

Configurando el IPSec sobre el TCP en un Concentrador VPN 3000 de Cisco con cliente VPN versión 3.5 y posterior

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Introducción

Este documento describe cómo configurar la seguridad IP (IPSec) sobre el Transmission Control Protocol (TCP). Esto permite a un cliente VPN para actuar en un entorno en el cual el protocolo encapsulating security estándar (ESP, el protocolo 50) o el intercambio de claves de Internet (IKE, el User Datagram Protocol (UDP) 500) no puede funcionar, o pueda funcionar solamente con la modificación a las reglas de firewall existentes. El IPSec sobre el TCP encapsula el IKE y los Protocolos IPSec dentro de un paquete TCP, y habilita el Tunelización seguro con el Network Address Translation (NAT) y los dispositivos y los Firewall del Port Address Translation (PAT).

Nota: El IPSec sobre el TCP no trabaja con los Firewall proxy-basados.

El IPSec sobre el TCP trabaja con el cliente del software VPN y el VPN 3002 Hardware Client. Es un cliente a la característica del concentrador solamente. No trabaja para las conexiones de LAN a LAN.

El concentrador VPN 3000 puede soportar simultáneamente el IPSec estándar, el IPSec sobre el TCP, y el IPSec sobre el UDP, sobre la base del cliente con quien él los datos de intercambios.

El VPN 3002 Hardware Client, que soporta un en un momento del túnel, puede conectar con el IPSec estándar, el IPSec sobre el TCP, o el IPSec sobre el UDP.

prerrequisitos

[Requisitos](#)

La interfaz pública del concentrador VPN 3000 debe ser configurada. El IPSec sobre el TCP se soporta solamente en la interfaz pública en los Ethernetes 2. refiere a los [Release Note del Cliente Cisco VPN](#) para más información.

[Componentes Utilizados](#)

La información que contiene este documento se basa en las siguientes versiones de software y hardware.

- Versión 3.5 o posterior concentradora VPN 3000
- Versión 3.5 o posterior del cliente VPN

La información que contiene este documento se creó a partir de los dispositivos en un ambiente de laboratorio específico. Todos los dispositivos que se utilizan en este documento se pusieron en funcionamiento con una configuración verificada (predeterminada). Si la red está funcionando, asegúrese de haber comprendido el impacto que puede tener cualquier comando.

[Convenciones](#)

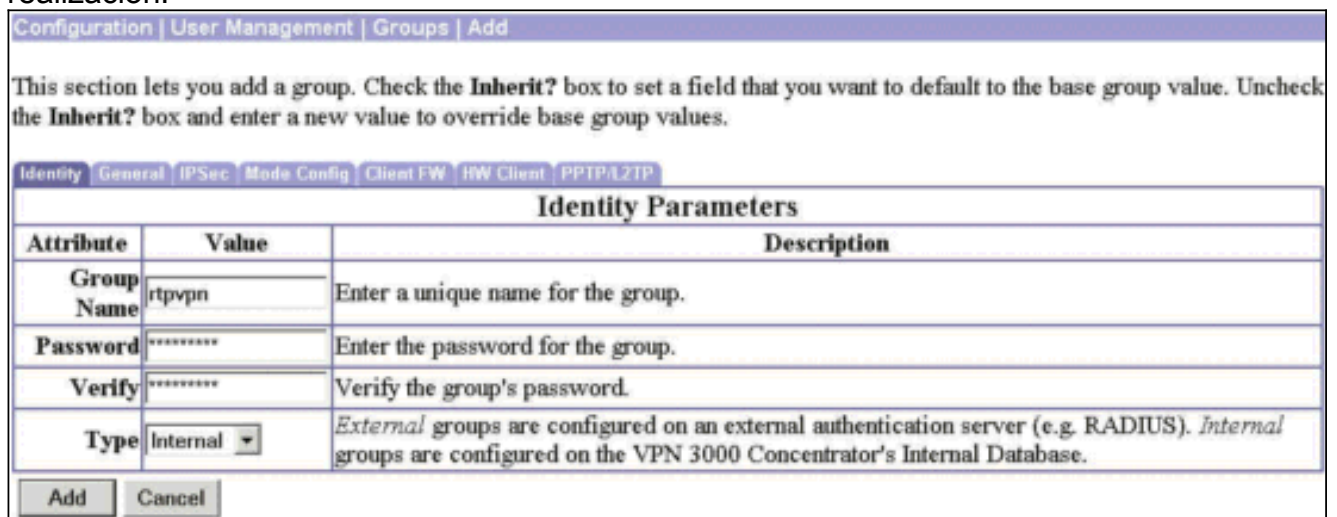
Para obtener más información sobre las convenciones del documento, consulte las [Convenciones de Consejos Técnicos de Cisco](#).

[Configurar el concentrador VPN 3000](#)

[Instrucciones Paso a Paso](#)

Complete estos pasos para configurar el concentrador VPN 3000.

1. Vaya al **grupo del Configuration (Configuración) > User Management (Administración del usuario) > Groups (Grupos) > Add (Agregar)** y cree un nombre del grupo y una contraseña en el concentrador VPN. El teclado **agrega** sobre la realización.



The screenshot shows the 'Add' page in the 'Groups' section of the User Management configuration. It includes a table for 'Identity Parameters' with fields for Group Name, Password, Verify, and Type. The 'Group Name' is 'rtpvpn', 'Password' and 'Verify' are masked with asterisks, and 'Type' is set to 'Internal'. There are 'Add' and 'Cancel' buttons at the bottom.

Attribute	Value	Description
Group Name	rtpvpn	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.

2. Si a los usuarios en las versiones del cliente VPN está utilizando al mismo grupo anterior de 3.5, o si usted está utilizando el IPSec sobre el UDP en el cliente VPN, después seleccione

el IPsec sobre el UDP conforme a la ficha de configuración del cliente.

Client Configuration Parameters			
Cisco Client Parameters			
Attribute	Value	Inherit?	Description
Allow Password Storage on Client	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Check to allow the IPsec client to store the password locally.
IPsec over UDP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Check to allow a client to operate through a NAT device using UDP encapsulation of ESP.
IPsec over UDP Port	10000	<input checked="" type="checkbox"/>	Enter the UDP port to be used for IPsec through NAT (4001 - 49151, except port 4300, which is reserved for NAT-T).
IPsec Backup Servers	Use Client Configured List	<input checked="" type="checkbox"/>	<ul style="list-style-type: none"> Select a method to use or disable backup servers. Enter up to 10 IPsec backup server addresses/names starting from high priority to low. Enter each IPsec backup server address/name on a single line.
Microsoft Client Parameters			
Intercept DHCP Configure Message	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Check to use group policy for clients requesting Microsoft DHCP options.
Subnet Mask	255.255.255.255	<input checked="" type="checkbox"/>	Enter the subnet mask for clients requesting Microsoft DHCP options.

3. Vaya al **Configuration (Configuración) > User Management (Administración de usuarios) > Users (Usuarios) > Modify esupport (Modificar esupport)**. Si usted está utilizando la autenticación interna, cree a un usuario para autenticar al grupo. Entonces asigne al usuario a ese grupo.

Configuration | User Management | Users | Modify esupport

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

Identity Parameters		
Attribute	Value	Description
User Name	esupport	Enter a unique user name.
Password	*****	Enter the user's password. The password must satisfy the group password requirements.
Verify	*****	Verify the user's password.
Group	rtvpn	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.

Apply Cancel

4. Vaya a la **configuración > al Tunelización y a la Seguridad > a la Transparencia NAT** y seleccione el **IPsec sobre la opción TCP** Ingrese hasta 10 puertos, usando una coma para separar los puertos. Usted no necesita utilizar los espacios. El puerto predeterminado es 10,000. El rango es 1 a 65,635. Si usted ingresa un puerto conocido (tal como puerto 80 (HTTP) o puerto 443 (HTTPS)), el sistema visualiza una advertencia que el protocolo asociado a ese puerto trabaje no más en la interfaz pública. La consecuencia es que usted puede utilizar no más a un navegador para manejar el concentrador VPN 3000 a través de la interfaz pública. Para solucionar este problema, configure de nuevo la Administración HTTP/HTTPS a diversos puertos. Usted debe configurar el puerto TCP en el cliente VPN así como en el concentrador VPN. La configuración del cliente debe incluir por lo menos uno de

los puertos que usted fija para el concentrador VPN aquí.

Configuration | System | Tunneling Protocols | IPsec | IPsec over TCP

This section lets you configure system-wide IPsec over TCP operation.

Enabled

TCP Port(s) Enter up to 10 comma-separated TCP ports (1 - 65535).

[Configure el cliente VPN](#)

Complete estos pasos para configurar al cliente VPN.

1. Vaya al **Options (Opciones) > Properties (Propiedades)**. Conforme a la ficha general, marque el **Tunelización transparente del permiso** y elija el **IPsec del uso sobre TCP**

Properties for 05-RTP

General | Authentication | Connections

Enter a description of this connection entry (optional):

Enable Transparent Tunneling

Allow IPsec over UDP (NAT/PAT)

Use IPsec over TCP (NAT/PAT/Firewall)

TCP port:

Allow local LAN access

Peer response timeout: (30 - 480 seconds)

(NAT/PAT/Firewall).

2. Bajo lenguaeta de la autenticación, configure un nombre del grupo y una contraseña en el

Properties for LAB_2

General Authentication Connections

Your administrator may have provided you with group parameters or a digital certificate to authenticate your access to the remote server. If so, select the appropriate authentication method and complete your entries.

Group Access Information

Name:

Password:

Confirm Password:

Certificate

Name:

Send CA Certificate Chain

OK Cancel Help

cliente.

[Verifique las conexiones en el concentrador VPN 3000](#)

El área del **Monitoring (Monitoreo) > Sessions (Sesiones)** en el concentrador VPN 3000 verifica la conexión de usuarios con el mismo grupo para el IPSec sobre el TCP y el IPSec sobre el UDP.

Monitoring | Sessions Wednesday, 05 December 2001 10:39:01
Reset Refresh

This screen shows statistics for sessions. To refresh the statistics, click **Refresh**. Select a **Group** to filter the sessions. For more information on a session, click on that session's name.

Group

Session Summary

Active LAN-to-LAN Sessions	Active Remote Access Sessions	Active Management Sessions	Total Active Sessions	Peak Concurrent Sessions	Concurrent Sessions Limit	Total Cumulative Sessions
0	2	1	3	3	20	26

LAN-to-LAN Sessions [Remote Access Sessions | Management Sessions]

Connection Name	IP Address	Protocol	Encryption	Login Time	Duration	Bytes Tx	Bytes Rx
No LAN-to-LAN Sessions							

Remote Access Sessions [LAN-to-LAN Sessions | Management Sessions]

Username	Group	Public IP Address	Assigned IP Address	Protocol	Encryption	Login Time	Duration	Bytes Tx	Bytes Rx
esupport	rtpvpn	64.102.55.209	172.18.124.217	IPSec/UDP	3DES-168	Dec 05 10:38:06	0:00:58	22416	1536
esupporttcp	rtpvpn	172.18.124.241	172.18.124.218	IPSec/TCP	3DES-168	Dec 05 10:39:02	0:00:02	64	72

Troubleshooting

En esta sección encontrará información que puede utilizar para solucionar problemas de configuración.

Comandos para resolución de problemas

La herramienta [Output Interpreter](#) (sólo para clientes [registrados](#)) permite utilizar algunos comandos "show" y ver un análisis del resultado de estos comandos.

Nota: Antes de ejecutar un comando debug, consulte Información Importante sobre Comandos Debug.

Habilite los debugs para el AUTH, AUTHDBG, AUTHDECODE, IKE, IKEDBG, IKEDECODE, IPSEC, IPSECDBG, IPSECDECODE para los niveles 1 a 13 bajo el Configuration (Configuración) > System (Sistema) > Events (Eventos) > Classes (Clases).

```
1203 12/05/2001 11:40:54.220 SEV=9 IKEDBG/0 RPT=5347 172.18.124.241
Group [rtpvpn] User [esupporttcp]
processing SA payload
```

```
1204 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5035 172.18.124.241
SA Payload Decode :
DOI : IPSEC (1)
Situation : Identity Only (1)
Length : 696
```

```
1207 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5036 172.18.124.241
Proposal Decode:
Proposal # : 1
Protocol ID : ESP (3)
#of Transforms: 1
Spi : 98 79 D2 38
Length : 40
```

1211 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5037 172.18.124.241
Transform # 1 Decode for Proposal # 1:
Transform # : 1
Transform ID : Triple-DES (3)
Length : 28

1213 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5038 172.18.124.241
Phase 2 SA Attribute Decode for Transform # 1:
HMAC Algorithm: MD5 (1)
Encapsulation : Tunnel (1)
Life Time : 2147483 seconds

1216 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5039 172.18.124.241
Proposal Decode:
Proposal # : 1
Protocol ID : IPCOMP (4)
#of Transforms: 1
Spi : 5D 82
Length : 34

1220 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5040 172.18.124.241
Transform # 1 Decode for Proposal # 1:
Transform # : 1
Transform ID : LZS (3)
Length : 24

1222 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5041 172.18.124.241
Phase 2 SA Attribute Decode for Transform # 1:
Encapsulation : Tunnel (1)
Life Time : 2147483 seconds

1224 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5042 172.18.124.241
Proposal Decode:
Proposal # : 2
Protocol ID : ESP (3)
#of Transforms: 1
Spi : 98 79 D2 38
Length : 40

1228 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5043 172.18.124.241
Transform # 1 Decode for Proposal # 2:
Transform # : 1
Transform ID : Triple-DES (3)
Length : 28

1230 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5044 172.18.124.241
Phase 2 SA Attribute Decode for Transform # 1:
HMAC Algorithm: SHA (2)
Encapsulation : Tunnel (1)
Life Time : 2147483 seconds

1233 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5045 172.18.124.241
Proposal Decode:
Proposal # : 2
Protocol ID : IPCOMP (4)
#of Transforms: 1
Spi : D8 44
Length : 34

1237 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5046 172.18.124.241
Transform # 1 Decode for Proposal # 2:
Transform # : 1
Transform ID : LZS (3)

Length : 24

1239 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5047 172.18.124.241
Phase 2 SA Attribute Decode for Transform # 1:
Encapsulation : Tunnel (1)
Life Time : 2147483 seconds

1241 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5048 172.18.124.241
Proposal Decode:
Proposal # : 3
Protocol ID : ESP (3)
#of Transforms: 1
Spi : 98 79 D2 38
Length : 40

1245 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5049 172.18.124.241
Transform # 1 Decode for Proposal # 3:
Transform # : 1
Transform ID : Triple-DES (3)
Length : 28

1247 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5050 172.18.124.241
Phase 2 SA Attribute Decode for Transform # 1:
HMAC Algorithm: MD5 (1)
Encapsulation : Tunnel (1)
Life Time : 2147483 seconds

1250 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5051 172.18.124.241
Proposal Decode:
Proposal # : 4
Protocol ID : ESP (3)
#of Transforms: 1
Spi : 98 79 D2 38
Length : 40

1254 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5052 172.18.124.241
Transform # 1 Decode for Proposal # 4:
Transform # : 1
Transform ID : Triple-DES (3)
Length : 28

1256 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5053 172.18.124.241
Phase 2 SA Attribute Decode for Transform # 1:
HMAC Algorithm: SHA (2)
Encapsulation : Tunnel (1)
Life Time : 2147483 seconds

1259 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5054 172.18.124.241
Proposal Decode:
Proposal # : 5
Protocol ID : ESP (3)
#of Transforms: 1
Spi : 98 79 D2 38
Length : 40

1263 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5055 172.18.124.241
Transform # 1 Decode for Proposal # 5:
Transform # : 1
Transform ID : DES-CBC (2)
Length : 28

1265 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5056 172.18.124.241
Phase 2 SA Attribute Decode for Transform # 1:
HMAC Algorithm: MD5 (1)

Encapsulation : Tunnel (1)
Life Time : 2147483 seconds

1268 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5057 172.18.124.241
Proposal Decode:
Proposal # : 5
Protocol ID : IPCOMP (4)
#of Transforms: 1
Spi : 80 07
Length : 34

1272 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5058 172.18.124.241
Transform # 1 Decode for Proposal # 5:
Transform # : 1
Transform ID : LZS (3)
Length : 24

1274 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5059 172.18.124.241
Phase 2 SA Attribute Decode for Transform # 1:
Encapsulation : Tunnel (1)
Life Time : 2147483 seconds

1276 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5060 172.18.124.241
Proposal Decode:
Proposal # : 6
Protocol ID : ESP (3)
#of Transforms: 1
Spi : 98 79 D2 38
Length : 40

1280 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5061 172.18.124.241
Transform # 1 Decode for Proposal # 6:
Transform # : 1
Transform ID : DES-CBC (2)
Length : 28

1282 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5062 172.18.124.241
Phase 2 SA Attribute Decode for Transform # 1:
HMAC Algorithm: SHA (2)
Encapsulation : Tunnel (1)
Life Time : 2147483 seconds

1285 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5063 172.18.124.241
Proposal Decode:
Proposal # : 6
Protocol ID : IPCOMP (4)
#of Transforms: 1
Spi : 1A D4
Length : 34

1289 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5064 172.18.124.241
Transform # 1 Decode for Proposal # 6:
Transform # : 1
Transform ID : LZS (3)
Length : 24

1291 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5065 172.18.124.241
Phase 2 SA Attribute Decode for Transform # 1:
Encapsulation : Tunnel (1)
Life Time : 2147483 seconds

1293 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5066 172.18.124.241
Proposal Decode:
Proposal # : 7

Protocol ID : ESP (3)
#of Transforms: 1
Spi : 98 79 D2 38
Length : 40

1297 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5067 172.18.124.241
Transform # 1 Decode for Proposal # 7:
Transform # : 1
Transform ID : DES-CBC (2)
Length : 28

1299 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5068 172.18.124.241
Phase 2 SA Attribute Decode for Transform # 1:
HMAC Algorithm: MD5 (1)
Encapsulation : Tunnel (1)
Life Time : 2147483 seconds

1302 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5069 172.18.124.241
Proposal Decode:
Proposal # : 8
Protocol ID : ESP (3)
#of Transforms: 1
Spi : 98 79 D2 38
Length : 40

1306 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5070 172.18.124.241
Transform # 1 Decode for Proposal # 8:
Transform # : 1
Transform ID : DES-CBC (2)
Length : 28

1308 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5071 172.18.124.241
Phase 2 SA Attribute Decode for Transform # 1:
HMAC Algorithm: SHA (2)
Encapsulation : Tunnel (1)
Life Time : 2147483 seconds

1311 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5072 172.18.124.241
Proposal Decode:
Proposal # : 9
Protocol ID : ESP (3)
#of Transforms: 1
Spi : 98 79 D2 38
Length : 40

1315 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5073 172.18.124.241
Transform # 1 Decode for Proposal # 9:
Transform # : 1
Transform ID : NULL (11)
Length : 28

1317 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5074 172.18.124.241
Phase 2 SA Attribute Decode for Transform # 1:
HMAC Algorithm: MD5 (1)
Encapsulation : Tunnel (1)
Life Time : 2147483 seconds

1320 12/05/2001 11:40:54.220 SEV=8 IKEDECODE/0 RPT=5075 172.18.124.241
Proposal Decode:
Proposal # : 9
Protocol ID : IPCOMP (4)
#of Transforms: 1
Spi : 7B 9B
Length : 34

1324 12/05/2001 11:40:54.230 SEV=8 IKEDECODE/0 RPT=5076 172.18.124.241
Transform # 1 Decode for Proposal # 9:
Transform # : 1
Transform ID : LZS (3)
Length : 24

1326 12/05/2001 11:40:54.230 SEV=8 IKEDECODE/0 RPT=5077 172.18.124.241
Phase 2 SA Attribute Decode for Transform # 1:
Encapsulation : Tunnel (1)
Life Time : 2147483 seconds

1328 12/05/2001 11:40:54.230 SEV=8 IKEDECODE/0 RPT=5078 172.18.124.241
Proposal Decode:
Proposal # : 10
Protocol ID : ESP (3)
#of Transforms: 1
Spi : 98 79 D2 38
Length : 40

1332 12/05/2001 11:40:54.230 SEV=8 IKEDECODE/0 RPT=5079 172.18.124.241
Transform # 1 Decode for Proposal # 10:
Transform # : 1
Transform ID : NULL (11)
Length : 28

1334 12/05/2001 11:40:54.230 SEV=8 IKEDECODE/0 RPT=5080 172.18.124.241
Phase 2 SA Attribute Decode for Transform # 1:
HMAC Algorithm: SHA (2)
Encapsulation : Tunnel (1)
Life Time : 2147483 seconds

1337 12/05/2001 11:40:54.230 SEV=8 IKEDECODE/0 RPT=5081 172.18.124.241
Proposal Decode:
Proposal # : 10
Protocol ID : IPCOMP (4)
#of Transforms: 1
Spi : 79 45
Length : 34

1341 12/05/2001 11:40:54.230 SEV=8 IKEDECODE/0 RPT=5082 172.18.124.241
Transform # 1 Decode for Proposal # 10:
Transform # : 1
Transform ID : LZS (3)
Length : 24

1343 12/05/2001 11:40:54.230 SEV=8 IKEDECODE/0 RPT=5083 172.18.124.241
Phase 2 SA Attribute Decode for Transform # 1:
Encapsulation : Tunnel (1)
Life Time : 2147483 seconds

1345 12/05/2001 11:40:54.230 SEV=8 IKEDECODE/0 RPT=5084 172.18.124.241
Proposal Decode:
Proposal # : 11
Protocol ID : ESP (3)
#of Transforms: 1
Spi : 98 79 D2 38
Length : 40

1349 12/05/2001 11:40:54.230 SEV=8 IKEDECODE/0 RPT=5085 172.18.124.241
Transform # 1 Decode for Proposal # 11:
Transform # : 1
Transform ID : NULL (11)
Length : 28

1351 12/05/2001 11:40:54.230 SEV=8 IKEDECODE/0 RPT=5086 172.18.124.241
Phase 2 SA Attribute Decode for Transform # 1:
HMAC Algorithm: MD5 (1)
Encapsulation : Tunnel (1)
Life Time : 2147483 seconds

1354 12/05/2001 11:40:54.230 SEV=8 IKEDECODE/0 RPT=5087 172.18.124.241
Proposal Decode:
Proposal # : 12
Protocol ID : ESP (3)
#of Transforms: 1
Spi : 98 79 D2 38
Length : 40

1358 12/05/2001 11:40:54.230 SEV=8 IKEDECODE/0 RPT=5088 172.18.124.241
Transform # 1 Decode for Proposal # 12:
Transform # : 1
Transform ID : NULL (11)
Length : 28

1360 12/05/2001 11:40:54.230 SEV=8 IKEDECODE/0 RPT=5089 172.18.124.241
Phase 2 SA Attribute Decode for Transform # 1:
HMAC Algorithm: SHA (2)
Encapsulation : Tunnel (1)
Life Time : 2147483 seconds

1363 12/05/2001 11:40:54.230 SEV=9 IKEDBG/1 RPT=666 172.18.124.241
Group [rtpvpn] User [esupporttcp]
processing nonce payload

1364 12/05/2001 11:40:54.230 SEV=9 IKEDBG/1 RPT=667 172.18.124.241
Group [rtpvpn] User [esupporttcp]
Processing ID

1365 12/05/2001 11:40:54.230 SEV=12 IKEDECODE/11 RPT=115
ID_IPV4_ADDR ID received
172.18.124.217

1366 12/05/2001 11:40:54.230 SEV=5 IKE/25 RPT=58 172.18.124.241
Group [rtpvpn] User [esupporttcp]
Received remote Proxy Host data in ID Payload:
Address 172.18.124.217, Protocol 0, Port 0

1369 12/05/2001 11:40:54.230 SEV=9 IKEDBG/1 RPT=668 172.18.124.241
Group [rtpvpn] User [esupporttcp]
Processing ID

1370 12/05/2001 11:40:54.230 SEV=12 IKEDECODE/11 RPT=116
ID_IPV4_ADDR_SUBNET ID received
0.0.0.0
0.0.0.0

1371 12/05/2001 11:40:54.230 SEV=5 IKE/34 RPT=36 172.18.124.241
Group [rtpvpn] User [esupporttcp]
Received local IP Proxy Subnet data in ID Payload:
Address 0.0.0.0, Mask 0.0.0.0, Protocol 0, Port 0

1374 12/05/2001 11:40:54.230 SEV=5 IKE/66 RPT=58 172.18.124.241
Group [rtpvpn] User [esupporttcp]
IKE Remote Peer configured for SA: ESP-3DES-MD5

1376 12/05/2001 11:40:54.230 SEV=9 IKEDBG/0 RPT=5348 172.18.124.241
Group [rtpvpn] User [esupporttcp]

processing IPSEC SA

1377 12/05/2001 11:40:54.230 SEV=12 IKEDECODE/0 RPT=5090
IKE Decode of received SA attributes follows:
0000: 80050001 80040001 80010001 00020004
0010: 0020C49B . . .

1380 12/05/2001 11:40:54.230 SEV=12 IKEDECODE/0 RPT=5091
IKE Decode of received SA attributes follows:
0000: 80050002 80040001 80010001 00020004
0010: 0020C49B . . .

1383 12/05/2001 11:40:54.230 SEV=8 IKEDBG/0 RPT=5349
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

1387 12/05/2001 11:40:54.230 SEV=12 IKEDECODE/0 RPT=5092
IKE Decode of received SA attributes follows:
0000: 80050001 80040001 80010001 00020004
0010: 0020C49B . . .

1390 12/05/2001 11:40:54.230 SEV=7 IKEDBG/27 RPT=58 172.18.124.241
Group [rtpvpn] User [esupporttcp]
IPSec SA Proposal # 3, Transform # 1 acceptable

1392 12/05/2001 11:40:54.230 SEV=7 IKEDBG/0 RPT=5350 172.18.124.241
Group [rtpvpn] User [esupporttcp]
IKE: requesting SPI!

1393 12/05/2001 11:40:54.230 SEV=9 IPSECDBG/6 RPT=282
IPSEC key message parse - msgtype 6, len 200, vers 1, pid 00000000,
seq 58, 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 707832, lifetime2 0, dsId 300

1397 12/05/2001 11:40:54.230 SEV=9 IPSECDBG/1 RPT=1062
Processing KEY_GETSPI msg!

1398 12/05/2001 11:40:54.230 SEV=7 IPSECDBG/13 RPT=58
Reserved SPI 1889854019

1399 12/05/2001 11:40:54.230 SEV=8 IKEDBG/6 RPT=58
IKE got SPI from key engine: SPI = 0x70a4e243

1400 12/05/2001 11:40:54.230 SEV=9 IKEDBG/0 RPT=5351 172.18.124.241
Group [rtpvpn] User [esupporttcp]
oakley constructing quick mode

1401 12/05/2001 11:40:54.230 SEV=9 IKEDBG/0 RPT=5352 172.18.124.241
Group [rtpvpn] User [esupporttcp]
constructing blank hash

1402 12/05/2001 11:40:54.230 SEV=9 IKEDBG/0 RPT=5353 172.18.124.241
Group [rtpvpn] User [esupporttcp]
constructing ISA_SA for ipsec

1403 12/05/2001 11:40:54.230 SEV=9 IKEDBG/1 RPT=669 172.18.124.241
Group [rtpvpn] User [esupporttcp]
constructing ipsec nonce payload

1404 12/05/2001 11:40:54.230 SEV=9 IKEDBG/1 RPT=670 172.18.124.241
Group [rtppvpn] User [esupporttcp]
constructing proxy ID

1405 12/05/2001 11:40:54.230 SEV=7 IKEDBG/0 RPT=5354 172.18.124.241
Group [rtppvpn] User [esupporttcp]
Transmitting Proxy Id:
Remote host: 172.18.124.217 Protocol 0 Port 0
Local subnet: 0.0.0.0 mask 0.0.0.0 Protocol 0 Port 0

1409 12/05/2001 11:40:54.230 SEV=9 IKEDBG/0 RPT=5355 172.18.124.241
Group [rtppvpn] User [esupporttcp]
constructing qm hash

1410 12/05/2001 11:40:54.240 SEV=12 IKEDECODE/5 RPT=58
IKE Responder sending 2nd QM pkt: msg id = f2a6ce35

1411 12/05/2001 11:40:54.240 SEV=8 IKEDBG/0 RPT=5356 172.18.124.241
SENDING Message (msgid=f2a6ce35) with payloads :
HDR + HASH (8) + SA (1) + NONCE (10) + ID (5) + ID (5) + NONE (0)
... total length : 152

1414 12/05/2001 11:40:54.250 SEV=8 IKEDECODE/0 RPT=5093 172.18.124.241
ISAKMP HEADER : (Version 1.0)
Initiator Cookie(8): E7 AC CD 06 A6 74 A7 1A
Responder Cookie(8): 98 3B 37 97 CA 06 BC 18
Next Payload : HASH (8)
Exchange Type : Oakley Quick Mode
Flags : 1 (ENCRYPT)
Message ID : f2a6ce35
Length : 52

1421 12/05/2001 11:40:54.250 SEV=8 IKEDBG/0 RPT=5357 172.18.124.241
RECEIVED Message (msgid=f2a6ce35) with payloads :
HDR + HASH (8) + NONE (0) ... total length : 48

1423 12/05/2001 11:40:54.250 SEV=9 IKEDBG/0 RPT=5358 172.18.124.241
Group [rtppvpn] User [esupporttcp]
processing hash

1424 12/05/2001 11:40:54.250 SEV=9 IKEDBG/0 RPT=5359 172.18.124.241
Group [rtppvpn] User [esupporttcp]
loading all IPSEC SAs

1425 12/05/2001 11:40:54.250 SEV=9 IKEDBG/1 RPT=671 172.18.124.241
Group [rtppvpn] User [esupporttcp]
Generating Quick Mode Key!

1426 12/05/2001 11:40:54.260 SEV=9 IKEDBG/1 RPT=672 172.18.124.241
Group [rtppvpn] User [esupporttcp]
Generating Quick Mode Key!

1427 12/05/2001 11:40:54.260 SEV=7 IKEDBG/0 RPT=5360 172.18.124.241
Group [rtppvpn] User [esupporttcp]
Loading subnet:
Dst: 0.0.0.0 mask: 0.0.0.0
Src: 172.18.124.217

1429 12/05/2001 11:40:54.260 SEV=4 IKE/49 RPT=58 172.18.124.241
Group [rtppvpn] User [esupporttcp]
Security negotiation complete for User (esupporttcp)
Responder, Inbound SPI = 0x70a4e243, Outbound SPI = 0x9879d238

1432 12/05/2001 11:40:54.260 SEV=9 IPSECDBG/6 RPT=283

IPSEC key message parse - msgtype 1, len 620, vers 1, pid 00000000,
seq 0, err 0, type 2, mode 1, state 64, label 0, pad 0,
spi 9879d238, encrKeyLen 24, hashKeyLen 16, ivlen 8, alg 2,
hmacAlg 3, lifetype 0, lifetime1 707832, lifetime2 0, dsId 0

1436 12/05/2001 11:40:54.260 SEV=9 IPSECDBG/1 RPT=1063
Processing KEY_ADD msg!

1437 12/05/2001 11:40:54.260 SEV=9 IPSECDBG/1 RPT=1064
key_msghdr2secassoc(): Enter

1438 12/05/2001 11:40:54.260 SEV=7 IPSECDBG/1 RPT=1065
No USER filter configured

1439 12/05/2001 11:40:54.260 SEV=9 IPSECDBG/1 RPT=1066
KeyProcessAdd: Enter

1440 12/05/2001 11:40:54.260 SEV=8 IPSECDBG/1 RPT=1067
KeyProcessAdd: Adding outbound SA

1441 12/05/2001 11:40:54.260 SEV=8 IPSECDBG/1 RPT=1068
KeyProcessAdd: src 0.0.0.0 mask 255.255.255.255, dst
172.18.124.217 mask 0.0.0.0

1442 12/05/2001 11:40:54.260 SEV=8 IPSECDBG/1 RPT=1069
KeyProcessAdd: FilterIpssecAddIkeSa success

1443 12/05/2001 11:40:54.260 SEV=9 IPSECDBG/6 RPT=284
IPSEC key message parse - msgtype 3, len 334, vers 1, pid 00000000,
seq 0, err 0, type 2, mode 1, state 32, label 0, pad 0,
spi 70a4e243, encrKeyLen 24, hashKeyLen 16, ivlen 8, alg 2,
hmacAlg 3, lifetype 0, lifetime1 707832, lifetime2 0, dsId 0

1447 12/05/2001 11:40:54.260 SEV=9 IPSECDBG/1 RPT=1070
Processing KEY_UPDATE msg!

1448 12/05/2001 11:40:54.260 SEV=9 IPSECDBG/1 RPT=1071
Update inbound SA addresses

1449 12/05/2001 11:40:54.260 SEV=9 IPSECDBG/1 RPT=1072
key_msghdr2secassoc(): Enter

1450 12/05/2001 11:40:54.260 SEV=7 IPSECDBG/1 RPT=1073
No USER filter configured

1451 12/05/2001 11:40:54.260 SEV=9 IPSECDBG/1 RPT=1074
KeyProcessUpdate: Enter

1452 12/05/2001 11:40:54.260 SEV=8 IPSECDBG/1 RPT=1075
KeyProcessUpdate: success

1453 12/05/2001 11:40:54.260 SEV=8 IKEDBG/7 RPT=58
IKE got a KEY_ADD msg for SA: SPI = 0x9879d238

1454 12/05/2001 11:40:54.260 SEV=8 IKEDBG/0 RPT=5361
pitcher: rcv KEY_UPDATE, spi 0x70a4e243

1455 12/05/2001 11:40:54.260 SEV=4 IKE/120 RPT=58
172.18.124.241
Group [rtppvpn] User [esupporttcp]
PHASE 2 COMPLETED (msgid=f2a6ce35)

1456 12/05/2001 11:40:55.120 SEV=7 IPSECDBG/1 RPT=1076
IPSec Inbound SA has received data!

1457 12/05/2001 11:40:55.120 SEV=8 IKEDBG/0 RPT=5362
pitcher: recv KEY_SA_ACTIVE spi 0x709e5f39

1458 12/05/2001 11:40:55.120 SEV=8 IKEDBG/0 RPT=5363
KEY_SA_ACTIVE no old rekey centry found with new spi
0x709e5f39, mess_id 0x0

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