IPSec with VPN client（靜態/動態分配IP地址）到VPN 3000集中器配置示例

目錄

簡介

此示例配置演示如何從運行Cisco VPN客戶端（4.x及更高版本）（靜態/動態分配IP地址）的PC到Cisco VPN 3000集中器形成IPsec隧道，以便使使用者能夠安全地訪問VPN集中器內的網路。

請參閱將適用於Windows的Cisco Secure ACS與VPN 3000集中器 — IPSec結合使用，以瞭解更多有關使用Cisco ACS進行RADIUS身份驗證的相同方案的資訊。請參閱使用MS RADIUS配置Cisco VPN 3000集中器，以瞭解更多有關使用MS-RADIUS身份驗證的相同方案的資訊。

必要條件

需求

本文件沒有特定需求。

採用元件

本文中的資訊係根據以下軟體和硬體版本：

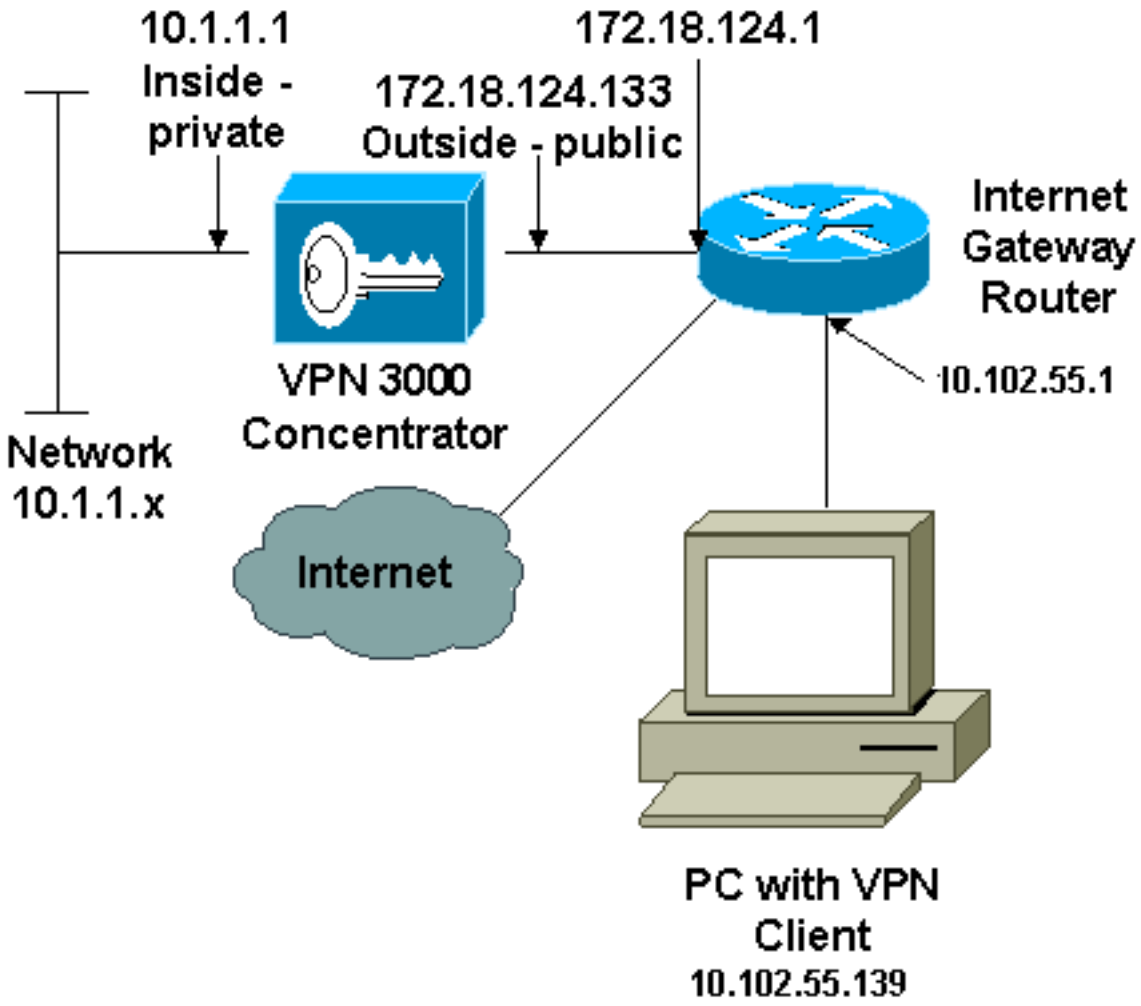
- Cisco VPN 3030集中器版本4.1.7.A
- Cisco VPN客戶端4.x版及更高版本

注意：最近使用Cisco VPN集中器4.7.2.H版重新測試了此配置。

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除（預設）的組態來啟動。如果您的網路正在作用，請確保您已瞭解任何指令可能造成的影響。

網路圖表

本檔案會使用以下網路設定：



注意：此配置中使用的IP編址方案在Internet上不能合法路由。它們是在實驗室環境中使用的RFC 1918地址。

慣例

請參閱思科技術提示慣例以瞭解更多有關文件慣例的資訊。

配置VPN 3000 Concentrator

完成以下步驟即可配置VPN 3000集中器。

註：由於空間限制，某些螢幕截圖僅顯示部分螢幕。

1. 連線到VPN集中器控制檯埠，並驗證是否為Private(inside)和Public(outside)介面分配了IP地址。此外，驗證是否分配了預設網關，以便VPN集中器可以將它不知道的目標的資料包轉發到預設網關（通常是Internet網關路由器
   ）：

```
97 01/21/2005 12:18:50.300 SEV=3 PSH/23 RPT=1
PSH - Console user "admin" failed login
Login: admin
Password:



               Welcome to
              Cisco Systems
       VPN 3000 Concentrator Series
          Command Line Interface
Copyright (C) 1998-2004 Cisco Systems, Inc.



1) Configuration
2) Administration
3) Monitoring
4) Save changes to Config file
5) Help Information
6) Exit

Main -> _
```

```
              Cisco Systems
       VPN 3000 Concentrator Series
          Command Line Interface
Copyright (C) 1998-2004 Cisco Systems, Inc.



1) Configuration
2) Administration
3) Monitoring
4) Save changes to Config file
5) Help Information
6) Exit

Main -> 1

1) Interface Configuration
2) System Management
3) User Management
4) Policy Management
5) Tunneling and Security
6) Back

Config -> 1
```

   此表顯示了當前IP地址。

```
5) Tunneling and Security
6) Back

Config -> 1

This table shows current IP addresses.

  Intf         Status       IP Address/Subnet Mask          MAC Address
--------------------------------------------------------------------------------
Ether1-Pri|      UP      |       10.1.1.1/255.255.255.0  | 00.90.A4.00.06.94
Ether2-Pub|      UP      | 172.18.124.133/255.255.255.0  | 00.90.A4.00.06.95
Ether3-Ext|Not Configured|        0.0.0.0/0.0.0.0        |
--------------------------------------------------------------------------------
DNS Server(s): 10.1.0.121, 10.1.0.122
DNS Domain Name:
Default Gateway: 172.18.124.1

1) Configure Ethernet #1 (Private)
2) Configure Ethernet #2 (Public)
3) Configure Ethernet #3 (External)
4) Configure Power Supplies
5) Back

Interfaces ->
```

```
DNS Domain Name:
Default Gateway: 172.18.124.1

1) Configure Ethernet #1 (Private)
2) Configure Ethernet #2 (Public)
3) Configure Ethernet #3 (External)
4) Configure Power Supplies
5) Back

Interfaces -> 5

1) Interface Configuration
2) System Management
3) User Management
4) Policy Management
5) Tunneling and Security
6) Back

Config -> 2

1) Servers (Authentication, Authorization, Accounting, DNS, DHCP, etc.)
2) Address Management
3) IP Routing (static routes, OSPF, etc.)
4) Management Protocols (Telnet, TFTP, FTP, etc.)
5) Event Configuration
6) General Config (system name, time, etc.)
7) Client Update
8) Load Balancing Configuration
9) Back

System -> 3_
```

```
 8) Load Balancing Configuration
 9) Back

 System -> 3

 1) Static Routes
 2) Default Gateways
 3) OSPF
 4) OSPF Areas
 5) DHCP Parameters
 6) Redundancy
 7) Reverse Route Injection
 8) DHCP Relay
 9) Back

 Routing -> 1

 Static Routes
 -------------
 Destination     Mask            Metric Destination
 ------------------------------------------------------------
 0.0.0.0         0.0.0.0              1 172.18.124.1
 10.0.0.0        255.0.0.0           10 10.1.16.111
 192.168.0.0     255.255.0.0         10 10.1.16.111

 1) Add Static Route
 2) Modify Static Route
 3) Delete Static Route
 4) Back

 Routing ->
```

```
 8) Load Balancing Configuration
 9) Back

 System -> 3

 1) Static Routes
 2) Default Gateways
 3) OSPF
 4) OSPF Areas
 5) DHCP Parameters
 6) Redundancy
 7) Reverse Route Injection
 8) DHCP Relay
 9) Back

 Routing -> 1

 Static Routes
 -------------
 Destination     Mask            Metric Destination
 ------------------------------------------------------------
 0.0.0.0         0.0.0.0              1 172.18.124.1



 1) Add Static Route
 2) Modify Static Route
 3) Delete Static Route
 4) Back

 Routing ->
```

2. 請確保為公共介面選擇Public過濾器選項。

Configuration | Interfaces | Ethernet 2

You are modifying the interface you are using to connect to this device. If you make any changes, you will break the connection and you will have to restart from the login screen.

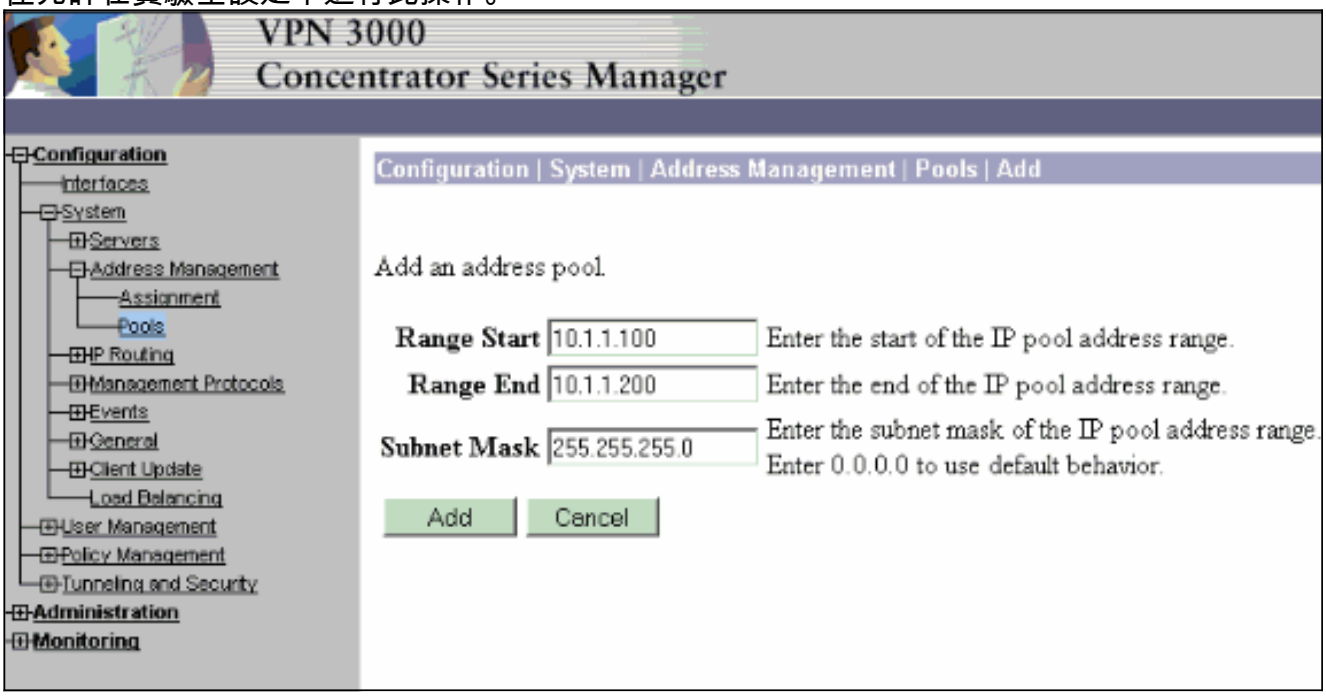
Configuring Ethernet Interface 2 (Public).

General | RIP | OSPF | Bandwidth | WebVPN

General Parameters

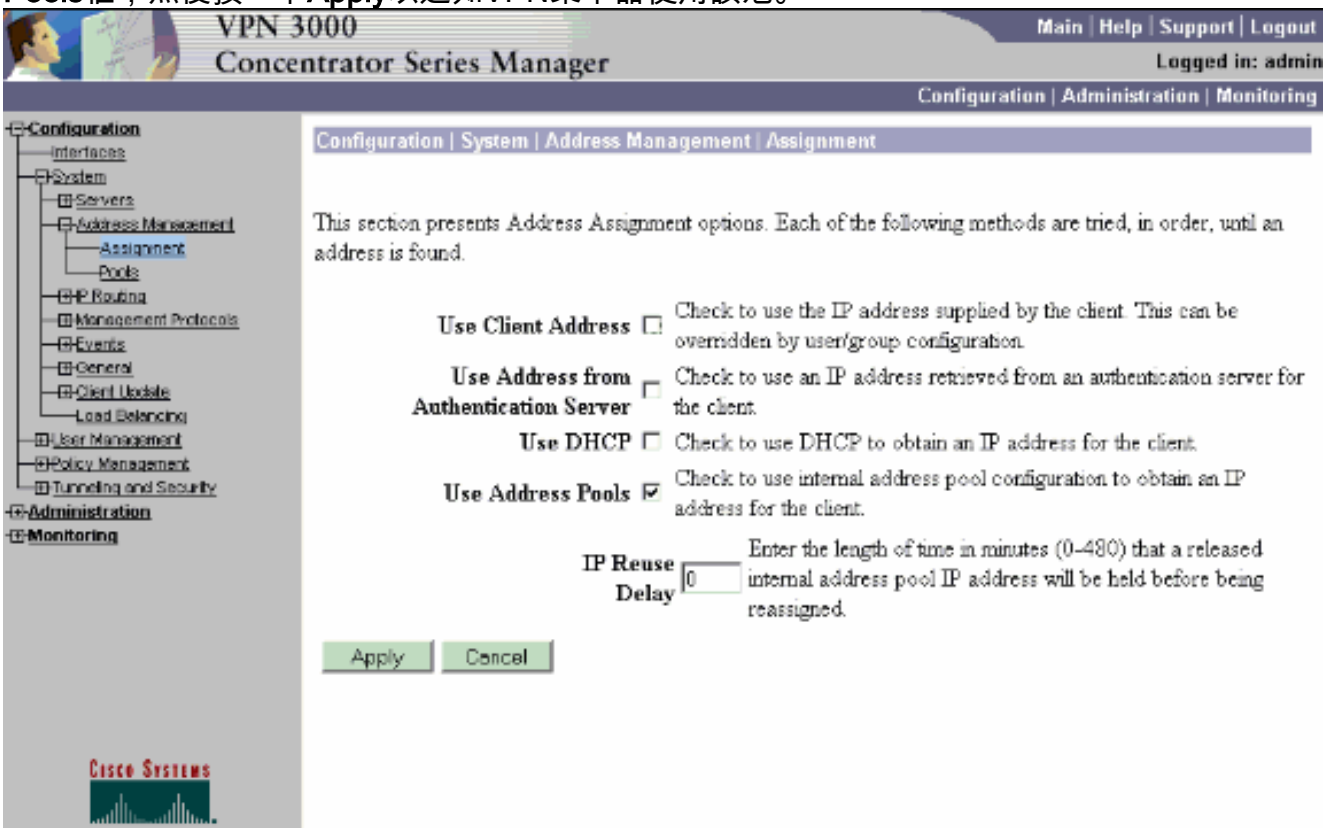
Sel	Attribute	Value	Description
○	Disabled		Select to disable this interface.
○	DHCP Client		Select to obtain the IP Address, Subnet Mask and Default Gateway via DHCP.
◉	Static IP Addressing		Select to configure the IP Address and Subnet Mask. Enter the IP Address and Subnet Mask for this interface.
	IP Address	192.168.1.2	
	Subnet Mask	255.255.255.0	
	Public Interface	☑	Check to make this interface a "public" interface.
	MAC Address	00.03.A0.89.BF.D1	The MAC address for this interface.
	Filter	2. Public (Default)	Select the filter for this interface.
	Speed	10/100 auto	Select the speed for this interface.

3. 將瀏覽器指向VPN集中器的內部介面，然後選擇Configuration > System > Address Management > Address Pools > Add以分配可用的IP地址範圍。指定與內部網路上的任何其他裝置不衝突的IP地址範圍：**注意：這**些螢幕截圖顯示外部公共介面管理，因為新增的過濾器僅允許在實驗室設定中進行此操作。

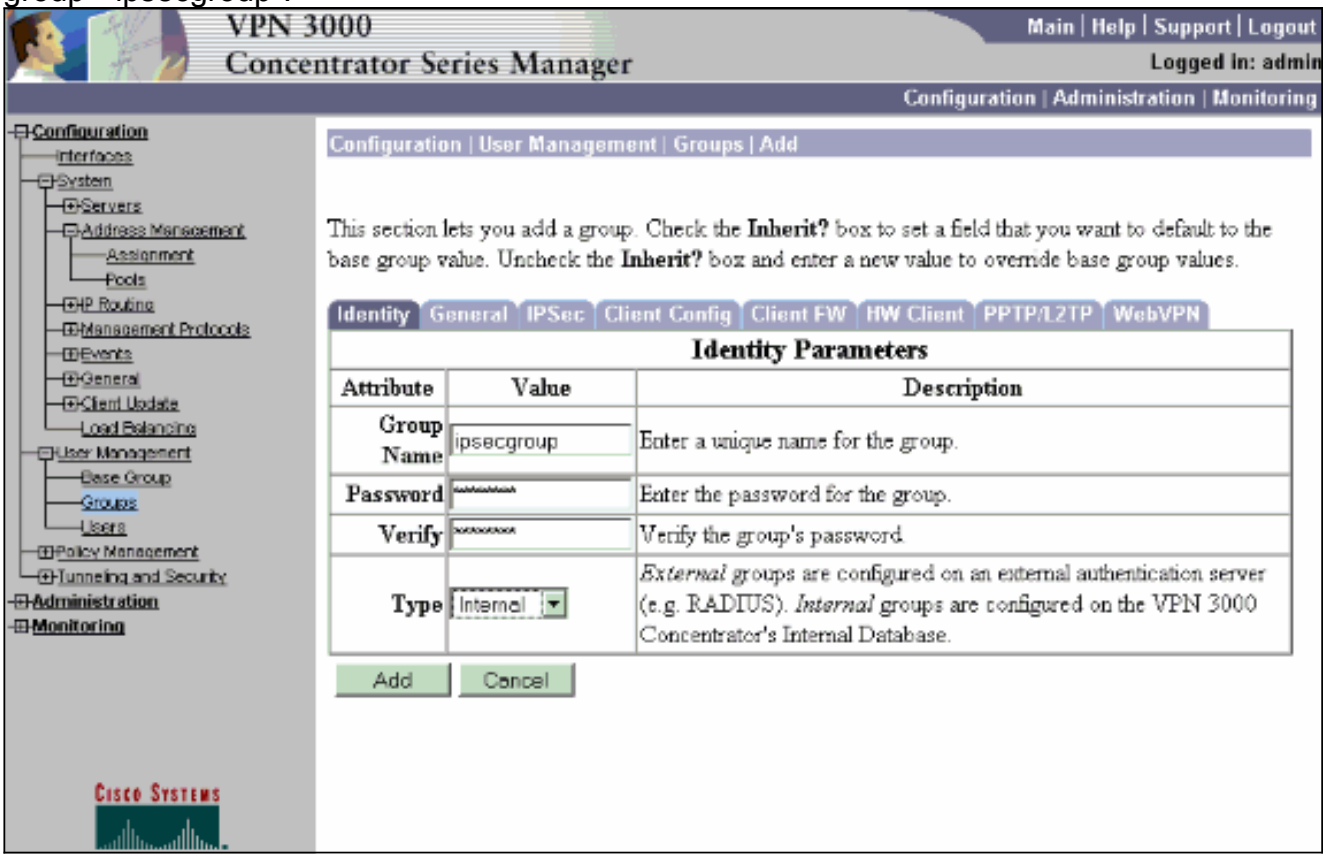


4. 選擇Configuration > System > Address Management > **Assignment**，選中**Use Address**

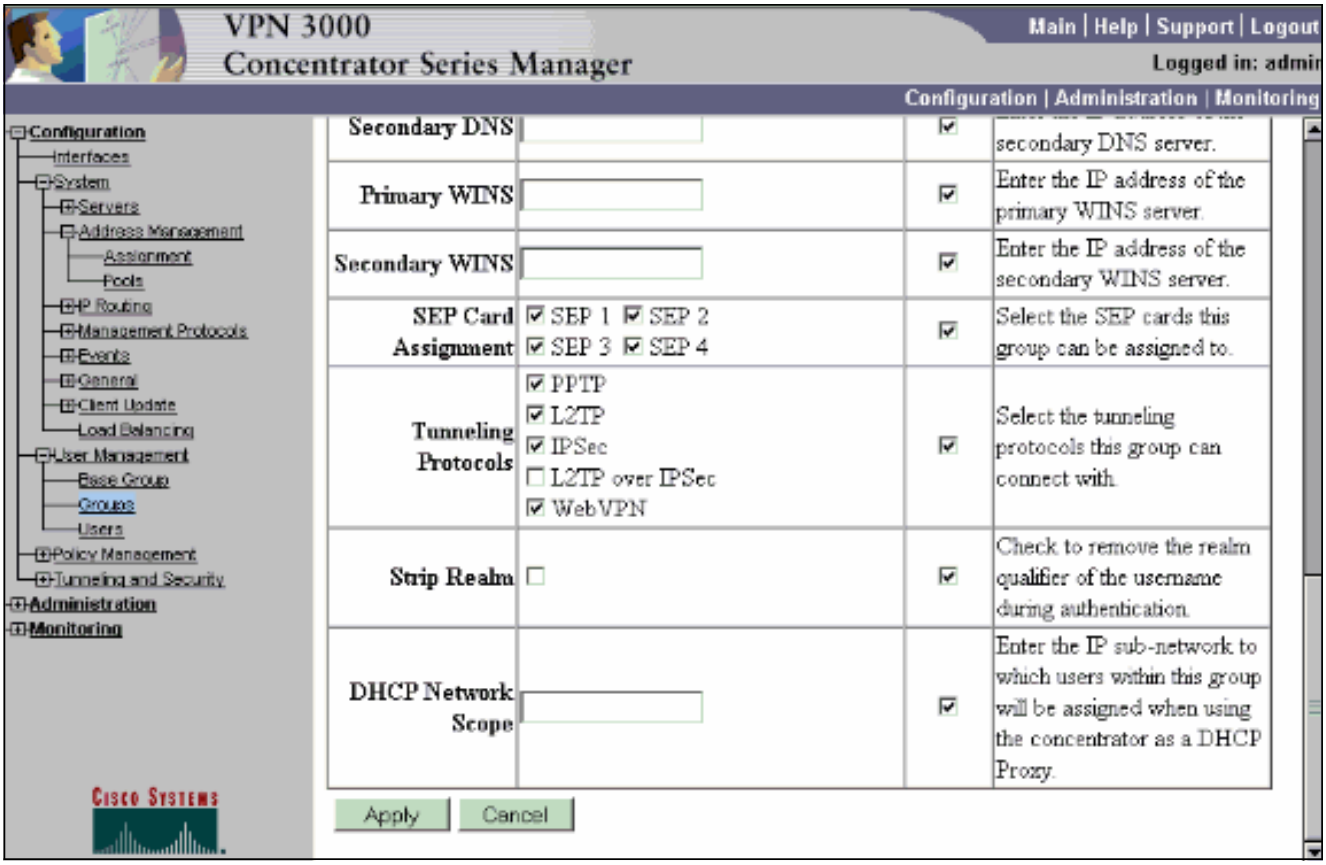
Pools框，然後按一下Apply以通知VPN集中器使用該池。



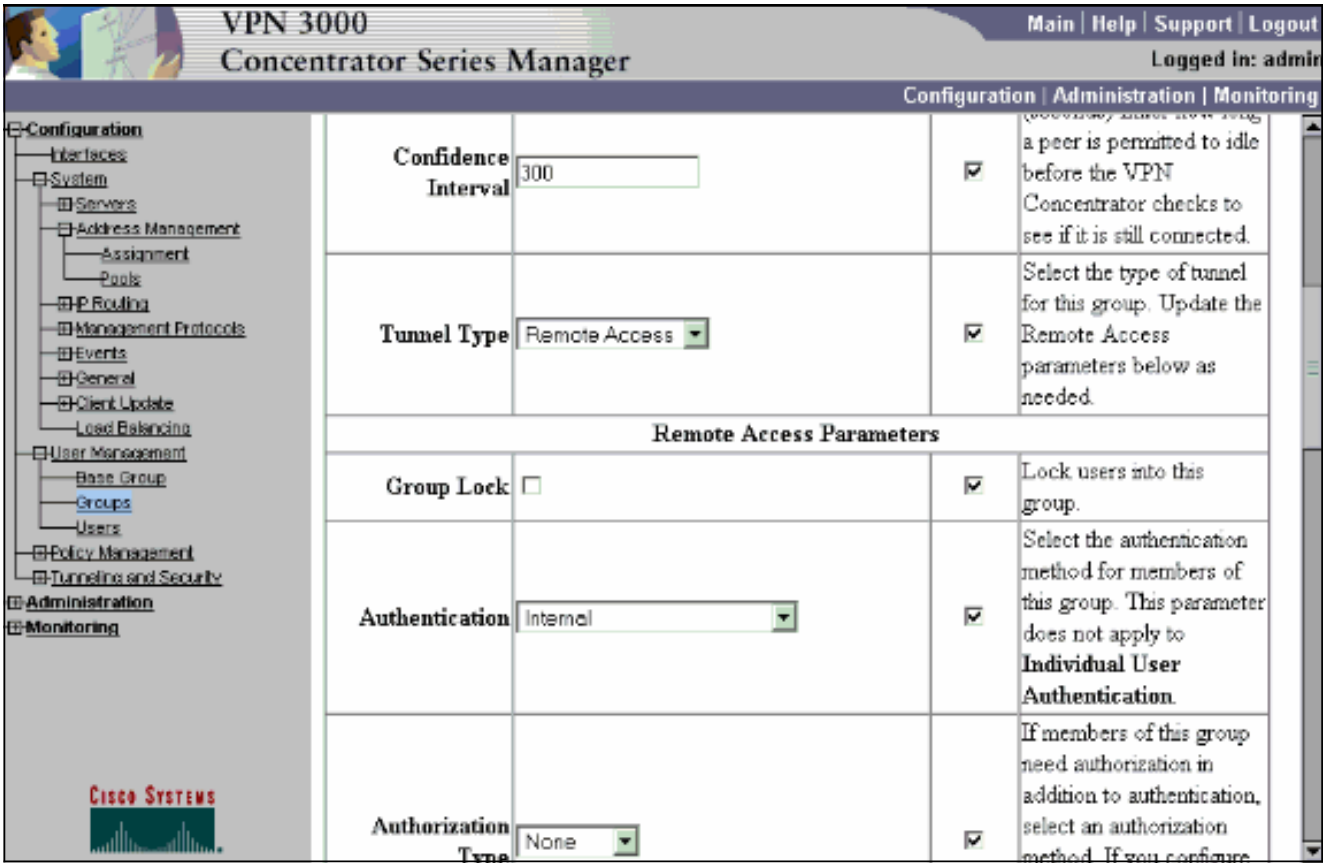
5. 選擇Configuration > User Management > Groups > Add Group，以便為使用者配置IPsec組並定義組名稱和密碼。此範例在password/verify="cisco123"下使用group="ipsecgroup":



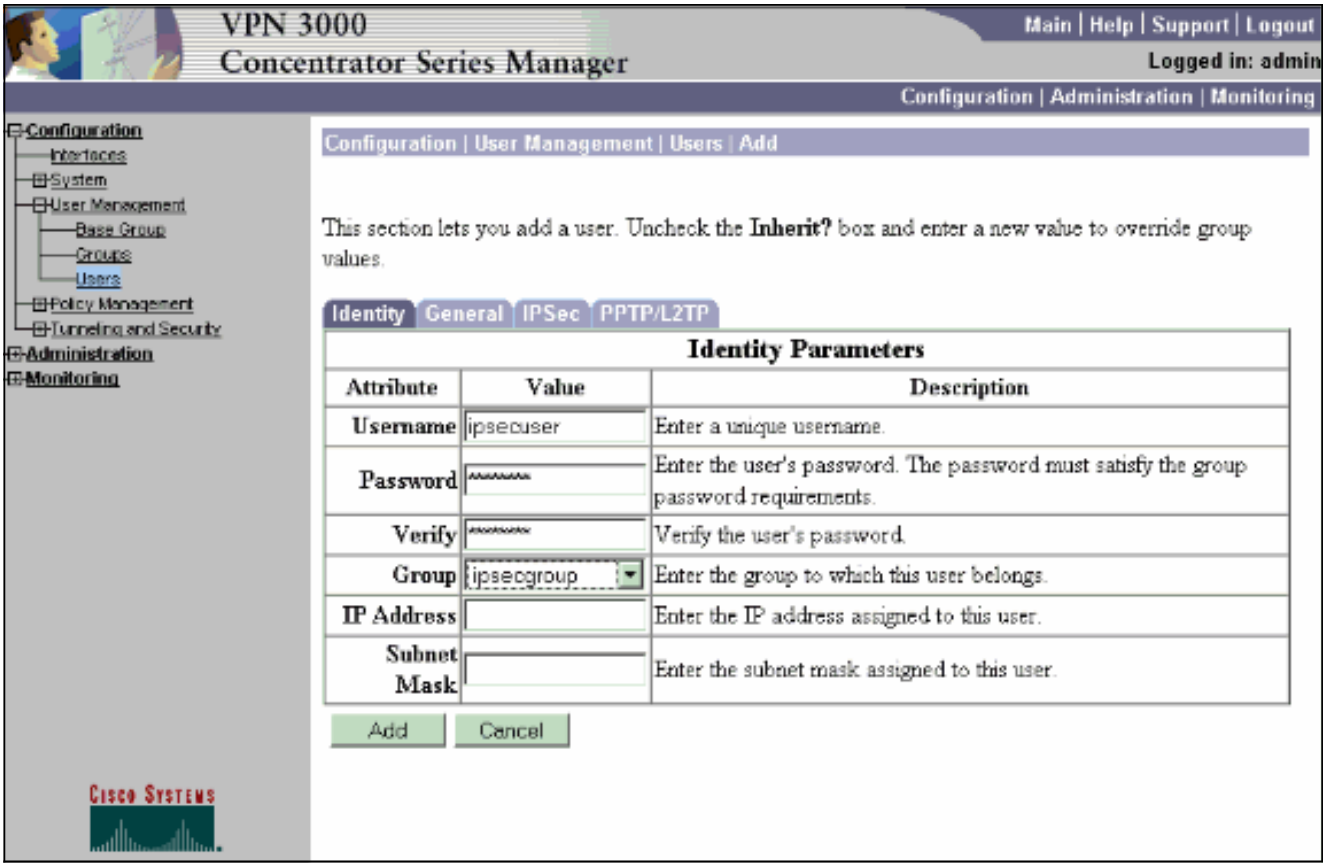
6. 在組的General頁籤上，驗證是否選擇了IPSec。



7. 在組的IPSec頁籤上，驗證身份驗證是否設定為**Internal**。選擇**Configuration > User Management > Groups > Modify Group**，然後從Current Groups選項中選擇**ipsecgroup**，即可執行此操作。

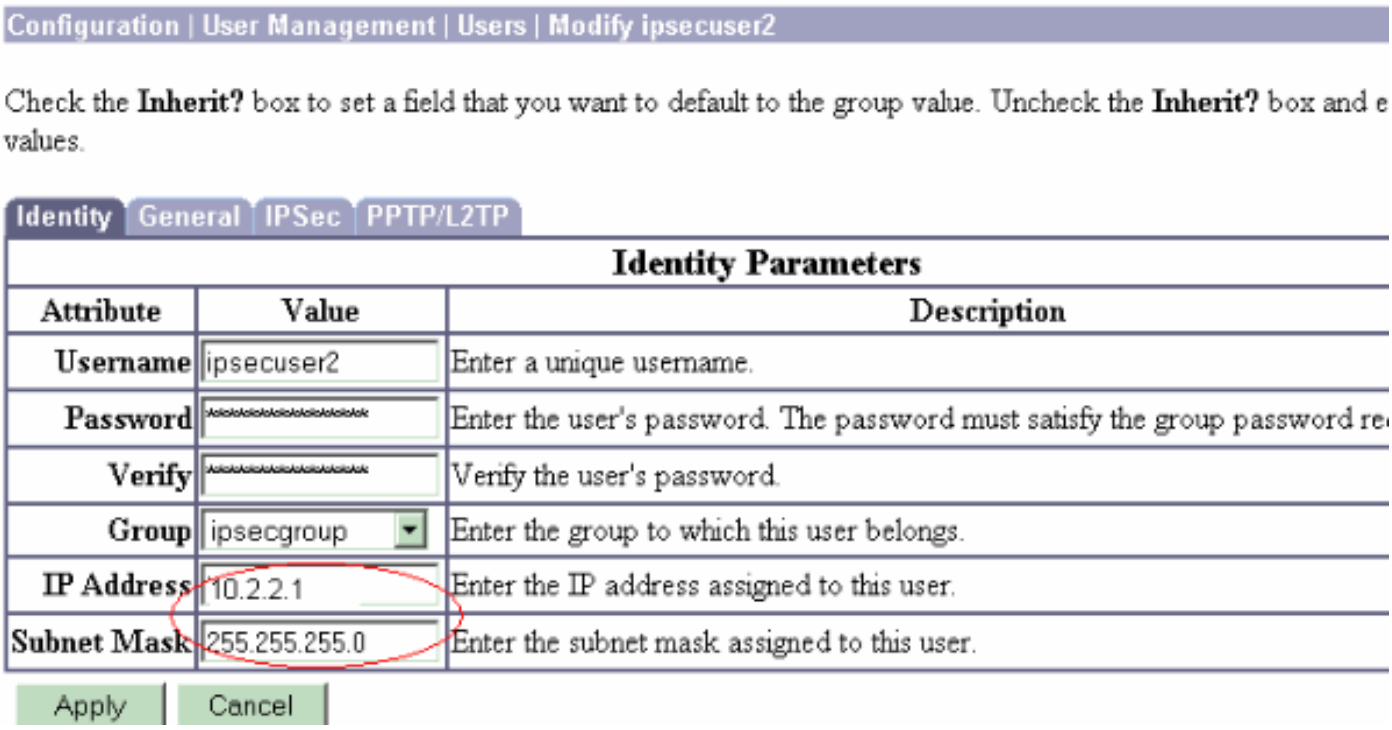


8. 選擇**Configuration > User Management > Users > Add**，然後將使用者新增到先前定義的組中。在本示例中，使用者是「ipsecuser」，密碼為「xyz12345」，位於組「ipsecgroup」中：

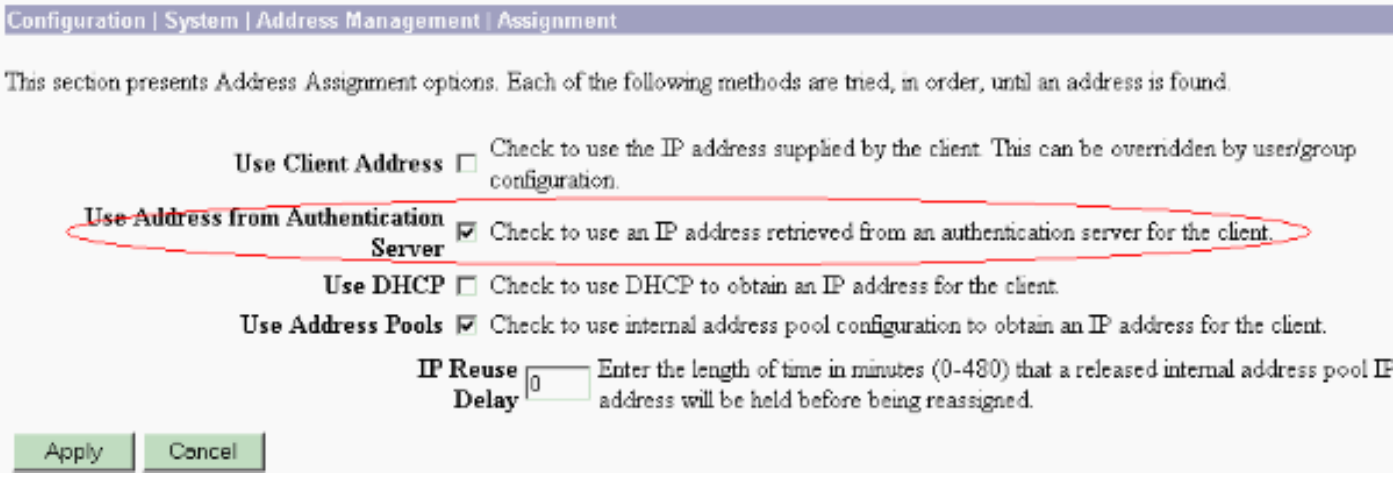


為使用者分配靜態IP地址

要在遠端VPN使用者每次連線到VPN 3000系列集中器時為其分配靜態IP地址，請選擇**Configuration > User Management > Users > Modify ipsecuser2 > identity**。在此使用者(ipsecuser2)配置中，每次使用者連線時都會分配靜態IP地址10.2.2.1/24。



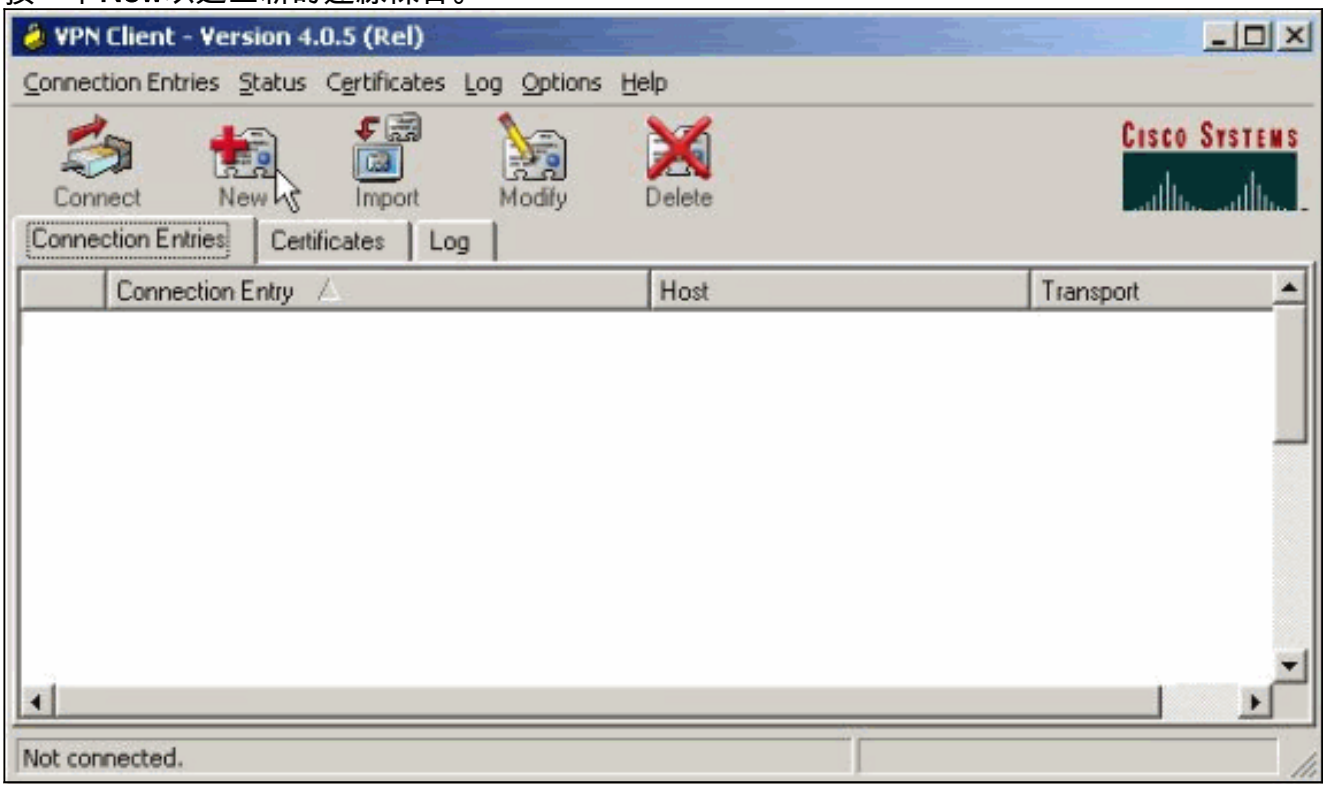
注意：請務必轉至**Configuration > System > Address Management > Assignment，以確保VPN集中器調配已分配的IP地址。**選中**Use Address from Authentication Server**以基於每個使用者分配從身份驗證伺服器檢索的IP地址。在**User Management > Users > Add or Modify**視窗的Identity Parameters頁籤上輸入的IP地址和子網掩碼被視為位於內部身份驗證伺服器中。



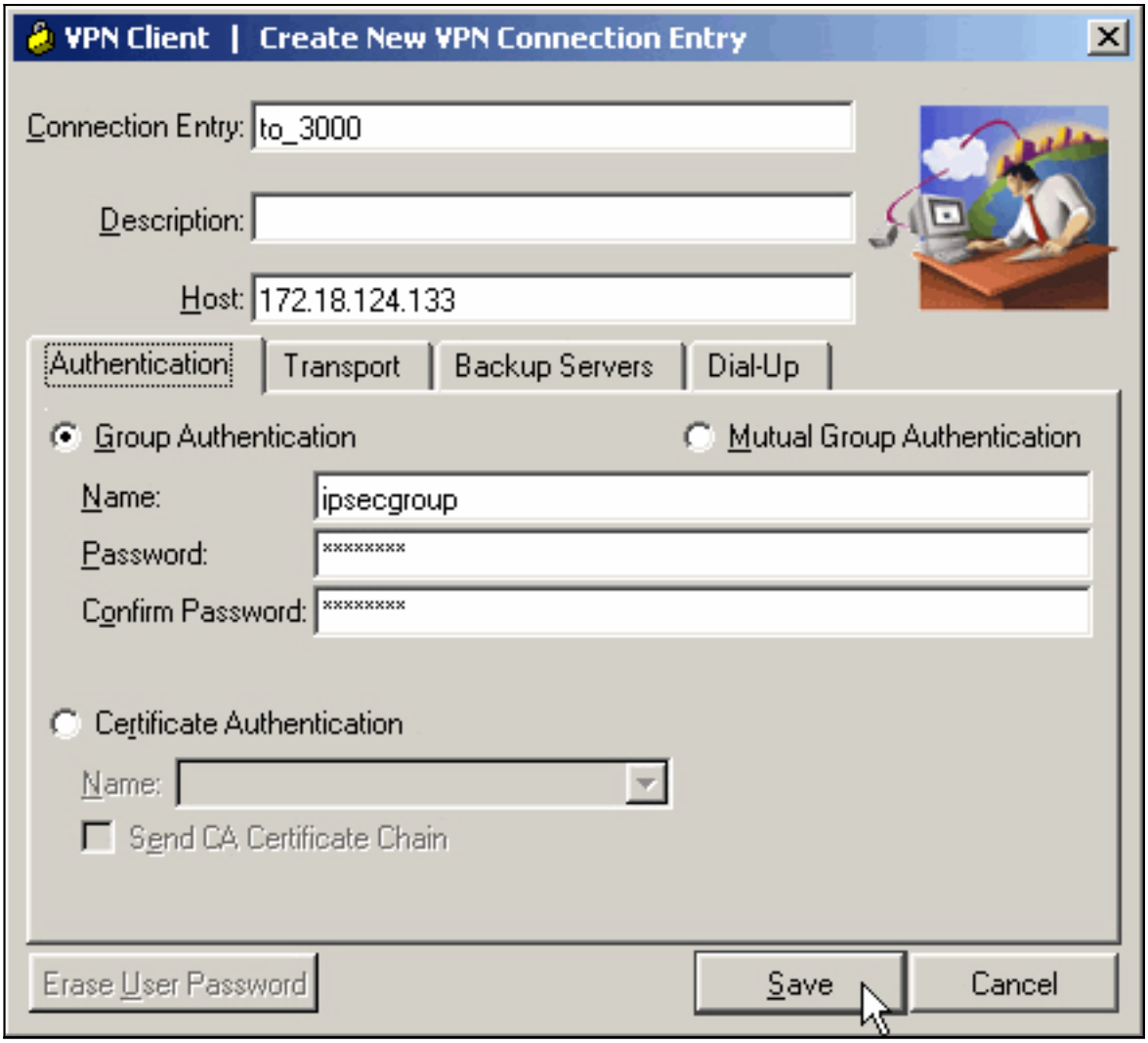
配置VPN客戶端

完成以下步驟以配置VPN客戶端。

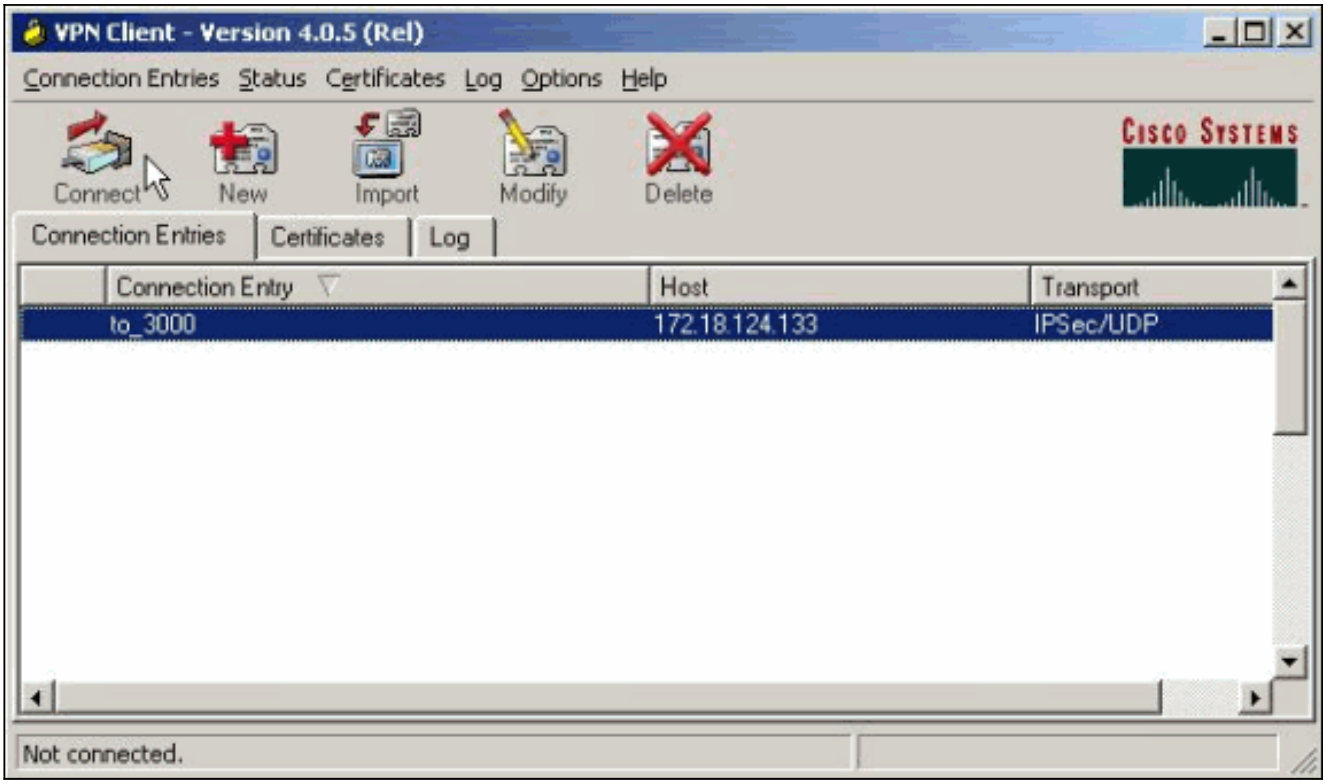
1. 按一下**New**以建立新的連線條目。



2. 命名連線，輸入VPN集中器公共介面的IP地址並提供組憑據。在這種情況下，名稱是**ipsecgroup**，密碼是**cisco123**。完成後按一下**Save**。



3. 從清單中選擇連線條目，然後按一下**Connect**。當系統提示輸入使用者名稱/密碼時，輸入使用者名稱/密碼。



驗證

目前沒有適用於此組態的驗證程序。

疑難排解

以下各節提供了可用於對配置進行故障排除的資訊。

輸出直譯器工具(僅供已註冊客戶使用)(OIT)支援某些**show**命令。使用OIT檢視**show**命令輸出的分析。

註：在發出debug命令前，請先參閱有關Debug命令的重要資訊。

可能出錯的地方

這些是可能發生的潛在錯誤。有關這些錯誤的解決方案，請參閱VPN客戶端和VPN集中器部分。

- 使用者收到消息`Unable to negotiate IPSec or host not respond`。VPN 3000調試顯示：
  ```
  14 02/20/2001 08:59:29.100 SEV=4 IKE/22 RPT=5 10.102.55.139
  No Group found matching badgroup for Pre-shared key peer 10.102.55.139
  ```
  常見原因：使用者嘗試使用未配置的組名進行連線。
- 使用者無法連線，VPN 3000調試顯示：
  ```
  Filter missing on interface 2, IKE data from Peer x.x.x.x dropped
  ```
  常見原因：公共介面中缺少篩選器。它通常是「公共」過濾器(但也可以是私有過濾器；「無」無效)。 選擇**Configuration > Interfaces > Ethernet 2 > Filter**，將過濾器設為「public」或其他值（即不是「none」）。 有關如何配置過濾器的詳細資訊，請參閱本文檔的配置部分。
- 使用者無法連線並看到`IPSec`。VPN 3000調試顯示：
  ```
  Terminating connection attempt: IPSEC not permitted for group >group<
  ```
  常見原因：未在組上選擇IPsec。選擇Configuration > User Management > Groups > <group> > Modify > **General**，驗證是否在Tunneling Protocols下選擇了IPSec。
- 使用者嘗試多次後無法連線，並看到VPN 3000調試顯示：
  ```
  Authentication rejected: Reason = User was not found handle = 14, server = Internal,
  user = <user>
  ```
  常見原因：使用者資料庫中不存在該使用者。確保在顯示使用者身份驗證視窗時輸入正確的使用者名稱。
- 使用者無法連線，VPN 3000調試顯示：
  ```
  Filter missing on interface 0, IKE data from Peer x.x.x.x dropped
  ```
  常見原因：缺少預設路由。確保配置中有預設路由。選擇**Configuration > System > IP routing > Default Gateway**，然後指定預設閘道。
- 使用者無法連線，並`IPSec`。VPN 3000調試顯示：
  ```
   User [ <user> ]
  IKE rcv'd FAILED IP Addr status!
  ```
  常見原因：未選中為VPN客戶端提供IP地址的選項。選擇**Configuration > System > Address Management > Address Assignment**，然後選擇選項。
- 使用者無法連線，並看到VPN 3000調試顯示：
  ```
  The calculated HASH doesn't match the received value
  ```
  常見原因：VPN客戶端上的組密碼與VPN集中器上配置的密碼不同。檢查VPN客戶端和集中器上的密碼。
- 您已為VPN集中器後面的資源設定VPN池。您可以訪問資源，但無法對其執行ping。**常見原因**：VPN集中器後面有一個PIX，用於阻止ICMP資料包。登入到PIX並應用**access-list**以啟用ICMP資料包。
- 沒有VPN集中器調試，所有或部分使用者無法連線。預設VPN集中器公共過濾器包含允許此流

量的規則：協定= UDP，埠= 500協定= UDP，埠= 10000協定= ESP協定= AH如果VPN集中器的過濾器允許此流量，則VPN客戶端和VPN集中器之間的裝置可以阻止這些埠中的一些（可能是防火牆）。 為了進行驗證，請嘗試從VPN集中器外部的網路連線到VPN集中器。如果正常工作，則VPN客戶端PC和VPN集中器之間的裝置阻止流量。

- 使用者無法連線並看到以下日誌：
```
07/10/2006 11:48:59.280 SEV=4 IKE/0 RPT=141 10.86.190.92
Group [NYMVPN]
received an unencrypted packet when crypto active!! Dropping packet
```
常見原因：組名或密碼定義錯誤。在VPN 3000集中器上為VPN客戶端重新建立新的組名稱和密碼。
- 使用者可以對VPN集中器後面的主機執行ping或Telnet操作，但使用者無法使用遠端案頭(9RDP)或類似應用程式。**常見原因**：公共介面上未啟用公共過濾器。請參閱本文檔的配置VPN 3000集中器部分中的步驟2。
- 使用者可以連線，但沒有流量通過VPN隧道。**常見原因**：未啟用NAT — 透明度。在許多情況下，VPN客戶端位於PAT裝置之後。PAT依靠TCP和UDP埠號來節省地址空間。但是，封裝VPN流量的ESP是與TCP或UDP分開的協定。這意味著許多PAT裝置無法處理ESP流量。NAT-T將ESP資料包封裝在UDP資料包中，允許它們輕鬆通過PAT裝置。因此，為了允許ESP流量通過PAT裝置，需要在集中器上啟用NAT-T。有關詳細資訊，請參閱在VPN 3000集中器上為IPSec配置NAT透明模式。

VPN使用者端

選擇**Start > Programs > Cisco Systems VPN 3000 Client > Log Viewer**以啟動日誌檢視器。

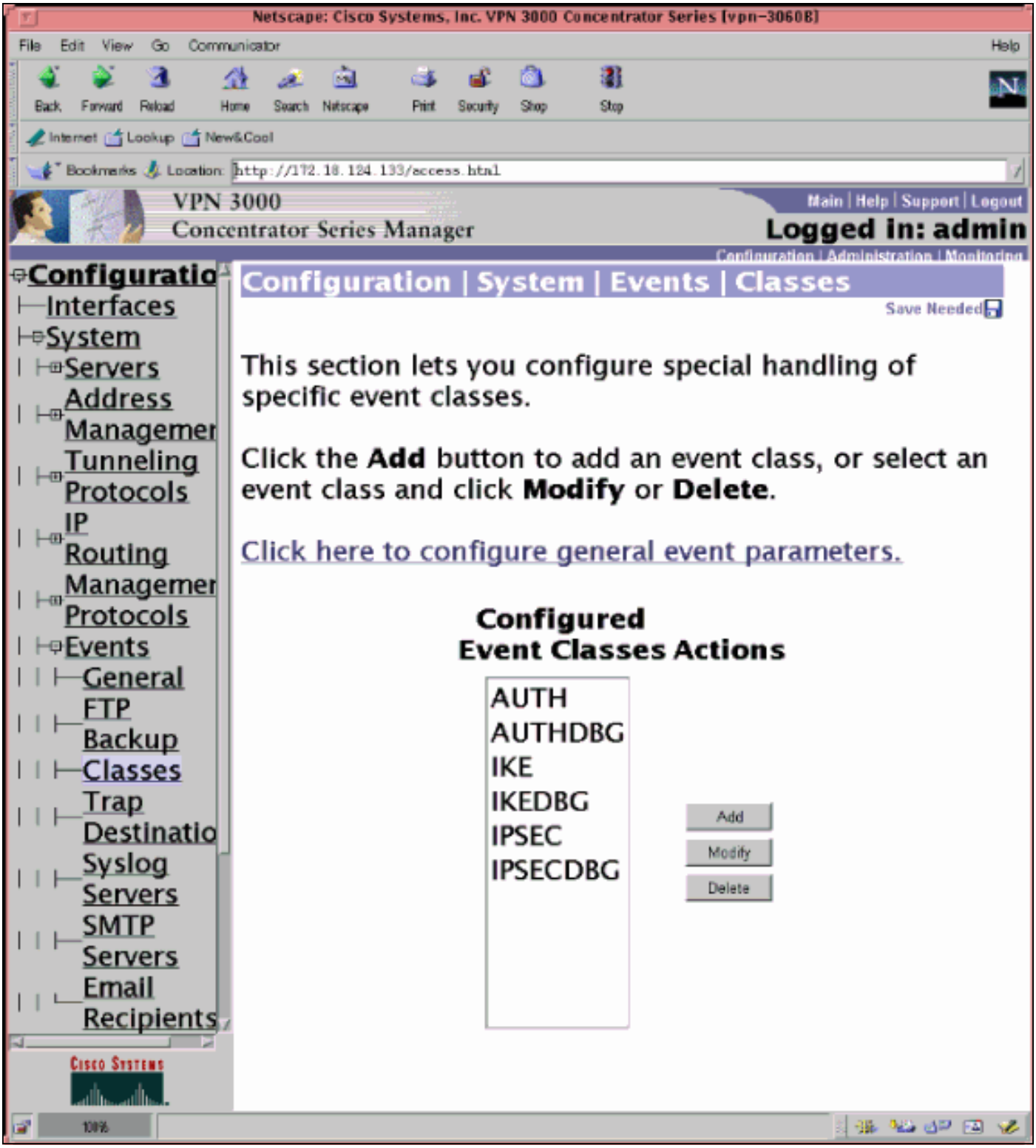
VPN集中器

選擇**Configuration > System > Events > Classes**，以便在發生事件連線失敗時啟用此調試：

- AUTH — 日誌嚴重性1-13
- AUTHDBG — 日誌嚴重性1-13
- IKE — 日誌嚴重性1-13
- IKEDBG — 日誌的嚴重性1-13
- IPSEC — 日誌嚴重性1-13
- IPSECDBG — 日誌嚴重性1-13

注意：如果必要，可以稍後新增AUTHDECODE、IKEDECODE、IPSECDECODE。

請參閱排除VPN 3000集中器上的連線問題以瞭解其他故障排除詳細資訊。



選擇Monitoring > Filterable Event Log以檢視日誌。

VPN 3000 Concentrator — 良好調試示例

```
1 02/07/2002 08:00:13.320 SEV=8 IKEDBG/0 RPT=69 172.18.124.241
RECEIVED Message (msgid=0) with payloads :
HDR + SA (1) + KE (4) + NONCE (10) + ID (5) + VENDOR (13) + VENDOR (13) + VENDOR
 (13) + NONE (0) ... total length : 562

4 02/07/2002 08:00:13.320 SEV=9 IKEDBG/0 RPT=70 172.18.124.241
processing SA payload
```

```
5 02/07/2002 08:00:13.320 SEV=9 IKEDBG/0 RPT=71 172.18.124.241
processing ke payload

6 02/07/2002 08:00:13.320 SEV=9 IKEDBG/0 RPT=72 172.18.124.241
processing ISA_KE

7 02/07/2002 08:00:13.320 SEV=9 IKEDBG/1 RPT=7 172.18.124.241
processing nonce payload

8 02/07/2002 08:00:13.320 SEV=9 IKEDBG/1 RPT=8 172.18.124.241
Processing ID

9 02/07/2002 08:00:13.320 SEV=9 IKEDBG/47 RPT=4 172.18.124.241
processing VID payload

10 02/07/2002 08:00:13.320 SEV=9 IKEDBG/49 RPT=4 172.18.124.241
Received xauth V6 VID

11 02/07/2002 08:00:13.320 SEV=9 IKEDBG/47 RPT=5 172.18.124.241
processing VID payload

12 02/07/2002 08:00:13.320 SEV=9 IKEDBG/49 RPT=5 172.18.124.241
Received DPD VID

13 02/07/2002 08:00:13.320 SEV=9 IKEDBG/47 RPT=6 172.18.124.241
processing VID payload

14 02/07/2002 08:00:13.320 SEV=9 IKEDBG/49 RPT=6 172.18.124.241
Received Cisco Unity client VID

15 02/07/2002 08:00:13.320 SEV=9 IKEDBG/23 RPT=2 172.18.124.241
Starting group lookup for peer 172.18.124.241

16 02/07/2002 08:00:13.320 SEV=8 AUTHDBG/1 RPT=2
AUTH_Open() returns 136

17 02/07/2002 08:00:13.320 SEV=7 AUTH/12 RPT=2
Authentication session opened: handle = 136

18 02/07/2002 08:00:13.320 SEV=8 AUTHDBG/3 RPT=2
AUTH_PutAttrTable(136, 728a84)

19 02/07/2002 08:00:13.320 SEV=8 AUTHDBG/6 RPT=2
AUTH_GroupAuthenticate(136, 9b143bc, 482fb0)

20 02/07/2002 08:00:13.320 SEV=8 AUTHDBG/59 RPT=2
AUTH_BindServer(9a08630, 0, 0)

21 02/07/2002 08:00:13.320 SEV=9 AUTHDBG/69 RPT=2
Auth Server 16b3fa0 has been bound to ACB 9a08630, sessions = 1

22 02/07/2002 08:00:13.320 SEV=8 AUTHDBG/65 RPT=2
AUTH_CreateTimer(9a08630, 0, 0)

23 02/07/2002 08:00:13.320 SEV=9 AUTHDBG/72 RPT=2
Reply timer created: handle = 3B2001B

24 02/07/2002 08:00:13.320 SEV=8 AUTHDBG/61 RPT=2
AUTH_BuildMsg(9a08630, 0, 0)

25 02/07/2002 08:00:13.320 SEV=8 AUTHDBG/64 RPT=2
AUTH_StartTimer(9a08630, 0, 0)

26 02/07/2002 08:00:13.320 SEV=9 AUTHDBG/73 RPT=2
```

```
Reply timer started: handle = 3B2001B, timestamp = 10085308, timeout = 30000

27 02/07/2002 08:00:13.320 SEV=8 AUTHDBG/62 RPT=2
AUTH_SndRequest(9a08630, 0, 0)

28 02/07/2002 08:00:13.320 SEV=8 AUTHDBG/50 RPT=3
IntDB_Decode(62b6d00, 115)

29 02/07/2002 08:00:13.320 SEV=8 AUTHDBG/47 RPT=3
IntDB_Xmt(9a08630)

30 02/07/2002 08:00:13.320 SEV=9 AUTHDBG/71 RPT=2
xmit_cnt = 1

31 02/07/2002 08:00:13.320 SEV=8 AUTHDBG/47 RPT=4
IntDB_Xmt(9a08630)

32 02/07/2002 08:00:13.420 SEV=8 AUTHDBG/49 RPT=2
IntDB_Match(9a08630, 2ebe71c)

33 02/07/2002 08:00:13.420 SEV=8 AUTHDBG/63 RPT=2
AUTH_RcvReply(9a08630, 0, 0)

34 02/07/2002 08:00:13.420 SEV=8 AUTHDBG/50 RPT=4
IntDB_Decode(2ebe71c, 44)

35 02/07/2002 08:00:13.420 SEV=8 AUTHDBG/48 RPT=2
IntDB_Rcv(9a08630)

36 02/07/2002 08:00:13.420 SEV=8 AUTHDBG/66 RPT=2
AUTH_DeleteTimer(9a08630, 0, 0)

37 02/07/2002 08:00:13.420 SEV=9 AUTHDBG/74 RPT=2
Reply timer stopped: handle = 3B2001B, timestamp = 10085318

38 02/07/2002 08:00:13.420 SEV=8 AUTHDBG/58 RPT=2
AUTH_Callback(9a08630, 0, 0)

39 02/07/2002 08:00:13.420 SEV=6 AUTH/41 RPT=2 172.18.124.241
Authentication successful: handle = 136, server = Internal, group = ipsecgroup

40 02/07/2002 08:00:13.420 SEV=7 IKEDBG/0 RPT=73 172.18.124.241
Group [ipsecgroup]
Found Phase 1 Group (ipsecgroup)

41 02/07/2002 08:00:13.420 SEV=8 AUTHDBG/4 RPT=2
AUTH_GetAttrTable(136, 728c4c)

42 02/07/2002 08:00:13.420 SEV=7 IKEDBG/14 RPT=2 172.18.124.241
Group [ipsecgroup]
Authentication configured for Internal

43 02/07/2002 08:00:13.420 SEV=8 AUTHDBG/2 RPT=2
AUTH_Close(136)

44 02/07/2002 08:00:13.420 SEV=9 IKEDBG/0 RPT=74 172.18.124.241
Group [ipsecgroup]
processing IKE SA

45 02/07/2002 08:00:13.420 SEV=8 IKEDBG/0 RPT=75 172.18.124.241
Group [ipsecgroup]
Proposal # 1, Transform # 1, Type ISAKMP, Id IKE
Parsing received transform:
  Phase 1 failure against global IKE proposal # 1:
```

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

50 02/07/2002 08:00:13.420 SEV=8 IKEDBG/0 RPT=76 172.18.124.241
Group [ipsecgroup]
  Phase 1 failure against global IKE proposal # 2:
  Mismatched attr types for class Hash Alg:
    Rcv'd: SHA
    Cfg'd: MD5

53 02/07/2002 08:00:13.420 SEV=8 IKEDBG/0 RPT=77 172.18.124.241
Group [ipsecgroup]
  Phase 1 failure against global IKE proposal # 3:
  Mismatched attr types for class DH Group:
    Rcv'd: Oakley Group 2
    Cfg'd: Oakley Group 1

57 02/07/2002 08:00:13.420 SEV=8 IKEDBG/0 RPT=78 172.18.124.241
Group [ipsecgroup]
  Phase 1 failure against global IKE proposal # 4:
  Mismatched attr types for class DH Group:
    Rcv'd: Oakley Group 2
    Cfg'd: Oakley Group 1

61 02/07/2002 08:00:13.420 SEV=8 IKEDBG/0 RPT=79 172.18.124.241
Group [ipsecgroup]
  Phase 1 failure against global IKE proposal # 5:
  Mismatched attr types for class DH Group:
    Rcv'd: Oakley Group 2
    Cfg'd: Oakley Group 7

65 02/07/2002 08:00:13.420 SEV=8 IKEDBG/0 RPT=80 172.18.124.241
Group [ipsecgroup]
  Phase 1 failure against global IKE proposal # 6:
  Mismatched attr types for class Hash Alg:
    Rcv'd: SHA
    Cfg'd: MD5

68 02/07/2002 08:00:13.420 SEV=7 IKEDBG/28 RPT=2 172.18.124.241
Group [ipsecgroup]
IKE SA Proposal # 1, Transform # 2 acceptable
Matches global IKE entry # 1

70 02/07/2002 08:00:13.420 SEV=8 AUTHDBG/60 RPT=2
AUTH_UnbindServer(9a08630, 0, 0)

71 02/07/2002 08:00:13.420 SEV=9 AUTHDBG/70 RPT=2
Auth Server 16b3fa0 has been unbound from ACB 9a08630, sessions = 0

72 02/07/2002 08:00:13.420 SEV=8 AUTHDBG/10 RPT=2
AUTH_Int_FreeAuthCB(9a08630)

73 02/07/2002 08:00:13.420 SEV=7 AUTH/13 RPT=2
Authentication session closed: handle = 136

74 02/07/2002 08:00:13.450 SEV=9 IKEDBG/0 RPT=81 172.18.124.241

Group [ipsecgroup]
constructing ISA_SA for isakmp

75 02/07/2002 08:00:13.450 SEV=9 IKEDBG/0 RPT=82 172.18.124.241
Group [ipsecgroup]
constructing ke payload
```

```
76 02/07/2002 08:00:13.450 SEV=9 IKEDBG/1 RPT=9 172.18.124.241
Group [ipsecgroup]
constructing nonce payload

77 02/07/2002 08:00:13.450 SEV=9 IKEDBG/0 RPT=83 172.18.124.241
Group [ipsecgroup]
Generating keys for Responder...

78 02/07/2002 08:00:13.450 SEV=9 IKEDBG/1 RPT=10 172.18.124.241
Group [ipsecgroup]
constructing ID

79 02/07/2002 08:00:13.450 SEV=9 IKEDBG/0 RPT=84
Group [ipsecgroup]
construct hash payload

80 02/07/2002 08:00:13.450 SEV=9 IKEDBG/0 RPT=85 172.18.124.241
Group [ipsecgroup]
computing hash

81 02/07/2002 08:00:13.450 SEV=9 IKEDBG/46 RPT=5 172.18.124.241
Group [ipsecgroup]
constructing Cisco Unity VID payload

82 02/07/2002 08:00:13.450 SEV=9 IKEDBG/46 RPT=6 172.18.124.241
Group [ipsecgroup]
constructing xauth V6 VID payload

83 02/07/2002 08:00:13.450 SEV=9 IKEDBG/46 RPT=7 172.18.124.241
Group [ipsecgroup]
constructing dpd vid payload

84 02/07/2002 08:00:13.450 SEV=9 IKEDBG/46 RPT=8 172.18.124.241
Group [ipsecgroup]
constructing VID payload

85 02/07/2002 08:00:13.450 SEV=9 IKEDBG/48 RPT=2 172.18.124.241
Group [ipsecgroup]
Send Altiga GW VID

86 02/07/2002 08:00:13.450 SEV=8 IKEDBG/0 RPT=86 172.18.124.241
SENDING Message (msgid=0) with payloads :
HDR + SA (1) + KE (4) + NONCE (10) + ID (5) + HASH (8) + VENDOR (13) + VENDOR (1
3) + VENDOR (13) + VENDOR (13) + NONE (0) ... total length : 344

89 02/07/2002 08:00:13.480 SEV=8 IKEDBG/0 RPT=87 172.18.124.241
RECEIVED Message (msgid=0) with payloads :
HDR + HASH (8) + NOTIFY (11) + NONE (0) ... total length : 76

91 02/07/2002 08:00:13.480 SEV=9 IKEDBG/0 RPT=88 172.18.124.241
Group [ipsecgroup]
processing hash

92 02/07/2002 08:00:13.480 SEV=9 IKEDBG/0 RPT=89 172.18.124.241
Group [ipsecgroup]
computing hash

93 02/07/2002 08:00:13.480 SEV=9 IKEDBG/0 RPT=90 172.18.124.241
Group [ipsecgroup]
Processing Notify payload

94 02/07/2002 08:00:13.480 SEV=9 IKEDBG/0 RPT=91 172.18.124.241
Group [ipsecgroup]
```

```
constructing blank hash

95 02/07/2002 08:00:13.480 SEV=9 IKEDBG/0 RPT=92 172.18.124.241
Group [ipsecgroup]
constructing qm hash

96 02/07/2002 08:00:13.480 SEV=8 IKEDBG/0 RPT=93 172.18.124.241
SENDING Message (msgid=ec88ba81) with payloads :
HDR + HASH (8) + ATTR (14) + NONE (0) ... total length : 100

98 02/07/2002 08:00:21.810 SEV=8 IKEDBG/0 RPT=94 172.18.124.241
RECEIVED Message (msgid=ec88ba81) with payloads :
HDR + HASH (8) + ATTR (14) + NONE (0) ... total length : 85

100 02/07/2002 08:00:21.810 SEV=9 IKEDBG/1 RPT=11
process_attr(): Enter!

101 02/07/2002 08:00:21.810 SEV=9 IKEDBG/1 RPT=12
Processing MODE_CFG Reply attributes.

102 02/07/2002 08:00:21.810 SEV=8 AUTHDBG/1 RPT=3
AUTH_Open() returns 137

103 02/07/2002 08:00:21.810 SEV=7 AUTH/12 RPT=3
Authentication session opened: handle = 137

104 02/07/2002 08:00:21.810 SEV=8 AUTHDBG/3 RPT=3
AUTH_PutAttrTable(137, 728a84)

105 02/07/2002 08:00:21.810 SEV=8 AUTHDBG/5 RPT=1
AUTH_Authenticate(137, 50093bc, 4b5708)

106 02/07/2002 08:00:21.810 SEV=8 AUTHDBG/59 RPT=3
AUTH_BindServer(9b1544c, 0, 0)

107 02/07/2002 08:00:21.810 SEV=9 AUTHDBG/69 RPT=3
Auth Server 16b3fa0 has been bound to ACB 9b1544c, sessions = 1

108 02/07/2002 08:00:21.810 SEV=8 AUTHDBG/65 RPT=3
AUTH_CreateTimer(9b1544c, 0, 0)

109 02/07/2002 08:00:21.810 SEV=9 AUTHDBG/72 RPT=3
Reply timer created: handle = 3B4001A

110 02/07/2002 08:00:21.810 SEV=8 AUTHDBG/61 RPT=3
AUTH_BuildMsg(9b1544c, 0, 0)

111 02/07/2002 08:00:21.810 SEV=8 AUTHDBG/64 RPT=3
AUTH_StartTimer(9b1544c, 0, 0)

112 02/07/2002 08:00:21.810 SEV=9 AUTHDBG/73 RPT=3
Reply timer started: handle = 3B4001A, timestamp = 10086157, timeout = 30000

113 02/07/2002 08:00:21.810 SEV=8 AUTHDBG/62 RPT=3
AUTH_SndRequest(9b1544c, 0, 0)

114 02/07/2002 08:00:21.810 SEV=8 AUTHDBG/50 RPT=5
IntDB_Decode(62b6d00, 102)

115 02/07/2002 08:00:21.810 SEV=8 AUTHDBG/47 RPT=5
IntDB_Xmt(9b1544c)

116 02/07/2002 08:00:21.810 SEV=9 AUTHDBG/71 RPT=3
xmit_cnt = 1
```

```
117 02/07/2002 08:00:21.810 SEV=8 AUTHDBG/47 RPT=6
IntDB_Xmt(9b1544c)

118 02/07/2002 08:00:21.910 SEV=8 AUTHDBG/49 RPT=3
IntDB_Match(9b1544c, 2ebe71c)

119 02/07/2002 08:00:21.910 SEV=8 AUTHDBG/63 RPT=3
AUTH_RcvReply(9b1544c, 0, 0)

120 02/07/2002 08:00:21.910 SEV=8 AUTHDBG/50 RPT=6
IntDB_Decode(2ebe71c, 62)

121 02/07/2002 08:00:21.910 SEV=8 AUTHDBG/48 RPT=3
IntDB_Rcv(9b1544c)

122 02/07/2002 08:00:21.910 SEV=8 AUTHDBG/66 RPT=3
AUTH_DeleteTimer(9b1544c, 0, 0)

123 02/07/2002 08:00:21.910 SEV=9 AUTHDBG/74 RPT=3
Reply timer stopped: handle = 3B4001A, timestamp = 10086167

124 02/07/2002 08:00:21.910 SEV=8 AUTHDBG/58 RPT=3
AUTH_Callback(9b1544c, 0, 0)

125 02/07/2002 08:00:21.910 SEV=6 AUTH/4 RPT=1 172.18.124.241
Authentication successful: handle = 137, server = Internal, user = ipsecuser

126 02/07/2002 08:00:21.910 SEV=8 AUTHDBG/3 RPT=4
AUTH_PutAttrTable(137, 1861c60)

127 02/07/2002 08:00:21.910 SEV=8 AUTHDBG/60 RPT=3
AUTH_UnbindServer(9b1544c, 0, 0)

128 02/07/2002 08:00:21.910 SEV=9 AUTHDBG/70 RPT=3
Auth Server 16b3fa0 has been unbound from ACB 9b1544c, sessions = 0

129 02/07/2002 08:00:21.910 SEV=8 AUTHDBG/59 RPT=4
AUTH_BindServer(9b1544c, 0, 0)

130 02/07/2002 08:00:21.910 SEV=9 AUTHDBG/69 RPT=4
Auth Server 16b3fa0 has been bound to ACB 9b1544c, sessions = 1

131 02/07/2002 08:00:21.910 SEV=8 AUTHDBG/65 RPT=4
AUTH_CreateTimer(9b1544c, 0, 0)

132 02/07/2002 08:00:21.910 SEV=9 AUTHDBG/72 RPT=4
Reply timer created: handle = 3B5001A

133 02/07/2002 08:00:21.910 SEV=8 AUTHDBG/61 RPT=4
AUTH_BuildMsg(9b1544c, 0, 0)

134 02/07/2002 08:00:21.910 SEV=8 AUTHDBG/64 RPT=4
AUTH_StartTimer(9b1544c, 0, 0)

135 02/07/2002 08:00:21.910 SEV=9 AUTHDBG/73 RPT=4
Reply timer started: handle = 3B5001A, timestamp = 10086167, timeout = 30000

136 02/07/2002 08:00:21.910 SEV=8 AUTHDBG/62 RPT=4
AUTH_SndRequest(9b1544c, 0, 0)

137 02/07/2002 08:00:21.910 SEV=8 AUTHDBG/50 RPT=7
IntDB_Decode(2ec5350, 44)
```

```
138 02/07/2002 08:00:21.910 SEV=8 AUTHDBG/47 RPT=7
IntDB_Xmt(9b1544c)

139 02/07/2002 08:00:21.910 SEV=9 AUTHDBG/71 RPT=4
xmit_cnt = 1

140 02/07/2002 08:00:21.910 SEV=8 AUTHDBG/47 RPT=8
IntDB_Xmt(9b1544c)

141 02/07/2002 08:00:22.010 SEV=8 AUTHDBG/49 RPT=4
IntDB_Match(9b1544c, 2ec3f64)

142 02/07/2002 08:00:22.010 SEV=8 AUTHDBG/63 RPT=4
AUTH_RcvReply(9b1544c, 0, 0)

143 02/07/2002 08:00:22.010 SEV=8 AUTHDBG/50 RPT=8
IntDB_Decode(2ec3f64, 44)

144 02/07/2002 08:00:22.010 SEV=8 AUTHDBG/48 RPT=4
IntDB_Rcv(9b1544c)

145 02/07/2002 08:00:22.010 SEV=8 AUTHDBG/66 RPT=4
AUTH_DeleteTimer(9b1544c, 0, 0)

146 02/07/2002 08:00:22.010 SEV=9 AUTHDBG/74 RPT=4
Reply timer stopped: handle = 3B5001A, timestamp = 10086177

147 02/07/2002 08:00:22.010 SEV=8 AUTHDBG/58 RPT=4
AUTH_Callback(9b1544c, 0, 0)

148 02/07/2002 08:00:22.010 SEV=6 AUTH/41 RPT=3 172.18.124.241
Authentication successful: handle = 137, server = Internal, group = ipsecgroup

149 02/07/2002 08:00:22.010 SEV=8 AUTHDBG/3 RPT=5
AUTH_PutAttrTable(137, 1861c60)

150 02/07/2002 08:00:22.010 SEV=8 AUTHDBG/60 RPT=4
AUTH_UnbindServer(9b1544c, 0, 0)

151 02/07/2002 08:00:22.010 SEV=9 AUTHDBG/70 RPT=4
Auth Server 16b3fa0 has been unbound from ACB 9b1544c, sessions = 0

152 02/07/2002 08:00:22.010 SEV=8 AUTHDBG/59 RPT=5
AUTH_BindServer(9b1544c, 0, 0)

153 02/07/2002 08:00:22.010 SEV=9 AUTHDBG/69 RPT=5
Auth Server 16b3fa0 has been bound to ACB 9b1544c, sessions = 1

154 02/07/2002 08:00:22.010 SEV=8 AUTHDBG/65 RPT=5
AUTH_CreateTimer(9b1544c, 0, 0)

155 02/07/2002 08:00:22.010 SEV=9 AUTHDBG/72 RPT=5
Reply timer created: handle = 3B6001A

156 02/07/2002 08:00:22.010 SEV=8 AUTHDBG/61 RPT=5
AUTH_BuildMsg(9b1544c, 0, 0)

157 02/07/2002 08:00:22.010 SEV=8 AUTHDBG/64 RPT=5
AUTH_StartTimer(9b1544c, 0, 0)

158 02/07/2002 08:00:22.010 SEV=9 AUTHDBG/73 RPT=5
Reply timer started: handle = 3B6001A, timestamp = 10086177, timeout = 30000
```

```
159 02/07/2002 08:00:22.010 SEV=8 AUTHDBG/62 RPT=5
AUTH_SndRequest(9b1544c, 0, 0)

160 02/07/2002 08:00:22.010 SEV=8 AUTHDBG/50 RPT=9
IntDB_Decode(2ec39ec, 44)

161 02/07/2002 08:00:22.010 SEV=8 AUTHDBG/47 RPT=9
IntDB_Xmt(9b1544c)

162 02/07/2002 08:00:22.010 SEV=9 AUTHDBG/71 RPT=5
xmit_cnt = 1

163 02/07/2002 08:00:22.010 SEV=8 AUTHDBG/47 RPT=10
IntDB_Xmt(9b1544c)

164 02/07/2002 08:00:22.110 SEV=8 AUTHDBG/49 RPT=5
IntDB_Match(9b1544c, 2ec5350)

165 02/07/2002 08:00:22.110 SEV=8 AUTHDBG/63 RPT=5
AUTH_RcvReply(9b1544c, 0, 0)

166 02/07/2002 08:00:22.110 SEV=8 AUTHDBG/50 RPT=10
IntDB_Decode(2ec5350, 44)

167 02/07/2002 08:00:22.110 SEV=8 AUTHDBG/48 RPT=5
IntDB_Rcv(9b1544c)

168 02/07/2002 08:00:22.110 SEV=8 AUTHDBG/66 RPT=5
AUTH_DeleteTimer(9b1544c, 0, 0)

169 02/07/2002 08:00:22.110 SEV=9 AUTHDBG/74 RPT=5
Reply timer stopped: handle = 3B6001A, timestamp = 10086187

170 02/07/2002 08:00:22.110 SEV=8 AUTHDBG/58 RPT=5
AUTH_Callback(9b1544c, 0, 0)

171 02/07/2002 08:00:22.110 SEV=6 AUTH/41 RPT=4 172.18.124.241
Authentication successful: handle = 137, server = Internal, group = ipsecgroup

172 02/07/2002 08:00:22.110 SEV=8 AUTHDBG/4 RPT=3
AUTH_GetAttrTable(137, 729c04)

173 02/07/2002 08:00:22.110 SEV=8 AUTHDBG/4 RPT=4
AUTH_GetAttrTable(137, 728c4c)

174 02/07/2002 08:00:22.110 SEV=7 IKEDBG/14 RPT=3 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Authentication configured for Internal

175 02/07/2002 08:00:22.110 SEV=8 AUTHDBG/2 RPT=3
AUTH_Close(137)

176 02/07/2002 08:00:22.110 SEV=4 IKE/52 RPT=61 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
User (ipsecuser) authenticated.

177 02/07/2002 08:00:22.110 SEV=9 IKEDBG/0 RPT=95 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
constructing blank hash

178 02/07/2002 08:00:22.110 SEV=9 IKEDBG/0 RPT=96 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
constructing qm hash
```

```
179 02/07/2002 08:00:22.110 SEV=8 IKEDBG/0 RPT=97 172.18.124.241
SENDING Message (msgid=4cc78f4e) with payloads :
HDR + HASH (8) + ATTR (14) + NONE (0) ... total length : 60

181 02/07/2002 08:00:22.110 SEV=8 AUTHDBG/60 RPT=5
AUTH_UnbindServer(9b1544c, 0, 0)

182 02/07/2002 08:00:22.110 SEV=9 AUTHDBG/70 RPT=5
Auth Server 16b3fa0 has been unbound from ACB 9b1544c, sessions = 0

183 02/07/2002 08:00:22.110 SEV=8 AUTHDBG/10 RPT=3
AUTH_Int_FreeAuthCB(9b1544c)

184 02/07/2002 08:00:22.110 SEV=7 AUTH/13 RPT=3
Authentication session closed: handle = 137

185 02/07/2002 08:00:22.110 SEV=8 IKEDBG/0 RPT=98 172.18.124.241
RECEIVED Message (msgid=4cc78f4e) with payloads :
HDR + HASH (8) + ATTR (14) + NONE (0) ... total length : 56

187 02/07/2002 08:00:22.110 SEV=9 IKEDBG/1 RPT=13
process_attr(): Enter!

188 02/07/2002 08:00:22.110 SEV=9 IKEDBG/1 RPT=14
Processing cfg ACK attributes

189 02/07/2002 08:00:22.180 SEV=8 IKEDBG/0 RPT=99 172.18.124.241
RECEIVED Message (msgid=38a7c320) with payloads :
HDR + HASH (8) + ATTR (14) + NONE (0) ... total length : 154

191 02/07/2002 08:00:22.180 SEV=9 IKEDBG/1 RPT=15
process_attr(): Enter!

192 02/07/2002 08:00:22.180 SEV=9 IKEDBG/1 RPT=16
Processing cfg Request attributes

193 02/07/2002 08:00:22.180 SEV=9 IKEDBG/53 RPT=1
MODE_CFG: Received request for IPV4 address!

194 02/07/2002 08:00:22.180 SEV=9 IKEDBG/53 RPT=2
MODE_CFG: Received request for IPV4 net mask!

195 02/07/2002 08:00:22.180 SEV=9 IKEDBG/53 RPT=3
MODE_CFG: Received request for DNS server address!

196 02/07/2002 08:00:22.180 SEV=9 IKEDBG/53 RPT=4
MODE_CFG: Received request for WINS server address!

197 02/07/2002 08:00:22.180 SEV=6 IKE/130 RPT=1 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Received unsupported transaction mode attribute: 5

199 02/07/2002 08:00:22.180 SEV=9 IKEDBG/53 RPT=5
MODE_CFG: Received request for Application Version!

200 02/07/2002 08:00:22.180 SEV=9 IKEDBG/53 RPT=6
MODE_CFG: Received request for Banner!

201 02/07/2002 08:00:22.180 SEV=9 IKEDBG/53 RPT=7
MODE_CFG: Received request for Save PW setting!

202 02/07/2002 08:00:22.180 SEV=9 IKEDBG/53 RPT=8
MODE_CFG: Received request for Default Domain Name!
```

```
203 02/07/2002 08:00:22.180 SEV=9 IKEDBG/53 RPT=9
MODE_CFG: Received request for Split Tunnel List!

204 02/07/2002 08:00:22.180 SEV=9 IKEDBG/53 RPT=10
MODE_CFG: Received request for PFS setting!

205 02/07/2002 08:00:22.180 SEV=9 IKEDBG/53 RPT=11
MODE_CFG: Received request for FWTYPE!

206 02/07/2002 08:00:22.180 SEV=9 IKEDBG/53 RPT=12
MODE_CFG: Received request for UDP Port!

207 02/07/2002 08:00:22.180 SEV=9 IKEDBG/31 RPT=1 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Obtained IP addr (10.1.1.100) prior to initiating Mode Cfg (XAuth enabled)

209 02/07/2002 08:00:22.180 SEV=9 IKEDBG/0 RPT=100 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
constructing blank hash

210 02/07/2002 08:00:22.180 SEV=9 IKEDBG/0 RPT=101 172.18.124.241
0000: 00010004 0A010164 F0010000 F0070000     .......d........
0010: 00070062 43697363 6F205379 7374656D     ...bCisco System
0020: 732C2049 6E632E2F 56504E20 33303030     s, Inc./VPN 3000
0030: 20436F6E 63656E74 7261746F 72205665      Concentrator Ve
0040: 7273696F 6E20332E 352E5265 6C206275     rsion 3.5.Rel bu
0050: 696C7420 62792076 6D757270 6879206F     ilt by vmurphy o

216 02/07/2002 08:00:22.180 SEV=9 IKEDBG/0 RPT=102 172.18.124.241
0000: 6E204E6F 76203237 20323030 31203131     n Nov 27 2001 11
0010: 3A32323A 3331                           :22:31

218 02/07/2002 08:00:22.180 SEV=9 IKEDBG/0 RPT=103 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
constructing qm hash

219 02/07/2002 08:00:22.180 SEV=8 IKEDBG/0 RPT=104 172.18.124.241
SENDING Message (msgid=38a7c320) with payloads :
HDR + HASH (8) + ATTR (14) + NONE (0) ... total length : 174

221 02/07/2002 08:00:22.190 SEV=9 IKEDBG/21 RPT=1 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Delay Quick Mode processing, Cert/Trans Exch/RM DSID in progress

223 02/07/2002 08:00:22.190 SEV=4 AUTH/22 RPT=86
User ipsecuser connected

224 02/07/2002 08:00:22.190 SEV=7 IKEDBG/22 RPT=1 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Resume Quick Mode processing, Cert/Trans Exch/RM DSID completed

226 02/07/2002 08:00:22.200 SEV=4 IKE/119 RPT=68 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
PHASE 1 COMPLETED

227 02/07/2002 08:00:22.200 SEV=6 IKE/121 RPT=1 172.18.124.241
Keep-alive type for this connection: DPD

228 02/07/2002 08:00:22.200 SEV=7 IKEDBG/0 RPT=105 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Starting phase 1 rekey timer: 82080000 (ms)

229 02/07/2002 08:00:22.200 SEV=9 IKEDBG/0 RPT=106 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
```

```
sending notify message

230 02/07/2002 08:00:22.200 SEV=9 IKEDBG/0 RPT=107 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
constructing blank hash

231 02/07/2002 08:00:22.200 SEV=9 IKEDBG/0 RPT=108 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
constructing qm hash

232 02/07/2002 08:00:22.200 SEV=8 IKEDBG/0 RPT=109 172.18.124.241
SENDING Message (msgid=be237358) with payloads :
HDR + HASH (8) + NOTIFY (11) + NONE (0) ... total length : 88

234 02/07/2002 08:00:22.200 SEV=8 IKEDBG/0 RPT=110 172.18.124.241
RECEIVED Message (msgid=472c326b) with payloads :
HDR + HASH (8) + SA (1) + NONCE (10) + ID (5) + ID (5) + NONE (0) ... total leng
th : 792

237 02/07/2002 08:00:22.200 SEV=9 IKEDBG/0 RPT=111 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
processing hash

238 02/07/2002 08:00:22.200 SEV=9 IKEDBG/0 RPT=112 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
processing SA payload

239 02/07/2002 08:00:22.200 SEV=9 IKEDBG/1 RPT=17 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
processing nonce payload

240 02/07/2002 08:00:22.200 SEV=9 IKEDBG/1 RPT=18 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Processing ID

241 02/07/2002 08:00:22.200 SEV=5 IKE/25 RPT=62 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Received remote Proxy Host data in ID Payload:
Address 10.1.1.100, Protocol 0, Port 0

244 02/07/2002 08:00:22.200 SEV=9 IKEDBG/1 RPT=19 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Processing ID

245 02/07/2002 08:00:22.200 SEV=5 IKE/24 RPT=61 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Received local Proxy Host data in ID Payload:
Address 172.18.124.133, Protocol 0, Port 0

248 02/07/2002 08:00:22.200 SEV=8 IKEDBG/0 RPT=113
QM IsRekeyed old sa not found by addr

249 02/07/2002 08:00:22.200 SEV=5 IKE/66 RPT=121 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
IKE Remote Peer configured for SA: ESP-3DES-MD5

251 02/07/2002 08:00:22.200 SEV=9 IKEDBG/0 RPT=114 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
processing IPSEC SA

252 02/07/2002 08:00:22.200 SEV=8 IKEDBG/0 RPT=115
Proposal # 2, Transform # 1, Type ESP, Id Triple-DES
Parsing received transform:
  Phase 2 failure:
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```
  Mismatched attr types for class HMAC Algorithm:
    Rcv'd: SHA
    Cfg'd: MD5

256 02/07/2002 08:00:22.200 SEV=7 IKEDBG/27 RPT=1 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
IPSec SA Proposal # 3, Transform # 1 acceptable

258 02/07/2002 08:00:22.200 SEV=7 IKEDBG/0 RPT=116 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
IKE: requesting SPI!

259 02/07/2002 08:00:22.200 SEV=9 IPSECDBG/6 RPT=1
IPSEC key message parse - msgtype 6, len 200, vers 1, pid 00000000, seq 129, err
 0, type 2, mode 0, state 32, label 0, pad 0, spi 00000000, encrKeyLen 0, hashKe
yLen 0, ivlen 0, alg 0, hmacAlg 0, lifetype 0, lifetime1 708648, lifetime2 0, ds
Id 300

263 02/07/2002 08:00:22.200 SEV=9 IPSECDBG/1 RPT=1
Processing KEY_GETSPI msg!

264 02/07/2002 08:00:22.200 SEV=7 IPSECDBG/13 RPT=1
Reserved SPI 1037485220

265 02/07/2002 08:00:22.200 SEV=8 IKEDBG/6 RPT=1
IKE got SPI from key engine: SPI = 0x3dd6c4a4

266 02/07/2002 08:00:22.200 SEV=9 IKEDBG/0 RPT=117 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
oakley constucting quick mode

267 02/07/2002 08:00:22.200 SEV=9 IKEDBG/0 RPT=118 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
constructing blank hash

268 02/07/2002 08:00:22.200 SEV=9 IKEDBG/0 RPT=119 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
constructing ISA_SA for ipsec

269 02/07/2002 08:00:22.200 SEV=5 IKE/75 RPT=121 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Overriding Initiator's IPSec rekeying duration from 2147483 to 28800 seconds

271 02/07/2002 08:00:22.200 SEV=9 IKEDBG/1 RPT=20 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
constructing ipsec nonce payload

272 02/07/2002 08:00:22.200 SEV=9 IKEDBG/1 RPT=21 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
constructing proxy ID

273 02/07/2002 08:00:22.200 SEV=7 IKEDBG/0 RPT=120 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Transmitting Proxy Id:
  Remote host: 10.1.1.100  Protocol 0  Port 0
  Local host:  172.18.124.133  Protocol 0  Port 0

277 02/07/2002 08:00:22.200 SEV=7 IKEDBG/0 RPT=121 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Sending RESPONDER LIFETIME notification to Initiator

279 02/07/2002 08:00:22.200 SEV=9 IKEDBG/0 RPT=122 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
constructing qm hash
```

```
280 02/07/2002 08:00:22.200 SEV=8 IKEDBG/0 RPT=123 172.18.124.241
SENDING Message (msgid=472c326b) with payloads :
HDR + HASH (8) + SA (1) + NONCE (10) + ID (5) + ID (5) + NOTIFY (11) + NONE (0)
... total length : 172

283 02/07/2002 08:00:22.210 SEV=8 IKEDBG/0 RPT=124 172.18.124.241
RECEIVED Message (msgid=64c59a32) with payloads :
HDR + HASH (8) + SA (1) + NONCE (10) + ID (5) + ID (5) + NONE (0) ... total leng
th : 796

286 02/07/2002 08:00:22.210 SEV=9 IKEDBG/0 RPT=125 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
processing hash

287 02/07/2002 08:00:22.210 SEV=9 IKEDBG/0 RPT=126 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
processing SA payload

288 02/07/2002 08:00:22.210 SEV=9 IKEDBG/1 RPT=22 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
processing nonce payload

289 02/07/2002 08:00:22.210 SEV=9 IKEDBG/1 RPT=23 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Processing ID

290 02/07/2002 08:00:22.210 SEV=5 IKE/25 RPT=63 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Received remote Proxy Host data in ID Payload:
Address 10.1.1.100, Protocol 0, Port 0

293 02/07/2002 08:00:22.210 SEV=9 IKEDBG/1 RPT=24 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Processing ID

294 02/07/2002 08:00:22.210 SEV=5 IKE/34 RPT=61 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Received local IP Proxy Subnet data in ID Payload:
 Address 0.0.0.0, Mask 0.0.0.0, Protocol 0, Port 0

297 02/07/2002 08:00:22.210 SEV=8 IKEDBG/0 RPT=127
QM IsRekeyed old sa not found by addr

298 02/07/2002 08:00:22.210 SEV=5 IKE/66 RPT=122 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
IKE Remote Peer configured for SA: ESP-3DES-MD5

300 02/07/2002 08:00:22.210 SEV=9 IKEDBG/0 RPT=128 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
processing IPSEC SA

301 02/07/2002 08:00:22.210 SEV=8 IKEDBG/0 RPT=129
Proposal # 2, Transform # 1, Type ESP, Id Triple-DES
Parsing received transform:
  Phase 2 failure:
  Mismatched attr types for class HMAC Algorithm:
    Rcv'd: SHA
    Cfg'd: MD5

305 02/07/2002 08:00:22.210 SEV=7 IKEDBG/27 RPT=2 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
IPSec SA Proposal # 3, Transform # 1 acceptable
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307 02/07/2002 08:00:22.210 SEV=7 IKEDBG/0 RPT=130 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
IKE: requesting SPI!

308 02/07/2002 08:00:22.210 SEV=9 IPSECDBG/6 RPT=2
IPSEC key message parse - msgtype 6, len 200, vers 1, pid 00000000, seq 130, err
 0, type 2, mode 0, state 32, label 0, pad 0, spi 00000000, encrKeyLen 0, hashKe
yLen 0, ivlen 0, alg 0, hmacAlg 0, lifetype 0, lifetime1 708648, lifetime2 0, ds
Id 300

312 02/07/2002 08:00:22.210 SEV=9 IPSECDBG/1 RPT=2
Processing KEY_GETSPI msg!

313 02/07/2002 08:00:22.210 SEV=7 IPSECDBG/13 RPT=2
Reserved SPI 1517437317

314 02/07/2002 08:00:22.210 SEV=8 IKEDBG/6 RPT=2
IKE got SPI from key engine: SPI = 0x5a724185

315 02/07/2002 08:00:22.210 SEV=9 IKEDBG/0 RPT=131 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
oakley constucting quick mode

316 02/07/2002 08:00:22.210 SEV=9 IKEDBG/0 RPT=132 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
constructing blank hash

317 02/07/2002 08:00:22.210 SEV=9 IKEDBG/0 RPT=133 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
constructing ISA_SA for ipsec

318 02/07/2002 08:00:22.210 SEV=5 IKE/75 RPT=122 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Overriding Initiator's IPSec rekeying duration from 2147483 to 28800 seconds

320 02/07/2002 08:00:22.210 SEV=9 IKEDBG/1 RPT=25 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
constructing ipsec nonce payload

321 02/07/2002 08:00:22.210 SEV=9 IKEDBG/1 RPT=26 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
constructing proxy ID

322 02/07/2002 08:00:22.210 SEV=7 IKEDBG/0 RPT=134 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Transmitting Proxy Id:
  Remote host: 10.1.1.100  Protocol 0  Port 0
  Local subnet:  0.0.0.0  mask 0.0.0.0 Protocol 0  Port 0

326 02/07/2002 08:00:22.210 SEV=7 IKEDBG/0 RPT=135 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Sending RESPONDER LIFETIME notification to Initiator

328 02/07/2002 08:00:22.210 SEV=9 IKEDBG/0 RPT=136 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
constructing qm hash

329 02/07/2002 08:00:22.220 SEV=8 IKEDBG/0 RPT=137 172.18.124.241
SENDING Message (msgid=64c59a32) with payloads :
HDR + HASH (8) + SA (1) + NONCE (10) + ID (5) + ID (5) + NOTIFY (11) + NONE (0)
... total length : 176

332 02/07/2002 08:00:22.220 SEV=8 IKEDBG/0 RPT=138 172.18.124.241
RECEIVED Message (msgid=472c326b) with payloads :
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HDR + HASH (8) + NONE (0) ... total length : 48

334 02/07/2002 08:00:22.220 SEV=9 IKEDBG/0 RPT=139 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
processing hash

335 02/07/2002 08:00:22.220 SEV=9 IKEDBG/0 RPT=140 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
loading all IPSEC SAs

336 02/07/2002 08:00:22.220 SEV=9 IKEDBG/1 RPT=27 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Generating Quick Mode Key!

337 02/07/2002 08:00:22.220 SEV=9 IKEDBG/1 RPT=28 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Generating Quick Mode Key!

338 02/07/2002 08:00:22.220 SEV=7 IKEDBG/0 RPT=141 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Loading host:
  Dst: 172.18.124.133
  Src: 10.1.1.100

340 02/07/2002 08:00:22.220 SEV=4 IKE/49 RPT=129 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Security negotiation complete for User (ipsecuser)
Responder, Inbound SPI = 0x3dd6c4a4, Outbound SPI = 0x8104887e

343 02/07/2002 08:00:22.220 SEV=9 IPSECDBG/6 RPT=3
IPSEC key message parse - msgtype 1, len 624, vers 1, pid 00000000, seq 0, err 0
, type 2, mode 1, state 64, label 0, pad 0, spi 8104887e, encrKeyLen 24, hashKey
Len 16, ivlen 8, alg 2, hmacAlg 3, lifetype 0, lifetime1 708648, lifetime2 0, ds
Id 0

347 02/07/2002 08:00:22.220 SEV=9 IPSECDBG/1 RPT=3
Processing KEY_ADD msg!

348 02/07/2002 08:00:22.220 SEV=9 IPSECDBG/1 RPT=4
key_msghdr2secassoc(): Enter

349 02/07/2002 08:00:22.220 SEV=7 IPSECDBG/1 RPT=5
No USER filter configured

350 02/07/2002 08:00:22.220 SEV=9 IPSECDBG/1 RPT=6
KeyProcessAdd: Enter

351 02/07/2002 08:00:22.220 SEV=8 IPSECDBG/1 RPT=7
KeyProcessAdd: Adding outbound SA

352 02/07/2002 08:00:22.220 SEV=8 IPSECDBG/1 RPT=8
KeyProcessAdd: src 172.18.124.133 mask 0.0.0.0, dst 10.1.1.100 mask 0.0.0.0

353 02/07/2002 08:00:22.220 SEV=8 IPSECDBG/1 RPT=9
KeyProcessAdd: FilterIpsecAddIkeSa success

354 02/07/2002 08:00:22.220 SEV=9 IPSECDBG/6 RPT=4
IPSEC key message parse - msgtype 3, len 336, vers 1, pid 00000000, seq 0, err 0
, type 2, mode 1, state 32, label 0, pad 0, spi 3dd6c4a4, encrKeyLen 24, hashKey
Len 16, ivlen 8, alg 2, hmacAlg 3, lifetype 0, lifetime1 708648, lifetime2 0, ds
Id 0

358 02/07/2002 08:00:22.220 SEV=9 IPSECDBG/1 RPT=10
Processing KEY_UPDATE msg!
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359 02/07/2002 08:00:22.220 SEV=9 IPSECDBG/1 RPT=11
Update inbound SA addresses

360 02/07/2002 08:00:22.220 SEV=9 IPSECDBG/1 RPT=12
key_msghdr2secassoc(): Enter

361 02/07/2002 08:00:22.220 SEV=7 IPSECDBG/1 RPT=13
No USER filter configured

362 02/07/2002 08:00:22.220 SEV=9 IPSECDBG/1 RPT=14
KeyProcessUpdate: Enter

363 02/07/2002 08:00:22.220 SEV=8 IPSECDBG/1 RPT=15
KeyProcessUpdate: success

364 02/07/2002 08:00:22.220 SEV=8 IKEDBG/7 RPT=1
IKE got a KEY_ADD msg for SA: SPI = 0x8104887e

365 02/07/2002 08:00:22.220 SEV=8 IKEDBG/0 RPT=142
pitcher: rcv KEY_UPDATE, spi 0x3dd6c4a4

366 02/07/2002 08:00:22.220 SEV=4 IKE/120 RPT=129 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
PHASE 2 COMPLETED (msgid=472c326b)

367 02/07/2002 08:00:22.280 SEV=8 IKEDBG/0 RPT=143 172.18.124.241
RECEIVED Message (msgid=64c59a32) with payloads :
HDR + HASH (8) + NONE (0) ... total length : 48

369 02/07/2002 08:00:22.280 SEV=9 IKEDBG/0 RPT=144 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
processing hash

370 02/07/2002 08:00:22.280 SEV=9 IKEDBG/0 RPT=145 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
loading all IPSEC SAs

371 02/07/2002 08:00:22.280 SEV=9 IKEDBG/1 RPT=29 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Generating Quick Mode Key!

372 02/07/2002 08:00:22.280 SEV=9 IKEDBG/1 RPT=30 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Generating Quick Mode Key!

373 02/07/2002 08:00:22.280 SEV=7 IKEDBG/0 RPT=146 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Loading subnet:
  Dst: 0.0.0.0  mask: 0.0.0.0
  Src: 10.1.1.100

375 02/07/2002 08:00:22.280 SEV=4 IKE/49 RPT=130 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
Security negotiation complete for User (ipsecuser)
Responder, Inbound SPI = 0x5a724185, Outbound SPI = 0x285e6ed0

378 02/07/2002 08:00:22.280 SEV=9 IPSECDBG/6 RPT=5
IPSEC key message parse - msgtype 1, len 624, vers 1, pid 00000000, seq 0, err 0
, type 2, mode 1, state 64, label 0, pad 0, spi 285e6ed0, encrKeyLen 24, hashKey
Len 16, ivlen 8, alg 2, hmacAlg 3, lifetype 0, lifetime1 708648, lifetime2 0, ds
Id 0

382 02/07/2002 08:00:22.280 SEV=9 IPSECDBG/1 RPT=16
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Processing KEY_ADD msg!

383 02/07/2002 08:00:22.280 SEV=9 IPSECDBG/1 RPT=17
key_msghdr2secassoc(): Enter

384 02/07/2002 08:00:22.280 SEV=7 IPSECDBG/1 RPT=18
No USER filter configured

385 02/07/2002 08:00:22.280 SEV=9 IPSECDBG/1 RPT=19
KeyProcessAdd: Enter

386 02/07/2002 08:00:22.280 SEV=8 IPSECDBG/1 RPT=20
KeyProcessAdd: Adding outbound SA

387 02/07/2002 08:00:22.280 SEV=8 IPSECDBG/1 RPT=21
KeyProcessAdd: src 0.0.0.0 mask 255.255.255.255, dst 10.1.1.100 mask 0.0.0.0

388 02/07/2002 08:00:22.280 SEV=8 IPSECDBG/1 RPT=22
KeyProcessAdd: FilterIpsecAddIkeSa success

389 02/07/2002 08:00:22.280 SEV=9 IPSECDBG/6 RPT=6
IPSEC key message parse - msgtype 3, len 336, vers 1, pid 00000000, seq 0, err 0
, type 2, mode 1, state 32, label 0, pad 0, spi 5a724185, encrKeyLen 24, hashKey
Len 16, ivlen 8, alg 2, hmacAlg 3, lifetype 0, lifetime1 708648, lifetime2 0, ds
Id 0

393 02/07/2002 08:00:22.280 SEV=9 IPSECDBG/1 RPT=23
Processing KEY_UPDATE msg!

394 02/07/2002 08:00:22.280 SEV=9 IPSECDBG/1 RPT=24
Update inbound SA addresses

395 02/07/2002 08:00:22.280 SEV=9 IPSECDBG/1 RPT=25
key_msghdr2secassoc(): Enter

396 02/07/2002 08:00:22.280 SEV=7 IPSECDBG/1 RPT=26
No USER filter configured

397 02/07/2002 08:00:22.280 SEV=9 IPSECDBG/1 RPT=27
KeyProcessUpdate: Enter

398 02/07/2002 08:00:22.280 SEV=8 IPSECDBG/1 RPT=28
KeyProcessUpdate: success

399 02/07/2002 08:00:22.280 SEV=8 IKEDBG/7 RPT=2
IKE got a KEY_ADD msg for SA: SPI = 0x285e6ed0

400 02/07/2002 08:00:22.280 SEV=8 IKEDBG/0 RPT=147
pitcher: rcv KEY_UPDATE, spi 0x5a724185

401 02/07/2002 08:00:22.280 SEV=4 IKE/120 RPT=130 172.18.124.241
Group [ipsecgroup] User [ipsecuser]
PHASE 2 COMPLETED (msgid=64c59a32)
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相關資訊

- Cisco VPN 3000系列集中器支援頁面
- Cisco VPN 3000系列使用者端支援頁面
- IPSec 協商/IKE 通訊協定
- 技術支援與文件 - Cisco Systems