# Konfigurationsbeispiel für eine Konfiguration des VPN Concentrator der Serie 300 mit IPSec mit VPN-Client (statische/dynamische zugewiesene IP-Adresse)

## Inhalt

## Einführung

Diese Beispielkonfiguration veranschaulicht, wie ein IPsec-Tunnel von einem PC, auf dem der Cisco VPN Client (4.x und höher) (statische/dynamische zugewiesene IP-Adresse) ausgeführt wird, zu einem Cisco VPN 3000 Concentrator erstellt wird, um dem Benutzer den sicheren Zugriff auf das Netzwerk im VPN Concentrator zu ermöglichen.

Unter Verwendung von Cisco Secure ACS für Windows mit dem VPN 3000 Concentrator - IPSec erfahren Sie mehr über dasselbe Szenario mit RADIUS-Authentifizierung mit Cisco ACS. Unter Konfigurieren des Cisco VPN 3000 Concentrator mit MS RADIUS finden Sie weitere Informationen zu diesem Szenario mit MS-RADIUS-Authentifizierung.

## Voraussetzungen

### Anforderungen

Für dieses Dokument bestehen keine speziellen Anforderungen.

## Verwendete Komponenten

Die Informationen in diesem Dokument basieren auf den folgenden Software- und Hardwareversionen:

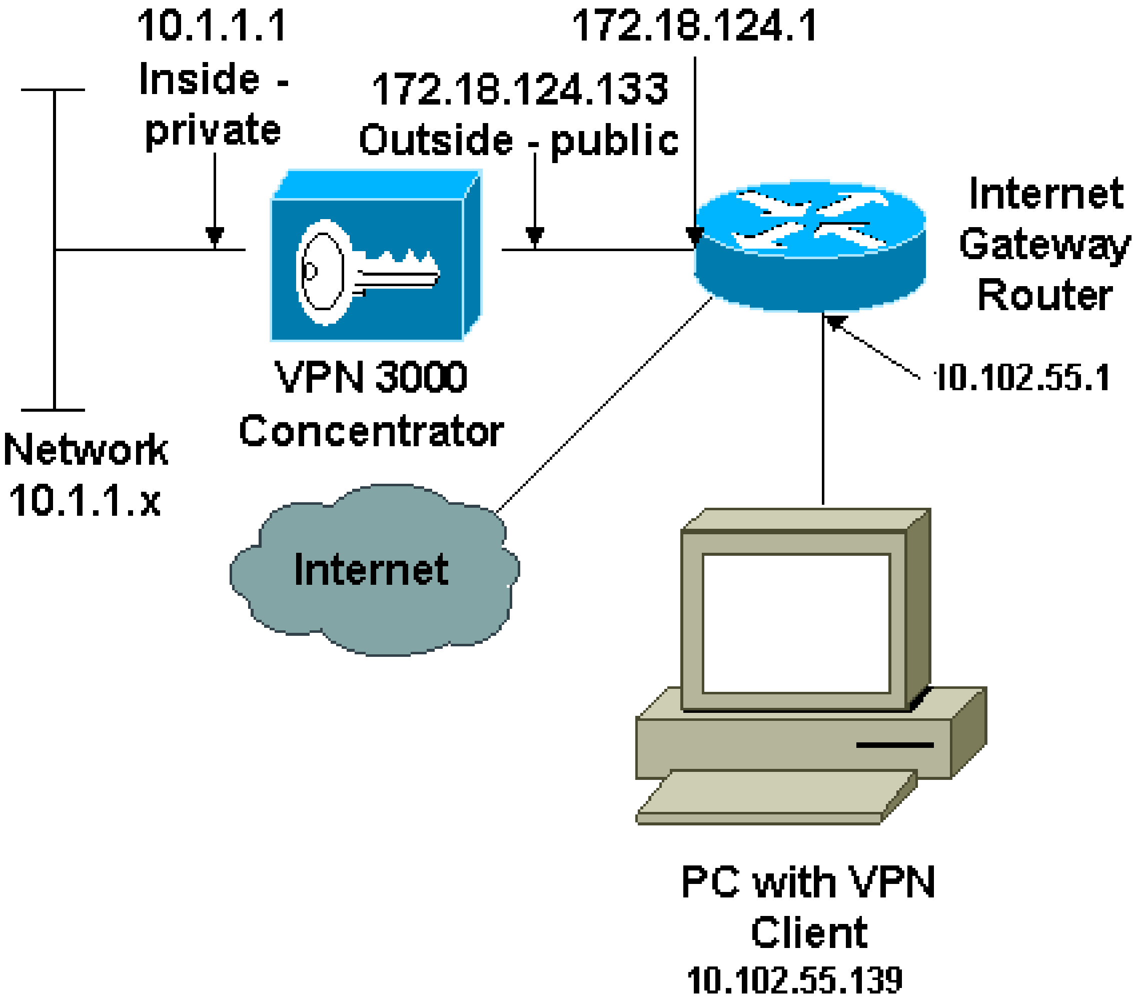
- Cisco VPN 3030 Concentrator Version 4.1.7.A
- Cisco VPN Client Version 4.x oder höher

**Hinweis:** Diese Konfiguration wurde kürzlich mit Cisco VPN Concentrator Version 4.7.2.H erneut getestet.

Die Informationen in diesem Dokument wurden von den Geräten in einer bestimmten Laborumgebung erstellt. Alle in diesem Dokument verwendeten Geräte haben mit einer leeren (Standard-)Konfiguration begonnen. Wenn Ihr Netzwerk in Betrieb ist, stellen Sie sicher, dass Sie die potenziellen Auswirkungen eines Befehls verstehen.

## Netzwerkdiagramm

In diesem Dokument wird die folgende Netzwerkeinrichtung verwendet:



**Hinweis:** Die in dieser Konfiguration verwendeten IP-Adressierungsschemata sind im Internet nicht rechtlich routbar. Es handelt sich um RFC 1918-Adressen, die in einer Laborumgebung verwendet wurden.

## Konventionen

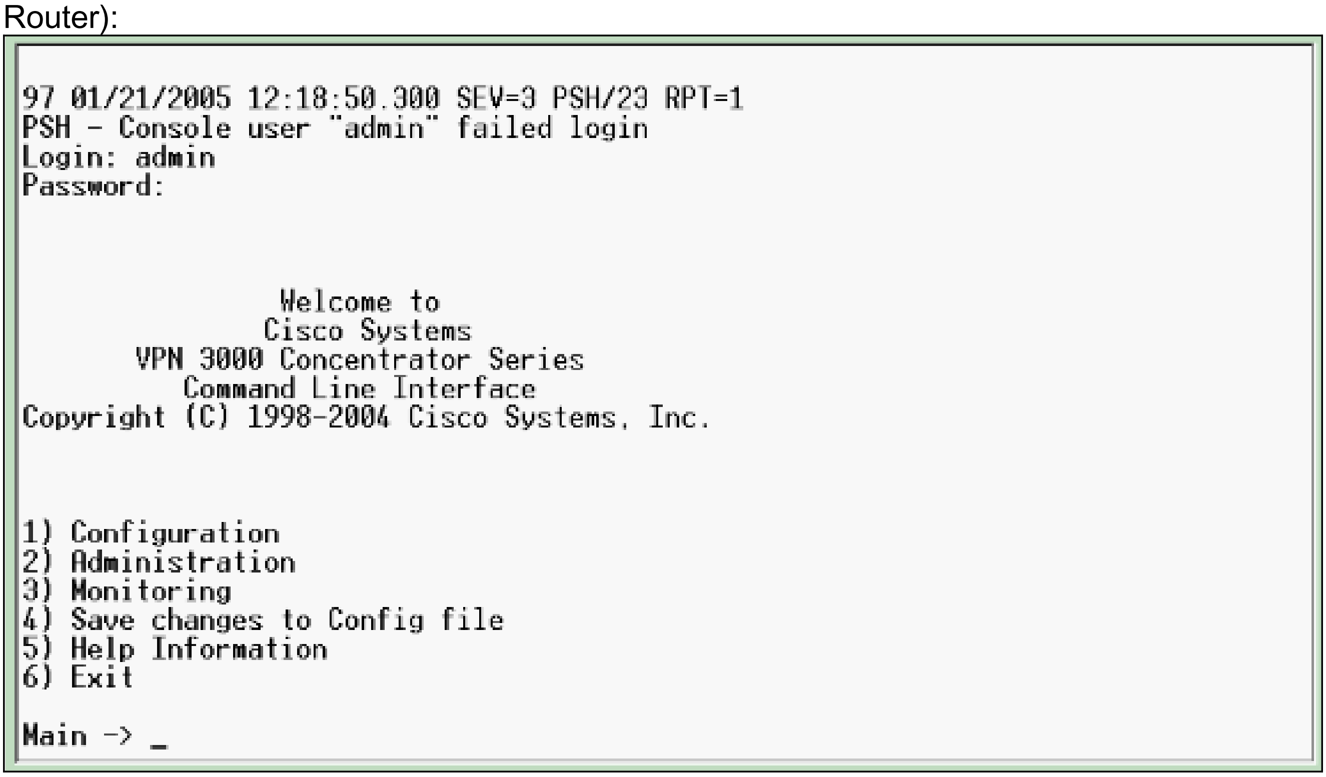
Weitere Informationen zu Dokumentkonventionen finden Sie in den Cisco Technical Tips Conventions (Technische Tipps zu Konventionen von Cisco).

# Konfigurieren des VPN 3000-Konzentrators

Führen Sie diese Schritte aus, um den VPN 3000-Konzentrator zu konfigurieren.

**Hinweis:** Aufgrund von Platzbeschränkungen zeigen einige Screenshots nur Teilbildschirme an.

1. Stellen Sie eine Verbindung zum Konsolenport des VPN Concentrator her, und überprüfen Sie, ob den privaten (internen) und öffentlichen (externen) Schnittstellen IP-Adressen zugewiesen sind.Überprüfen Sie außerdem, ob ein Standard-Gateway zugewiesen ist, damit der VPN Concentrator die Pakete für die nicht bekannten Ziele an das Standard-Gateway weiterleiten kann (normalerweise den Internet Gateway Router):



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

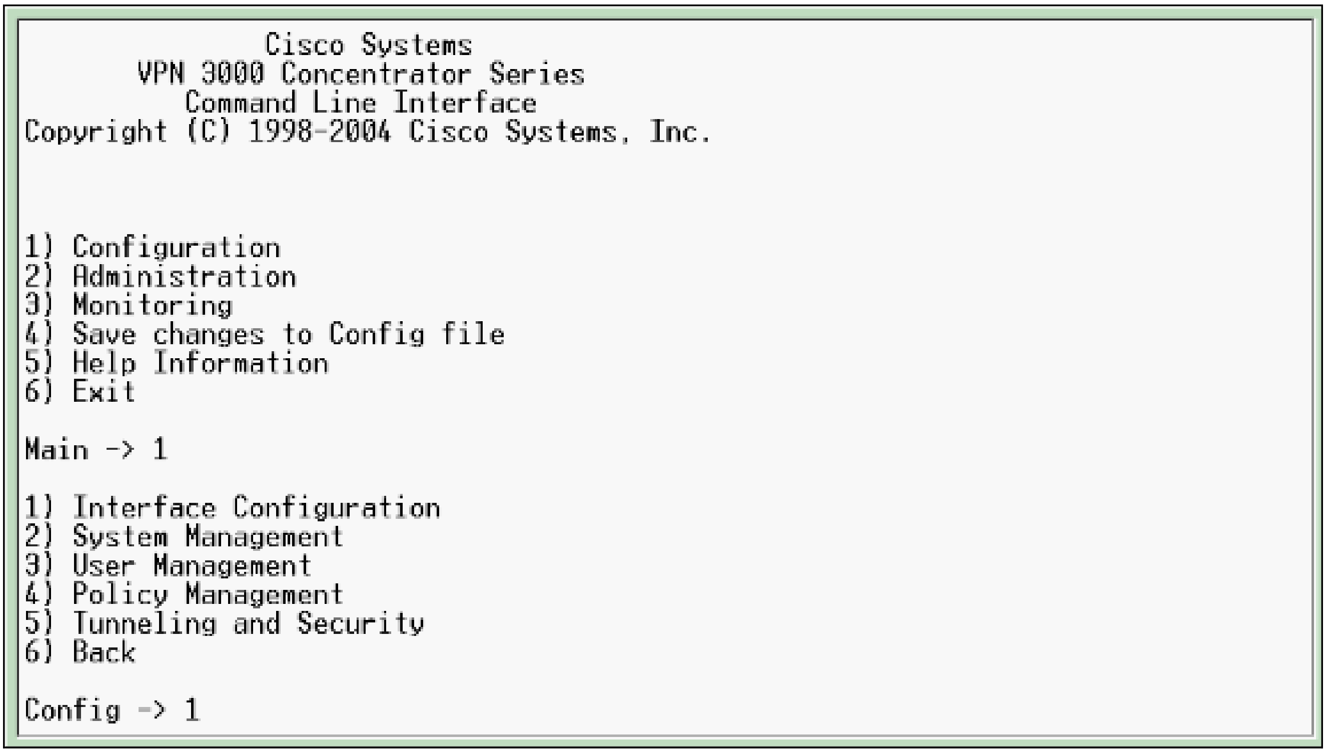


                Welcome to
               Cisco Systems
       VPN 3000 Concentrator Series
          Command Line Interface
Copyright (C) 1998-2004 Cisco Systems, Inc.



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.



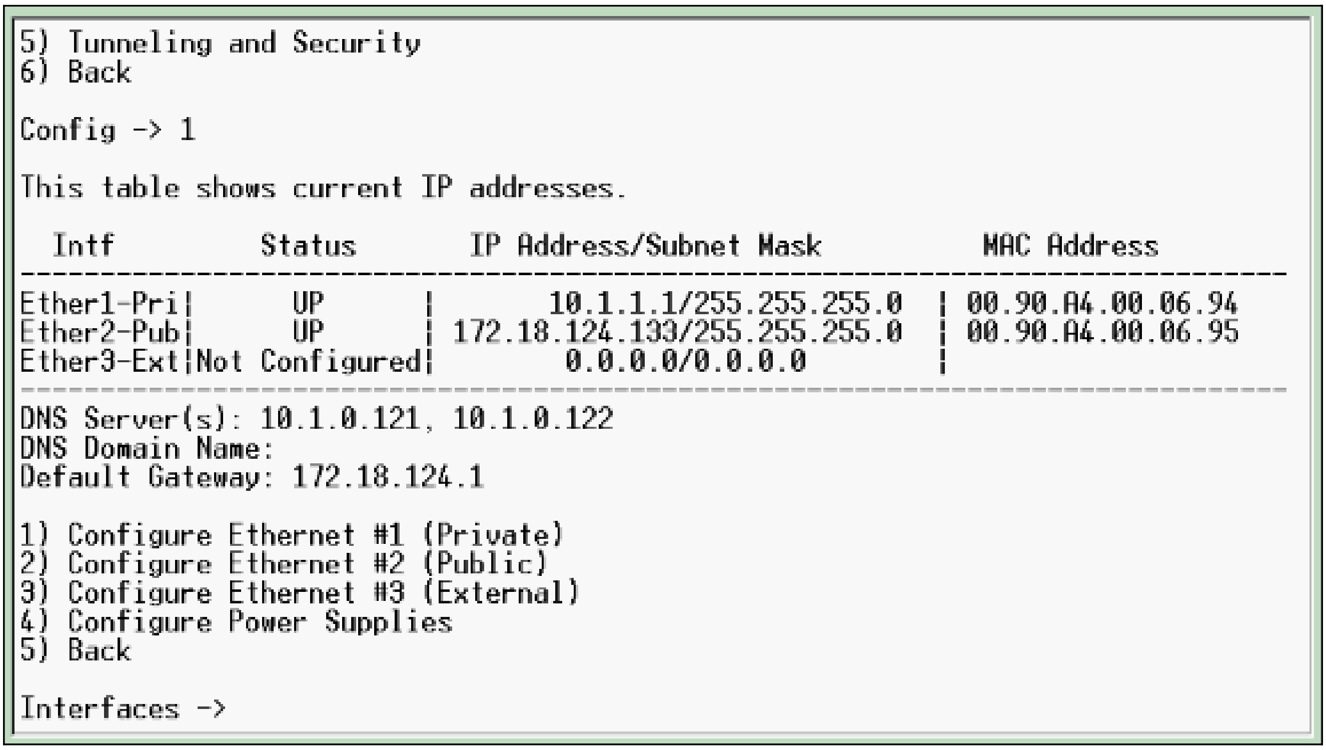
1) Configuration
2) Administration
3) Monitoring
4) Save changes to Config file
5) Help Information
6) Exit

Main -> 1

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

Config -> 1
```

Diese Tabelle zeigt die aktuellen IP-Adressen.



```
5) Tunneling and Security
6) Back

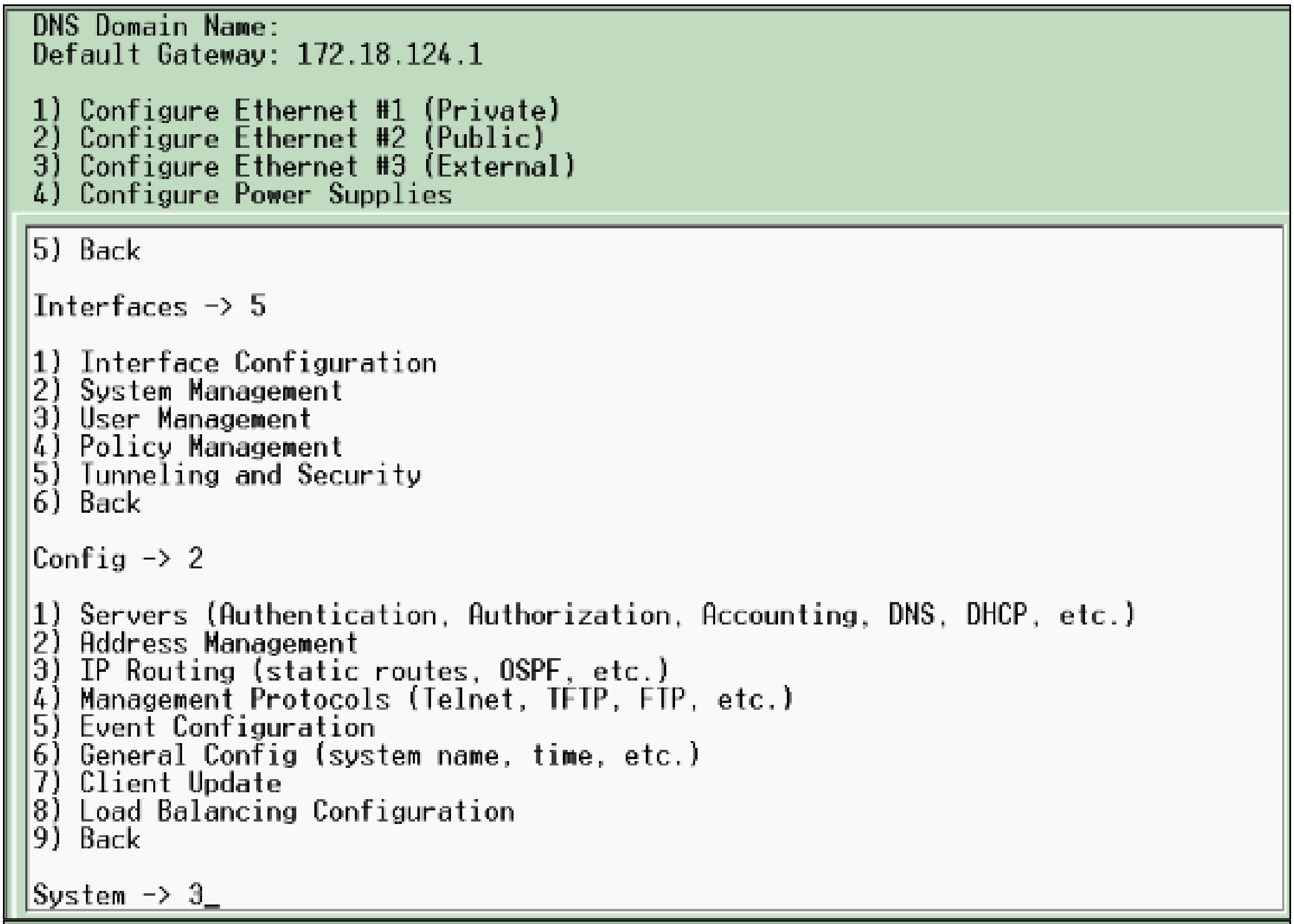
Config -> 1

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

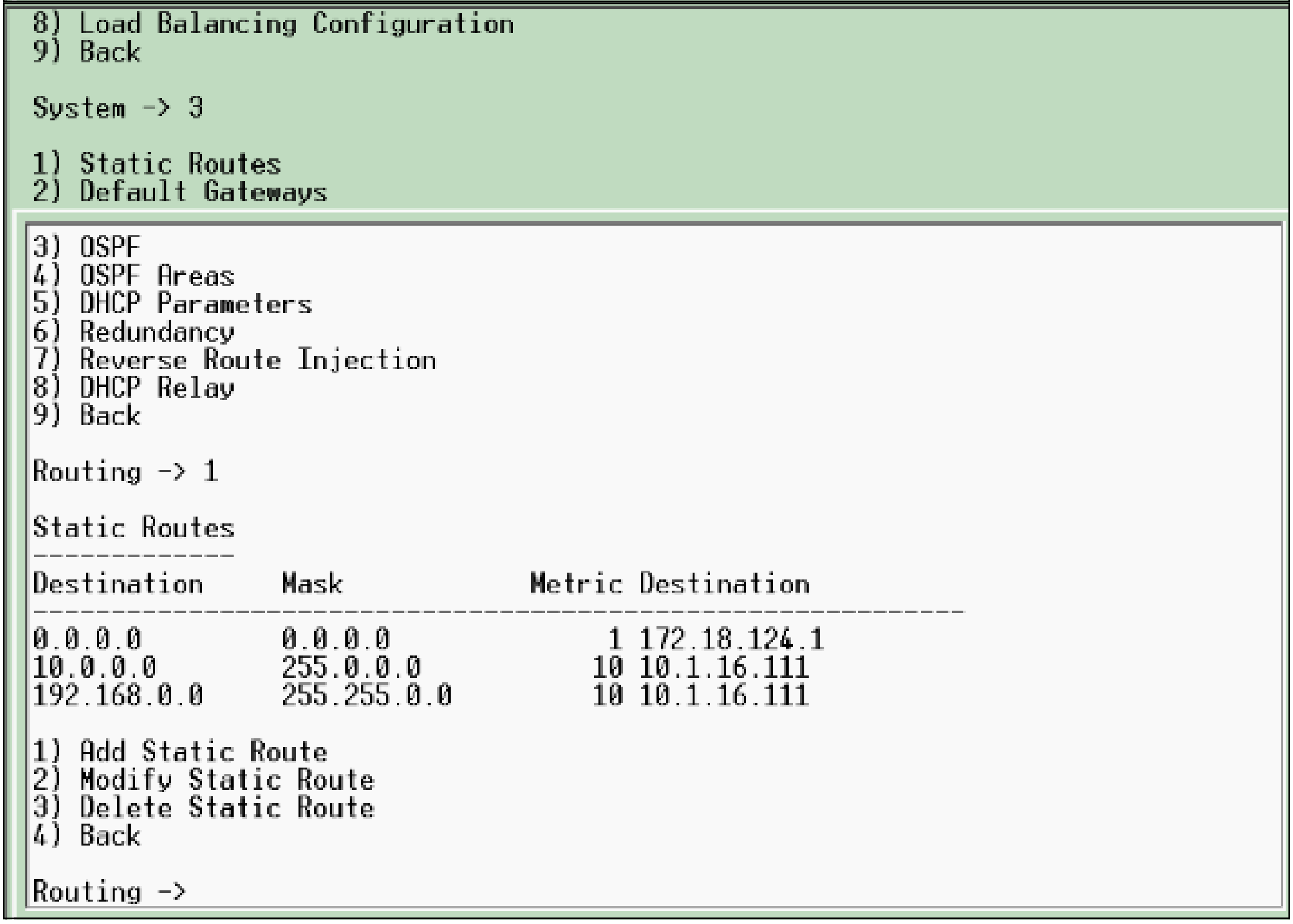
Interfaces -> 5

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

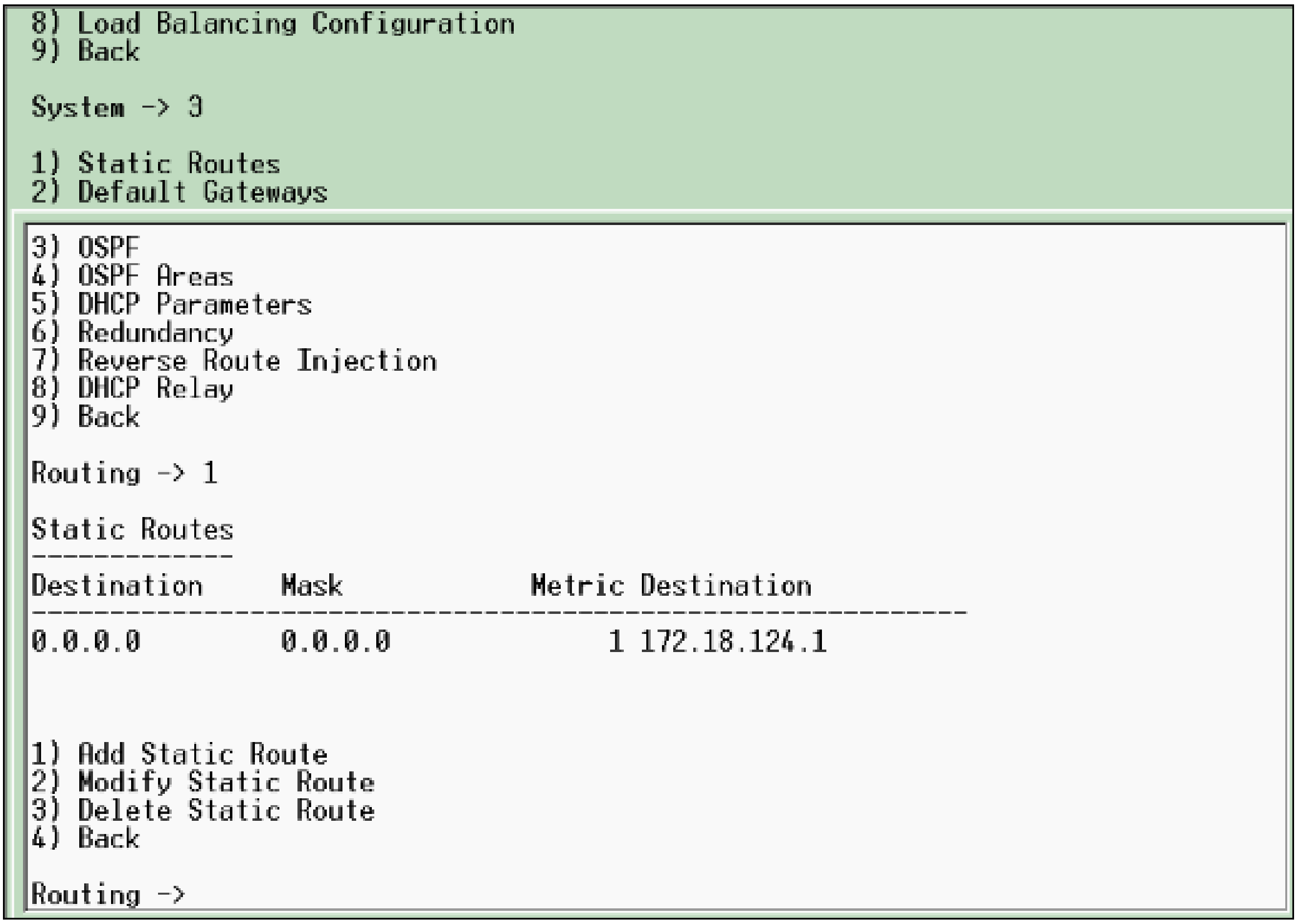
1) Static Routes
2) Default Gateways
3) OSPF
4) OSPF Areas
5) DHCP Parameters
6) Redundancy
7) Reverse Route Injection
8) DHCP Relay
9) Back

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

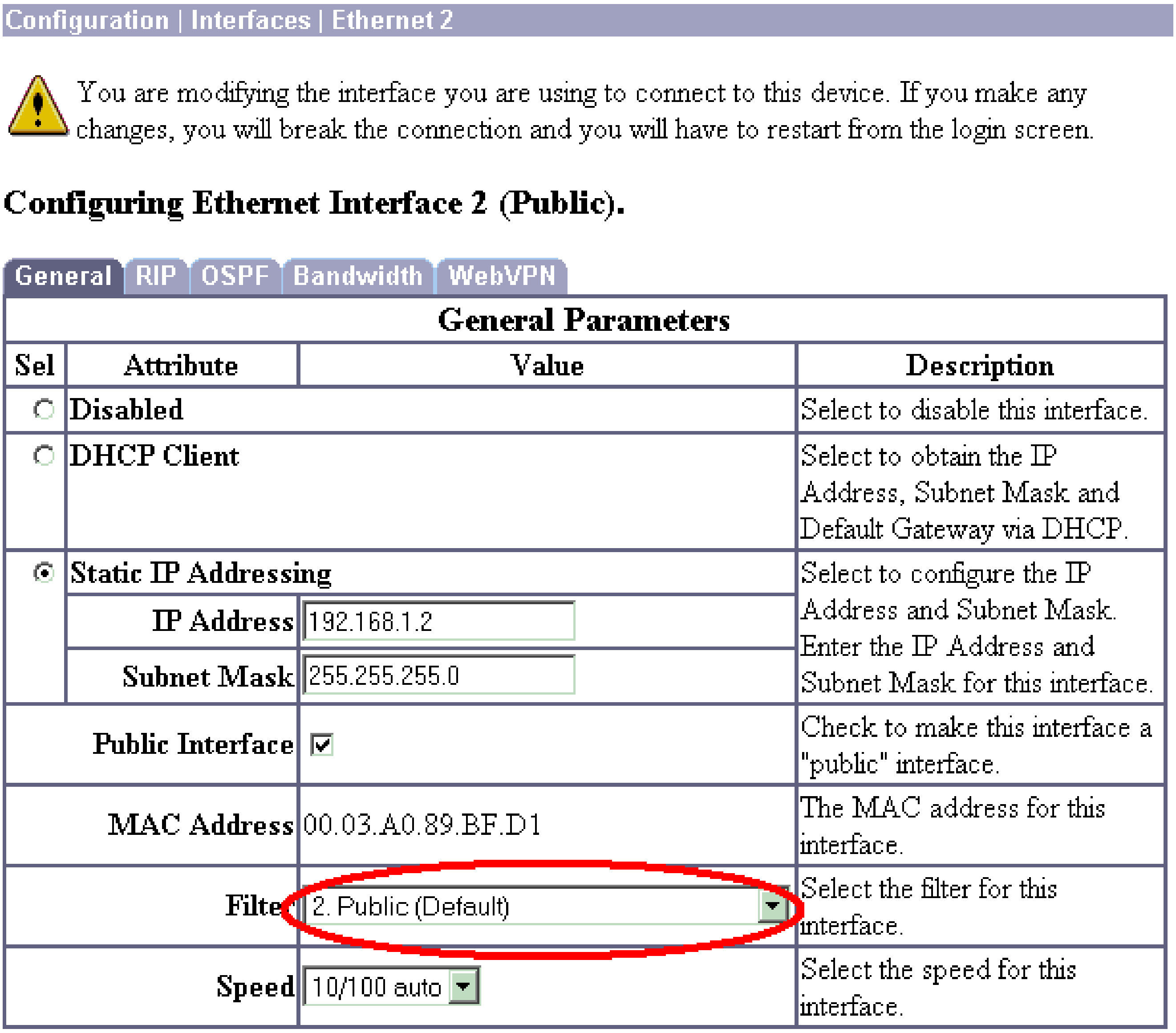
Static Routes
-------------
Destination     Mask            Metric Destination
------------------------------------------------------------
0.0.0.0         0.0.0.0              1 172.18.124.1



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

Routing ->
```

2. Stellen Sie sicher, dass Sie die **öffentliche** Filteroption für die öffentliche Schnittstelle auswählen.



Configuration | Interfaces | Ethernet 2

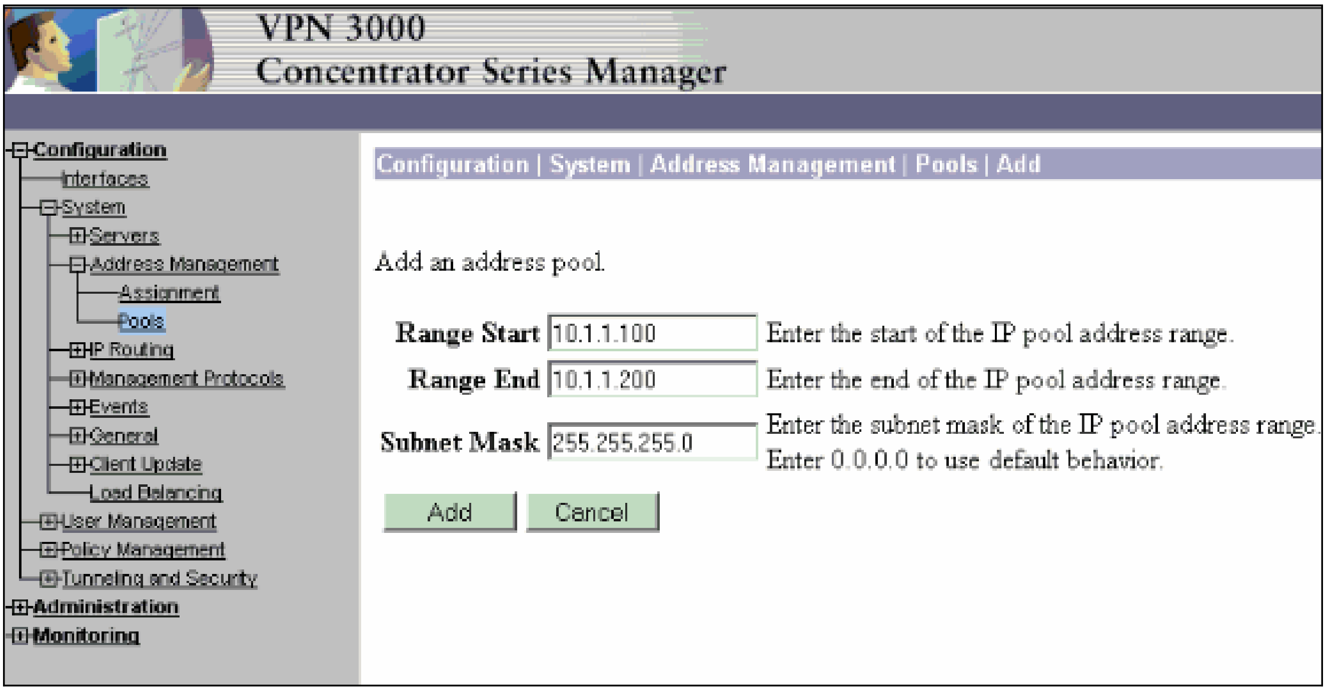
You are modifying the interface you are using to connect to this device. If you make any changes, you will break the connection and you will have to restart from the login screen.

**Configuring Ethernet Interface 2 (Public).**

**General 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. |

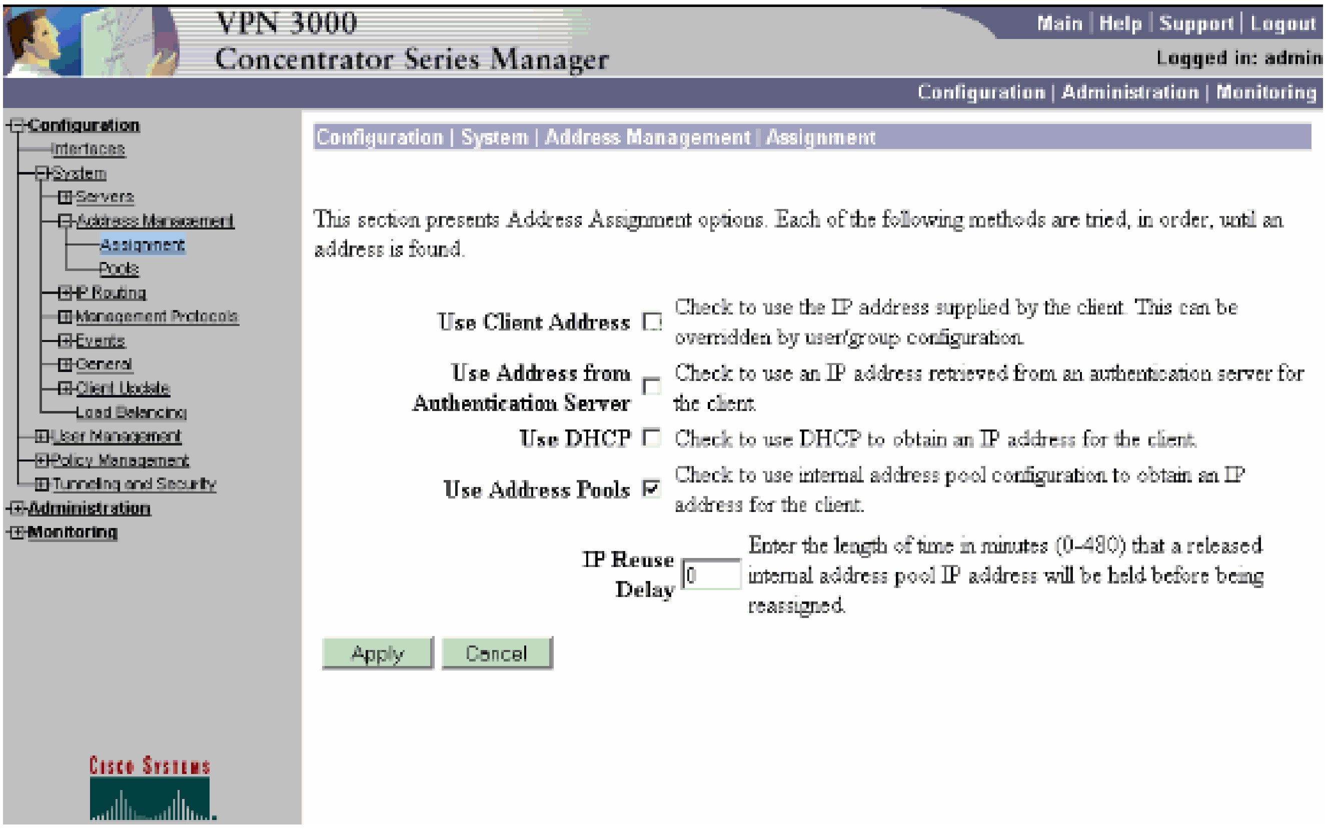
3. Zeigen Sie einen Browser auf die interne Schnittstelle des VPN Concentrator, und wählen Sie **Configuration** > **System** > **Address Management** > **Address Pools** > **Add aus, um einen verfügbaren Bereich von IP-Adressen zuzuweisen.**Geben Sie einen Bereich von IP-Adressen an, die nicht mit anderen Geräten im internen Netzwerk in Konflikt stehen:**Hinweis:** Diese Screenshots zeigen die Verwaltung von externen öffentlichen Schnittstellen an, da Filter hinzugefügt wurden, um dies nur in Laboreinstellungen zu ermöglichen.



Add an address pool.

| | | |
|---|---|---|
| **Range Start** | 10.1.1.100 | Enter the start of the IP pool address range. |
| **Range End** | 10.1.1.200 | Enter the end of the IP pool address range. |
| **Subnet Mask** | 255.255.255.0 | Enter the subnet mask of the IP pool address range. Enter 0.0.0.0 to use default behavior. |

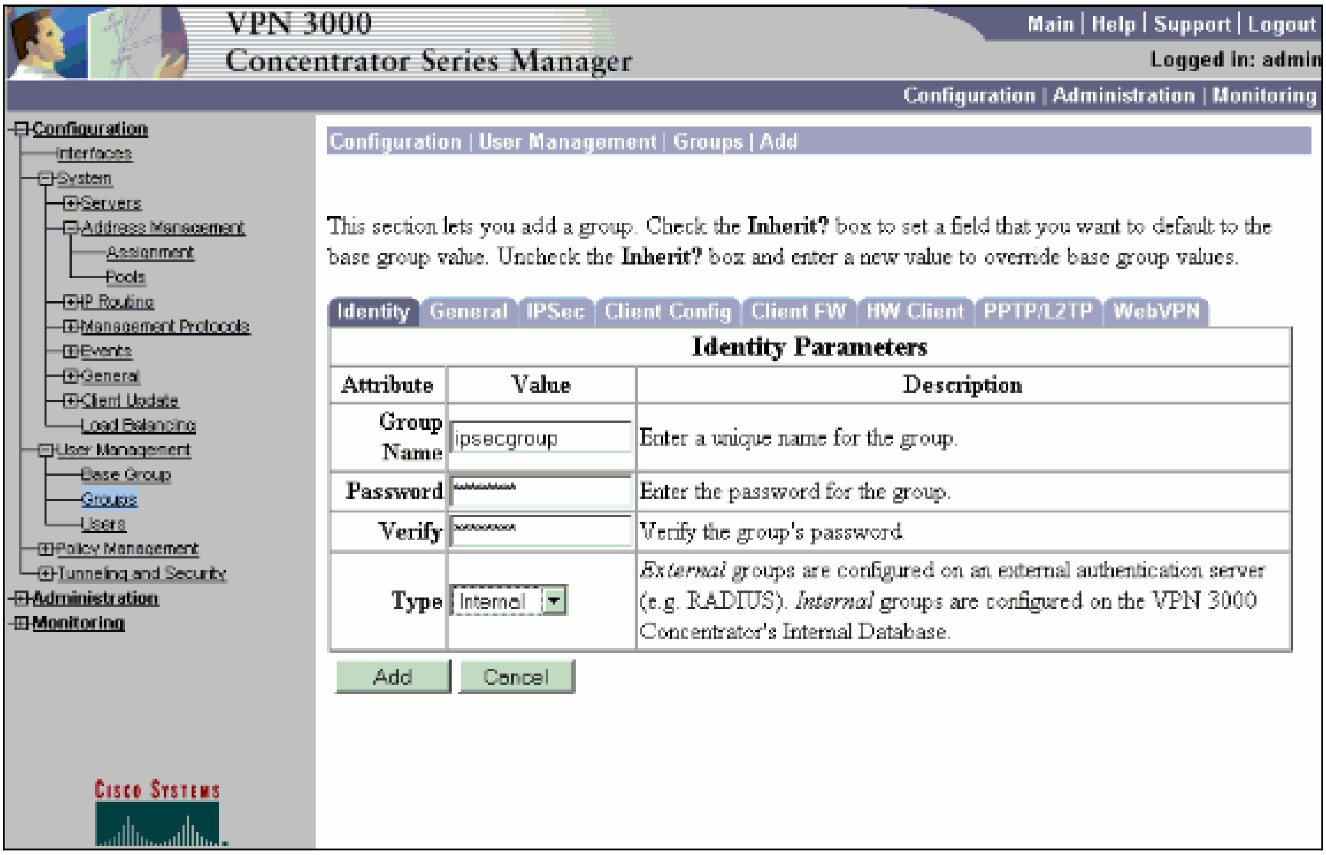
4. Wählen Sie **Configuration** > **System** > **Address Management** > **Assignment (Konfiguration** > **System** > **Adressenverwaltung** > **Zuweisung**), aktivieren Sie das **Kontrollkästchen "Adresse-Pools verwenden", und klicken Sie auf Apply (Übernehmen), um dem VPN-Concentrator die Verwendung des Pools mitzuteilen.**



This section presents Address Assignment options. Each of the following methods are tried, in order, until an address is found.

| | | |
|---|---|---|
| **Use Client Address** | □ | Check to use the IP address supplied by the client. This can be overridden by user/group configuration. |
| **Use Address from Authentication Server** | □ | Check to use an IP address retrieved from an authentication server for the client. |
| **Use DHCP** | □ | Check to use DHCP to obtain an IP address for the client. |
| **Use Address Pools** | ☑ | Check to use internal address pool configuration to obtain an IP address for the client. |
| **IP Reuse Delay** | 0 | Enter the length of time in minutes (0-480) that a released internal address pool IP address will be held before being reassigned. |

5. Wählen Sie **Configuration** > **User Management** > **Groups** > **Add Group**, um eine IPsec-Gruppe für die Benutzer zu konfigurieren und einen Gruppennamen und ein Kennwort festzulegen.In diesem Beispiel wird group="ipsecgroup" mit password/verify="cisco123" verwendet:



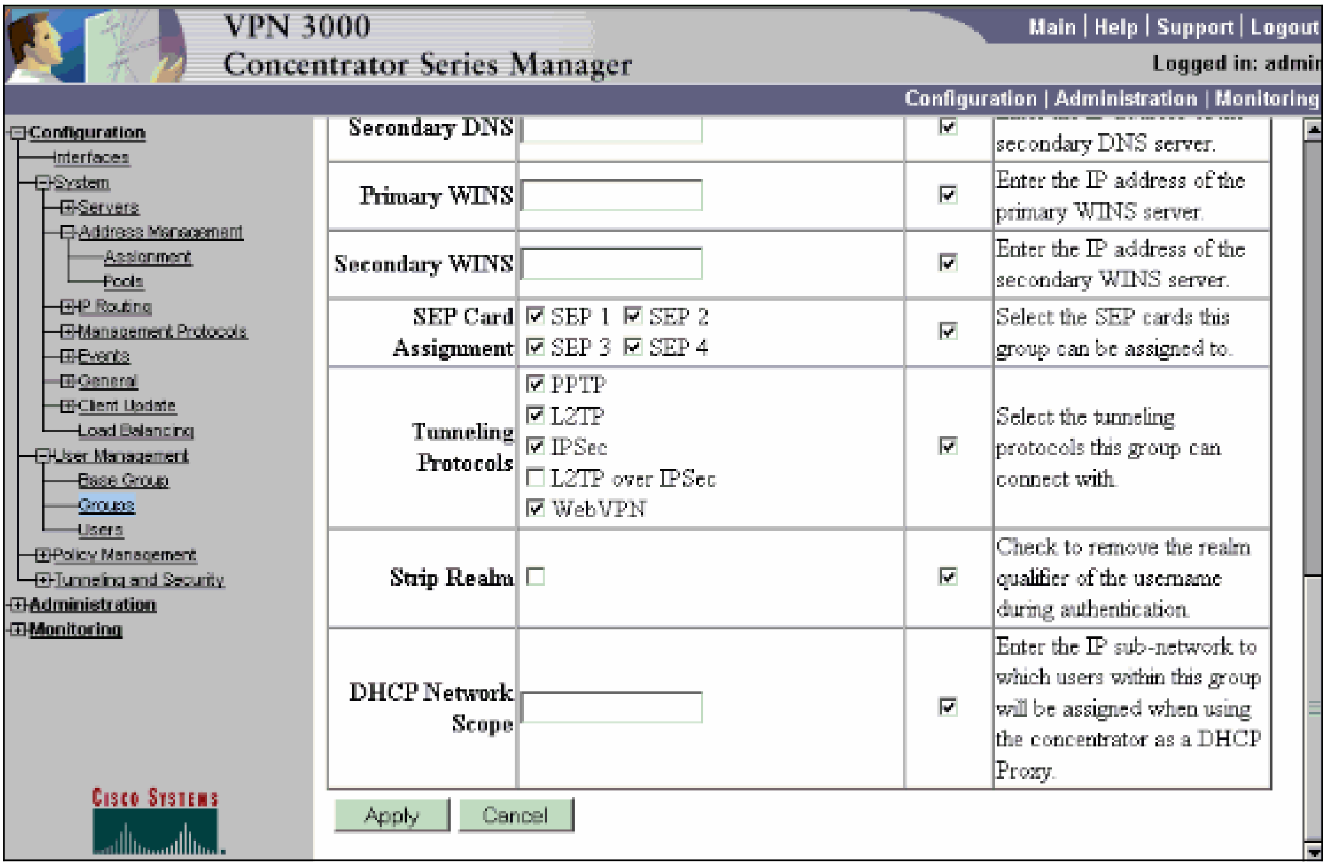
Configuration | User Management | Groups | Add

This section lets you add a group. 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**

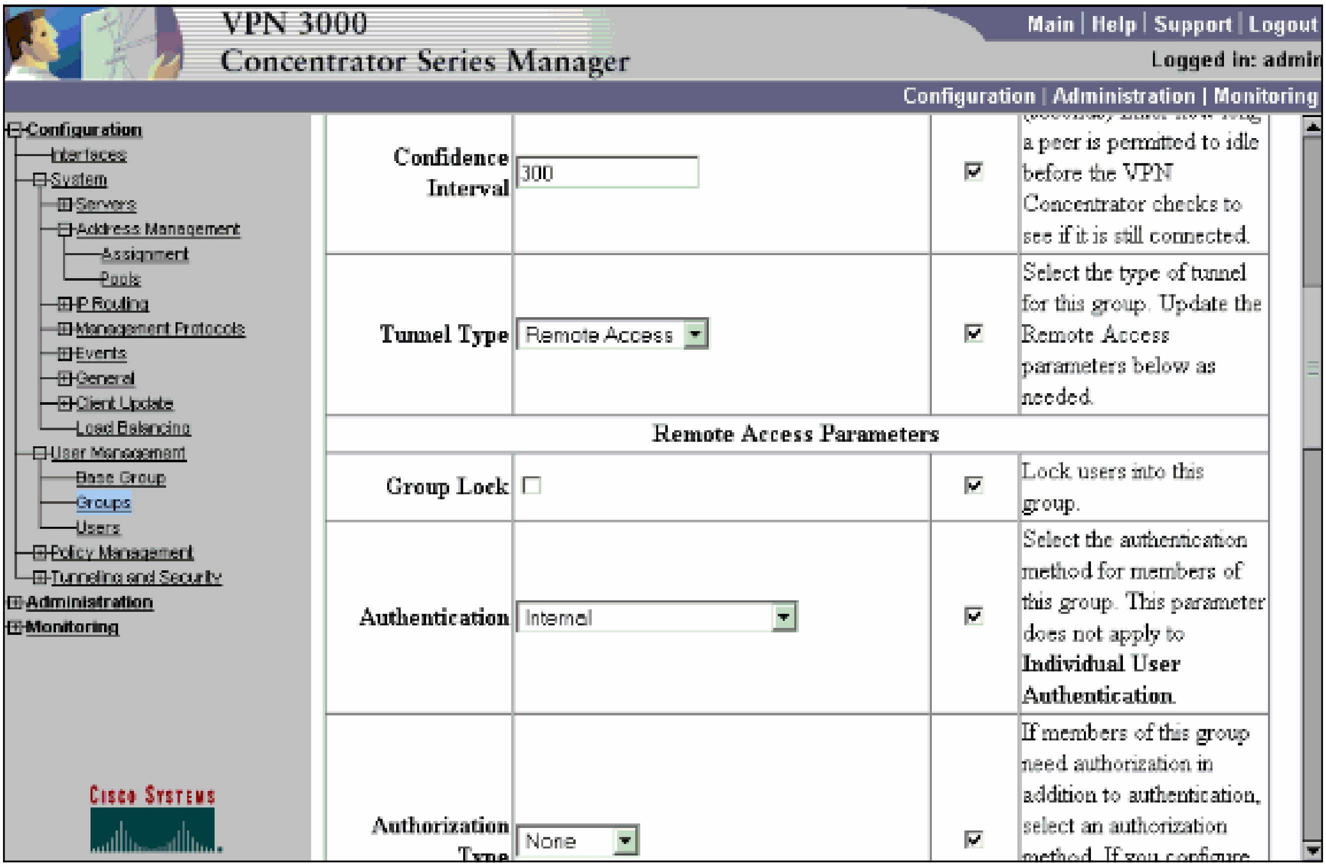
| Attribute | Value | Description |
|---|---|---|
| Group Name | ipsecgroup | Enter a unique name for the group. |
| Password | ******** | Enter the password for the group. |
| Verify | ******** | Verify the group's password. |
| Type | Internal | *External* groups are configured on an external authentication server (e.g. RADIUS). *Internal* groups are configured on the VPN 3000 Concentrator's Internal Database. |

6. Überprüfen Sie auf der Registerkarte Allgemein der Gruppe, ob **IPSec** ausgewählt ist.



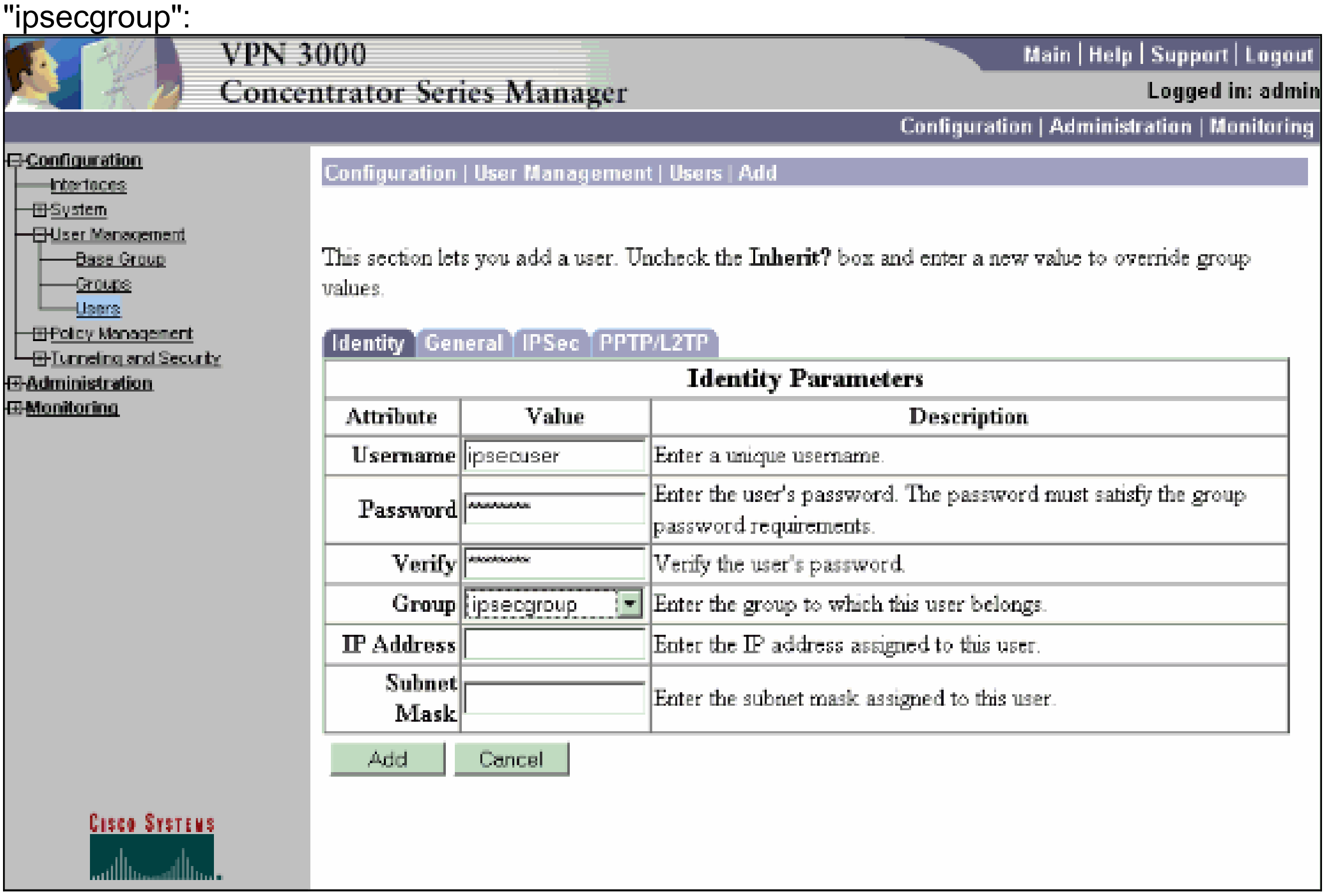
| | | | |
|---|---|---|---|
| Secondary DNS | | ☑ | secondary DNS server. |
| Primary WINS | | ☑ | Enter the IP address of the primary WINS server. |
| Secondary WINS | | ☑ | Enter the IP address of the secondary WINS server. |
| SEP Card Assignment | ☑ SEP 1 ☑ SEP 2<br>☑ SEP 3 ☑ SEP 4 | ☑ | Select the SEP cards this group can be assigned to. |
| Tunneling Protocols | ☑ PPTP<br>☑ L2TP<br>☑ IPSec<br>☐ L2TP over IPSec<br>☑ WebVPN | ☑ | Select the tunneling protocols this group can connect with. |
| Strip Realm | ☐ | ☑ | Check to remove the realm qualifier of the username during authentication. |
| DHCP Network Scope | | ☑ | Enter the IP sub-network to which users within this group will be assigned when using the concentrator as a DHCP Proxy. |

7. Überprüfen Sie auf der Registerkarte IPSec der Gruppe, ob die Authentifizierung auf **Internal (Intern)** eingestellt ist. Wählen Sie **Konfiguration > Benutzerverwaltung > Gruppen > Gruppe ändern**, und wählen Sie dazu aus der Option Aktuelle Gruppen die Option ipsecgroup aus.



| | | | |
|---|---|---|---|
| Confidence Interval | 300 | ☑ | a peer is permitted to idle before the VPN Concentrator checks to see if it is still connected. |
| Tunnel Type | Remote Access | ☑ | Select the type of tunnel for this group. Update the Remote Access parameters below as needed. |
| Remote Access Parameters | | | |
| Group Lock | ☐ | ☑ | Lock users into this group. |
| Authentication | Internal | ☑ | Select the authentication method for members of this group. This parameter does not apply to **Individual User Authentication**. |
| Authorization Type | None | ☑ | If members of this group need authorization in addition to authentication, select an authorization method. If you configure |

8. Wählen Sie **Configuration** > **User Management** > **Users** > **Add** aus, und fügen Sie der zuvor definierten Gruppe einen Benutzer hinzu.In diesem Beispiel ist der Benutzer "ipsecuser" mit dem Kennwort "xyz12345" in der Gruppe "ipsecgroup":



Configuration | User Management | Users | Add

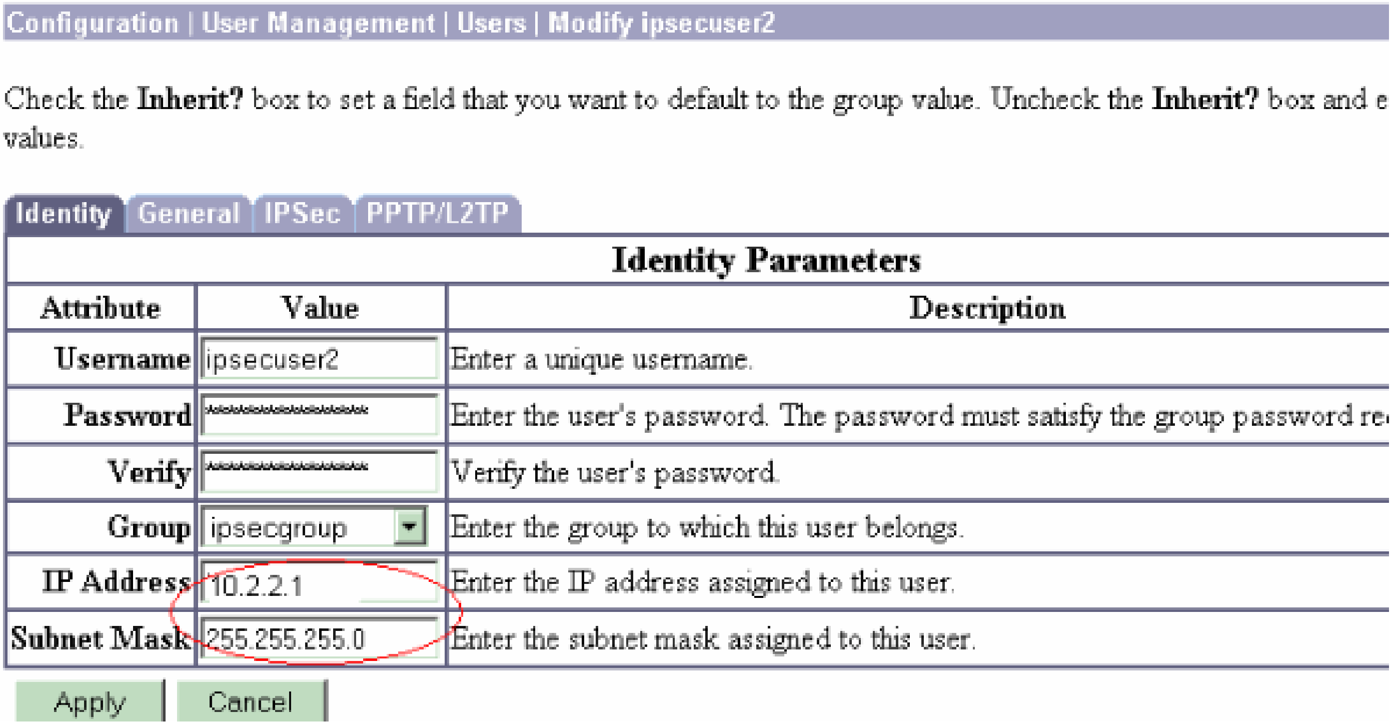
This section lets you add a user. Uncheck the **Inherit?** box and enter a new value to override group values.

**Identity Parameters**

| Attribute | Value | Description |
|---|---|---|
| Username | ipsecuser | Enter a unique username. |
| Password | ******** | Enter the user's password. The password must satisfy the group password requirements. |
| Verify | ******** | Verify the user's password. |
| Group | ipsecgroup | Enter the group to which this user belongs. |
| IP Address | | Enter the IP address assigned to this user. |
| Subnet Mask | | Enter the subnet mask assigned to this user. |

## Zuweisen einer statischen IP-Adresse zu einem Benutzer

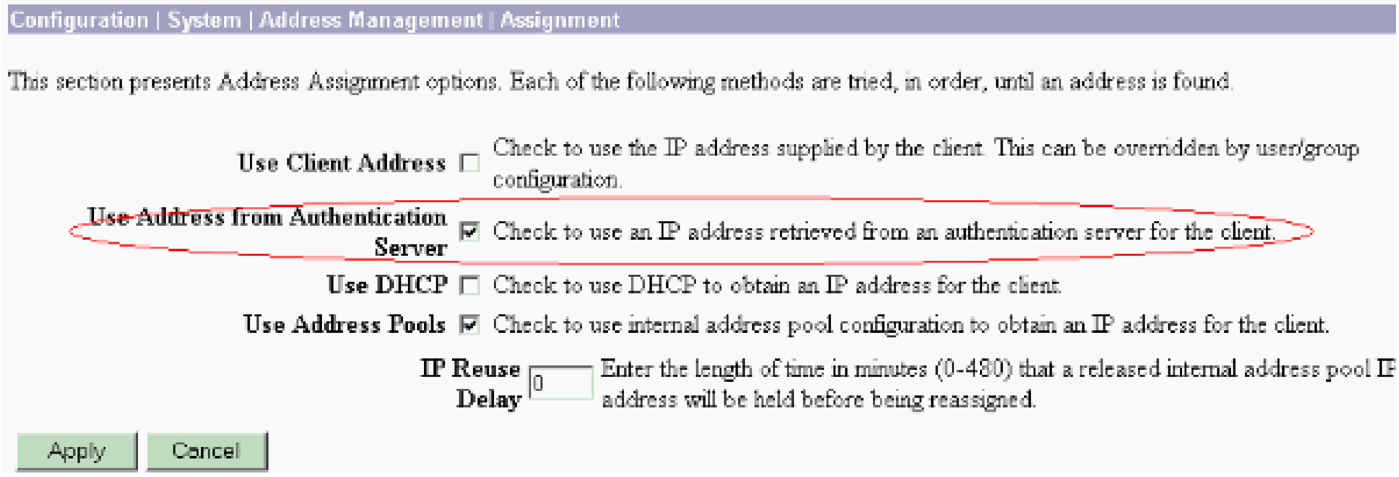
Um dem Remote-VPN-Benutzer bei jeder Verbindung mit dem VPN-Konzentrator der Serie 3000 eine statische IP-Adresse zuzuweisen, wählen Sie **Configuration > User Management > Users > Modify ipsecuser2 > identity aus**. In dieser Konfiguration für den Benutzer (ipsecuser2) wird die statische IP-Adresse 10.2.2.1/24 jedes Mal zugewiesen, wenn der Benutzer eine Verbindung herstellt.



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

| Identity Parameters | | |
|---|---|---|
| **Attribute** | **Value** | **Description** |
| **Username** | ipsecuser2 | Enter a unique username. |
| **Password** | ************** | Enter the user's password. The password must satisfy the group password re |
| **Verify** | ************** | Verify the user's password. |
| **Group** | ipsecgroup | Enter the group to which this user belongs. |
| **IP Address** | 10.2.2.1 | Enter the IP address assigned to this user. |
| **Subnet Mask** | 255.255.255.0 | Enter the subnet mask assigned to this user. |

**Hinweis:** Gehen Sie zu **Configuration > System > Address Management > Assignment (Konfiguration > System > Adressenverwaltung > Zuweisung)**, um sicherzustellen, dass der VPN-Concentrator die zugewiesene IP-Adresse bereitstellt. Aktivieren Sie **Adresse vom Authentifizierungsserver verwenden**, um auf Benutzerbasis IP-Adressen zuzuweisen, die von einem Authentifizierungsserver abgerufen wurden. Die IP-Adresse und die Subnetzmaske, die im Fenster **Benutzerverwaltung > Benutzer > Hinzufügen oder Ändern** auf der Registerkarte Identitätsparameter eingegeben wird, gelten als Teil des internen Authentifizierungsservers.



This section presents Address Assignment options. Each of the following methods are tried, in order, until an address is found.

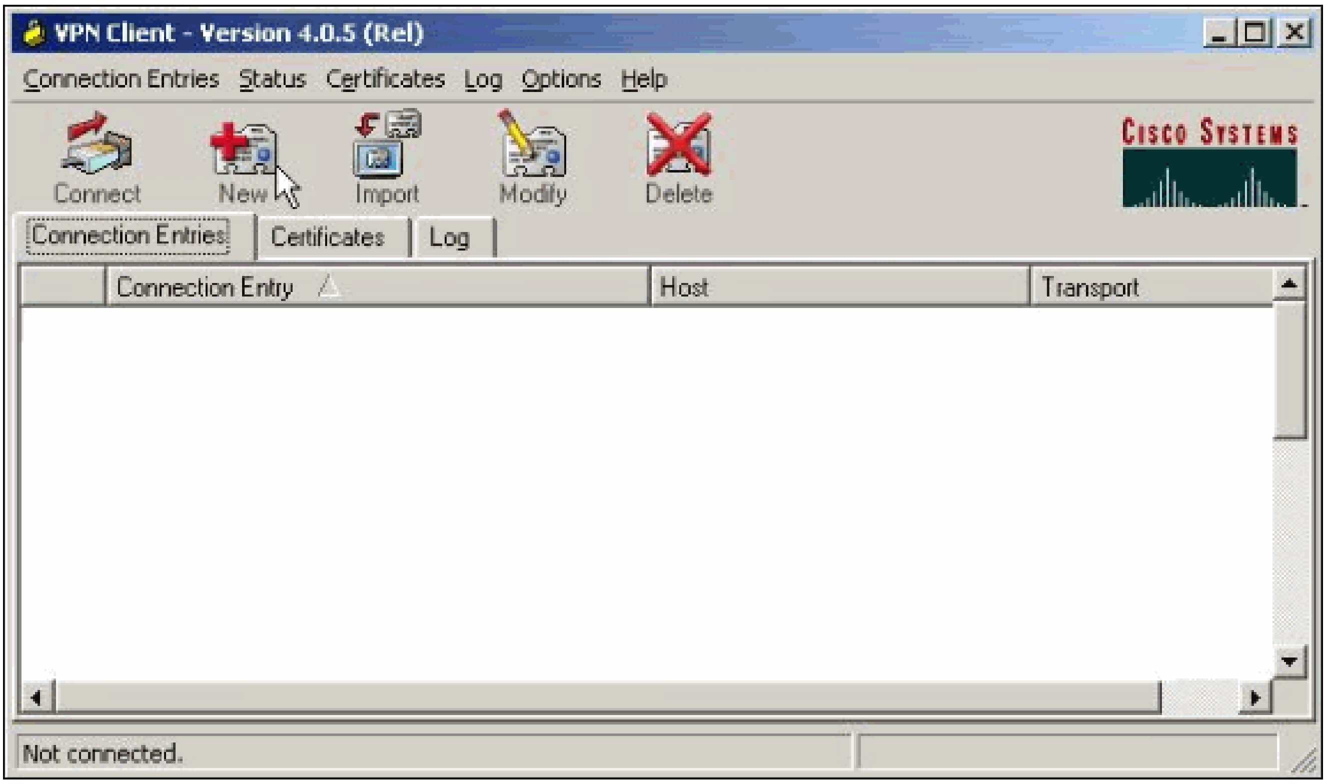
| | | |
|---|---|---|
| **Use Client Address** | ☐ | Check to use the IP address supplied by the client. This can be overridden by user/group configuration. |
| **Use Address from Authentication Server** | ☑ | Check to use an IP address retrieved from an authentication server for the client. |
| **Use DHCP** | ☐ | Check to use DHCP to obtain an IP address for the client. |
| **Use Address Pools** | ☑ | Check to use internal address pool configuration to obtain an IP address for the client. |
| **IP Reuse Delay** | 0 | Enter the length of time in minutes (0-480) that a released internal address pool IP address will be held before being reassigned. |

## Konfigurieren des VPN-Clients

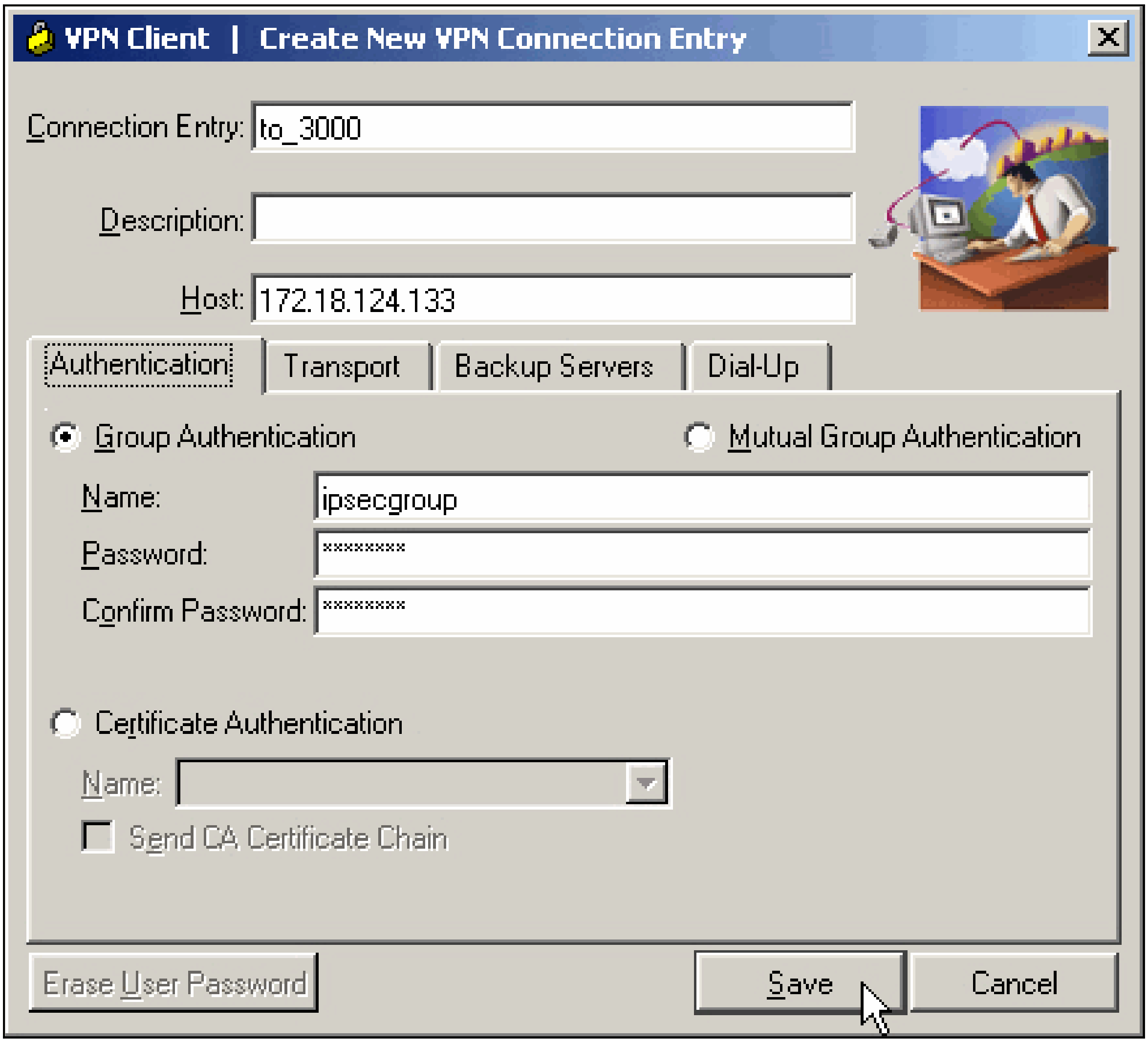
Führen Sie diese Schritte aus, um den VPN-Client zu konfigurieren.

1. Klicken Sie auf **Neu**, um einen neuen Verbindungseintrag zu

erstellen.



2. Benennen Sie die Verbindung, geben Sie die IP-Adresse der öffentlichen Schnittstelle des VPN Concentrator ein, und geben Sie die Anmeldeinformationen der Gruppe an. In diesem Fall lautet der Name **ipsecgroup** und das Kennwort **cisco123**. Klicken Sie abschließend auf **Speichern**.



VPN Client | Create New VPN Connection Entry

Connection Entry: to_3000

Description:

Host: 172.18.124.133

● Group Authentication ○ Mutual Group Authentication

Name: ipsecgroup

Password: ********

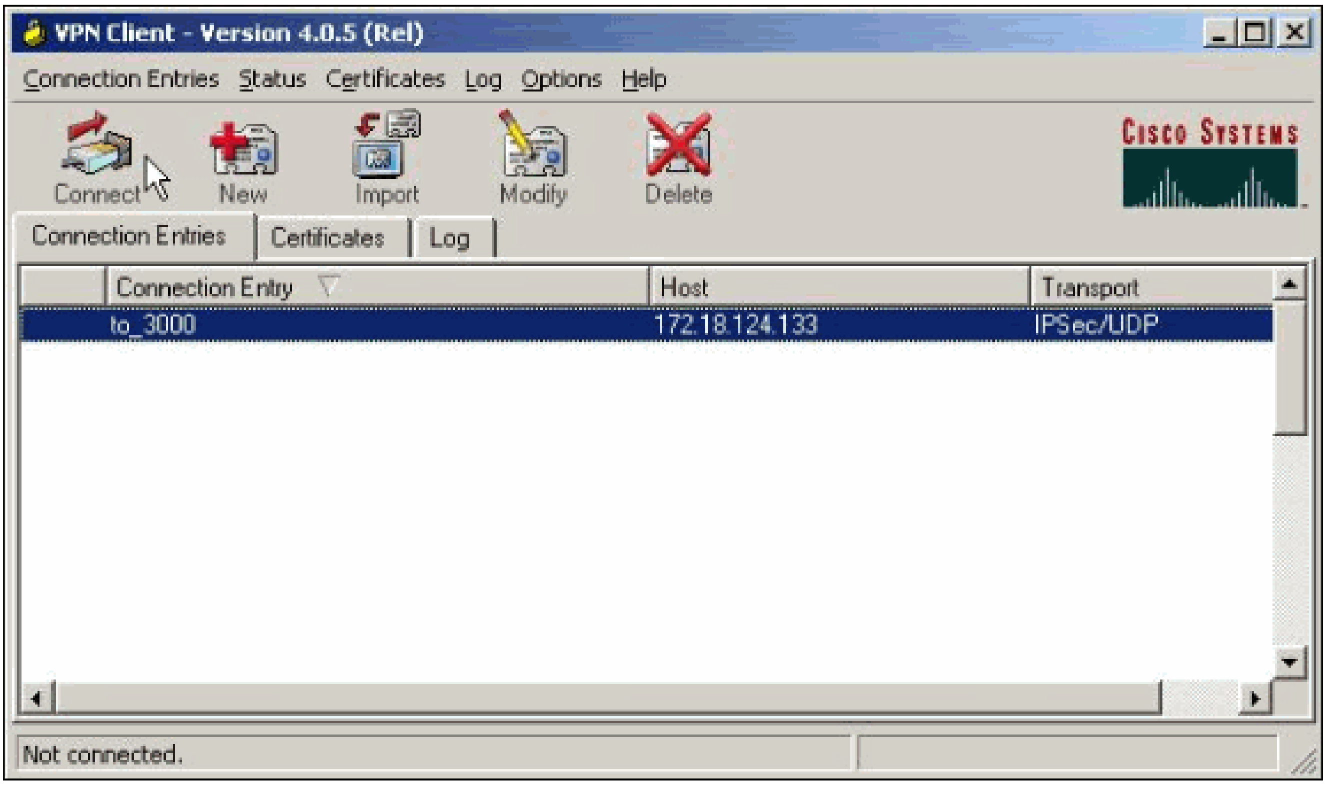
Confirm Password: ********

○ Certificate Authentication

Name:

□ Send CA Certificate Chain

3. Wählen Sie den Verbindungsvertrag aus der Liste aus, und klicken Sie auf **Verbinden**. Geben Sie bei Aufforderung Ihren Benutzernamen/Ihr Kennwort ein.



VPN Client - Version 4.0.5 (Rel)

| Connection Entry | Host | Transport |
|---|---|---|
| to_3000 | 172.18.124.133 | IPSec/UDP |

Not connected.

# Überprüfen

Für diese Konfiguration ist derzeit kein Überprüfungsverfahren verfügbar.

# Fehlerbehebung

In diesen Abschnitten finden Sie Informationen zur Fehlerbehebung in Ihrer Konfiguration.

Das Output Interpreter Tool (nur registrierte Kunden) (OIT) unterstützt bestimmte **show**-Befehle. Verwenden Sie das OIT, um eine Analyse der **Ausgabe des** Befehls **show anzuzeigen**.

**Hinweis:** Bevor Sie Debugbefehle ausgeben, lesen Sie die wichtigen Informationen zu Debug-Befehlen.

## Was kann schief gehen?

Dies sind potenzielle Fehler, die auftreten können. Die Fehlerbehebungen finden Sie in den Abschnitten VPN Client und VPN Concentrator.

- Ein Benutzer erhält die Meldung `IPSec konnte nicht ausgehandelt werden, oder der Host antwortete nicht`.Das Debuggen von VPN 3000 zeigt Folgendes an:
  ```
  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
  ```
  **Übliche Ursache:** Der Benutzer versucht, eine Verbindung mit einem Gruppennamen herzustellen, der nicht konfiguriert ist.
- Ein Benutzer kann keine Verbindung herstellen, und das Debuggen von VPN 3000 zeigt Folgendes an:
  ```
  Filter missing on interface 2, IKE data from Peer x.x.x.x dropped
  ```
  **Übliche Ursache:** Der Filter fehlt in der öffentlichen Schnittstelle. In der Regel ist dies der "öffentliche" Filter (kann jedoch der private Filter sein). "none" ist ungültig). Wählen Sie **Configuration** > **Interfaces** > **Ethernet 2** > **Filter (Konfiguration** > **Schnittstellen** > **Ethernet 2** > **Filter**), und geben Sie den Filter "public" (öffentlich) oder einen anderen Wert (d. h. nicht "none") ein. Weitere Informationen zum Konfigurieren des Filters finden Sie im Konfigurationsabschnitt dieses Dokuments.
- Ein Benutzer kann keine Verbindung herstellen und sieht, dass `IPSec nicht ausgehandelt werden kann oder der Host nicht reagiert hat`.Das Debuggen von VPN 3000 zeigt Folgendes an:
  ```
  Terminating connection attempt: IPSEC not permitted for group >group<
  ```
  **Übliche Ursache:** IPsec ist für die Gruppe nicht ausgewählt. Wählen Sie **Configuration** > **User Management** > **Groups** > **<group>** > **Modify > General aus, und überprüfen Sie, ob IPSec unter Tunneling Protocols (Tunneling-Protokolle) ausgewählt ist.**
- Ein Benutzer kann nach zahlreichen Versuchen keine Verbindung herstellen und erkennt `fehlgeschlagene Benutzerauthentifizierung`.Das Debuggen von VPN 3000 zeigt Folgendes an:
  ```
  Authentication rejected: Reason = User was not found handle = 14, server = Internal,
  user = <user>
  ```
  **Übliche Ursache:** Der Benutzer ist nicht in der Benutzerdatenbank vorhanden. Vergewissern Sie sich, dass Sie den richtigen Benutzernamen eingeben, wenn das Fenster für die Benutzerauthentifizierung angezeigt wird.
- Benutzer können keine Verbindung herstellen, und das Debugging von VPN 3000 zeigt

Folgendes an:

```
Filter missing on interface 0, IKE data from Peer x.x.x.x dropped
```

**Übliche Ursache:** Die Standardroute fehlt. Stellen Sie sicher, dass die Konfiguration eine Standardroute enthält. Wählen Sie **Configuration** > **System** > **IP routing** > **Default Gateway (Konfiguration** > **System** > **IP-Routing** > **Standard-Gateway),** und geben Sie das Standard-Gateway an.

- Ein Benutzer kann keine Verbindung herstellen und sieht, dass `Ihre IPSec-Verbindung vom Remote-Peer beendet wurde`.Das Debuggen von VPN 3000 zeigt Folgendes an:

  ```
   User [ <user> ]
  IKE rcv'd FAILED IP Addr status!
  ```

  **Übliche Ursache:** Es ist keine Option aktiviert, um dem VPN-Client eine IP-Adresse zuzuweisen. Wählen Sie **Configuration** > **System** > **Address Management** > **Address Assignment (Konfiguration > System** > **Adressenverwaltung** > **Adressenzuweisung)** aus, und wählen Sie eine Option aus.
- Ein Benutzer kann keine Verbindung herstellen, und die `Benutzerauthentifizierung ist fehlgeschlagen`.Das Debuggen von VPN 3000 zeigt Folgendes an:

  ```
  The calculated HASH doesn't match the received value
  ```

  **Übliche Ursache:** Das Gruppenkennwort auf dem VPN-Client unterscheidet sich von dem auf dem VPN Concentrator konfigurierten Kennwort. Überprüfen Sie das Kennwort sowohl auf dem VPN-Client als auch auf dem Concentrator.
- Sie haben den VPN-Pool für die Ressourcen hinter dem VPN Concentrator eingerichtet. Sie können zwar auf die Ressourcen zugreifen, aber sie nicht pingen.**Übliche Ursache:** Hinter dem VPN-Konzentrator befindet sich ein PIX, der die ICMP-Pakete blockiert. Melden Sie sich bei diesem PIX an, und wenden Sie eine **Zugriffsliste** an, um ICMP-Pakete zu aktivieren.
- Es gibt keine VPN Concentrator-Debugger, und alle oder einige Benutzer können keine Verbindung herstellen.Der öffentliche Standardfilter des VPN Concentrator enthält Regeln, die diesen Datenverkehr zulassen:Protokoll = UDP, Port = 500Protokoll = UDP, Port = 10.000Protokoll = ESPProtokoll = AHWenn die Filter des VPN Concentrator diesen Datenverkehr zulassen, kann ein Gerät zwischen dem VPN-Client und dem VPN-Concentrator einige dieser Ports (möglicherweise eine Firewall) blockieren. Um dies zu überprüfen, versuchen Sie, eine Verbindung zum VPN Concentrator direkt außerhalb des VPN Concentrator aus dem Netzwerk herzustellen. Wenn dies funktioniert, blockiert ein Gerät zwischen dem VPN Client-PC und dem VPN Concentrator den Datenverkehr.
- Ein Benutzer kann keine Verbindung herstellen und sieht diese Protokolle:

  ```
  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
  ```

  **Übliche Ursache:** Ein falsch definierter Gruppenname oder ein falsch definiertes Kennwort. Erstellen Sie den neuen Gruppennamen und das neue Kennwort für den VPN-Client im VPN-Concentrator 3000 neu.
- Ein Benutzer kann einen Ping oder Telnet an einen Host hinter dem VPN Concentrator senden, aber der Benutzer kann den Remote-Desktop (9RDP) oder ähnliche Anwendungen nicht verwenden.**Übliche Ursache:** Der öffentliche Filter ist auf der öffentlichen Schnittstelle nicht aktiviert. Siehe Schritt 2 im Abschnitt Konfigurieren des VPN 300-Konzentrators in diesem Dokument.
- Ein Benutzer kann eine Verbindung herstellen, aber kein Datenverkehr wird durch den VPN-Tunnel geleitet.**Übliche Ursache:** NAT-Transparenz ist nicht aktiviert. In vielen Fällen befindet sich der VPN-Client hinter einem PAT-Gerät. PAT benötigt TCP- und UDP-Portnummern, um Adressraum zu sparen. ESP, das den VPN-Datenverkehr kapselt, ist jedoch ein separates

Protokoll von TCP oder UDP. Das bedeutet, dass viele PAT-Geräte ESP-Datenverkehr nicht verarbeiten können. NAT-T kapselt ESP-Pakete in UDP-Paketen, sodass diese problemlos ein PAT-Gerät passieren können. Damit ESP-Datenverkehr über ein PAT-Gerät fließen kann, müssen Sie NAT-T auf dem Konzentrator aktivieren. Weitere Informationen finden Sie unter Konfigurieren des transparenten NAT-Modus für IPSec auf dem VPN 3000-Konzentrator.

## VPN-Client

Wählen Sie **Start** > **Programme** > **Cisco Systems VPN 3000 Client** > **Log Viewer** aus, um die Protokollanzeige aufzurufen.

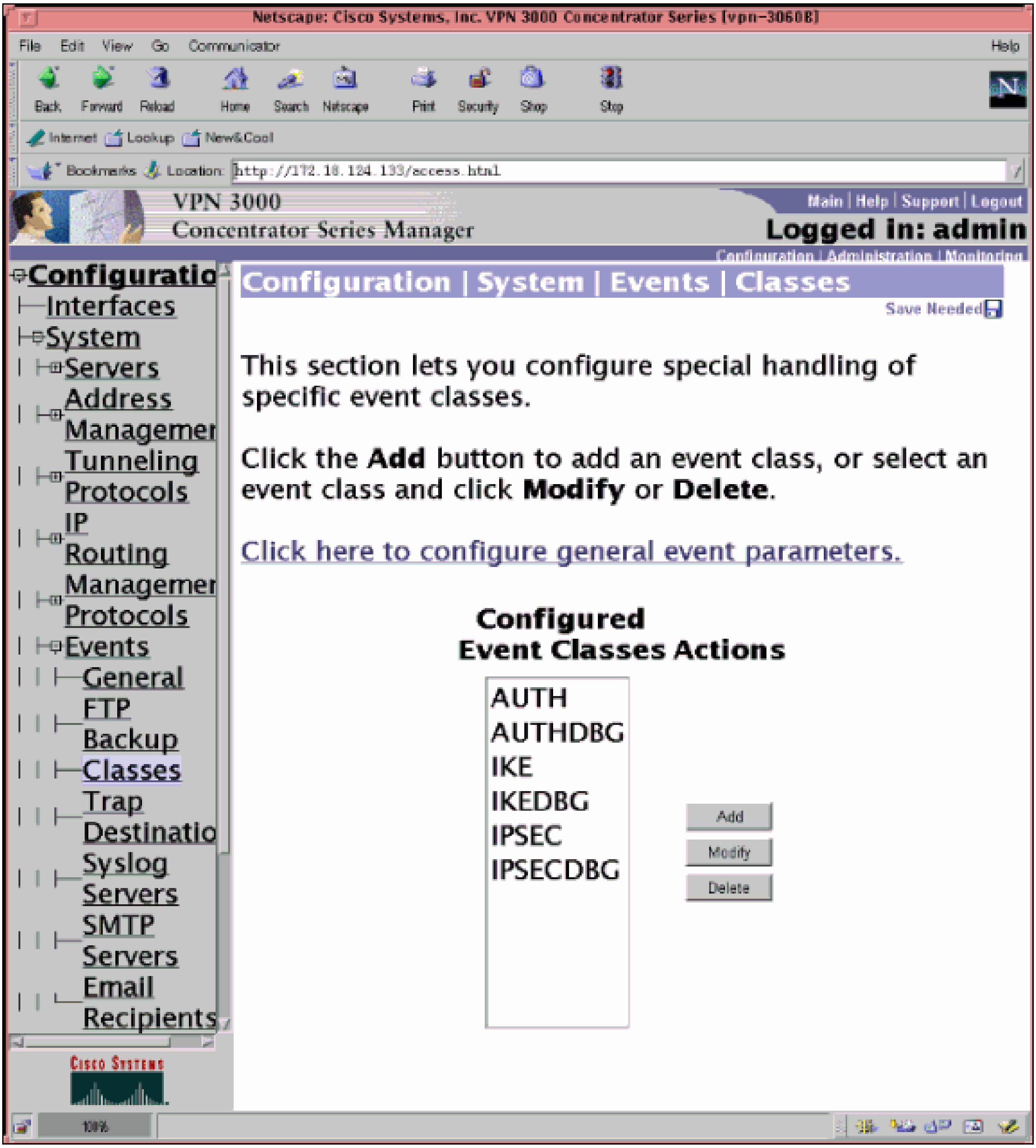
## VPN-Konzentrator

Wählen Sie **Configuration** > **System** > **Events** > **Classes (Konfiguration** > **System** > **Ereignisse** > **Klassen** aus, um dieses Debuggen zu aktivieren, wenn Fehler bei der Verbindung auftreten:

- AUTH - Severity to log 1-13
- AUTHDBG - Schweregrad von Protokoll 1-13
- IKE - Schweregrad für Protokoll 1-13
- IKEDBG - Schweregrad für Protokoll 1-13
- IPSEC (IPSEC) - Schweregrad für Protokoll 1-13
- IPSECDBG - Schweregrad für Protokoll 1-13

**Hinweis:** Bei Bedarf können AUTHDECODE, IKEDECODE, IPSECDECODE später hinzugefügt werden.

Weitere Informationen zur Fehlerbehebung finden Sie unter Beheben von Verbindungsproblemen im VPN 3000 Concentrator.


Netscape: Cisco Systems, Inc. VPN 3000 Concentrator Series [vpn-3060B]
File Edit View Go Communicator Help
Back Forward Reload Home Search Netscape Print Security Shop Stop
Internet Lookup New&Cool
Bookmarks Location: http://172.18.124.133/access.html
VPN 3000
Concentrator Series Manager
Main | Help | Support | Logout
Logged in: admin
Configuration | Administration | Monitoring
Configuration
Interfaces
System
Servers
Address Management
Tunneling Protocols
IP Routing
Management Protocols
Events
General
FTP Backup
Classes
Trap Destinations
Syslog Servers
SMTP Servers
Email Recipients
Cisco Systems
Add
Modify
Delete
100%

Configuration | System | Events | Classes

Save Needed

This section lets you configure special handling of specific event classes.

Click the **Add** button to add an event class, or select an event class and click **Modify** or **Delete**.

Click here to configure general event parameters.

**Configured Event Classes Actions**

AUTH
AUTHDBG
IKE
IKEDBG
IPSEC
IPSECDBG

Wählen Sie **Monitoring** > **Filterable Event Log (Überwachung** > Filterbares Ereignisprotokoll), um das Protokoll anzuzeigen.

## VPN 3000 Concentrator - gutes Beispiel für Fehlerbehebung

```
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!
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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
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```
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:
  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
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RECEIVED Message (msgid=472c326b) with payloads :
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!

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
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)
```

## Zugehörige Informationen

- Support-Seite für Cisco VPN Concentrator der Serie 3000
- Cisco VPN Client Support-Seite der Serie 3000
- IPsec-Aushandlung/IKE-Protokolle
- Technischer Support und Dokumentation - Cisco Systems