 ]  
constructing QM hash

133 10/10/2000 17:12:44.980 SEV=8 IKEDBG/0 RPT=31 161.44.17.135  
SENDING Message (msgid=fc2ce5eb) with payloads :  
HDR + HASH (8) ... total length : 80

135 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=15 161.44.17.135

ISAKMP HEADER : ( Version 1.0 )  
Initiator Cookie(8): 9D F3 34 FE 89 BF AA B2  
Responder Cookie(8): B7 AD 34 D2 74 4D 05 DA  
Next Payload : HASH (8)  
Exchange Type : Oakley Transactional  
Flags : 1 (ENCRYPT )  
Message ID : fc2ce5eb  
Length : 68

142 10/10/2000 17:12:44.990 SEV=8 IKEDBG/0 RPT=32 161.44.17.135  
RECEIVED Message (msgid=fc2ce5eb) with payloads :  
HDR + HASH (8) + ATTR (14) + NONE (0) ... total length : 64

144 10/10/2000 17:12:44.990 SEV=9 IKEDBG/1 RPT=9  
process\_attr(): Enter!

145 10/10/2000 17:12:44.990 SEV=9 IKEDBG/1 RPT=10  
Processing cfg ACK attributes

146 10/10/2000 17:12:44.990 SEV=9 IKEDBG/1 RPT=11  
Received IPV4 address ack!

147 10/10/2000 17:12:44.990 SEV=9 IKEDBG/1 RPT=12  
Received Save PW ack!

148 10/10/2000 17:12:44.990 SEV=4 AUTH/21 RPT=18  
User 37297304 connected

149 10/10/2000 17:12:44.990 SEV=7 IKEDBG/22 RPT=1 161.44.17.135  
User [ 37297304 ]  
Resume Quick Mode processing, Cert/Trans Exch/RM DSID completed

151 10/10/2000 17:12:44.990 SEV=8 IKEDBG/0 RPT=33 161.44.17.135  
RECEIVED Message (msgid=48687ca1) with payloads :  
HDR + HASH (8) + SA (1) + NONCE (10) + ID (5) + ID (5) + NOTIFY (11) + NONE (0)  
... total length : 304

154 10/10/2000 17:12:44.990 SEV=9 IKEDBG/0 RPT=34 161.44.17.135  
User [ 37297304 ]  
processing hash

155 10/10/2000 17:12:44.990 SEV=9 IKEDBG/0 RPT=35 161.44.17.135  
User [ 37297304 ]  
processing SA payload

156 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=16 161.44.17.135  
SA Payload Decode :  
DOI : IPSEC (1)  
Situation : Identity Only (1)  
Length : 180

159 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=17 161.44.17.135  
Proposal Decode:  
Proposal # : 1  
Protocol ID : ESP (3)  
#of Transforms: 1  
Spi : 99 15 18 B4  
Length : 28

163 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=18 161.44.17.135  
Transform # 1 Decode for Proposal # 1:  
Transform # : 1  
Transform ID : DES-CBC (2)  
Length : 16



165 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=19 161.44.17.135  
Phase 2 SA Attribute Decode for Transform # 1:  
HMAC Algorithm: MD5 (1)  
Encapsulation : Tunnel (1)

167 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=20 161.44.17.135  
Proposal Decode:  
Proposal # : 2  
Protocol ID : ESP (3)  
#of Transforms: 1  
Spi : 99 15 18 B4  
Length : 28

171 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=21 161.44.17.135  
Transform # 1 Decode for Proposal # 2:  
Transform # : 1  
Transform ID : Triple-DES (3)  
Length : 16

173 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=22 161.44.17.135  
Phase 2 SA Attribute Decode for Transform # 1:  
HMAC Algorithm: MD5 (1)  
Encapsulation : Tunnel (1)

175 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=23 161.44.17.135  
Proposal Decode:  
Proposal # : 3  
Protocol ID : ESP (3)  
#of Transforms: 1  
Spi : 99 15 18 B4  
Length : 28

179 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=24 161.44.17.135  
Transform # 1 Decode for Proposal # 3:  
Transform # : 1  
Transform ID : DES-CBC (2)  
Length : 16

181 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=25 161.44.17.135  
Phase 2 SA Attribute Decode for Transform # 1:  
HMAC Algorithm: SHA (2)  
Encapsulation : Tunnel (1)

183 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=26 161.44.17.135  
Proposal Decode:  
Proposal # : 4  
Protocol ID : ESP (3)  
#of Transforms: 1  
Spi : 99 15 18 B4  
Length : 28

187 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=27 161.44.17.135  
Transform # 1 Decode for Proposal # 4:  
Transform # : 1  
Transform ID : Triple-DES (3)  
Length : 16

189 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=28 161.44.17.135  
Phase 2 SA Attribute Decode for Transform # 1:  
HMAC Algorithm: SHA (2)  
Encapsulation : Tunnel (1)

191 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=29 161.44.17.135

Proposal Decode:

Proposal # : 5  
Protocol ID : ESP (3)  
#of Transforms: 1  
Spi : 99 15 18 B4  
Length : 28

195 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=30 161.44.17.135  
Transform # 1 Decode for Proposal # 5:

Transform # : 1  
Transform ID : NULL (11)  
Length : 16

197 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=31 161.44.17.135  
Phase 2 SA Attribute Decode for Transform # 1:

HMAC Algorithm: MD5 (1)  
Encapsulation : Tunnel (1)

199 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=32 161.44.17.135  
Proposal Decode:

Proposal # : 6  
Protocol ID : ESP (3)  
#of Transforms: 1  
Spi : 99 15 18 B4  
Length : 28

203 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=33 161.44.17.135  
Transform # 1 Decode for Proposal # 6:

Transform # : 1  
Transform ID : NULL (11)  
Length : 16

205 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=34 161.44.17.135  
Phase 2 SA Attribute Decode for Transform # 1:

HMAC Algorithm: SHA (2)  
Encapsulation : Tunnel (1)

207 10/10/2000 17:12:44.990 SEV=9 IKEDBG/1 RPT=13 161.44.17.135  
User [ 37297304 ]  
processing nonce payload

208 10/10/2000 17:12:44.990 SEV=9 IKEDBG/1 RPT=14 161.44.17.135  
User [ 37297304 ]  
Processing ID

209 10/10/2000 17:12:44.990 SEV=5 IKE/25 RPT=13 161.44.17.135  
User [ 37297304 ]  
Received remote Proxy Host data in ID Payload:  
Address 161.44.17.135, Protocol 0, Port 0

212 10/10/2000 17:12:44.990 SEV=7 IKEDBG/1 RPT=15 161.44.17.135  
User [ 37297304 ]  
Modifying client proxy src address!

213 10/10/2000 17:12:44.990 SEV=9 IKEDBG/1 RPT=16 161.44.17.135  
User [ 37297304 ]  
Processing ID

214 10/10/2000 17:12:44.990 SEV=5 IKE/24 RPT=7 161.44.17.135  
User [ 37297304 ]  
Received local Proxy Host data in ID Payload:  
Address 172.18.124.134, Protocol 0, Port 0

217 10/10/2000 17:12:44.990 SEV=9 IKEDBG/0 RPT=36 161.44.17.135

User [ 37297304 ]

Processing Notify payload

218 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=35 161.44.17.135

Notify Payload Decode :

DOI : IPSEC (1)  
Protocol : ISAKMP (1)  
Message : Initial contact (24578)  
Spi : 9D F3 34 FE 89 BF AA B2 B7 AD 34 D2 74 4D 05 DA  
Length : 28

224 10/10/2000 17:12:44.990 SEV=8 IKEDBG/0 RPT=37

QM IsRekeyed old sa not found by addr

225 10/10/2000 17:12:44.990 SEV=5 IKE/66 RPT=13 161.44.17.135

User [ 37297304 ]

IKE Remote Peer configured for SA: ESP-3DES-MD5

226 10/10/2000 17:12:44.990 SEV=9 IKEDBG/0 RPT=38 161.44.17.135

User [ 37297304 ]

processing IPSEC SA

227 10/10/2000 17:12:44.990 SEV=8 IKEDBG/0 RPT=39

Proposal # 1, Transform # 1, Type ESP, Id DES-CBC

Parsing received transform:

Phase 2 failure:

Mismatched transform IDs for protocol ESP:

Rcv'd: DES-CBC

Cfg'd: Triple-DES

232 10/10/2000 17:12:45.000 SEV=7 IKEDBG/27 RPT=1 161.44.17.135

User [ 37297304 ]

IPSec SA Proposal # 2, Transform # 1 acceptable

233 10/10/2000 17:12:45.000 SEV=7 IKEDBG/0 RPT=40 161.44.17.135

User [ 37297304 ]

IKE: requesting SPI!

234 10/10/2000 17:12:45.000 SEV=6 IKE/0 RPT=2

AM received unexpected event EV\_ACTIVATE\_NEW\_SA in state AM\_ACTIVE

235 10/10/2000 17:12:45.000 SEV=9 IPSECDBG/6 RPT=1

IPSEC key message parse - msgtype 6, len 164, vers 1, pid 00000000, seq 13,  
err 0, type 2, mode 0, state 32, label 0, pad 0, spi 00000000, encrKeyLen 0,  
hashKeyLen 0, ivlen 0, alg 0, hmacAlg 0, lifetype 0, lifetime1 300,  
lifetime2 2000000000, dsId 2

239 10/10/2000 17:12:45.000 SEV=9 IPSECDBG/1 RPT=1

Processing KEY\_GETSPI msg!

240 10/10/2000 17:12:45.000 SEV=7 IPSECDBG/13 RPT=1

Reserved SPI 1773955517

241 10/10/2000 17:12:45.000 SEV=8 IKEDBG/6 RPT=1

IKE got SPI from key engine: SPI = 0x69bc69bd

242 10/10/2000 17:12:45.000 SEV=9 IKEDBG/0 RPT=41 161.44.17.135

User [ 37297304 ]

oakley constructing quick mode

243 10/10/2000 17:12:45.000 SEV=9 IKEDBG/0 RPT=42 161.44.17.135

User [ 37297304 ]

constructing blank hash

244 10/10/2000 17:12:45.000 SEV=9 IKEDBG/0 RPT=43 161.44.17.135  
User [ 37297304 ]  
constructing ISA\_SA for ipsec

245 10/10/2000 17:12:45.000 SEV=9 IKEDBG/1 RPT=17 161.44.17.135  
User [ 37297304 ]  
constructing ipsec nonce payload

246 10/10/2000 17:12:45.000 SEV=9 IKEDBG/1 RPT=18 161.44.17.135  
User [ 37297304 ]  
constructing proxy ID

247 10/10/2000 17:12:45.000 SEV=7 IKEDBG/0 RPT=44 161.44.17.135  
User [ 37297304 ]  
Transmitting Proxy Id:  
Remote host: 192.168.1.1 Protocol 0 Port 0  
Local host: 172.18.124.134 Protocol 0 Port 0

251 10/10/2000 17:12:45.000 SEV=9 IKEDBG/0 RPT=45 161.44.17.135  
User [ 37297304 ]  
constructing QM hash

252 10/10/2000 17:12:45.000 SEV=8 IKEDBG/0 RPT=46 161.44.17.135  
SENDING Message (msgid=48687ca1) with payloads :  
HDR + HASH (8) ... total length : 136

254 10/10/2000 17:12:45.010 SEV=8 IKEDECODE/0 RPT=36 161.44.17.135  
ISAKMP HEADER : ( Version 1.0 )  
Initiator Cookie(8): 9D F3 34 FE 89 BF AA B2  
Responder Cookie(8): B7 AD 34 D2 74 4D 05 DA  
Next Payload : HASH (8)  
Exchange Type : Oakley Quick Mode  
Flags : 1 (ENCRYPT )  
Message ID : 48687ca1  
Length : 52

261 10/10/2000 17:12:45.010 SEV=8 IKEDBG/0 RPT=47 161.44.17.135  
RECEIVED Message (msgid=48687ca1) with payloads :  
HDR + HASH (8) + NONE (0) ... total length : 48

263 10/10/2000 17:12:45.010 SEV=9 IKEDBG/0 RPT=48 161.44.17.135  
User [ 37297304 ]  
processing hash

264 10/10/2000 17:12:45.010 SEV=9 IKEDBG/0 RPT=49 161.44.17.135  
User [ 37297304 ]  
loading all IPSEC SAs

265 10/10/2000 17:12:45.010 SEV=9 IKEDBG/1 RPT=19 161.44.17.135  
User [ 37297304 ]  
Generating Quick Mode Key!

266 10/10/2000 17:12:45.010 SEV=9 IKEDBG/1 RPT=20 161.44.17.135  
User [ 37297304 ]  
Generating Quick Mode Key!

267 10/10/2000 17:12:45.020 SEV=7 IKEDBG/0 RPT=50 161.44.17.135  
User [ 37297304 ]  
Loading host:  
Dst: 172.18.124.134  
Src: 192.168.1.1

268 10/10/2000 17:12:45.020 SEV=4 IKE/49 RPT=13 161.44.17.135  
User [ 37297304 ]

Security negotiation complete for User (37297304)  
Responder, Inbound SPI = 0x69bc69bd, Outbound SPI = 0x991518b4

271 10/10/2000 17:12:45.020 SEV=9 IPSECDBG/6 RPT=2  
IPSEC key message parse - msgtype 1, Len 536, vers 1, pid 00000000, seq 0,  
err 0, type 2, mode 1, state 64, label 0, pad 0, spi 991518b4, encrKeyLen 24,  
hashKeyLen 16, ivlen 8, alg 2, hmacAlg 3, lifetype 0, lifetime1 0,  
lifetime2 0, dsId 2

274 10/10/2000 17:12:45.020 SEV=9 IPSECDBG/1 RPT=2  
Processing KEY\_ADD MSG!

275 10/10/2000 17:12:45.020 SEV=9 IPSECDBG/1 RPT=3  
key\_msghdr2secassoc(): Enter

276 10/10/2000 17:12:45.020 SEV=7 IPSECDBG/1 RPT=4  
No USER filter configured

277 10/10/2000 17:12:45.020 SEV=9 IPSECDBG/1 RPT=5  
KeyProcessAdd: Enter

278 10/10/2000 17:12:45.020 SEV=8 IPSECDBG/1 RPT=6  
KeyProcessAdd: Adding outbound SA

279 10/10/2000 17:12:45.020 SEV=8 IPSECDBG/1 RPT=7  
KeyProcessAdd: src 172.18.124.134 mask 0.0.0.0, dst 192.168.1.1 mask 0.0.0.0

280 10/10/2000 17:12:45.020 SEV=8 IPSECDBG/1 RPT=8  
KeyProcessAdd: FilterIpsecAddIkeSa success

281 10/10/2000 17:12:45.020 SEV=9 IPSECDBG/6 RPT=3  
IPSEC key message parse - msgtype 3, Len 292, vers 1, pid 00000000, seq 0,  
err 0, type 2, mode 1, state 32, label 0, pad 0, spi 69bc69bd, encrKeyLen 24,  
hashKeyLen 16, ivlen 8, alg 2, hmacAlg 3, lifetype 0, lifetime1 0,  
lifetime2 0, dsId 2

284 10/10/2000 17:12:45.020 SEV=9 IPSECDBG/1 RPT=9  
Processing KEY\_UPDATE MSG!

285 10/10/2000 17:12:45.020 SEV=9 IPSECDBG/1 RPT=10  
Update inbound SA addresses

286 10/10/2000 17:12:45.020 SEV=9 IPSECDBG/1 RPT=11  
key\_msghdr2secassoc(): Enter

287 10/10/2000 17:12:45.020 SEV=7 IPSECDBG/1 RPT=12  
No USER filter configured

288 10/10/2000 17:12:45.020 SEV=9 IPSECDBG/1 RPT=13  
KeyProcessUpdate: Enter

289 10/10/2000 17:12:45.020 SEV=8 IPSECDBG/1 RPT=14  
KeyProcessUpdate: success

290 10/10/2000 17:12:45.020 SEV=8 IKEDBG/7 RPT=1  
IKE got a KEY\_ADD MSG for SA: SPI = 0x991518b4

291 10/10/2000 17:12:45.020 SEV=8 IKEDBG/0 RPT=51  
pitcher: rcv KEY\_UPDATE, spi 0x69bc69bd

## [Bom debug de IPsec com autenticação local](#)

1 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=1 161.44.17.135  
ISAKMP HEADER : ( Version 1.0 )

Initiator Cookie(8): 9D F3 34 FE 89 BF AA B2  
Responder Cookie(8): 00 00 00 00 00 00 00 00  
Next Payload : SA (1)  
Exchange Type : Oakley Aggressive Mode  
Flags : 0  
Message ID : 0  
Length : 307

7 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=1 161.44.17.135  
RECEIVED Message (msgid=0) with payloads :  
HDR + SA (1) + KE (4) + NONCE (10) + ID (5) + VENDOR (13) + NONE (0)  
... total length : 307

10 10/10/2000 17:12:32.560 SEV=9 IKEDBG/0 RPT=2 161.44.17.135  
processing SA payload

11 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=2 161.44.17.135  
SA Payload Decode :  
DOI : IPSEC (1)  
Situation : Identity Only (1)  
Length : 120

14 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=3 161.44.17.135  
Proposal Decode:  
Proposal # : 1  
Protocol ID : ISAKMP (1)  
#of Transforms: 4  
Spi : 00 00 00 00  
Length : 108

18 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=4 161.44.17.135  
Transform # 1 Decode for Proposal # 1:  
Transform # : 1  
Transform ID : IKE (1)  
Length : 24

20 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=5 161.44.17.135  
Phase 1 SA Attribute Decode for Transform # 1:  
Encryption Alg: DES-CBC (1)  
Hash Alg : MD5 (1)  
DH Group : Oakley Group 1 (1)  
Auth Method : Preshared Key (1)

24 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=6 161.44.17.135  
Transform # 2 Decode for Proposal # 1:  
Transform # : 2  
Transform ID : IKE (1)  
Length : 24

26 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=7 161.44.17.135  
Phase 1 SA Attribute Decode for Transform # 2:  
Encryption Alg: Triple-DES (5)  
Hash Alg : MD5 (1)  
DH Group : Oakley Group 1 (1)  
Auth Method : Preshared Key (1)

30 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=8 161.44.17.135  
Transform # 3 Decode for Proposal # 1:  
Transform # : 3  
Transform ID : IKE (1)  
Length : 24

32 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=9 161.44.17.135  
Phase 1 SA Attribute Decode for Transform # 3:

Encryption Alg: Triple-DES (5)  
Hash Alg : SHA (2)  
DH Group : Oakley Group 1 (1)  
Auth Method : Preshared Key (1)

36 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=10 161.44.17.135

Transform # 4 Decode for Proposal # 1:

Transform # : 4  
Transform ID : IKE (1)  
Length : 24

38 10/10/2000 17:12:32.560 SEV=8 IKEDECODE/0 RPT=11 161.44.17.135

Phase 1 SA Attribute Decode for Transform # 4:

Encryption Alg: DES-CBC (1)  
Hash Alg : SHA (2)  
DH Group : Oakley Group 1 (1)  
Auth Method : Preshared Key (1)

42 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=3 161.44.17.135

Proposal # 1, Transform # 1, Type ISAKMP, Id IKE

Parsing received transform:

Phase 1 failure against global IKE proposal # 1:  
Mismatched attr types for class DH Group:  
Rcv'd: Oakley Group 1  
Cfg'd: Oakley Group 2

47 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=4 161.44.17.135

Phase 1 failure against global IKE proposal # 2:

Mismatched attr types for class Encryption Alg:  
Rcv'd: DES-CBC  
Cfg'd: Triple-DES

50 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=5 161.44.17.135

Proposal # 1, Transform # 2, Type ISAKMP, Id IKE

Parsing received transform:

Phase 1 failure against global IKE proposal # 1:  
Mismatched attr types for class DH Group:  
Rcv'd: Oakley Group 1  
Cfg'd: Oakley Group 2

55 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=6 161.44.17.135

Proposal # 1, Transform # 3, Type ISAKMP, Id IKE

Parsing received transform:

Phase 1 failure against global IKE proposal # 1:  
Mismatched attr types for class DH Group:  
Rcv'd: Oakley Group 1  
Cfg'd: Oakley Group 2

60 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=7 161.44.17.135

Phase 1 failure against global IKE proposal # 2:

Mismatched attr types for class Hash Alg:  
Rcv'd: SHA  
Cfg'd: MD5

62 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=8 161.44.17.135

Phase 1 failure against global IKE proposal # 3:

Mismatched attr types for class Encryption Alg:  
Rcv'd: Triple-DES  
Cfg'd: DES-CBC

65 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=9 161.44.17.135

Proposal # 1, Transform # 4, Type ISAKMP, Id IKE

Parsing received transform:

Phase 1 failure against global IKE proposal # 1:

Mismatched attr types for class DH Group:

Rcv'd: Oakley Group 1

Cfg'd: Oakley Group 2

73 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=10 161.44.17.135

Phase 1 failure against global IKE proposal # 2:

Mismatched attr types for class Encryption Alg:

Rcv'd: DES-CBC

Cfg'd: Triple-DES

73 10/10/2000 17:12:32.560 SEV=8 IKEDBG/0 RPT=11 161.44.17.135

Phase 1 failure against global IKE proposal # 3:

Mismatched attr types for class Hash Alg:

Rcv'd: SHA

Cfg'd: MD5

75 10/10/2000 17:12:32.560 SEV=7 IKEDBG/0 RPT=12 161.44.17.135

Oakley proposal is acceptable

76 10/10/2000 17:12:32.560 SEV=9 IKEDBG/0 RPT=13 161.44.17.135

processing ke payload

77 10/10/2000 17:12:32.560 SEV=9 IKEDBG/0 RPT=14 161.44.17.135

processing ISA\_KE

78 10/10/2000 17:12:32.560 SEV=9 IKEDBG/1 RPT=1 161.44.17.135

processing nonce payload

79 10/10/2000 17:12:32.560 SEV=9 IKEDBG/1 RPT=2 161.44.17.135

Processing ID

80 10/10/2000 17:12:32.560 SEV=9 IKEDBG/1 RPT=3 161.44.17.135

processing vid payload

81 10/10/2000 17:12:32.580 SEV=9 IKEDBG/23 RPT=1 161.44.17.135

Starting group lookup for peer 161.44.17.135

82 10/10/2000 17:12:32.680 SEV=7 IKEDBG/0 RPT=15 161.44.17.135

Found Phase 1 Group (vpn3000)

83 10/10/2000 17:12:32.680 SEV=7 IKEDBG/14 RPT=1 161.44.17.135

Authentication configured for Internal

84 10/10/2000 17:12:32.680 SEV=9 IKEDBG/0 RPT=16 161.44.17.135

constructing ISA\_SA for isakmp

85 10/10/2000 17:12:32.680 SEV=9 IKEDBG/0 RPT=17 161.44.17.135

constructing ke payload

86 10/10/2000 17:12:32.680 SEV=9 IKEDBG/1 RPT=4 161.44.17.135

constructing nonce payload

87 10/10/2000 17:12:32.680 SEV=9 IKE/0 RPT=1 161.44.17.135

Generating keys for Responder...

88 10/10/2000 17:12:32.680 SEV=9 IKEDBG/1 RPT=5 161.44.17.135

constructing ID

89 10/10/2000 17:12:32.680 SEV=9 IKEDBG/0 RPT=18

construct hash payload

90 10/10/2000 17:12:32.680 SEV=9 IKEDBG/0 RPT=19 161.44.17.135

computing hash



91 10/10/2000 17:12:32.680 SEV=9 IKEDBG/1 RPT=6 161.44.17.135  
constructing vid payload

92 10/10/2000 17:12:32.680 SEV=8 IKEDBG/0 RPT=20 161.44.17.135  
SENDING Message (msgid=0) with payloads :  
HDR + SA (1) ... total length : 248

93 10/10/2000 17:12:32.730 SEV=8 IKEDECODE/0 RPT=12 161.44.17.135  
ISAKMP HEADER : ( Version 1.0 )  
Initiator Cookie(8): 9D F3 34 FE 89 BF AA B2  
Responder Cookie(8): B7 AD 34 D2 74 4D 05 DA  
Next Payload : HASH (8)  
Exchange Type : Oakley Aggressive Mode  
Flags : 1 (ENCRYPT )  
Message ID : 0  
Length : 52

99 10/10/2000 17:12:32.730 SEV=8 IKEDBG/0 RPT=21 161.44.17.135  
RECEIVED Message (msgid=0) with payloads :  
HDR + HASH (8) + NONE (0) ... total length : 48

101 10/10/2000 17:12:32.730 SEV=9 IKEDBG/0 RPT=22 161.44.17.135  
processing hash

102 10/10/2000 17:12:32.730 SEV=9 IKEDBG/0 RPT=23 161.44.17.135  
computing hash

103 10/10/2000 17:12:33.410 SEV=8 IKEDECODE/0 RPT=13 161.44.17.135  
ISAKMP HEADER : ( Version 1.0 )  
Initiator Cookie(8): 9D F3 34 FE 89 BF AA B2  
Responder Cookie(8): B7 AD 34 D2 74 4D 05 DA  
Next Payload : HASH (8)  
Exchange Type : Oakley Quick Mode  
Flags : 1 (ENCRYPT )  
Message ID : 48687ca1  
Length : 308

110 10/10/2000 17:12:33.410 SEV=9 IKEDBG/21 RPT=1 161.44.17.135  
Delay Quick Mode processing, Cert/Trans Exch/RM DSID in progress

111 10/10/2000 17:12:33.410 SEV=9 IKEDBG/0 RPT=24 161.44.17.135  
constructing blank hash

112 10/10/2000 17:12:33.410 SEV=9 IKEDBG/0 RPT=25 161.44.17.135  
constructing qm hash

113 10/10/2000 17:12:33.410 SEV=8 IKEDBG/0 RPT=26 161.44.17.135  
SENDING Message (msgid=fc2ce5eb) with payloads :  
HDR + HASH (8) ... total length : 68

115 10/10/2000 17:12:44.680 SEV=8 IKEDECODE/0 RPT=14 161.44.17.135  
ISAKMP HEADER : ( Version 1.0 )  
Initiator Cookie(8): 9D F3 34 FE 89 BF AA B2  
Responder Cookie(8): B7 AD 34 D2 74 4D 05 DA  
Next Payload : HASH (8)  
Exchange Type : Oakley Transactional  
Flags : 1 (ENCRYPT )  
Message ID : fc2ce5eb  
Length : 92

122 10/10/2000 17:12:44.680 SEV=8 IKEDBG/0 RPT=27 161.44.17.135  
RECEIVED Message (msgid=fc2ce5eb) with payloads :  
HDR + HASH (8) + ATTR (14) + NONE (0) ... total length : 85

124 10/10/2000 17:12:44.680 SEV=9 IKEDBG/1 RPT=7  
process\_attr(): Enter!

125 10/10/2000 17:12:44.680 SEV=9 IKEDBG/1 RPT=8  
Processing cfg reply attributes.

126 10/10/2000 17:12:44.980 SEV=7 IKEDBG/14 RPT=2 161.44.17.135  
User [ 37297304 ]  
Authentication configured for Internal

127 10/10/2000 17:12:44.980 SEV=4 IKE/52 RPT=7 161.44.17.135  
User [ 37297304 ]  
User (37297304) authenticated.

128 10/10/2000 17:12:44.980 SEV=9 IKEDBG/31 RPT=1 161.44.17.135  
User [ 37297304 ]  
Obtained IP addr (192.168.1.1) prior to initiating Mode Cfg (XAuth enabled)

130 10/10/2000 17:12:44.980 SEV=9 IKEDBG/0 RPT=28 161.44.17.135  
User [ 37297304 ]  
constructing blank hash

131 10/10/2000 17:12:44.980 SEV=9 IKEDBG/0 RPT=29 161.44.17.135  
0000: 00010004 C0A80101 F0010000 .....

132 10/10/2000 17:12:44.980 SEV=9 IKEDBG/0 RPT=30 161.44.17.135  
User [ 37297304 ]  
constructing QM hash

133 10/10/2000 17:12:44.980 SEV=8 IKEDBG/0 RPT=31 161.44.17.135  
SENDING Message (msgid=fc2ce5eb) with payloads :  
HDR + HASH (8) ... total length : 80

135 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=15 161.44.17.135  
ISAKMP HEADER : ( Version 1.0 )  
Initiator Cookie(8): 9D F3 34 FE 89 BF AA B2  
Responder Cookie(8): B7 AD 34 D2 74 4D 05 DA  
Next Payload : HASH (8)  
Exchange Type : Oakley Transactional  
Flags : 1 (ENCRYPT )  
Message ID : fc2ce5eb  
Length : 68

142 10/10/2000 17:12:44.990 SEV=8 IKEDBG/0 RPT=32 161.44.17.135  
RECEIVED Message (msgid=fc2ce5eb) with payloads :  
HDR + HASH (8) + ATTR (14) + NONE (0) ... total length : 64

144 10/10/2000 17:12:44.990 SEV=9 IKEDBG/1 RPT=9  
process\_attr(): Enter!

145 10/10/2000 17:12:44.990 SEV=9 IKEDBG/1 RPT=10  
Processing cfg ACK attributes

146 10/10/2000 17:12:44.990 SEV=9 IKEDBG/1 RPT=11  
Received IPV4 address ack!

147 10/10/2000 17:12:44.990 SEV=9 IKEDBG/1 RPT=12  
Received Save PW ack!

148 10/10/2000 17:12:44.990 SEV=4 AUTH/21 RPT=18  
User 37297304 connected

149 10/10/2000 17:12:44.990 SEV=7 IKEDBG/22 RPT=1 161.44.17.135  
User [ 37297304 ]

Resume Quick Mode processing, Cert/Trans Exch/RM DSID completed

151 10/10/2000 17:12:44.990 SEV=8 IKEDBG/0 RPT=33 161.44.17.135

RECEIVED Message (msgid=48687ca1) with payloads :

HDR + HASH (8) + SA (1) + NONCE (10) + ID (5) + ID (5) + NOTIFY (11) + NONE (0)

... total length : 304

154 10/10/2000 17:12:44.990 SEV=9 IKEDBG/0 RPT=34 161.44.17.135

User [ 37297304 ]

processing hash

155 10/10/2000 17:12:44.990 SEV=9 IKEDBG/0 RPT=35 161.44.17.135

User [ 37297304 ]

processing SA payload

156 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=16 161.44.17.135

SA Payload Decode :

DOI : IPSEC (1)  
Situation : Identity Only (1)  
Length : 180

159 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=17 161.44.17.135

Proposal Decode:

Proposal # : 1  
Protocol ID : ESP (3)  
#of Transforms: 1  
Spi : 99 15 18 B4  
Length : 28

163 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=18 161.44.17.135

Transform # 1 Decode for Proposal # 1:

Transform # : 1  
Transform ID : DES-CBC (2)  
Length : 16

165 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=19 161.44.17.135

Phase 2 SA Attribute Decode for Transform # 1:

HMAC Algorithm: MD5 (1)  
Encapsulation : Tunnel (1)

167 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=20 161.44.17.135

Proposal Decode:

Proposal # : 2  
Protocol ID : ESP (3)  
#of Transforms: 1  
Spi : 99 15 18 B4  
Length : 28

171 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=21 161.44.17.135

Transform # 1 Decode for Proposal # 2:

Transform # : 1  
Transform ID : Triple-DES (3)  
Length : 16

173 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=22 161.44.17.135

Phase 2 SA Attribute Decode for Transform # 1:

HMAC Algorithm: MD5 (1)  
Encapsulation : Tunnel (1)

175 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=23 161.44.17.135

Proposal Decode:

Proposal # : 3  
Protocol ID : ESP (3)  
#of Transforms: 1

Spi : 99 15 18 B4  
Length : 28

179 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=24 161.44.17.135

Transform # 1 Decode for Proposal # 3:

Transform # : 1  
Transform ID : DES-CBC (2)  
Length : 16

181 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=25 161.44.17.135

Phase 2 SA Attribute Decode for Transform # 1:

HMAC Algorithm: SHA (2)  
Encapsulation : Tunnel (1)

183 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=26 161.44.17.135

Proposal Decode:

Proposal # : 4  
Protocol ID : ESP (3)  
#of Transforms: 1  
Spi : 99 15 18 B4  
Length : 28

187 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=27 161.44.17.135

Transform # 1 Decode for Proposal # 4:

Transform # : 1  
Transform ID : Triple-DES (3)  
Length : 16

189 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=28 161.44.17.135

Phase 2 SA Attribute Decode for Transform # 1:

HMAC Algorithm: SHA (2)  
Encapsulation : Tunnel (1)

191 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=29 161.44.17.135

Proposal Decode:

Proposal # : 5  
Protocol ID : ESP (3)  
#of Transforms: 1  
Spi : 99 15 18 B4  
Length : 28

195 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=30 161.44.17.135

Transform # 1 Decode for Proposal # 5:

Transform # : 1  
Transform ID : NULL (11)  
Length : 16

197 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=31 161.44.17.135

Phase 2 SA Attribute Decode for Transform # 1:

HMAC Algorithm: MD5 (1)  
Encapsulation : Tunnel (1)

199 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=32 161.44.17.135

Proposal Decode:

Proposal # : 6  
Protocol ID : ESP (3)  
#of Transforms: 1  
Spi : 99 15 18 B4  
Length : 28

203 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=33 161.44.17.135

Transform # 1 Decode for Proposal # 6:

Transform # : 1  
Transform ID : NULL (11)

Length : 16

205 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=34 161.44.17.135  
Phase 2 SA Attribute Decode for Transform # 1:  
HMAC Algorithm: SHA (2)  
Encapsulation : Tunnel (1)

207 10/10/2000 17:12:44.990 SEV=9 IKEDBG/1 RPT=13 161.44.17.135  
User [ 37297304 ]  
processing nonce payload

208 10/10/2000 17:12:44.990 SEV=9 IKEDBG/1 RPT=14 161.44.17.135  
User [ 37297304 ]  
Processing ID

209 10/10/2000 17:12:44.990 SEV=5 IKE/25 RPT=13 161.44.17.135  
User [ 37297304 ]  
Received remote Proxy Host data in ID Payload:  
Address 161.44.17.135, Protocol 0, Port 0

212 10/10/2000 17:12:44.990 SEV=7 IKEDBG/1 RPT=15 161.44.17.135  
User [ 37297304 ]  
Modifying client proxy src address!

213 10/10/2000 17:12:44.990 SEV=9 IKEDBG/1 RPT=16 161.44.17.135  
User [ 37297304 ]  
Processing ID

214 10/10/2000 17:12:44.990 SEV=5 IKE/24 RPT=7 161.44.17.135  
User [ 37297304 ]  
Received local Proxy Host data in ID Payload:  
Address 172.18.124.134, Protocol 0, Port 0

217 10/10/2000 17:12:44.990 SEV=9 IKEDBG/0 RPT=36 161.44.17.135  
User [ 37297304 ]  
Processing Notify payload

218 10/10/2000 17:12:44.990 SEV=8 IKEDECODE/0 RPT=35 161.44.17.135  
Notify Payload Decode :  
DOI : IPSEC (1)  
Protocol : ISAKMP (1)  
Message : Initial contact (24578)  
Spi : 9D F3 34 FE 89 BF AA B2 B7 AD 34 D2 74 4D 05 DA  
Length : 28

224 10/10/2000 17:12:44.990 SEV=8 IKEDBG/0 RPT=37  
QM IsRekeyed old sa not found by addr

225 10/10/2000 17:12:44.990 SEV=5 IKE/66 RPT=13 161.44.17.135  
User [ 37297304 ]  
IKE Remote Peer configured for SA: ESP-3DES-MD5

226 10/10/2000 17:12:44.990 SEV=9 IKEDBG/0 RPT=38 161.44.17.135  
User [ 37297304 ]  
processing IPSEC SA

227 10/10/2000 17:12:44.990 SEV=8 IKEDBG/0 RPT=39  
Proposal # 1, Transform # 1, Type ESP, Id DES-CBC  
Parsing received transform:  
Phase 2 failure:  
Mismatched transform IDs for protocol ESP:  
Rcv'd: DES-CBC  
Cfg'd: Triple-DES

232 10/10/2000 17:12:45.000 SEV=7 IKEDBG/27 RPT=1 161.44.17.135  
User [ 37297304 ]  
IPSec SA Proposal # 2, Transform # 1 acceptable

233 10/10/2000 17:12:45.000 SEV=7 IKEDBG/0 RPT=40 161.44.17.135  
User [ 37297304 ]  
IKE: requesting SPI!

234 10/10/2000 17:12:45.000 SEV=6 IKE/0 RPT=2  
AM received unexpected event EV\_ACTIVATE\_NEW\_SA in state AM\_ACTIVE

235 10/10/2000 17:12:45.000 SEV=9 IPSECDBG/6 RPT=1  
IPSEC key message parse - msgtype 6, len 164, vers 1, pid 00000000, seq 13,  
err 0, type 2, mode 0, state 32, label 0, pad 0, spi 00000000, encrKeyLen 0,  
hashKeyLen 0, ivlen 0, alg 0, hmacAlg 0, lifetype 0, lifetime1 300,  
lifetime2 2000000000, dsId 2

239 10/10/2000 17:12:45.000 SEV=9 IPSECDBG/1 RPT=1  
Processing KEY\_GETSPI msg!

240 10/10/2000 17:12:45.000 SEV=7 IPSECDBG/13 RPT=1  
Reserved SPI 177395517

241 10/10/2000 17:12:45.000 SEV=8 IKEDBG/6 RPT=1  
IKE got SPI from key engine: SPI = 0x69bc69bd

242 10/10/2000 17:12:45.000 SEV=9 IKEDBG/0 RPT=41 161.44.17.135  
User [ 37297304 ]  
oakley constructing quick mode

243 10/10/2000 17:12:45.000 SEV=9 IKEDBG/0 RPT=42 161.44.17.135  
User [ 37297304 ]  
constructing blank hash

244 10/10/2000 17:12:45.000 SEV=9 IKEDBG/0 RPT=43 161.44.17.135  
User [ 37297304 ]  
constructing ISA\_SA for ipsec

245 10/10/2000 17:12:45.000 SEV=9 IKEDBG/1 RPT=17 161.44.17.135  
User [ 37297304 ]  
constructing ipsec nonce payload

246 10/10/2000 17:12:45.000 SEV=9 IKEDBG/1 RPT=18 161.44.17.135  
User [ 37297304 ]  
constructing proxy ID

247 10/10/2000 17:12:45.000 SEV=7 IKEDBG/0 RPT=44 161.44.17.135  
User [ 37297304 ]  
Transmitting Proxy Id:  
Remote host: 192.168.1.1 Protocol 0 Port 0  
Local host: 172.18.124.134 Protocol 0 Port 0

251 10/10/2000 17:12:45.000 SEV=9 IKEDBG/0 RPT=45 161.44.17.135  
User [ 37297304 ]  
constructing QM hash

252 10/10/2000 17:12:45.000 SEV=8 IKEDBG/0 RPT=46 161.44.17.135  
SENDING Message (msgid=48687ca1) with payloads :  
HDR + HASH (8) ... total length : 136

254 10/10/2000 17:12:45.010 SEV=8 IKEDECODE/0 RPT=36 161.44.17.135  
ISAKMP HEADER : ( Version 1.0 )  
Initiator Cookie(8): 9D F3 34 FE 89 BF AA B2  
Responder Cookie(8): B7 AD 34 D2 74 4D 05 DA

Next Payload : HASH (8)  
Exchange Type : Oakley Quick Mode  
Flags : 1 (ENCRYPT )  
Message ID : 48687ca1  
Length : 52

261 10/10/2000 17:12:45.010 SEV=8 IKEDBG/0 RPT=47 161.44.17.135  
RECEIVED Message (msgid=48687ca1) with payloads :  
HDR + HASH (8) + NONE (0) ... total length : 48

263 10/10/2000 17:12:45.010 SEV=9 IKEDBG/0 RPT=48 161.44.17.135  
User [ 37297304 ]  
processing hash

264 10/10/2000 17:12:45.010 SEV=9 IKEDBG/0 RPT=49 161.44.17.135  
User [ 37297304 ]  
loading all IPSEC SAs

265 10/10/2000 17:12:45.010 SEV=9 IKEDBG/1 RPT=19 161.44.17.135  
User [ 37297304 ]  
Generating Quick Mode Key!

266 10/10/2000 17:12:45.010 SEV=9 IKEDBG/1 RPT=20 161.44.17.135  
User [ 37297304 ]  
Generating Quick Mode Key!

267 10/10/2000 17:12:45.020 SEV=7 IKEDBG/0 RPT=50 161.44.17.135  
User [ 37297304 ]  
Loading host:  
Dst: 172.18.124.134  
Src: 192.168.1.1

268 10/10/2000 17:12:45.020 SEV=4 IKE/49 RPT=13 161.44.17.135  
User [ 37297304 ]  
Security negotiation complete for User (37297304)  
Responder, Inbound SPI = 0x69bc69bd, Outbound SPI = 0x991518b4

271 10/10/2000 17:12:45.020 SEV=9 IPSECDBG/6 RPT=2  
IPSEC key message parse - msgtype 1, Len 536, vers 1, pid 00000000, seq 0,  
err 0, type 2, mode 1, state 64, label 0, pad 0, spi 991518b4, encrKeyLen 24,  
hashKeyLen 16, ivlen 8, alg 2, hmacAlg 3, lifetype 0, lifetime1 0,  
lifetime2 0, dsId 2

274 10/10/2000 17:12:45.020 SEV=9 IPSECDBG/1 RPT=2  
Processing KEY\_ADD MSG!

275 10/10/2000 17:12:45.020 SEV=9 IPSECDBG/1 RPT=3  
key\_msghdr2secassoc(): Enter

276 10/10/2000 17:12:45.020 SEV=7 IPSECDBG/1 RPT=4  
No USER filter configured

277 10/10/2000 17:12:45.020 SEV=9 IPSECDBG/1 RPT=5  
KeyProcessAdd: Enter

278 10/10/2000 17:12:45.020 SEV=8 IPSECDBG/1 RPT=6  
KeyProcessAdd: Adding outbound SA

279 10/10/2000 17:12:45.020 SEV=8 IPSECDBG/1 RPT=7  
KeyProcessAdd: src 172.18.124.134 mask 0.0.0.0, dst 192.168.1.1 mask 0.0.0.0

280 10/10/2000 17:12:45.020 SEV=8 IPSECDBG/1 RPT=8  
KeyProcessAdd: FilterIpssecAddIkeSa success

```

281 10/10/2000 17:12:45.020 SEV=9 IPSECDBG/6 RPT=3
IPSEC key message parse - msgtype 3, Len 292, vers 1, pid 00000000, seq 0,
err 0, type 2, mode 1, state 32, label 0, pad 0, spi 69bc69bd, encrKeyLen 24,
hashKeyLen 16, ivlen 8, alg 2, hmacAlg 3, lifetype 0, lifetime1 0,
lifetime2 0, dsId 2

284 10/10/2000 17:12:45.020 SEV=9 IPSECDBG/1 RPT=9
Processing KEY_UPDATE MSG!

285 10/10/2000 17:12:45.020 SEV=9 IPSECDBG/1 RPT=10
Update inbound SA addresses

286 10/10/2000 17:12:45.020 SEV=9 IPSECDBG/1 RPT=11
key_msghdr2secassoc(): Enter

287 10/10/2000 17:12:45.020 SEV=7 IPSECDBG/1 RPT=12
No USER filter configured

288 10/10/2000 17:12:45.020 SEV=9 IPSECDBG/1 RPT=13
KeyProcessUpdate: Enter
289 10/10/2000 17:12:45.020 SEV=8 IPSECDBG/1 RPT=14
KeyProcessUpdate: success

290 10/10/2000 17:12:45.020 SEV=8 IKEDBG/7 RPT=1
IKE got a KEY_ADD MSG for SA: SPI = 0x991518b4

291 10/10/2000 17:12:45.020 SEV=8 IKEDBG/0 RPT=51
pitcher: rcv KEY_UPDATE, spi 0x69bc69bd

```

## [Boa depuração com SDI](#)

### [Depuração de SDI](#)

#### *Se bem-sucedida (primeira autenticação no SDI)*

```

10/06/2000 11:57:04/U 37297304/vpn3000 000037297304/37297304
372
10/06/2000 11:57:04/L Node Secret Sent to Client zekie.cisco.com
10/06/2000 15:57:05/U 37297304/vpn3000 000037297304/37297304
372
10/06/2000 11:57:05/U PASSCODE Accepted zekie.cisco.com

```

#### *Se bem-sucedido (após a primeira autenticação em SDI)*

```

10/06/2000 16:06:09U 37297304/vpn3000 000037297304/37297304
372
10/06/2000 12:06:09L PASSCODE Accepted zekie.cisco.com

```

### [Depuração do VPN 3000 Concentrador \(em teste\)](#)

Depurar "Nome da classe" para autenticação:

- AUTH
- AUTHDBG
- CÓDIGO AUTOMÁTICO

```

4 10/06/2000 14:09:25.000 SEV=8 AUTHDBG/1 RPT=1
AUTH_Open() returns 14

```



5 10/06/2000 14:09:25.000 SEV=7 AUTH/12 RPT=1  
Authentication session opened: handle = 14

6 10/06/2000 14:09:25.000 SEV=8 AUTHDBG/3 RPT=1  
AUTH\_PutAttrTable(14, 5a2aa0)

7 10/06/2000 14:09:25.000 SEV=8 AUTHDBG/5 RPT=1  
AUTH\_Authenticate(14, e5187e0, 306bdc)

8 10/06/2000 14:09:25.000 SEV=8 AUTHDBG/59 RPT=1  
AUTH\_BindServer(71e097c, 0, 0)

9 10/06/2000 14:09:25.000 SEV=9 AUTHDBG/69 RPT=1  
Auth Server 649ab4 has been bound to ACB 71e097c, sessions = 1

10 10/06/2000 14:09:25.000 SEV=8 AUTHDBG/65 RPT=1  
AUTH\_CreateTimer(71e097c, 0, 0)

11 10/06/2000 14:09:25.000 SEV=9 AUTHDBG/72 RPT=1  
Reply timer created: handle = 490011

12 10/06/2000 14:09:25.000 SEV=8 AUTHDBG/61 RPT=1  
AUTH\_BuildMsg(71e097c, 0, 0)

13 10/06/2000 14:09:25.000 SEV=8 AUTHDBG/51 RPT=1  
Sdi\_Build(71e097c)

14 10/06/2000 14:09:25.010 SEV=8 AUTHDBG/64 RPT=1  
AUTH\_StartTimer(71e097c, 0, 0)

15 10/06/2000 14:09:25.010 SEV=9 AUTHDBG/73 RPT=1  
Reply timer started: handle = 490011, timestamp = 8553930, timeout = 4000

16 10/06/2000 14:09:25.010 SEV=8 AUTHDBG/62 RPT=1  
AUTH\_SndRequest(71e097c, 0, 0)

17 10/06/2000 14:09:25.010 SEV=8 AUTHDBG/52 RPT=1  
  
Sdi\_Xmt(71e097c)

18 10/06/2000 14:09:25.010 SEV=9 AUTHDBG/71 RPT=1  
xmit\_cnt = 1

19 10/06/2000 14:09:26.080 SEV=8 AUTHDBG/63 RPT=1  
AUTH\_RcvReply(71e097c, 0, 0)

20 10/06/2000 14:09:26.080 SEV=8 AUTHDBG/53 RPT=1  
Sdi\_Rcv(71e097c)

21 10/06/2000 14:09:26.080 SEV=8 AUTHDBG/66 RPT=1  
AUTH\_DeleteTimer(71e097c, 0, 0)

22 10/06/2000 14:09:26.080 SEV=9 AUTHDBG/74 RPT=1  
Reply timer stopped: handle = 490011, timestamp = 8554037

23 10/06/2000 14:09:26.080 SEV=8 AUTHDBG/58 RPT=1  
AUTH\_Callback(71e097c, 0, 0)

24 10/06/2000 14:09:26.080 SEV=6 AUTH/4 RPT=1  
Authentication successful: handle = 14, server = 172.18.124.99, user = 37297304

25 10/06/2000 14:09:26.080 SEV=8 AUTHDBG/2 RPT=1  
AUTH\_Close(14)

26 10/06/2000 14:09:26.080 SEV=8 AUTHDBG/60 RPT=1  
AUTH\_UnbindServer(71e097c, 0, 0)

27 10/06/2000 14:09:26.080 SEV=9 AUTHDBG/70 RPT=1  
Auth Server 649ab4 has been unbound from ACB 71e097c, sessions = 0

28 10/06/2000 14:09:26.080 SEV=8 AUTHDBG/10 RPT=1  
AUTH\_Int\_FreeAuthCB(71e097c)

29 10/06/2000 14:09:26.080 SEV=9 AUTHDBG/19 RPT=1  
instance = 15, clone\_instance = 0

30 10/06/2000 14:09:26.080 SEV=7 AUTH/13 RPT=1  
Authentication session closed: handle = 14

## Debugs ruins

### Nome de usuário inválido ou usuário não ativado no cliente

#### *Depuração de SDI*

10/06/2000 16:30:21U junk/vpn3000  
10/06/2000 12:30:21L User Not on Client zekie.cisco.com

#### *Debug de VPN 3000*

21 10/06/2000 14:20:06.310 SEV=3 AUTH/5 RPT=5  
Authentication rejected: Reason = Unspecified  
handle = 15, server = 172.18.124.99, user = junk

### Nome de usuário válido, senha inválido.

#### *Depuração de SDI*

10/06/2000 16:33:07U 37297304/vpn3000 000037297304/37297304 372  
10/06/2000 12:33:07L ACCESS DENIED, PASSCODE Incorrect zekie.cisco.com

#### *Debug de VPN 3000*

249 10/06/2000 14:22:52.160 SEV=3 AUTH/5 RPT=6  
Authentication rejected: Reason = Unspecified  
handle = 16, server = 172.18.124.99, user = 37297304

### Servidor SDI inatingível ou daemon inativo.

#### *Depuração de SDI*

Não mostra nada (não recebeu o pedido)

#### *Debug de VPN 3000*

```
77 10/06/2000 14:28:55.600 SEV=4 AUTH/9 RPT=7
Authentication failed: Reason = Network error
handle = 17, server = 172.18.124.99, user = 37297304
```

## [VPN 3000 não configurado como cliente na caixa SDI](#)

### *Depuração de SDI*

```
10/06/2000 17:37:42U --/172.18.124.134 -->/
10/06/2000 13:36:42L Client Not Found zekie.cisco.com
```

### *Debug de VPN 3000*

```
113 10/06/2000 15:26:27.440 SEV=3 AUTH/5 RPT=8
Authentication rejected: Reason = Unspecified
handle = 21, server = 172.18.124.99, user = 37297304
```

## [VPN 3000 Concentrator removido como um cliente do servidor SDI e, em seguida, adicionado novamente](#)

O servidor SDI tentou enviar o arquivo SECURID para substituir o antigo, mas o VPN 3000 já tinha esse arquivo.

### *Mensagem em SDI*

```
10/06/2000 13:42:18L Node Verification Failed zekie.cisco.com
```

### *Debug de VPN 3000*

```
21 10/06/2000 15:32:03.030 SEV=3 AUTH/5 RPT=9
Authentication rejected: Reason = Unspecified
handle = 22, server = 172.18.124.99, user = 37297304
```

Para solucionar esse problema, exclua o arquivo SECURID no concentrador VPN 3000 por meio de Administration > File management > Files > SECURID > Delete. Ao testar novamente, o VPN 3000 Concentrator aceita o novo arquivo do servidor SDI. Se a caixa de seleção Editar Cliente > Enviar Nó Secreto estiver indisponível na SDI, o servidor da SDI não conseguiu concluir a troca. Quando o Concentrator VPN 3000 tiver o arquivo SECURID, a caixa de seleção Sent Node Secret (Segredo de Nó Enviado) ficará marcada/não acinzentada.

## [Informações Relacionadas](#)

- [Configurando o Cisco VPN Client para VPN 3000 Concentrator com IPSec SDI Authentication 5.0 e posterior](#)
- [Página de suporte do Cisco VPN 3000 Series Concentrator](#)
- [Página de suporte ao cliente do Cisco VPN 3000 Series](#)
- [Página de suporte do IPSec](#)
- [Suporte Técnico - Cisco Systems](#)