

オーバーラップするプライベート ネットワークを持つ 2 台の Cisco VPN 3000 コンセントレータ間の IPsec

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概要

このドキュメントでは、VPN ゲートウェイの背後にオーバーラップするネットワーク アドレスがあるサイト間 IPsec VPN に Cisco VPN 3000 コンセントレータを設定する方法について説明します。この例では、VPN 3000 コンセントレータ バージョン 3.6 で導入された強化されたネットワーク アドレス変換 (NAT) 機能を使用して、IPsec VPN トンネルの両側のオーバーラップするネットワークを変換して、オーバーラップしない範囲のアドレスに変更しています。

前提条件

要件

この設定を開始する前に、次の要件が満たされていることを確認してください。

- Cisco VPN 3000 コンセントレータに関する知識
- IPsec VPN に関する知識

使用するコンポーネント

このドキュメントの情報は、次のソフトウェアとハードウェアのバージョンに基づいています。

- Cisco VPN 3000 コンセントレータ バージョン 3.6 以降

このドキュメントの情報は、特定のラボ環境にあるデバイスに基づいて作成されました。このドキュメントで使用するすべてのデバイスは、初期（デフォルト）設定の状態から起動しています。対象のネットワークが稼働中である場合には、どのようなコマンドについても、その潜在的な影響について確実に理解しておく必要があります。

ネットワーク図

このドキュメントでは、次のネットワーク セットアップを使用します。



プライベート LAN 1 とプライベート LAN 2 の両方の IP サブネットは 14.38.100.0/24 です。これは、IPsec トンネルの両側の重複するアドレス空間をシミュレートします。

この例では、VPN 3000 コンセントレータは双方向の NAT 変換を行います。そのため、2 つのプライベート LAN は IPsec トンネルで通信できます。この変換は、プライベート LAN 1 が IPsec トンネルを介してプライベート LAN 2 を 14.38.200.0/24 と認識し、プライベート LAN 2 が IPsec トンネルを介してプライベート LAN 1 を 14.38.80.0/24 と認識することを意味します。

表記法

ドキュメント表記の詳細は、「[シスコ テクニカル ティップスの表記法](#)」を参照してください。

VPN 3000 コンセントレータ A の設定

VPN 3000 コンセントレータ A を設定するには、次の手順を実行します。

1. [Configuration] > [System] > [Tunneling Protocols] > [IPsec] > [LAN-to-LAN] > [Modify] に移動し、LAN-to-LAN セッション提案と、VPN コンセントレータ A の LAN-to-LAN のパラメータを設定します。[Local Network] セクションで、[IP Address] フィールドに **14.38.80.0/24** を入力します。[Remote Network] セクションで、[IP Address] フィールドに **14.38.200.0/24** を入力します。完了したら、[Apply] をクリックします。

Configuration | System | Tunneling Protocols | IPSec | LAN-to-LAN | Modify

Modify an IPSec LAN-to-LAN connection.

Name: VPN TUNNEL Enter the name for this LAN-to-LAN connection.

Interface: Ethernet 2 (Public) (172.18.124.132) Select the interface for this LAN-to-LAN connection.

Peer: 172.18.124.131 Enter the IP address of the remote peer for this LAN-to-LAN connection.

Digital Certificate: None (Use Preshared Keys) Select the digital certificate to use.

Certificate: Entire certificate chain Choose how to send the digital certificate to the IKE peer.
 Identity certificate only

Preshared Key: rtpvpn Enter the preshared key for this LAN-to-LAN connection.

Authentication: ESP/MD5/HMAC-128 Specify the packet authentication mechanism to use.

Encryption: 3DES-168 Specify the encryption mechanism to use.

IKE Proposal: IKE-3DES-MD6 Select the IKE Proposal to use for this LAN-to-LAN connection.

Filter: --None-- Choose the filter to apply to the traffic that is tunneled through this LAN-to-LAN connection.

IPSec NAT-T: Check to let NAT-T compatible IPSec peers establish this LAN-to-LAN connection through a NAT device. You must also enable IPSec over NAT-T under NAT Transparency.

Bandwidth Policy: --None-- Choose the bandwidth policy to apply to this LAN-to-LAN connection.

Routing: None Choose the routing mechanism to use. Parameters below are ignored if Network Autodiscovery is chosen.

Local Network: If a LAN-to-LAN NAT rule is used, this is the Translated Network address.

Network List: Use IP Address/Wildcard-mask below Specify the local network address list or the IP address and wildcard mask for this LAN-to-LAN connection.

IP Address: 14.38.80.0 Note: Enter a wildcard mask, which is the reverse of a subnet mask. A wildcard mask has 1s in bit positions to ignore, 0s in bit positions to match. For example, 10.10.1.0/0.0.0.255 = all 10.10.1.mnn addresses.

Wildcard Mask: 0.0.0.255

Remote Network: If a LAN-to-LAN NAT rule is used, this is the Remote Network address.

Network List: Use IP Address/Wildcard-mask below Specify the remote network address list or the IP address and wildcard mask for this LAN-to-LAN connection.

IP Address: 14.38.200.0 Note: Enter a wildcard mask, which is the reverse of a subnet mask. A wildcard mask has 1s in bit positions to ignore, 0s in bit positions to match. For example, 10.10.1.0/0.0.0.255 = all 10.10.1.mnn addresses.

Wildcard Mask: 0.0.0.255

Apply Cancel

2. [Configuration] > [Policy Management] > [Traffic Management] > [NAT] > [LAN-to-LAN Rules] > [Modify] に移動し、プライベート LAN 1 に向かうプライベート LAN 2 のスタティック NAT を作成します。[IP Address] 行で、[Source Network] フィールドに 14.38.100.0/24、[Translated Network] フィールドに 14.38.80.0/24、[Remote Network] フィールドに 14.38.200.0/24 を入力し、[Apply] をクリックします。

Configuration | Policy Management | Traffic Management | NAT | LAN-to-LAN Rules | Modify

Modify a LAN-to-LAN NAT rule.

Static Static: maps source IP addresses to translated IP addresses on a one-to-one basis. Static mappings apply to both inbound and outbound traffic.

NAT Type Dynamic Dynamic: maps source IP addresses to one of a pool of available translated IP addresses. Dynamic mappings apply to outbound traffic only.

PAT PAT: Dynamic mapping with Port Address Translation. PAT applies to outbound traffic only.

Source Network: specifies the source IP address and wildcard mask to be translated.

Translated Network: specifies the translated IP address and wildcard mask for the Local Network. It is the local address of the LAN-to-LAN connection.

Remote Network: specifies the destination IP address and wildcard mask for which this rule applies. To allow any remote network, set IP address/wildcard mask to 0.0.0.0/255.255.255.255. It is the remote address of the LAN-to-LAN connection.

Source Network	Translated Network	Remote Network
IP Address: 14.38.100.0	: 14.38.80.0 ->	14.38.200.0
Wildcard Mask: 0.0.0.255	: 0.0.0.255 ->	0.0.0.255

Apply Cancel

3. [Configuration] > [Policy Management] > [Traffic Management] > [NAT] > [Enable] に移動し、[Check to enable NAT rules on LAN-to-LAN tunnels] を選択します。[Apply] をクリックします。

Configuration | Policy Management | Traffic Management | NAT | Enable

This section lets you enable system-wide NAT rules.

Interface NAT Rules Enabled Check to enable NAT rules on interfaces.

LAN-to-LAN Tunnel NAT Rule Enabled Check to enable NAT rules on LAN-to-LAN tunnels.

Apply Cancel

Cisco VPN 3000 コンセントレータ B の設定

Cisco VPN 3000 コンセントレータ B を設定するには、次の手順を実行します。

1. [Configuration] > [System] > [Tunneling Protocols] > [IPSec] > [LAN-to-LAN] > [Modify] に移動し、LAN-to-LAN セッション提案と、VPN コンセントレータ B の LAN-to-LAN のパラメータを設定します。[Local Network] セクションで、[IP Address] フィールドに 14.38.200.0/24 を入力します。[Remote Network] セクションで、[IP Address] フィールドに 14.38.80.0/24 を入力します。完了したら、[Apply] をクリックします。

Configuration | System | Tunneling Protocols | IPSec | LAN-to-LAN | Modify

Modify an IPSec LAN-to-LAN connection.

Name RTP NAT TUNNEL Enter the name for this LAN-to-LAN connection.

Interface Ethernet 2 (Public) (172.18.124.131) Select the interface for this LAN-to-LAN connection.

Peer 172.18.124.132 Enter the IP address of the remote peer for this LAN-to-LAN connection.

Digital Certificate None (Use Preshared Keys) Select the digital certificate to use.

Certificate Entire certificate chain

Transmission Identity certificate only Choose how to send the digital certificate to the IKE peer.

Preshared Key rtpvpn Enter the preshared key for this LAN-to-LAN connection.

Authentication ESP/MD5/HMAC-128 Specify the packet authentication mechanism to use.

Encryption 3DES-168 Specify the encryption mechanism to use.

IKE Proposal IKE-3DES-MD6 Select the IKE Proposal to use for this LAN-to-LAN connection.

Filter --None-- Choose the filter to apply to the traffic that is tunneled through this LAN-to-LAN connection.

IPSec NAT-T Check to let NAT-T compatible IPSec peers establish this LAN-to-LAN connection through a NAT device. You must also enable IPSec over NAT-T under NAT Transparency.

Bandwidth Policy --None-- Choose the bandwidth policy to apply to this LAN-to-LAN connection.

Routing None Choose the routing mechanism to use. Parameters below are ignored if Network Autodiscovery is chosen.

Local Network: If a LAN-to-LAN NAT rule is used, this is the Translated Network address.

Network List Use IP Address/Wildcard mask below Specify the local network address list or the IP address and wildcard mask for this LAN-to-LAN connection.

IP Address 14.38.200.0 Note: Enter a wildcard mask, which is the reverse of a subnet mask. A wildcard mask has 1s in bit positions to ignore, 0s in bit positions to match. For example, 10.10.1.0/0.0.255 = all 10.10.1.any addresses.

Wildcard Mask 0.0.0.255

Remote Network: If a LAN-to-LAN NAT rule is used, this is the Remote Network address.

Network List Use IP Address/Wildcard mask below Specify the remote network address list or the IP address and wildcard mask for this LAN-to-LAN connection.

IP Address 14.38.80.0 Note: Enter a wildcard mask, which is the reverse of a subnet mask. A wildcard mask has 1s in bit positions to ignore, 0s in bit positions to match. For example, 10.10.1.0/0.0.255 = all 10.10.1.any addresses.

Wildcard Mask 0.0.0.255

Apply Cancel

2. [Configuration] > [Policy Management] > [Traffic Management] > [NAT] > [LAN-to-LAN Rules] > [Modify] に移動し、プライベート LAN 2 に向かうプライベート LAN 1 のスタティック NAT を作成します。[IP Address] 行で、[Source Network] フィールドに 14.38.100.0/24、[Translated Network] フィールドに 14.38.200.0/24、[Remote Network] フィールドに 14.38.80.0/24 を入力し、[Apply] をクリックします。

Configuration | Policy Management | Traffic Management | NAT | LAN-to-LAN Rules | Modify

Modify a LAN-to-LAN NAT rule.

Static **Static:** maps source IP addresses to translated IP addresses on a one-to-one basis. Static mappings apply to both inbound and outbound traffic.

NAT Type Dynamic **Dynamic:** maps source IP addresses to one of a pool of available translated IP addresses. Dynamic mappings apply to outbound traffic only.

PAT **PAT:** Dynamic mapping with Port Address Translation. PAT applies to outbound traffic only.

Source Network: specifies the source IP address and wildcard mask to be translated.
Translated Network: specifies the translated IP address and wildcard mask for the **Local Network**. It is the local address of the LAN-to-LAN connection.
Remote Network: specifies the destination IP address and wildcard mask for which this rule applies. To allow any remote network, set IP address/wildcard mask to 0.0.0.0/255.255.255.255. It is the remote address of the LAN-to-LAN connection.

	Source Network	Translated Network	Remote Network
IP Address	14.38.100.0	14.38.200.0	14.38.80.0
Wildcard Mask	0.0.0.255	0.0.0.255	0.0.0.255

3. [Configuration] > [Policy Management] > [Traffic Management] > [NAT] > [Enable] に移動し、[Check to enable NAT rules on LAN-to-LAN tunnels] を選択します。[Apply] をクリックします。

Configuration | Policy Management | Traffic Management | NAT | Enable

This section lets you enable system-wide NAT rules.

Interface NAT Rules Enabled Check to enable NAT rules on interfaces.

LAN-to-LAN Tunnel NAT Rule Enabled Check to enable NAT rules on LAN-to-LAN tunnels.

確認

VPN 3000 コンセントレータ A の設定の確認

ここでは、設定が正しく機能していることを確認するために使用する情報を示します。

一部の show コマンドは [アウトプット インタープリタ ツール](#) によってサポートされています ([登録ユーザ専用](#))。このツールを使用することによって、show コマンド出力の分析結果を表示できます。

- トンネルを開始するには、プライベート LAN 2 デバイス (14.38.200.10) からプライベート LAN 1 の IP アドレス (14.38.80.200) に ping を送信します。

```

File Edit View Call Transfer Help
PrivateLAN2#
PrivateLAN2#
PrivateLAN2#
PrivateLAN2#
PrivateLAN2#
PrivateLAN2#
PrivateLAN2#
PrivateLAN2#
PrivateLAN2#
PrivateLAN2#
PrivateLAN2#ping 14.38.80.200

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 14.38.80.200, timeout is 2 seconds:
!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 4/5/8 ms
PrivateLAN2#
PrivateLAN2#
PrivateLAN2#
PrivateLAN2#
PrivateLAN2#
PrivateLAN2#
PrivateLAN2#
PrivateLAN2#_

```

Connected 0:20:24 Auto detect TCP/IP SCROLL CAPS NUM Capture Print echo

- [Administration] > [Administer Sessions] > [Detail] に移動して、インターネット キー エクスチェンジ (IKE) および IPsec セッションが、NAT を使用したプライベート LAN 1 およびプライベート LAN 2 であることを確認します。

Administration | Administer Sessions | Detail Wednesday, 07 August 2002 12:49:04

[Back to Sessions](#)

Connection Name	IP Address	Protocol	Encryption	Login Time	Duration	Bytes Tx	Bytes Rx
VPN TUNNEL	172.18.124.131	IPSec/LAN-to-LAN	3DES-168	Aug 06 13:20:24	23:28:40	1456	1040

IKE Sessions: 1
IPSec Sessions: 1

IKE Session	
Session ID 1	Encryption Algorithm 3DES-168
Hashing Algorithm MD5	Diffie-Hellman Group Group 2 (1024-bit)
Authentication Mode Pre-Shared Keys	IKE Negotiation Mode Main
Rekey Time Interval 86400 seconds	

IPSec Session	
Session ID 2	Remote Address 14.38.200.0/0.0.0.255
Local Address 14.38.80.0/0.0.0.255	Encryption Algorithm 3DES-168
Hashing Algorithm MD5	SEP 1
Encapsulation Mode Tunnel	Rekey Time Interval 28800 seconds
Bytes Received 1040	Bytes Transmitted 1456

VPN 3000 コンセントレータ B の設定の確認

ここでは、設定が正しく機能していることを確認するために使用する情報を示します。VPN 3000 コンセントレータの接続の問題のトラブルシューティングにおける、設定および確認ログの詳細については、『[VPN 3000 コンセントレータの接続の問題のトラブルシューティング](#)』を参照してください。

一部の show コマンドは[アウトプット インタープリタ ツール](#)によってサポートされています ([登録ユーザ専用](#))。このツールを使用することによって、show コマンド出力の分析結果を表示できます。

[Administration] > [Administer Sessions] > [Detail] に移動して、IKE および IPsec セッションが、NAT を使用したプライベート LAN 2 およびプライベート LAN 1 であることを確認します。

Connection Name	IP Address	Protocol	Encryption	Login Time	Duration	Bytes Tx	Bytes Rx
RTP NAT TUNNEL	172.18.124.132	IPSec/LAN-to-LAN	3DES-168	Aug 08 13:17:22	23:19:15	1040	1456

IKE Sessions: 1
IPSec Sessions: 1

IKE Session	
Session ID 1	Encryption Algorithm 3DES-168
Hashing Algorithm MD5	Diffie-Hellman Group Group 2 (1024-bit)
Authentication Mode Pre-Shared Keys	IKE Negotiation Mode Main
Rekey Time Interval 36400 seconds	

IPSec Session	
Session ID 2	Remote Address 14.38.80.0/0.0.0.255
Local Address 14.38.200.0/0.0.0.255	Encryption Algorithm 3DES-168
Hashing Algorithm MD5	SEP 1
Encapsulation Mode Tunnel	Rekey Time Interval 28800 seconds
Bytes Received 1456	Bytes Transmitted 1040

トラブルシューティング

VPN 3000 コンセントレータ A の設定のトラブルシューティング

VPN コンセントレータで、ロギングをオンにし、[Configuration] > [System] > [Events] > [Classes] > [Modify] を選択します。次のオプションを使用できます。

- IKE
- IKEDBG
- IKEDECODE
- IPSEC
- IPSECDBG
- IPSECDECODE
- ログに対する重大度 = 1 ~ 13
- コンソールに対する重大度 = 1 ~ 3

イベント ログを検索するには、Monitoring > Event Log を選択します。

VPN 3000 コンセントレータの接続の問題のトラブルシューティングにおける、設定および確認ログの詳細については、『[VPN 3000 コンセントレータの接続の問題のトラブルシューティング](#)』を参照してください。

```
1 08/09/2002 13:14:22.690 SEV=8 IKEDBG/0 RPT=52040 172.18.124.132
RECEIVED Message (msgid=0) with payloads :
HDR + SA (1) + VENDOR (13) + NONE (0) ... total length : 108
```

```
3 08/09/2002 13:14:22.690 SEV=9 IKEDBG/0 RPT=52041 172.18.124.132
processing SA payload
```

```
4 08/09/2002 13:14:22.690 SEV=8 IKEDBG/0 RPT=52042
```

Proposal # 1, Transform # 1, Type ISAKMP, Id IKE
Parsing received transform:
Phase 1 failure against global IKE proposal # 1:
Mismatched attr types for class Auth Method:
Rcv'd: Preshared Key
Cfg'd: XAUTH with Preshared Key (Initiator authenticated)

10 08/09/2002 13:14:22.690 SEV=7 IKEDBG/0 RPT=52043 172.18.124.132
Oakley proposal is acceptable

11 08/09/2002 13:14:22.690 SEV=9 IKEDBG/47 RPT=28 172.18.124.132
processing VID payload

12 08/09/2002 13:14:22.690 SEV=9 IKEDBG/49 RPT=24 172.18.124.132
Received Fragmentation VID

13 08/09/2002 13:14:22.690 SEV=5 IKEDBG/64 RPT=6 172.18.124.132
IKE Peer included IKE fragmentation capability flags:
Main Mode: True
Aggressive Mode: True

15 08/09/2002 13:14:22.690 SEV=9 IKEDBG/0 RPT=52044 172.18.124.132
processing IKE SA

16 08/09/2002 13:14:22.690 SEV=8 IKEDBG/0 RPT=52045
Proposal # 1, Transform # 1, Type ISAKMP, Id IKE
Parsing received transform:
Phase 1 failure against global IKE proposal # 1:
Mismatched attr types for class Auth Method:
Rcv'd: Preshared Key
Cfg'd: XAUTH with Preshared Key (Initiator authenticated)

22 08/09/2002 13:14:22.690 SEV=7 IKEDBG/28 RPT=5 172.18.124.132
IKE SA Proposal # 1, Transform # 1 acceptable
Matches global IKE entry # 2

23 08/09/2002 13:14:22.690 SEV=9 IKEDBG/0 RPT=52046 172.18.124.132
constructing ISA_SA for isakmp

24 08/09/2002 13:14:22.690 SEV=9 IKEDBG/46 RPT=26 172.18.124.132
constructing Fragmentation VID + extended capabilities payload

25 08/09/2002 13:14:22.690 SEV=8 IKEDBG/0 RPT=52047 172.18.124.132
SENDING Message (msgid=0) with payloads :
HDR + SA (1) + VENDOR (13) ... total length : 108

27 08/09/2002 13:14:22.700 SEV=8 IKEDBG/0 RPT=52048 172.18.124.132
RECEIVED Message (msgid=0) with payloads :
HDR + KE (4) + NONCE (10) + VENDOR (13) + VENDOR (13) + VENDOR (13) + VENDOR (13)
) + NONE (0) ... total length : 256

30 08/09/2002 13:14:22.700 SEV=8 IKEDBG/0 RPT=52049 172.18.124.132
RECEIVED Message (msgid=0) with payloads :

HDR + KE (4) + NONCE (10) + VENDOR (13) + VENDOR (13) + VENDOR (13) + VENDOR (13) + NONE (0) ... total length : 256

33 08/09/2002 13:14:22.700 SEV=9 IKEDBG/0 RPT=52050 172.18.124.132
processing ke payload

34 08/09/2002 13:14:22.700 SEV=9 IKEDBG/0 RPT=52051 172.18.124.132
processing ISA_KE

35 08/09/2002 13:14:22.700 SEV=9 IKEDBG/1 RPT=83 172.18.124.132
processing nonce payload

36 08/09/2002 13:14:22.700 SEV=9 IKEDBG/47 RPT=29 172.18.124.132
processing VID payload

37 08/09/2002 13:14:22.700 SEV=9 IKEDBG/49 RPT=25 172.18.124.132
Received Cisco Unity client VID

38 08/09/2002 13:14:22.700 SEV=9 IKEDBG/47 RPT=30 172.18.124.132
processing VID payload

39 08/09/2002 13:14:22.700 SEV=9 IKEDBG/49 RPT=26 172.18.124.132
Received xauth V6 VID

40 08/09/2002 13:14:22.700 SEV=9 IKEDBG/47 RPT=31 172.18.124.132
processing VID payload

41 08/09/2002 13:14:22.700 SEV=9 IKEDBG/38 RPT=9 172.18.124.132
Processing VPN 3000 spoofing IOS Vendor ID payload (version: 1.0.0, capabilities : 20000001)

43 08/09/2002 13:14:22.700 SEV=9 IKEDBG/47 RPT=32 172.18.124.132
processing VID payload

44 08/09/2002 13:14:22.700 SEV=9 IKEDBG/49 RPT=27 172.18.124.132
Received Altiga GW VID

45 08/09/2002 13:14:22.730 SEV=9 IKEDBG/0 RPT=52052 172.18.124.132
constructing ke payload

46 08/09/2002 13:14:22.730 SEV=9 IKEDBG/1 RPT=84 172.18.124.132
constructing nonce payload

47 08/09/2002 13:14:22.730 SEV=9 IKEDBG/46 RPT=27 172.18.124.132
constructing Cisco Unity VID payload

48 08/09/2002 13:14:22.730 SEV=9 IKEDBG/46 RPT=28 172.18.124.132
constructing xauth V6 VID payload

49 08/09/2002 13:14:22.730 SEV=9 IKEDBG/48 RPT=10 172.18.124.132
Send IOS VID

50 08/09/2002 13:14:22.730 SEV=9 IKEDBG/38 RPT=10 172.18.124.132
Constructing VPN 3000 spoofing IOS Vendor ID payload (version: 1.0.0, capabilities: 20000001)

52 08/09/2002 13:14:22.730 SEV=9 IKEDBG/46 RPT=29 172.18.124.132
constructing VID payload

53 08/09/2002 13:14:22.730 SEV=9 IKEDBG/48 RPT=11 172.18.124.132
Send Altiga GW VID

54 08/09/2002 13:14:22.730 SEV=9 IKEDBG/0 RPT=52053 172.18.124.132
Generating keys for Responder...

55 08/09/2002 13:14:22.730 SEV=8 IKEDBG/0 RPT=52054 172.18.124.132
SENDING Message (msgid=0) with payloads :
HDR + KE (4) + NONCE (10) ... total length : 256

57 08/09/2002 13:14:22.770 SEV=8 IKEDBG/0 RPT=52055 172.18.124.132
RECEIVED Message (msgid=0) with payloads :
HDR + ID (5) + HASH (8) + IOS KEEPALIVE (14) + VENDOR (13) + NONE (0) ... total
length : 92

60 08/09/2002 13:14:22.770 SEV=9 IKEDBG/1 RPT=85 172.18.124.132
Group [172.18.124.132]
Processing ID

61 08/09/2002 13:14:22.770 SEV=9 IKEDBG/0 RPT=52056 172.18.124.132
Group [172.18.124.132]
processing hash

62 08/09/2002 13:14:22.770 SEV=9 IKEDBG/0 RPT=52057 172.18.124.132
Group [172.18.124.132]
computing hash

63 08/09/2002 13:14:22.770 SEV=9 IKEDBG/34 RPT=9 172.18.124.132
Processing IOS keep alive payload: proposal=32767/32767 sec.

64 08/09/2002 13:14:22.770 SEV=9 IKEDBG/47 RPT=33 172.18.124.132
Group [172.18.124.132]
processing VID payload

65 08/09/2002 13:14:22.770 SEV=9 IKEDBG/49 RPT=28 172.18.124.132
Group [172.18.124.132]
Received DPD VID

66 08/09/2002 13:14:22.770 SEV=9 IKEDBG/23 RPT=6 172.18.124.132
Group [172.18.124.132]
Starting group lookup for peer 172.18.124.132

67 08/09/2002 13:14:22.770 SEV=8 AUTHDBG/1 RPT=7
AUTH_Open() returns 9

68 08/09/2002 13:14:22.770 SEV=7 AUTH/12 RPT=7
Authentication session opened: handle = 9

69 08/09/2002 13:14:22.770 SEV=8 AUTHDBG/3 RPT=9
AUTH_PutAttrTable(9, 8c6274)

70 08/09/2002 13:14:22.770 SEV=8 AUTHDBG/6 RPT=6
AUTH_GroupAuthenticate(9, 2f1c798, 599818)

71 08/09/2002 13:14:22.770 SEV=8 AUTHDBG/59 RPT=9
AUTH_BindServer(511c62c, 0, 0)

72 08/09/2002 13:14:22.770 SEV=9 AUTHDBG/69 RPT=9
Auth Server db1704 has been bound to ACB 511c62c, sessions = 1

73 08/09/2002 13:14:22.770 SEV=8 AUTHDBG/65 RPT=9
AUTH_CreateTimer(511c62c, 0, 0)

74 08/09/2002 13:14:22.770 SEV=9 AUTHDBG/72 RPT=9
Reply timer created: handle = 66001B

75 08/09/2002 13:14:22.770 SEV=8 AUTHDBG/179 RPT=9
AUTH_SyncToServer(511c62c, 0, 0)

76 08/09/2002 13:14:22.770 SEV=8 AUTHDBG/180 RPT=9
AUTH_SendLockReq(511c62c, 0, 0)

77 08/09/2002 13:14:22.770 SEV=8 AUTHDBG/61 RPT=9
AUTH_BuildMsg(511c62c, 0, 0)

78 08/09/2002 13:14:22.770 SEV=8 AUTHDBG/64 RPT=9
AUTH_StartTimer(511c62c, 0, 0)

79 08/09/2002 13:14:22.770 SEV=9 AUTHDBG/73 RPT=9
Reply timer started: handle = 66001B, timestamp = 17178934, timeout = 30000

80 08/09/2002 13:14:22.770 SEV=8 AUTHDBG/62 RPT=9
AUTH_SndRequest(511c62c, 0, 0)

81 08/09/2002 13:14:22.770 SEV=8 AUTHDBG/50 RPT=17
IntDB_Decode(37f1908, 149)

82 08/09/2002 13:14:22.770 SEV=8 AUTHDBG/47 RPT=17
IntDB_Xmt(511c62c)

83 08/09/2002 13:14:22.770 SEV=9 AUTHDBG/71 RPT=9
xmit_cnt = 1

84 08/09/2002 13:14:22.770 SEV=8 AUTHDBG/47 RPT=18
IntDB_Xmt(511c62c)

85 08/09/2002 13:14:22.870 SEV=8 AUTHDBG/49 RPT=9
IntDB_Match(511c62c, 5119cc4)

86 08/09/2002 13:14:22.870 SEV=8 AUTHDBG/63 RPT=9
AUTH_RcvReply(511c62c, 0, 0)

87 08/09/2002 13:14:22.870 SEV=8 AUTHDBG/50 RPT=18
IntDB_Decode(5119cc4, 835)

88 08/09/2002 13:14:22.870 SEV=8 AUTHDBG/48 RPT=9
IntDB_Rcv(511c62c)

89 08/09/2002 13:14:22.870 SEV=8 AUTHDBG/66 RPT=9
AUTH_DeleteTimer(511c62c, 0, 0)

90 08/09/2002 13:14:22.870 SEV=9 AUTHDBG/74 RPT=9
Reply timer stopped: handle = 66001B, timestamp = 17178944

91 08/09/2002 13:14:22.870 SEV=8 AUTHDBG/58 RPT=9
AUTH_Callback(511c62c, 0, 0)

92 08/09/2002 13:14:22.870 SEV=6 AUTH/41 RPT=8 172.18.124.132
Authentication successful: handle = 9, server = Internal, group = 172.18.124.132

93 08/09/2002 13:14:22.870 SEV=7 IKEDBG/0 RPT=52058 172.18.124.132
Group [172.18.124.132]
Found Phase 1 Group (172.18.124.132)

94 08/09/2002 13:14:22.870 SEV=8 AUTHDBG/4 RPT=8
AUTH_GetAttrTable(9, 8c6520)

95 08/09/2002 13:14:22.870 SEV=7 IKEDBG/14 RPT=7 172.18.124.132
Group [172.18.124.132]
Authentication configured for Internal

96 08/09/2002 13:14:22.870 SEV=8 AUTHDBG/2 RPT=7
AUTH_Close(9)

97 08/09/2002 13:14:22.870 SEV=9 IKEDBG/1 RPT=86 172.18.124.132
Group [172.18.124.132]
constructing ID

98 08/09/2002 13:14:22.870 SEV=9 IKEDBG/0 RPT=52059
Group [172.18.124.132]
construct hash payload

99 08/09/2002 13:14:22.870 SEV=9 IKEDBG/0 RPT=52060 172.18.124.132
Group [172.18.124.132]
computing hash

100 08/09/2002 13:14:22.870 SEV=9 IKEDBG/34 RPT=10 172.18.124.132
Constructing IOS keep alive payload: proposal=32767/32767 sec.

101 08/09/2002 13:14:22.870 SEV=9 IKEDBG/46 RPT=30 172.18.124.132
Group [172.18.124.132]
constructing dpd vid payload

102 08/09/2002 13:14:22.870 SEV=8 IKEDBG/0 RPT=52061 172.18.124.132
SENDING Message (msgid=0) with payloads :
HDR + ID (5) + HASH (8) ... total length : 92

104 08/09/2002 13:14:22.870 SEV=4 IKE/119 RPT=8 172.18.124.132
Group [172.18.124.132]
PHASE 1 COMPLETED

105 08/09/2002 13:14:22.870 SEV=6 IKE/121 RPT=6 172.18.124.132
Keep-alive type for this connection: DPD

106 08/09/2002 13:14:22.870 SEV=7 IKEDBG/0 RPT=52062 172.18.124.132
Group [172.18.124.132]
Starting phase 1 rekey timer: 73440000 (ms)

107 08/09/2002 13:14:22.870 SEV=4 AUTH/22 RPT=38
User 172.18.124.132 connected

108 08/09/2002 13:14:22.870 SEV=8 AUTHDBG/60 RPT=9
AUTH_UnbindServer(511c62c, 0, 0)

109 08/09/2002 13:14:22.870 SEV=9 AUTHDBG/70 RPT=9
Auth Server db1704 has been unbound from ACB 511c62c, sessions = 0

110 08/09/2002 13:14:22.870 SEV=8 AUTHDBG/10 RPT=7
AUTH_Int_FreeAuthCB(511c62c)

111 08/09/2002 13:14:22.870 SEV=7 AUTH/13 RPT=7
Authentication session closed: handle = 9

112 08/09/2002 13:14:22.970 SEV=8 IKEDBG/0 RPT=52063 172.18.124.132
RECEIVED Message (msgid=56fdca09) with payloads :
HDR + HASH (8) + SA (1) + NONCE (10) + ID (5) + ID (5) + NOTIFY (11) + NONE (0)
... total length : 180

115 08/09/2002 13:14:22.970 SEV=9 IKEDBG/0 RPT=52064 172.18.124.132
Group [172.18.124.132]
processing hash

116 08/09/2002 13:14:22.970 SEV=9 IKEDBG/0 RPT=52065 172.18.124.132
Group [172.18.124.132]
processing SA payload

117 08/09/2002 13:14:22.970 SEV=9 IKEDBG/1 RPT=87 172.18.124.132

Group [172.18.124.132]
processing nonce payload

118 08/09/2002 13:14:22.970 SEV=9 IKEDBG/1 RPT=88 172.18.124.132

Group [172.18.124.132]

Processing ID

119 08/09/2002 13:14:22.970 SEV=5 IKE/35 RPT=4 172.18.124.132

Group [172.18.124.132]

Received remote IP Proxy Subnet data in ID Payload:

Address 14.38.80.0, Mask 255.255.255.0, Protocol 0, Port 0

122 08/09/2002 13:14:22.970 SEV=9 IKEDBG/1 RPT=89 172.18.124.132

Group [172.18.124.132]

Processing ID

123 08/09/2002 13:14:22.970 SEV=5 IKE/34 RPT=6 172.18.124.132

Group [172.18.124.132]

Received local IP Proxy Subnet data in ID Payload:

Address 14.38.200.0, Mask 255.255.255.0, Protocol 0, Port 0

126 08/09/2002 13:14:22.970 SEV=9 IKEDBG/0 RPT=52066 172.18.124.132

Group [172.18.124.132]

Processing Notify payload

127 08/09/2002 13:14:22.970 SEV=8 IKEDBG/0 RPT=52067

QM IsRekeyed old sa not found by addr

128 08/09/2002 13:14:22.970 SEV=5 IKE/66 RPT=8 172.18.124.132

Group [172.18.124.132]

IKE Remote Peer configured for SA: L2L: RTP NAT TUNNEL

129 08/09/2002 13:14:22.970 SEV=9 IKEDBG/0 RPT=52068 172.18.124.132

Group [172.18.124.132]

processing IPSEC SA

130 08/09/2002 13:14:22.970 SEV=7 IKEDBG/27 RPT=6 172.18.124.132

Group [172.18.124.132]

IPSec SA Proposal # 1, Transform # 1 acceptable

131 08/09/2002 13:14:22.970 SEV=7 IKEDBG/0 RPT=52069 172.18.124.132

Group [172.18.124.132]

IKE: requesting SPI!

132 08/09/2002 13:14:22.970 SEV=6 IKE/0 RPT=5

Received unexpected event EV_ACTIVATE_NEW_SA in state MM_ACTIVE

133 08/09/2002 13:14:22.970 SEV=9 IPSECDBG/6 RPT=41

IPSEC key message parse - msgtype 6, len 208, vers 1, pid 00000000, seq 12, err 0, type 2, mode 0, state 32, label 0, pad 0, spi 00000000, encrKeyLen 0, hashKey Len 0, ivlen 0, alg 0, hmacAlg 0, lifetype 0, lifetime1 21, lifetime2 0, dsId 30 0

137 08/09/2002 13:14:22.970 SEV=9 IPSECDBG/1 RPT=155

Processing KEY_GETSPI msg!

138 08/09/2002 13:14:22.970 SEV=7 IPSECDBG/13 RPT=9

Reserved SPI 840508266

139 08/09/2002 13:14:22.970 SEV=8 IKEDBG/6 RPT=9

IKE got SPI from key engine: SPI = 0x3219236a

140 08/09/2002 13:14:22.970 SEV=9 IKEDBG/0 RPT=52070 172.18.124.132

Group [172.18.124.132]

oakley constructing quick mode

141 08/09/2002 13:14:22.970 SEV=9 IKEDBG/0 RPT=52071 172.18.124.132
Group [172.18.124.132]
constructing blank hash

142 08/09/2002 13:14:22.970 SEV=9 IKEDBG/0 RPT=52072 172.18.124.132
Group [172.18.124.132]
constructing ISA_SA for ipsec

143 08/09/2002 13:14:22.970 SEV=9 IKEDBG/1 RPT=90 172.18.124.132
Group [172.18.124.132]
constructing ipsec nonce payload

144 08/09/2002 13:14:22.970 SEV=9 IKEDBG/1 RPT=91 172.18.124.132
Group [172.18.124.132]
constructing proxy ID

145 08/09/2002 13:14:22.970 SEV=7 IKEDBG/0 RPT=52073 172.18.124.132
Group [172.18.124.132]
Transmitting Proxy Id:
Remote subnet: 14.38.80.0 Mask 255.255.255.0 Protocol 0 Port 0
Local subnet: 14.38.200.0 mask 255.255.255.0 Protocol 0 Port 0

149 08/09/2002 13:14:22.970 SEV=9 IKEDBG/0 RPT=52074 172.18.124.132
Group [172.18.124.132]
constructing qm hash

150 08/09/2002 13:14:22.970 SEV=8 IKEDBG/0 RPT=52075 172.18.124.132
SENDING Message (msgid=56fdca09) with payloads :
HDR + HASH (8) + SA (1) ... total length : 152

152 08/09/2002 13:14:22.980 SEV=8 IKEDBG/0 RPT=52076 172.18.124.132
RECEIVED Message (msgid=56fdca09) with payloads :
HDR + HASH (8) + NONE (0) ... total length : 48

154 08/09/2002 13:14:22.980 SEV=9 IKEDBG/0 RPT=52077 172.18.124.132
Group [172.18.124.132]
processing hash

155 08/09/2002 13:14:22.980 SEV=9 IKEDBG/0 RPT=52078 172.18.124.132
Group [172.18.124.132]
loading all IPSEC SAs

156 08/09/2002 13:14:22.980 SEV=9 IKEDBG/1 RPT=92 172.18.124.132
Group [172.18.124.132]
Generating Quick Mode Key!

157 08/09/2002 13:14:22.980 SEV=9 IKEDBG/1 RPT=93 172.18.124.132
Group [172.18.124.132]
Generating Quick Mode Key!

158 08/09/2002 13:14:22.980 SEV=7 IKEDBG/0 RPT=52079 172.18.124.132
Group [172.18.124.132]
Loading subnet:
Dst: 14.38.200.0 mask: 255.255.255.0
Src: 14.38.80.0 mask: 255.255.255.0

161 08/09/2002 13:14:22.980 SEV=4 IKE/49 RPT=12 172.18.124.132
Group [172.18.124.132]
Security negotiation complete for LAN-to-LAN Group (172.18.124.132)
Responder, Inbound SPI = 0x3219236a, Outbound SPI = 0x3607c2f4

164 08/09/2002 13:14:22.980 SEV=9 IPSECDBG/6 RPT=42

IPSEC key message parse - msgtype 1, len 622, vers 1, pid 00000000, seq 0, err 0
, type 2, mode 1, state 64, label 0, pad 0, spi 3607c2f4, encrKeyLen 24, hashKey
Len 16, ivlen 8, alg 2, hmacAlg 3, lifetype 0, lifetimel 21, lifetime2 0, dsId 0

167 08/09/2002 13:14:22.980 SEV=9 IPSECDBG/1 RPT=156
Processing KEY_ADD msg!

168 08/09/2002 13:14:22.980 SEV=9 IPSECDBG/1 RPT=157
key_msghdr2secassoc(): Enter

169 08/09/2002 13:14:22.980 SEV=7 IPSECDBG/1 RPT=158
No USER filter configured

170 08/09/2002 13:14:22.980 SEV=9 IPSECDBG/1 RPT=159
KeyProcessAdd: Enter

171 08/09/2002 13:14:22.980 SEV=8 IPSECDBG/1 RPT=160
KeyProcessAdd: Adding outbound SA

172 08/09/2002 13:14:22.980 SEV=8 IPSECDBG/1 RPT=161
KeyProcessAdd: src 14.38.200.0 mask 0.0.0.255, dst 14.38.80.0 mask 0.0.0.255

173 08/09/2002 13:14:22.980 SEV=8 IPSECDBG/1 RPT=162
KeyProcessAdd: FilterIpsecAddIkeSa success

174 08/09/2002 13:14:22.980 SEV=9 IPSECDBG/6 RPT=43
IPSEC key message parse - msgtype 3, len 335, vers 1, pid 00000000, seq 0, err 0
, type 2, mode 1, state 32, label 0, pad 0, spi 3219236a, encrKeyLen 24, hashKey
Len 16, ivlen 8, alg 2, hmacAlg 3, lifetype 0, lifetimel 21, lifetime2 0, dsId 0

177 08/09/2002 13:14:22.980 SEV=9 IPSECDBG/1 RPT=163
Processing KEY_UPDATE msg!

178 08/09/2002 13:14:22.980 SEV=9 IPSECDBG/1 RPT=164
Update inbound SA addresses

179 08/09/2002 13:14:22.980 SEV=9 IPSECDBG/1 RPT=165
key_msghdr2secassoc(): Enter

180 08/09/2002 13:14:22.980 SEV=7 IPSECDBG/1 RPT=166
No USER filter configured

181 08/09/2002 13:14:22.980 SEV=9 IPSECDBG/1 RPT=167
KeyProcessUpdate: Enter

182 08/09/2002 13:14:22.980 SEV=8 IPSECDBG/1 RPT=168
KeyProcessUpdate: success

183 08/09/2002 13:14:22.980 SEV=8 IKEDBG/7 RPT=9
IKE got a KEY_ADD msg for SA: SPI = 0x3607c2f4

184 08/09/2002 13:14:22.980 SEV=8 IKEDBG/0 RPT=52080
pitcher: rcv KEY_UPDATE, spi 0x3219236a

185 08/09/2002 13:14:22.980 SEV=4 IKE/120 RPT=12 172.18.124.132
Group [172.18.124.132]
PHASE 2 COMPLETED (msgid=56fdca09)

186 08/09/2002 13:14:24.690 SEV=7 IPSECDBG/1 RPT=169
IPSec Inbound SA has received data!

187 08/09/2002 13:14:24.690 SEV=8 IKEDBG/0 RPT=52081
pitcher: rcv KEY_SA_ACTIVE spi 0x3219236a

188 08/09/2002 13:14:24.690 SEV=8 IKEDBG/0 RPT=52082
KEY_SA_ACTIVE no old rekey centry found with new spi 0x3219236a, mess_id 0x0

VPN 3000 コンセントレータ B の設定のトラブルシューティング

VPN 3000 コンセントレータの接続の問題のトラブルシューティングにおける、設定および確認ログの詳細については、『[VPN 3000 コンセントレータの接続の問題のトラブルシューティング](#)』を参照してください。debug コマンドを発行する前に、『[debug コマンドに関する重要な情報](#)』を参照してください。

1 08/07/2002 13:27:13.970 SEV=7 IPSECDBG/10 RPT=4
IPSEC ipsec_output() can call key_acquire() because 590 seconds have elapsed since last IKE negotiation began (src 0x0e265065, dst 0x01b99224)

3 08/07/2002 13:27:13.970 SEV=7 IPSECDBG/14 RPT=5
Sending KEY_ACQUIRE to IKE for src 14.38.80.101, dst 14.38.200.3

4 08/07/2002 13:27:13.970 SEV=8 IKEDBG/0 RPT=52300
pitcher: received a key acquire message!

5 08/07/2002 13:27:13.970 SEV=4 IKE/41 RPT=5 172.18.124.131
IKE Initiator: New Phase 1, Intf 2, IKE Peer 172.18.124.131
local Proxy Address 14.38.80.0, remote Proxy Address 14.38.200.0,
SA (L2L: VPN TUNNEL)

8 08/07/2002 13:27:13.970 SEV=9 IKEDBG/0 RPT=52301 172.18.124.131
constructing ISA_SA for isakmp

9 08/07/2002 13:27:13.970 SEV=9 IKEDBG/46 RPT=26 172.18.124.131
constructing Fragmentation VID + extended capabilities payload

10 08/07/2002 13:27:13.970 SEV=8 IKEDBG/0 RPT=52302 172.18.124.131
SENDING Message (msgid=0) with payloads :
HDR + SA (1) + VENDOR (13) ... total length : 108

12 08/07/2002 13:27:13.970 SEV=8 IKEDBG/0 RPT=52303 172.18.124.131
RECEIVED Message (msgid=0) with payloads :
HDR + SA (1) + VENDOR (13) + NONE (0) ... total length : 108

14 08/07/2002 13:27:13.970 SEV=8 IKEDBG/0 RPT=52304 172.18.124.131
RECEIVED Message (msgid=0) with payloads :
HDR + SA (1) + VENDOR (13) + NONE (0) ... total length : 108

16 08/07/2002 13:27:13.970 SEV=9 IKEDBG/0 RPT=52305 172.18.124.131
processing SA payload

17 08/07/2002 13:27:13.970 SEV=7 IKEDBG/0 RPT=52306 172.18.124.131
Oakley proposal is acceptable

18 08/07/2002 13:27:13.970 SEV=9 IKEDBG/47 RPT=31 172.18.124.131

processing VID payload

19 08/07/2002 13:27:13.970 SEV=9 IKEDBG/49 RPT=26 172.18.124.131
Received Fragmentation VID

20 08/07/2002 13:27:13.970 SEV=5 IKEDBG/64 RPT=7 172.18.124.131
IKE Peer included IKE fragmentation capability flags:
Main Mode: True
Aggressive Mode: True

22 08/07/2002 13:27:13.970 SEV=9 IKEDBG/0 RPT=52307 172.18.124.131
constructing ke payload

23 08/07/2002 13:27:13.970 SEV=9 IKEDBG/1 RPT=70 172.18.124.131
constructing nonce payload

24 08/07/2002 13:27:13.970 SEV=9 IKEDBG/46 RPT=27 172.18.124.131
constructing Cisco Unity VID payload

25 08/07/2002 13:27:13.970 SEV=9 IKEDBG/46 RPT=28 172.18.124.131
constructing xauth V6 VID payload

26 08/07/2002 13:27:13.970 SEV=9 IKEDBG/48 RPT=11 172.18.124.131
Send IOS VID

27 08/07/2002 13:27:13.970 SEV=9 IKEDBG/38 RPT=11 172.18.124.131
Constructing VPN 3000 spoofing IOS Vendor ID payload (version: 1.0.0, capabilities: 20000001)

29 08/07/2002 13:27:13.970 SEV=9 IKEDBG/46 RPT=29 172.18.124.131
constructing VID payload

30 08/07/2002 13:27:13.970 SEV=9 IKEDBG/48 RPT=12 172.18.124.131
Send Altiga GW VID

31 08/07/2002 13:27:13.970 SEV=8 IKEDBG/0 RPT=52308 172.18.124.131
SENDING Message (msgid=0) with payloads :
HDR + KE (4) + NONCE (10) ... total length : 256

33 08/07/2002 13:27:14.010 SEV=8 IKEDBG/0 RPT=52309 172.18.124.131
RECEIVED Message (msgid=0) with payloads :
HDR + KE (4) + NONCE (10) + VENDOR (13) + VENDOR (13) + VENDOR (13) + VENDOR (13)
) + NONE (0) ... total length : 256

36 08/07/2002 13:27:14.010 SEV=8 IKEDBG/0 RPT=52310 172.18.124.131
RECEIVED Message (msgid=0) with payloads :
HDR + KE (4) + NONCE (10) + VENDOR (13) + VENDOR (13) + VENDOR (13) + VENDOR (13)
) + NONE (0) ... total length : 256

39 08/07/2002 13:27:14.010 SEV=9 IKEDBG/0 RPT=52311 172.18.124.131
processing ke payload

40 08/07/2002 13:27:14.010 SEV=9 IKEDBG/0 RPT=52312 172.18.124.131
processing ISA_KE

41 08/07/2002 13:27:14.010 SEV=9 IKEDBG/1 RPT=71 172.18.124.131
processing nonce payload

42 08/07/2002 13:27:14.010 SEV=9 IKEDBG/47 RPT=32 172.18.124.131
processing VID payload

43 08/07/2002 13:27:14.010 SEV=9 IKEDBG/49 RPT=27 172.18.124.131
Received Cisco Unity client VID

44 08/07/2002 13:27:14.010 SEV=9 IKEDBG/47 RPT=33 172.18.124.131
processing VID payload

45 08/07/2002 13:27:14.010 SEV=9 IKEDBG/49 RPT=28 172.18.124.131
Received xauth V6 VID

46 08/07/2002 13:27:14.010 SEV=9 IKEDBG/47 RPT=34 172.18.124.131
processing VID payload

47 08/07/2002 13:27:14.010 SEV=9 IKEDBG/38 RPT=12 172.18.124.131
Processing VPN 3000 spoofing IOS Vendor ID payload (version: 1.0.0, capabilities
: 20000001)

49 08/07/2002 13:27:14.010 SEV=9 IKEDBG/47 RPT=35 172.18.124.131
processing VID payload

50 08/07/2002 13:27:14.010 SEV=9 IKEDBG/49 RPT=29 172.18.124.131
Received Altiga GW VID

51 08/07/2002 13:27:14.040 SEV=9 IKEDBG/0 RPT=52313 172.18.124.131
Generating keys for Initiator...

52 08/07/2002 13:27:14.040 SEV=9 IKEDBG/1 RPT=72 172.18.124.131
Group [172.18.124.131]
constructing ID

53 08/07/2002 13:27:14.040 SEV=9 IKEDBG/0 RPT=52314
Group [172.18.124.131]
construct hash payload

54 08/07/2002 13:27:14.040 SEV=9 IKEDBG/0 RPT=52315 172.18.124.131
Group [172.18.124.131]
computing hash

55 08/07/2002 13:27:14.040 SEV=9 IKEDBG/34 RPT=11 172.18.124.131
Constructing IOS keep alive payload: proposal=32767/32767 sec.

56 08/07/2002 13:27:14.040 SEV=9 IKEDBG/46 RPT=30 172.18.124.131
Group [172.18.124.131]
constructing dpd vid payload

57 08/07/2002 13:27:14.040 SEV=8 IKEDBG/0 RPT=52316 172.18.124.131
SENDING Message (msgid=0) with payloads :
HDR + ID (5) + HASH (8) ... total length : 92

59 08/07/2002 13:27:14.140 SEV=8 IKEDBG/0 RPT=52317 172.18.124.131
RECEIVED Message (msgid=0) with payloads :
HDR + ID (5) + HASH (8) + IOS KEEPALIVE (14) + VENDOR (13) + NONE (0) ... total
length : 92

62 08/07/2002 13:27:14.140 SEV=9 IKEDBG/1 RPT=73 172.18.124.131
Group [172.18.124.131]
Processing ID

63 08/07/2002 13:27:14.140 SEV=9 IKEDBG/0 RPT=52318 172.18.124.131
Group [172.18.124.131]
processing hash

64 08/07/2002 13:27:14.140 SEV=9 IKEDBG/0 RPT=52319 172.18.124.131
Group [172.18.124.131]

computing hash

65 08/07/2002 13:27:14.140 SEV=9 IKEDBG/34 RPT=12 172.18.124.131
Processing IOS keep alive payload: proposal=32767/32767 sec.

66 08/07/2002 13:27:14.140 SEV=9 IKEDBG/47 RPT=36 172.18.124.131
Group [172.18.124.131]
processing VID payload

67 08/07/2002 13:27:14.140 SEV=9 IKEDBG/49 RPT=30 172.18.124.131
Group [172.18.124.131]
Received DPD VID

68 08/07/2002 13:27:14.140 SEV=9 IKEDBG/23 RPT=6 172.18.124.131
Group [172.18.124.131]
Starting group lookup for peer 172.18.124.131

69 08/07/2002 13:27:14.140 SEV=8 AUTHDBG/1 RPT=2
AUTH_Open() returns 6

70 08/07/2002 13:27:14.140 SEV=7 AUTH/12 RPT=2
Authentication session opened: handle = 6

71 08/07/2002 13:27:14.150 SEV=8 AUTHDBG/3 RPT=2
AUTH_PutAttrTable(6, 8c6274)

72 08/07/2002 13:27:14.150 SEV=8 AUTHDBG/6 RPT=2
AUTH_GroupAuthenticate(6, 50097dc, 599818)

73 08/07/2002 13:27:14.150 SEV=8 AUTHDBG/59 RPT=2
AUTH_BindServer(9a05c60, 0, 0)

74 08/07/2002 13:27:14.150 SEV=9 AUTHDBG/69 RPT=2
Auth Server 15dd704 has been bound to ACB 9a05c60, sessions = 1

75 08/07/2002 13:27:14.150 SEV=8 AUTHDBG/65 RPT=2
AUTH_CreateTimer(9a05c60, 0, 0)

76 08/07/2002 13:27:14.150 SEV=9 AUTHDBG/72 RPT=2
Reply timer created: handle = 4F0019

77 08/07/2002 13:27:14.150 SEV=8 AUTHDBG/179 RPT=2
AUTH_SyncToServer(9a05c60, 0, 0)

78 08/07/2002 13:27:14.150 SEV=8 AUTHDBG/180 RPT=2
AUTH_SendLockReq(9a05c60, 0, 0)

79 08/07/2002 13:27:14.150 SEV=8 AUTHDBG/61 RPT=2
AUTH_BuildMsg(9a05c60, 0, 0)

80 08/07/2002 13:27:14.150 SEV=8 AUTHDBG/64 RPT=2
AUTH_StartTimer(9a05c60, 0, 0)

81 08/07/2002 13:27:14.150 SEV=9 AUTHDBG/73 RPT=2
Reply timer started: handle = 4F0019, timestamp = 17231134, timeout = 30000

82 08/07/2002 13:27:14.150 SEV=8 AUTHDBG/62 RPT=2
AUTH_SndRequest(9a05c60, 0, 0)

83 08/07/2002 13:27:14.150 SEV=8 AUTHDBG/50 RPT=3
IntDB_Decode(62ea4f8, 149)

84 08/07/2002 13:27:14.150 SEV=8 AUTHDBG/47 RPT=3
IntDB_Xmt(9a05c60)

85 08/07/2002 13:27:14.150 SEV=9 AUTHDBG/71 RPT=2
xmit_cnt = 1

86 08/07/2002 13:27:14.150 SEV=8 AUTHDBG/47 RPT=4
IntDB_Xmt(9a05c60)

87 08/07/2002 13:27:14.250 SEV=8 AUTHDBG/49 RPT=2
IntDB_Match(9a05c60, 9a09658)

88 08/07/2002 13:27:14.250 SEV=8 AUTHDBG/63 RPT=2
AUTH_RcvReply(9a05c60, 0, 0)

89 08/07/2002 13:27:14.250 SEV=8 AUTHDBG/50 RPT=4
IntDB_Decode(9a09658, 636)

90 08/07/2002 13:27:14.250 SEV=8 AUTHDBG/48 RPT=2
IntDB_Rcv(9a05c60)

91 08/07/2002 13:27:14.250 SEV=8 AUTHDBG/66 RPT=2
AUTH_DeleteTimer(9a05c60, 0, 0)

92 08/07/2002 13:27:14.250 SEV=9 AUTHDBG/74 RPT=2
Reply timer stopped: handle = 4F0019, timestamp = 17231144

93 08/07/2002 13:27:14.250 SEV=8 AUTHDBG/58 RPT=2
AUTH_Callback(9a05c60, 0, 0)

94 08/07/2002 13:27:14.250 SEV=6 AUTH/41 RPT=2 172.18.124.131
Authentication successful: handle = 6, server = Internal, group = 172.18.124.131

95 08/07/2002 13:27:14.250 SEV=7 IKEDBG/0 RPT=52320 172.18.124.131
Group [172.18.124.131]
Found Phase 1 Group (172.18.124.131)

96 08/07/2002 13:27:14.250 SEV=8 AUTHDBG/4 RPT=2
AUTH_GetAttrTable(6, 8c6520)

97 08/07/2002 13:27:14.250 SEV=7 IKEDBG/14 RPT=6 172.18.124.131
Group [172.18.124.131]
Authentication configured for Internal

98 08/07/2002 13:27:14.250 SEV=8 AUTHDBG/2 RPT=2
AUTH_Close(6)

99 08/07/2002 13:27:14.250 SEV=9 IKEDBG/0 RPT=52321 172.18.124.131
Group [172.18.124.131]
Oakley begin quick mode

100 08/07/2002 13:27:14.250 SEV=4 IKE/119 RPT=7 172.18.124.131
Group [172.18.124.131]
PHASE 1 COMPLETED

101 08/07/2002 13:27:14.250 SEV=6 IKE/121 RPT=6 172.18.124.131
Keep-alive type for this connection: DPD

102 08/07/2002 13:27:14.250 SEV=7 IKEDBG/0 RPT=52322 172.18.124.131
Group [172.18.124.131]
Starting phase 1 rekey timer: 82080000 (ms)

103 08/07/2002 13:27:14.250 SEV=4 AUTH/22 RPT=27
User 172.18.124.131 connected

104 08/07/2002 13:27:14.250 SEV=9 IPSECDBG/6 RPT=36

IPSEC key message parse - msgtype 6, len 208, vers 1, pid 00000000, seq 9, err 0
, type 2, mode 0, state 32, label 0, pad 0, spi 00000000, encrKeyLen 0, hashKeyLen 0, ivlen 0, alg 0, hmacAlg 0, lifetype 0, lifetime1 21, lifetime2 0, dsId 300

107 08/07/2002 13:27:14.250 SEV=9 IPSECDBG/1 RPT=135
Processing KEY_GETSPI msg!

108 08/07/2002 13:27:14.250 SEV=7 IPSECDBG/13 RPT=8
Reserved SPI 651287217

109 08/07/2002 13:27:14.250 SEV=8 IKEDBG/6 RPT=8
IKE got SPI from key engine: SPI = 0x26d1dab1

110 08/07/2002 13:27:14.250 SEV=9 IKEDBG/0 RPT=52323 172.18.124.131
Group [172.18.124.131]
oakley constructing quick mode

111 08/07/2002 13:27:14.250 SEV=9 IKEDBG/0 RPT=52324 172.18.124.131
Group [172.18.124.131]
constructing blank hash

112 08/07/2002 13:27:14.250 SEV=9 IKEDBG/0 RPT=52325 172.18.124.131
Group [172.18.124.131]
constructing ISA_SA for ipsec

113 08/07/2002 13:27:14.250 SEV=9 IKEDBG/1 RPT=74 172.18.124.131
Group [172.18.124.131]
constructing ipsec nonce payload

114 08/07/2002 13:27:14.250 SEV=9 IKEDBG/1 RPT=75 172.18.124.131
Group [172.18.124.131]
constructing proxy ID

**115 08/07/2002 13:27:14.250 SEV=7 IKEDBG/0 RPT=52326 172.18.124.131
Group [172.18.124.131]**

Transmitting Proxy Id:

**Local subnet: 14.38.80.0 mask 255.255.255.0 Protocol 0 Port 0
Remote subnet: 14.38.200.0 Mask 255.255.255.0 Protocol 0 Port 0**

119 08/07/2002 13:27:14.250 SEV=9 IKEDBG/0 RPT=52327 172.18.124.131
Group [172.18.124.131]
constructing qm hash

120 08/07/2002 13:27:14.250 SEV=8 IKEDBG/0 RPT=52328 172.18.124.131
SENDING Message (msgid=201d0d40) with payloads :
HDR + HASH (8) + SA (1) ... total length : 180

122 08/07/2002 13:27:14.250 SEV=8 AUTHDBG/60 RPT=2
AUTH_UnbindServer(9a05c60, 0, 0)

123 08/07/2002 13:27:14.250 SEV=9 AUTHDBG/70 RPT=2
Auth Server 15dd704 has been unbound from ACB 9a05c60, sessions = 0

124 08/07/2002 13:27:14.250 SEV=8 AUTHDBG/10 RPT=2
AUTH_Int_FreeAuthCB(9a05c60)

125 08/07/2002 13:27:14.250 SEV=7 AUTH/13 RPT=2
Authentication session closed: handle = 6

126 08/07/2002 13:27:14.250 SEV=8 IKEDBG/0 RPT=52329 172.18.124.131
RECEIVED Message (msgid=201d0d40) with payloads :
HDR + HASH (8) + SA (1) + NONCE (10) + ID (5) + ID (5) + NONE (0) ... total length : 152

129 08/07/2002 13:27:14.250 SEV=9 IKEDBG/0 RPT=52330 172.18.124.131
Group [172.18.124.131]
processing hash

130 08/07/2002 13:27:14.250 SEV=9 IKEDBG/0 RPT=52331 172.18.124.131
Group [172.18.124.131]
processing SA payload

131 08/07/2002 13:27:14.250 SEV=9 IKEDBG/1 RPT=76 172.18.124.131
Group [172.18.124.131]
processing nonce payload

132 08/07/2002 13:27:14.250 SEV=9 IKEDBG/1 RPT=77 172.18.124.131
Group [172.18.124.131]
Processing ID

133 08/07/2002 13:27:14.250 SEV=9 IKEDBG/1 RPT=78 172.18.124.131
Group [172.18.124.131]
Processing ID

134 08/07/2002 13:27:14.250 SEV=9 IKEDBG/0 RPT=52332 172.18.124.131
Group [172.18.124.131]
loading all IPSEC SAs

135 08/07/2002 13:27:14.250 SEV=9 IKEDBG/1 RPT=79 172.18.124.131
Group [172.18.124.131]
Generating Quick Mode Key!

136 08/07/2002 13:27:14.260 SEV=9 IKEDBG/1 RPT=80 172.18.124.131
Group [172.18.124.131]
Generating Quick Mode Key!

137 08/07/2002 13:27:14.260 SEV=7 IKEDBG/0 RPT=52333 172.18.124.131
Group [172.18.124.131]
Loading subnet:
Dst: 14.38.200.0 mask: 255.255.255.0
Src: 14.38.80.0 mask: 255.255.255.0

140 08/07/2002 13:27:14.260 SEV=4 IKE/49 RPT=9 172.18.124.131
Group [172.18.124.131]
Security negotiation complete for LAN-to-LAN Group (172.18.124.131)
Initiator, Inbound SPI = 0x26d1dab1, Outbound SPI = 0x2f285111

143 08/07/2002 13:27:14.260 SEV=9 IKEDBG/0 RPT=52334 172.18.124.131
Group [172.18.124.131]
oakley constructing final quick mode

144 08/07/2002 13:27:14.260 SEV=8 IKEDBG/0 RPT=52335 172.18.124.131
SENDING Message (msgid=201d0d40) with payloads :
HDR + HASH (8) + NONE (0) ... total length : 72

146 08/07/2002 13:27:14.260 SEV=9 IPSECDBG/6 RPT=37
IPSEC key message parse - msgtype 1, len 622, vers 1, pid 00000000, seq 0, err 0
, type 2, mode 1, state 64, label 0, pad 0, spi 2f285111, encrKeyLen 24, hashKey
Len 16, ivlen 8, alg 2, hmacAlg 3, lifetype 0, lifetime1 21, lifetime2 0, dsId 0

149 08/07/2002 13:27:14.260 SEV=9 IPSECDBG/1 RPT=136
Processing KEY_ADD msg!

150 08/07/2002 13:27:14.260 SEV=9 IPSECDBG/1 RPT=137
key_msghdr2secassoc(): Enter

151 08/07/2002 13:27:14.260 SEV=7 IPSECDBG/1 RPT=138
No USER filter configured

152 08/07/2002 13:27:14.260 SEV=9 IPSECDBG/1 RPT=139
KeyProcessAdd: Enter

153 08/07/2002 13:27:14.260 SEV=8 IPSECDBG/1 RPT=140
KeyProcessAdd: Adding outbound SA

154 08/07/2002 13:27:14.260 SEV=8 IPSECDBG/1 RPT=141
KeyProcessAdd: src 14.38.80.0 mask 0.0.0.255, dst 14.38.200.0 mask 0.0.0.255

155 08/07/2002 13:27:14.260 SEV=8 IPSECDBG/1 RPT=142
KeyProcessAdd: FilterIpssecAddIkeSa success

156 08/07/2002 13:27:14.260 SEV=9 IPSECDBG/6 RPT=38
IPSEC key message parse - msgtype 3, len 335, vers 1, pid 00000000, seq 0, err 0
, type 2, mode 1, state 32, label 0, pad 0, spi 26d1dab1, encrKeyLen 24, hashKey
Len 16, ivlen 8, alg 2, hmacAlg 3, lifetype 0, lifetime1 21, lifetime2 0, dsId 0

159 08/07/2002 13:27:14.260 SEV=9 IPSECDBG/1 RPT=143
Processing KEY_UPDATE msg!

160 08/07/2002 13:27:14.260 SEV=9 IPSECDBG/1 RPT=144
Update inbound SA addresses

161 08/07/2002 13:27:14.260 SEV=9 IPSECDBG/1 RPT=145
key_msghdr2secassoc(): Enter

162 08/07/2002 13:27:14.260 SEV=7 IPSECDBG/1 RPT=146
No USER filter configured

163 08/07/2002 13:27:14.260 SEV=9 IPSECDBG/1 RPT=147
KeyProcessUpdate: Enter

164 08/07/2002 13:27:14.260 SEV=8 IPSECDBG/1 RPT=148
KeyProcessUpdate: success

165 08/07/2002 13:27:14.260 SEV=8 IKEDBG/7 RPT=8
IKE got a KEY_ADD msg for SA: SPI = 0x2f285111

166 08/07/2002 13:27:14.260 SEV=8 IKEDBG/0 RPT=52336
pitcher: rcv KEY_UPDATE, spi 0x26d1dab1

167 08/07/2002 13:27:14.260 SEV=4 IKE/120 RPT=9 172.18.124.131
Group [172.18.124.131]
PHASE 2 COMPLETED (msgid=201d0d40)

168 08/07/2002 13:27:15.970 SEV=7 IPSECDBG/1 RPT=149
IPSec Inbound SA has received data!

169 08/07/2002 13:27:15.970 SEV=8 IKEDBG/0 RPT=52337
pitcher: rcv KEY_SA_ACTIVE spi 0x26d1dab1

170 08/07/2002 13:27:15.970 SEV=8 IKEDBG/0 RPT=52338
KEY_SA_ACTIVE no old rekey centry found with new spi 0x26d1dab1, mess_id 0x0

関連情報

- [Cisco VPN 3000 シリーズ コンセントレータに関するサポート ページ](#)
- [Cisco VPN 3000 シリーズ クライアントに関するサポート ページ](#)
- [IPSec に関するサポート ページ](#)
- [テクニカルサポート - Cisco Systems](#)