

IOS 路由器：使用网络扩展模式 (NEM) 的 Easy VPN (EzVPN) 配置示例

目录

[简介](#)

[先决条件](#)

[要求](#)

[使用的组件](#)

[规则](#)

[配置](#)

[网络图](#)

[配置](#)

[验证](#)

[Cisco 7200 Easy VPN 服务器 show 命令和示例输出](#)

[Cisco 871W Easy VPN Remote show 命令和示例输出](#)

[故障排除](#)

[Easy VPN 服务器命令](#)

[Easy VPN Remote 命令](#)

[相关信息](#)

简介

本文档提供了使用 Easy VPN (EzVPN) 在 Cisco 871 路由器和 Cisco 7200VXR 路由器之间配置 IPsec 的示例配置。7200 充当 Easy VPN 服务器，871 充当 Easy VPN Remote。在本示例中，环回接口在两个路由器上用作专用网络。可根据需要将这些接口替换为其他接口，例如，FastEthernet 或串行接口。

要使用 Easy VPN 在 PIX/ASA 7.x 和 Cisco 871 路由器之间配置 IPsec，请参阅[将 ASA 5500 用作服务器，将 Cisco 871 用作 Easy VPN Remote 的 PIX/ASA 7.x Easy VPN 配置示例](#)。

要在 Cisco IOS Easy VPN Remote Hardware Client 和 PIX Easy VPN 服务器之间配置 IPsec，请参阅[IOS Easy VPN Remote Hardware Client 到 PIX Easy VPN 服务器配置示例](#)。

要在[网络扩展模式 \(NEM\)](#) 下将 Cisco IOS 路由器配置为连接到 Cisco VPN 3000 集中器的 EzVPN，请参阅[使用 VPN 3000 集中器在 Cisco IOS 上配置 Cisco EzVPN Client](#)。

先决条件

要求

在尝试此配置之前，请确保您基本了解 IPsec 和 Cisco 7200/871 操作系统。

使用的组件

本文档中的信息基于以下软件和硬件版本：

- Cisco Easy VPN 服务器是运行 Cisco IOS® 软件版本 12.4(4)T1 的 7200 路由器 (VXR)
- Cisco Easy VPN Remote 是运行 Cisco IOS 软件版本 12.4(2)T1 的 871W 路由器

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您使用的是真实网络，请确保您已经了解所有命令的潜在影响。

规则

有关文档规则的详细信息，请参阅 [Cisco 技术提示规则](#)。

配置

本部分提供有关如何配置本文档所述功能的信息。

注意：有关本文档所用命令的详细信息，请使用[命令查找工具](#)（[仅限注册用户](#)）。

网络图

本文档使用以下网络设置：

注意：环回接口模拟内部 PC。

配置

本文档使用以下配置：

- [Easy VPN 服务器 \(Cisco 7200VXR 路由器\)](#)
- [Easy VPN Remote \(Cisco 871W 路由器\)](#)

Easy VPN 服务器 (Cisco 7200VXR 路由器)

```
3-07-07-7200VXR#show running-config Building
configuration... Current configuration : 2059 bytes !
version 12.4 service timestamps debug datetime msec
service timestamps log datetime msec no service
password-encryption ! hostname 3-07-07-7200VXR ! boot-
start-marker boot-end-marker ! !--- Enable
Authentication, Authorizing and Accounting (AAA) !---
for user authentication and group authorization. aaa
new-model ! !--- Enable the AAA commands in order !---
to enable Xauth for user authentication. aaa
authentication login userauthen local !--- Enable the
AAA commands !--- in order to enable group
authorization. aaa authorization network groupauthor
local ! aaa session-id common ! resource policy ! ip
subnet-zero ip cef ! !--- Define the username and
password to use for Xauth. username cisco password 0
cisco123 ! !--- Create an Internet Security
Association and !--- Key Management Protocol (ISAKMP)
policy for Phase 1 negotiations. crypto isakmp policy 3
```

```
encr 3des authentication pre-share group 2 ! ! ! ---  
Create a group with the pre-shared key for IKE  
authentication. crypto isakmp client configuration group  
vpngrp key cisco123 ! ! ! --- Create the Phase 2 policy  
for actual data encryption. crypto ipsec transform-set  
myset esp-3des esp-sha-hmac ! ! --- Create a dynamic map  
and ! --- apply the transform set that was created  
earlier. crypto dynamic-map dynmap 10 set transform-set  
myset ! ! ! --- Create the actual crypto map, ! --- and  
apply the AAA lists that were created earlier. ! ---  
These commands associate the AAA commands to the crypto  
map. crypto map clientmap client authentication list  
userauthen crypto map clientmap isakmp authorization  
list groupauthen crypto map clientmap 10 ipsec-isakmp  
dynamic dynmap ! ! ! interface Loopback10 ip address  
10.10.10.1 255.255.255.0 ! interface GigabitEthernet0/1  
ip address 158.100.101.254 255.255.255.0 ip nat inside  
ip virtual-reassembly duplex auto speed auto media-type  
rj45 no negotiation auto ! interface GigabitEthernet0/2  
ip address 158.100.102.254 255.255.255.0 ip nat outside  
ip virtual-reassembly duplex auto speed 100 media-type  
rj45 no negotiation auto ! ! ! ! --- Apply the crypto map  
on the interface where ! --- traffic leaves the router.  
interface GigabitEthernet0/3 ip address 172.16.186.186  
255.255.255.0 duplex auto speed auto media-type rj45 no  
negotiation auto crypto map clientmap ! interface  
FastEthernet1/0 no ip address shutdown duplex half ! ip  
default-gateway 172.16.186.1 ip classless ip route  
0.0.0.0 0.0.0.0 172.16.186.1 no ip http server no ip  
http secure-server ! ! ip nat Stateful id 10 ip nat pool  
honnat 158.100.96.90 158.100.96.99 netmask 255.255.255.0  
ip nat inside source route-map test pool honnat mapping-  
id 10 overload ! logging alarm informational access-list  
100 permit ip any any ! route-map test permit 10 match  
ip address 100 ! ! ! ! control-plane ! ! ! ! !  
gatekeeper shutdown ! ! line con 0 logging synchronous  
stopbits 1 line aux 0 stopbits 1 line vty 0 4 ! ! end
```

Easy VPN Remote (Cisco 871W 路由器)

```
3-03-06-871W#show running-config Current configuration :  
1563 bytes ! version 12.4 no service pad service  
timestamps debug datetime msec service timestamps log  
datetime msec service password-encryption ! hostname 3-  
03-06-871W ! boot-start-marker boot-end-marker ! ! no  
aaa new-model ! resource policy ! ip cef ! ! ! ! ip  
name-server 171.70.168.183 ! ! username cisco privilege  
15 password 7 00071A150754 ! ! ! ! ! --- Set the  
parameters to connect to the ! --- appropriate Easy VPN  
group on the Easy VPN server. crypto ipsec client ezvpn  
ez connect auto group vpngrp key cisco123 mode network-  
extension peer 172.16.186.186 xauth userid mode  
interactive ! ! ! ! --- Define the inside interfaces that  
will access ! --- and can be accessed via Easy VPN.  
interface Loopback0 ip address 10.12.130.1  
255.255.255.255 crypto ipsec client ezvpn ez inside !  
interface FastEthernet0 ! interface FastEthernet1 !  
interface FastEthernet2 ! interface FastEthernet3 ! ---  
Use the crypto ipsec client ezvpn <name> command on the  
! --- interface that connects to the Easy VPN server ! ---  
in order to complete the Easy VPN. interface  
FastEthernet4 ip address 172.16.186.130 255.255.255.0  
duplex auto speed auto crypto ipsec client ezvpn ez !  
interface Dot11Radio0 no ip address shutdown speed  
basic-1.0 basic-2.0 basic-5.5 6.0 9.0 basic-11.0 12.0
```

```
18.0 24.0 36.0 48.0 54.0 station-role root ! interface
Vlan1 no ip address ! ip default-gateway 172.16.186.1 ip
route 0.0.0.0 0.0.0.0 172.16.186.1 ! ! no ip http server
no ip http secure-server ! access-list 121 dynamic
testlist permit tcp any host 12.12.12.12 eq 5900 snmp-
server community presto RW ! ! route-map polo permit
10 ! route-map asa permit 10 ! tacacs-server host
66.94.234.13 tacacs-server directed-request ! control-
plane ! ! line con 0 no modem enable line aux 0 line vty
0 4 login ! scheduler max-task-time 5000 ! webvpn
context Default context ssl authenticate verify all ! no
inservice ! end
```

验证

使用以下各部分可确认您的配置是否正常运行。

- [Cisco 7200 Easy VPN 服务器 show 命令和示例输出](#)
- [Cisco 871W Easy VPN Remote show 命令和示例输出](#)

[命令输出解释程序 \(仅限注册用户 \)](#) (OIT) 支持某些 **show** 命令。使用 OIT 可查看对 **show** 命令输出的分析。

[Cisco 7200 Easy VPN 服务器 show 命令和示例输出](#)

- **show crypto isakmp sa** - 显示对等体上的所有当前 Internet 密钥交换 (IKE) 安全关联 (SA)。3-07-07-7200VXR#**show crypto isakmp sa** IPv4 Crypto ISAKMP SA dst src state conn-id slot status 172.16.186.186 172.16.186.130 QM_IDLE 1008 0 ACTIVE IPv6 Crypto ISAKMP SA
- **show crypto ipsec sa** - 显示对等体之间构建的 IPsec SA。3-07-07-7200VXR#**show crypto ipsec sa** interface: GigabitEthernet0/3 Crypto map tag: clientmap, local addr 172.16.186.186 protected vrf: (none) local ident (addr/mask/prot/port): (0.0.0.0/0.0.0.0/0/0) remote ident (addr/mask/prot/port): (10.12.130.1/255.255.255.255/0/0) current_peer 172.16.186.130 port 500 PERMIT, flags={ } #pkts encaps: 5, #pkts encrypt: 5, #pkts digest: 5 #pkts decaps: 5, #pkts decrypt: 5, #pkts verify: 5 #pkts compressed: 0, #pkts decompressed: 0 #pkts not compressed: 0, #pkts compr. failed: 0 #pkts not decompressed: 0, #pkts decompress failed: 0 #send errors 0, #recv errors 0 local crypto endpt.: 172.16.186.186, remote crypto endpt.: 172.16.186.130 path mtu 1500, ip mtu 1500 current outbound spi: 0x29354010(691355664) inbound esp sas: spi: 0x6875F644(1752561220) transform: esp-3des esp-sha-hmac , in use settings = {Tunnel, } conn id: 11, flow_id: SW:11, crypto map: clientmap sa timing: remaining key lifetime (k/sec): (4439946/3526) IV size: 8 bytes replay detection support: Y Status: ACTIVE inbound ah sas: inbound pcp sas: outbound esp sas: spi: 0x29354010(691355664) transform: esp-3des esp-sha-hmac , in use settings = {Tunnel, } conn id: 12, flow_id: SW:12, crypto map: clientmap sa timing: remaining key lifetime (k/sec): (4439946/3524) IV size: 8 bytes replay detection support: Y Status: ACTIVE

[Cisco 871W Easy VPN Remote show 命令和示例输出](#)

- **show crypto isakmp sa** - 显示对等体上的所有当前 IKE SA。3-03-06-871W#**show crypto isakmp sa** IPv4 Crypto ISAKMP SA dst src state conn-id slot status 172.16.186.186 172.16.186.130 QM_IDLE 2003 0 ACTIVE IPv6 Crypto ISAKMP SA
- **show crypto ipsec sa** - 显示对等体之间构建的 IPsec SA。3-03-06-871W#**show crypto ipsec sa** interface: FastEthernet4 Crypto map tag: FastEthernet4-head-0, local addr 172.16.186.130 protected vrf: (none) local ident (addr/mask/prot/port): (10.12.130.1/255.255.255.255/0/0) remote ident (addr/mask/prot/port): (0.0.0.0/0.0.0.0/0/0) current_peer 172.16.186.186 port 500 PERMIT, flags={origin_is_acl,} #pkts encaps: 5, #pkts encrypt: 5, #pkts digest: 5 #pkts decaps: 5, #pkts decrypt: 5, #pkts verify: 5 #pkts compressed: 0, #pkts decompressed: 0 #pkts not compressed: 0, #pkts compr. failed: 0 #pkts not decompressed: 0, #pkts decompress

```
failed: 0 #send errors 0, #recv errors 0 local crypto endpt.: 172.16.186.130, remote crypto
endpt.: 172.16.186.186 path mtu 1500, ip mtu 1500 current outbound spi:
0x6875F644(1752561220) inbound esp sas: spi: 0x29354010(691355664) transform: esp-3des esp-
sha-hmac , in use settings ={Tunnel, } conn id: 11, flow_id: Motorola SEC 1.0:11, crypto
map: FastEthernet4-head-0 sa timing: remaining key lifetime (k/sec): (4607687/3531) IV size:
8 bytes replay detection support: Y Status: ACTIVE inbound ah sas: inbound pcp sas: outbound
esp sas: spi: 0x6875F644(1752561220) transform: esp-3des esp-sha-hmac , in use settings
={Tunnel, } conn id: 12, flow_id: Motorola SEC 1.0:12, crypto map: FastEthernet4-head-0 sa
timing: remaining key lifetime (k/sec): (4607687/3528) IV size: 8 bytes replay detection
support: Y Status: ACTIVE outbound ah sas: outbound pcp sas:
```

- **show crypto ipsec client ezvpn - 显示 Cisco Easy VPN Remote 配置。** 3-03-06-871W#**show crypto ipsec client ezvpn** Easy VPN Remote Phase: 6 Tunnel name : ez Inside interface list: Loopback0 Outside interface: FastEthernet4 Current State: IPSEC_ACTIVE Last Event: SOCKET_UP Save Password: Disallowed Current EzVPN Peer: 172.16.186.186 3-03-06-871W#**ping 10.10.10.1 source 10.12.130.1** Type escape sequence to abort. Sending 5, 100-byte ICMP Echos to 10.10.10.1, timeout is 2 seconds: Packet sent with a source address of 10.12.130.1 !!!!! Success rate is 100 percent (5/5), round-trip min/avg/max = 1/2/4 ms

故障排除

使用本部分可排除配置故障。

[命令输出解释程序 \(仅限注册用户 \)](#) (OIT) 支持某些 **show** 命令。使用 OIT 可查看对 **show** 命令输出的分析。

注意： 使用 **debug** 命令之前，请参阅[有关 Debug 命令的重要信息](#)。

如果已根据本文档所述内容设置了 Easy VPN Remote 和 Easy VPN 服务器，但是仍然遇到问题，请收集每个设备的 **debug** 输出和 **show** 命令的输出，以供 Cisco 技术支持部门进行分析。

以下部分显示了 **debug** 命令和示例输出：

- [Easy VPN 服务器命令](#)
- [Easy VPN Remote 命令](#)

Easy VPN 服务器命令

- **debug crypto ipsec** - 显示第 2 阶段的 IPsec 协商。
- **debug crypto isakmp** - 显示第 1 阶段的 ISAKMP 协商。

```
3-07-07-7200VXR#debug crypto ipsec 3-07-07-7200VXR#debug crypto isakmp *May 4 00:44:19.389:
IPSEC(key_engine): got a queue event with 1 KMI message(s) *May 4 00:44:20.937: ISAKMP (0:0):
received packet from 172.16.186.130 dport 500 sport 500 Global (N) NEW SA *May 4 00:44:20.937:
ISAKMP: Created a peer struct for 172.16.186.130, peer port 500 *May 4 00:44:20.937: ISAKMP: New
peer created peer = 0x6745B8E0 peer_handle = 0x80000009 *May 4 00:44:20.937: ISAKMP: Locking
peer struct 0x6745B8E0, refcount 1 for crypto_isakmp_process_block *May 4 00:44:20.937:
ISAKMP:(0):Setting client config settings 6741FF98 *May 4 00:44:20.937: ISAKMP:(0):(Re)Setting
client xauth list and state *May 4 00:44:20.937: ISAKMP/xauth: initializing AAA request *May 4
00:44:20.937: ISAKMP: local port 500, remote port 500 *May 4 00:44:20.937: ISAKMP: Find a dup sa
in the avl tree during calling isadb_insert sa = 67369734 *May 4 00:44:20.937: ISAKMP:(0):
processing SA payload. message ID = 0 *May 4 00:44:20.937: ISAKMP:(0): processing ID payload.
message ID = 0 *May 4 00:44:20.937: ISAKMP (0:0): ID payload next-payload : 13 type : 11 group
id : vpngrp protocol : 17 port : 0 length : 14 *May 4 00:44:20.937: ISAKMP:(0):: peer matches
*none* of the profiles *May 4 00:44:20.937: ISAKMP:(0): processing vendor id payload *May 4
00:44:20.937: ISAKMP:(0): vendor ID seems Unity/DPD but major 245 mismatch *May 4 00:44:20.937:
ISAKMP (0:0): vendor ID is NAT-T v7 *May 4 00:44:20.937: ISAKMP:(0): processing vendor id
payload *May 4 00:44:20.937: ISAKMP:(0): vendor ID seems Unity/DPD but major 157 mismatch *May 4
```


00:44:20.941: ISAKMP: default group 2 *May 4 00:44:20.941: ISAKMP: auth pre-share *May 4
00:44:20.941: ISAKMP: life type in seconds *May 4 00:44:20.941: ISAKMP: life duration (VPI) of
0x0 0x20 0xC4 0x9B *May 4 00:44:20.941: ISAKMP:(0):Encryption algorithm offered does not match
policy! *May 4 00:44:20.941: ISAKMP:(0):atts are not acceptable. Next payload is 3 *May 4
00:44:20.941: ISAKMP:(0):Checking ISAKMP transform 11 against priority 3 policy *May 4
00:44:20.941: ISAKMP: encryption AES-CBC *May 4 00:44:20.941: ISAKMP: keylength of 256 *May 4
00:44:20.941: ISAKMP: hash SHA *May 4 00:44:20.941: ISAKMP: default group 2 *May 4 00:44:20.941:
ISAKMP: auth pre-share *May 4 00:44:20.941: ISAKMP: life type in seconds *May 4 00:44:20.941:
ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B *May 4 00:44:20.941: ISAKMP:(0):Encryption
algorithm offered does not match policy! *May 4 00:44:20.941: ISAKMP:(0):atts are not
acceptable. Next payload is 3 *May 4 00:44:20.941: ISAKMP:(0):Checking ISAKMP transform 12
against priority 3 policy *May 4 00:44:20.941: ISAKMP: encryption AES-CBC *May 4 00:44:20.941:
ISAKMP: keylength of 256 *May 4 00:44:20.941: ISAKMP: hash MD5 *May 4 00:44:20.941: ISAKMP:
default group 2 *May 4 00:44:20.941: ISAKMP: auth pre-share *May 4 00:44:20.941: ISAKMP: life
type in seconds *May 4 00:44:20.941: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B *May 4
00:44:20.941: ISAKMP:(0):Encryption algorithm offered does not match policy! *May 4
00:44:20.941: ISAKMP:(0):atts are not acceptable. Next payload is 3 *May 4 00:44:20.941:
ISAKMP:(0):Checking ISAKMP transform 13 against priority 3 policy *May 4 00:44:20.941: ISAKMP:
encryption 3DES-CBC *May 4 00:44:20.941: ISAKMP: hash SHA *May 4 00:44:20.941: ISAKMP: default
group 2 *May 4 00:44:20.941: ISAKMP: auth XAUTHInitPreShared *May 4 00:44:20.941: ISAKMP: life
type in seconds *May 4 00:44:20.941: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B *May 4
00:44:20.941: **ISAKMP:(0):atts are acceptable. Next payload is 3** *May 4 00:44:20.941: ISAKMP:(0):
processing vendor id payload *May 4 00:44:20.941: ISAKMP:(0): vendor ID seems Unity/DPD but
major 245 mismatch *May 4 00:44:20.941: ISAKMP (0:0): vendor ID is NAT-T v7 *May 4 00:44:20.941:
ISAKMP:(0): processing vendor id payload *May 4 00:44:20.941: ISAKMP:(0): vendor ID seems
Unity/DPD but major 157 mismatch *May 4 00:44:20.941: ISAKMP:(0): vendor ID is NAT-T v3 *May 4
00:44:20.941: ISAKMP:(0): processing vendor id payload *May 4 00:44:20.941: ISAKMP:(0): vendor
ID seems Unity/DPD but major 123 mismatch *May 4 00:44:20.941: ISAKMP:(0): vendor ID is NAT-T v2
*May 4 00:44:20.941: ISAKMP:(0): processing KE payload. message ID = 0 *May 4 00:44:20.957:
ISAKMP:(0): processing NONCE payload. message ID = 0 *May 4 00:44:20.957: ISAKMP:(0): processing
vendor id payload *May 4 00:44:20.957: ISAKMP:(0): vendor ID is DPD *May 4 00:44:20.957:
ISAKMP:(0): processing vendor id payload *May 4 00:44:20.957: ISAKMP:(0): vendor ID seems
Unity/DPD but major 79 mismatch *May 4 00:44:20.957: ISAKMP:(0): vendor ID is XAUTH *May 4
00:44:20.957: ISAKMP:(0): processing vendor id payload *May 4 00:44:20.957: ISAKMP:(0): claimed
IOS but failed authentication *May 4 00:44:20.957: ISAKMP:(0): processing vendor id payload *May
4 00:44:20.957: ISAKMP:(0): vendor ID is Unity *May 4 00:44:20.957: ISAKMP:(0):Input =
IKE_MSG_FROM_PEER, IKE_AM_EXCH *May 4 00:44:20.957: ISAKMP:(0):Old State = IKE_READY New State
= IKE_R_AM_AAA_AWAIT *May 4 00:44:20.957: ISAKMP:(1008): constructed NAT-T vendor-07 ID *May 4
00:44:20.957: ISAKMP:(1008):SA is doing pre-shared key authentication plus XAUTH using id type
ID_IPV4_ADDR *May 4 00:44:20.957: ISAKMP (0:1008): ID payload next-payload : 10 type : 1 address
: 172.16.186.186 protocol : 17 port : 0 length : 12 *May 4 00:44:20.957: ISAKMP:(1008):Total
payload length: 12 *May 4 00:44:20.957: ISAKMP:(1008): sending packet to 172.16.186.130 my_port
500 peer_port 500 (R) AG_INIT_EXCH *May 4 00:44:20.957: ISAKMP:(1008):Input = IKE_MSG_FROM_AAA,
PRESHARED_KEY_REPLY *May 4 00:44:20.957: ISAKMP:(1008):Old State = IKE_R_AM_AAA_AWAIT New State
= IKE_R_AM2 *May 4 00:44:20.985: ISAKMP (0:1008): received packet from 172.16.186.130 dport 500
sport 500 Global (R) AG_INIT_EXCH *May 4 00:44:20.985: ISAKMP:(1008): processing HASH payload.
message ID = 0 *May 4 00:44:20.985: ISAKMP:(1008): processing NOTIFY INITIAL_CONTACT protocol 1
spi 0, message ID = 0, sa = 67369734 *May 4 00:44:20.985: ISAKMP:(1008):SA authentication
status: authenticated *May 4 00:44:20.985: ISAKMP:(1008):SA has been authenticated with
172.16.186.130 *May 4 00:44:20.985: ISAKMP:(1008):SA authentication status: authenticated *May 4
00:44:20.985: ISAKMP:(1008): Process initial contact, bring down existing phase 1 and 2 SA's
with local 172.16.186.186 remote 172.16.186.130 remote port 500 *May 4 00:44:20.985:
ISAKMP:(1008):returning IP addr to the address pool *May 4 00:44:20.985: ISAKMP: Trying to
insert a peer 172.16.186.186/172.16.186.130/500/, and inserted successfully 6745B8E0. *May 4
00:44:20.985: ISAKMP: set new node 1361385973 to CONF_XAUTH *May 4 00:44:20.985:
ISAKMP:(1008):Sending NOTIFY RESPONDER_LIFETIME protocol 1 spi 1722618680, message ID =
1361385973 *May 4 00:44:20.985: ISAKMP:(1008): sending packet to 172.16.186.130 my_port 500
peer_port 500 (R) QM_IDLE *May 4 00:44:20.985: ISAKMP:(1008):purging node 1361385973 *May 4
00:44:20.985: ISAKMP: Sending phase 1 responder lifetime 86400 *May 4 00:44:20.985:
ISAKMP:(1008):Input = IKE_MSG_FROM_PEER, IKE_AM_EXCH *May 4 00:44:20.985: ISAKMP:(1008):Old
State = IKE_R_AM2 New State = **IKE_P1_COMPLETE** !--- Requesting Xauth. *May 4 00:44:20.985:
IPSEC(key_engine): got a queue event with 1 KMI message(s) *May 4 00:44:20.985:
ISAKMP:(1008):Need XAUTH *May 4 00:44:20.985: ISAKMP: set new node -605466681 to CONF_XAUTH *May
4 00:44:20.985: ISAKMP/xauth: request attribute XAUTH_USER_NAME_V2 *May 4 00:44:20.985:

ISAKMP/xauth: request attribute XAUTH_USER_PASSWORD_V2 *May 4 00:44:20.985: ISAKMP:(1008):
initiating peer config to 172.16.186.130. ID = -605466681 *May 4 00:44:20.985: ISAKMP:(1008):
sending packet to 172.16.186.130 my_port 500 peer_port 500 (R) CONF_XAUTH *May 4 00:44:20.985:
ISAKMP:(1008):Input = IKE_MSG_INTERNAL, IKE_PHASE1_COMPLETE *May 4 00:44:20.985:
ISAKMP:(1008):Old State = IKE_P1_COMPLETE New State = IKE_XAUTH_REQ_SENT *May 4 00:44:35.985:
ISAKMP:(1008): retransmitting phase 2 CONF_XAUTH -605466681 ... *May 4 00:44:35.985: ISAKMP
(0:1008): incrementing error counter on node, attempt 1 of 5: retransmit phase 2 *May 4
00:44:35.985: ISAKMP (0:1008): incrementing error counter on sa, attempt 1 of 5: retransmit
phase 2 *May 4 00:44:35.985: ISAKMP:(1008): retransmitting phase 2 -605466681 CONF_XAUTH *May 4
00:44:35.985: ISAKMP:(1008): sending packet to 172.16.186.130 my_port 500 peer_port 500 (R)
CONF_XAUTH R# 3-07-07-7200VXR# *May 4 00:44:50.985: ISAKMP:(1008): retransmitting phase 2
CONF_XAUTH -605466681 ... *May 4 00:44:50.985: ISAKMP (0:1008): incrementing error counter on
node, attempt 2 of 5: retransmit phase 2 *May 4 00:44:50.985: ISAKMP (0:1008): incrementing
error counter on sa, attempt 2 of 5: retransmit phase 2 *May 4 00:44:50.985: ISAKMP:(1008):
retransmitting phase 2 -605466681 CONF_XAUTH *May 4 00:44:50.985: ISAKMP:(1008): sending packet
to 172.16.186.130 my_port 500 peer_port 500 (R) CONF_XAUTH 3-07-07-7200VXR# *May 4 00:45:01.997:
ISAKMP (0:1008): received packet from 172.16.186.130 dport 500 sport 500 Global (R) CONF_XAUTH
*May 4 00:45:01.997: ISAKMP:(1008):processing transaction payload from 172.16.186.130. message
ID = -605466681 *May 4 00:45:01.997: ISAKMP: Config payload REPLY *May 4 00:45:01.997:
ISAKMP/xauth: reply attribute XAUTH_USER_NAME_V2 *May 4 00:45:01.997: ISAKMP/xauth: reply
attribute XAUTH_USER_PASSWORD_V2 *May 4 00:45:01.997: ISAKMP:(1008):deleting node -605466681
error FALSE reason "Done with xauth request/reply exchange" *May 4 00:45:01.997:
ISAKMP:(1008):Input = IKE_MSG_FROM_PEER, IKE_CFG_REPLY *May 4 00:45:01.997: ISAKMP:(1008):Old
State = IKE_XAUTH_REQ_SENT New State = IKE_XAUTH_AAA_CONT_LOGIN_AWAIT *May 4 00:45:01.997:
ISAKMP: set new node 1283697340 to CONF_XAUTH *May 4 00:45:01.997: ISAKMP:(1008): initiating
peer config to 172.16.186.130. ID = 1283697340 *May 4 00:45:01.997: ISAKMP:(1008): sending
packet to 172.16.186.130 my_port 5 3-07-07-7200VX00 peer_port 500 (R) CONF_XAUTH *May 4
00:45:01.997: ISAKMP:(1008):Input = IKE_MSG_FROM_AAA, IKE_AAA_CONT_LOGIN *May 4 00:45:01.997:
ISAKMP:(1008):Old State = IKE_XAUTH_AAA_CONT_LOGIN_AWAIT New State = IKE_XAUTH_SET_SENT *May 4
00:45:02.005: ISAKMP (0:1008): received packet from 172.16.186.130 dport 500 sport 500 Global
(R) CONF_XAUTH *May 4 00:45:02.005: ISAKMP:(1008):processing transaction payload from
172.16.186.130. message ID = 1283697340 *May 4 00:45:02.005: ISAKMP: Config payload ACK *May 4
00:45:02.005: ISAKMP:(1008): XAUTH ACK Processed *May 4 00:45:02.005: ISAKMP:(1008):deleting
node 1283697340 error FALSE reason "Transaction mode done" *May 4 00:45:02.005:
ISAKMP:(1008):Input = IKE_MSG_FROM_PEER, IKE_CFG_ACK *May 4 00:45:02.005: ISAKMP:(1008):Old
State = IKE_XAUTH_SET_SENT New State = IKE_P1_COMPLETE *May 4 00:45:02.005: ISAKMP:(1008):Input
= IKE_MSG_INTERNAL, IKE_PHASE1_COMPLETE *May 4 00:45:02.005: ISAKMP:(1008):Old State =
IKE_P1_COMPLETE New State = IKE_P1_COMPLETE *May 4 00:45:02.005: ISAKMP (0:1008): received
packet from 172.16.186.130 dport 500 sport 500 Global (R) QM_IDLE *May 4 00:45:02.005: ISAKMP:
set new node 104696831 to QM_IDLE *May 4 00:45:02.005: ISAKMP:(1008):processing transaction
payload from 172.16.186.130. message ID = 104696831 *May 4 00:45:02.005: ISAKMP: Config payload
REQUEST *May 4 00:45:02.005: ISAKMP:(1008):checking request: *May 4 00:45:02.005: ISAKMP:
MODECFG_CONFIG_URL *May 4 00:45:02.005: ISAKMP: MODECFG_CONFIG_VERSION *May 4 00:45:02.009:
ISAKMP: IP4_DNS *May 4 00:45:02.009: ISAKMP: IP4_DNS *May 4 00:45:02.009: ISAKMP: IP4_NBNS *May
4 00:45:02.009: ISAKMP: IP4_NBNS *May 4 00:45:02.009: ISAKMP: SPLIT_INCLUDE *May 4 00:45:02.009:
ISAKMP: SPLIT_DNS *May 4 00:45:02.009: ISAKMP: DEFAULT_DOMAIN *May 4 00:45:02.009: ISAKMP:
MODECFG_SAVEPWD *May 4 00:45:02.009: ISAKMP: INCLUDE_LOCAL_LAN *May 4 00:45:02.009: ISAKMP: PFS
*May 4 00:45:02.009: ISAKMP: BACKUP_SERVER *May 4 00:45:02.009: ISAKMP: APPLICATION_VERSION *May
4 00:45:02.009: ISAKMP: MODECFG-BANNER *May 4 00:45:02.009: ISAKMP: MODECFG_IPSEC_INT_CONF *May
4 00:45:02.009: ISAKMP/author: Author request for group vpngrpssuccessfully sent to AAA *May 4
00:45:02.009: ISAKMP:(1008):Input = IKE_MSG_FROM_PEER, IKE_CFG_REQUEST *May 4 00:45:02.009:
ISAKMP:(1008):Old State = IKE_P1_COMPLETE New State = IKE_CONFIG_AUTHOR_AAA_AWAIT *May 4
00:45:02.009: ISAKMP:(1008):Receive config attributes requested but config attributes not in
crypto map. Sending empty reply. *May 4 00:45:02.009: ISAKMP:(1008):attributes sent in message:
*May 4 00:45:02.009: ISAKMP: Sending APPLICATION_VERSION string: Cisco IOS Software, 7200
Software (C7200-ADVENTERPRISEK9-M), Version 12.4(4)T1, RELEASE SOFTWARE (fc4) Technical Support:
<http://www.cisco.com/techsupport> Copyright (c) 1986-2005 by Cisco Systems, Inc. Compiled Wed 21-
Dec-05 22:58 by ccai *May 4 00:45:02.009: ISAKMP: Sending IPsec Interface Config reply value 0
*May 4 00:45:02.009: ISAKMP:(1008): responding to peer config from 172.16.186.130. ID =
104696831 *May 4 00:45:02.009: ISAKMP:(1008): sending packet to 172.16.186.130 my_port 500
peer_port 500 (R) CONF_ADDR *May 4 00:45:02.009: ISAKMP:(1008):deleting node 104696831 error
FALSE reason "No Error" *May 4 00:45:02.009: ISAKMP:(1008):Input = IKE_MSG_FROM_AAA,
IKE_AAA_GROUP_ATTR *May 4 00:45:02.009: ISAKMP:(1008):Old State = IKE_CONFIG_AUTHOR_AAA_AWAIT
New State = IKE_P1_COMPLETE *May 4 00:45:02.009: ISAKMP:(1008):Input = IKE_MSG_INTERNAL,

IKE_PHASE1_COMPLETE *May 4 00:45:02.009: ISAKMP:(1008):Old State = IKE_P1_COMPLETE New State = IKE_P1_COMPLETE *May 4 00:45:02.029: ISAKMP (0:1008): received packet from 172.16.186.130 dport 500 sport 500 Global (R) QM_IDLE *May 4 00:45:02.029: ISAKMP: set new node -1665883002 to QM_IDLE *May 4 00:45:02.029: ISAKMP:(1008): processing HASH payload. message ID = -1665883002 *May 4 00:45:02.029: ISAKMP:(1008): processing SA payload. message ID = -1665883002 *May 4 00:45:02.029: ISAKMP:(1008):Checking IPsec proposal 1 *May 4 00:45:02.029: ISAKMP: transform 1, ESP_AES *May 4 00:45:02.029: ISAKMP: attributes in transform: *May 4 00:45:02.029: ISAKMP: encaps is 1 (Tunnel) *May 4 00:45:02.029: ISAKMP: SA life type in seconds *May 4 00:45:02.029: ISAKMP: SA life duration (VPI) of 0x0 0x20 0xC4 0x9B *May 4 00:45:02.029: ISAKMP: SA life type in kilobytes *May 4 00:45:02.029: ISAKMP: SA life duration (VPI) of 0x0 0x46 0x50 0x0 *May 4 00:45:02.029: ISAKMP: authenticator is HMAC-SHA *May 4 00:45:02.029: ISAKMP: key length is 128 *May 4 00:45:02.029: ISAKMP:(1008):atts are acceptable. *May 4 00:45:02.029: IPSEC(validate_proposal_request): proposal part #1 *May 4 00:45:02.029: IPSEC(validate_proposal_request): proposal part #1, (key eng. msg.) INBOUND local=172.16.186.186, remote= 172.16.186.130, local_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), remote_proxy=10.12.130.1/255.255.255.255/0/0 (type=1), protocol= ESP, transform= esp-aes esp-sha-hmac (Tunnel), lifedur= 0s and 0kb, spi= 0x0(0), conn_id= 0, keysize= 128, flags= 0x0 *May 4 00:45:02.029: IPSEC(crypto_ipsec_process_proposal): transform proposal not supported for identity: {esp-aes esp-sha-hmac } *May 4 00:45:02.029: ISAKMP:(1008): IPsec policy invalidated proposal *May 4 00:45:02.029: ISAKMP:(1008):Checking IPsec proposal 2 *May 4 00:45:02.029: ISAKMP: transform 1, ESP_AES *May 4 00:45:02.029: ISAKMP: attributes in transform: *May 4 00:45:02.029: ISAKMP: encaps is 1 (Tunnel) *May 4 00:45:02.029: ISAKMP: SA life type in seconds *May 4 00:45:02.029: ISAKMP: SA life duration (VPI) of 0x0 0x20 0xC4 0x9B *May 4 00:45:02.029: ISAKMP: SA life type in kilobytes *May 4 00:45:02.029: ISAKMP: SA life duration (VPI) of 0x0 0x46 0x50 0x0 *May 4 00:45:02.029: ISAKMP: authenticator is HMAC-MD5 *May 4 00:45:02.029: ISAKMP: key length is 128 *May 4 00:45:02.029: ISAKMP:(1008):atts are acceptable. *May 4 00:45:02.029: IPSEC(validate_proposal_request): proposal part #1 *May 4 00:45:02.029: IPSEC(validate_proposal_request): proposal part #1, (key eng. msg.) INBOUND local=172.16.186.186, remote= 172.16.186.130, local_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), remote_proxy=10.12.130.1/255.255.255.255/0/0 (type=1), protocol= ESP, transform= esp-aes esp-md5-hmac (Tunnel), lifedur= 0s and 0kb, spi= 0x0(0), conn_id= 0, keysize= 128, flags= 0x0 *May 4 00:45:02.029: IPSEC(crypto_ipsec_process_proposal): transform proposal not supported for identity: {esp-aes esp-md5-hmac } *May 4 00:45:02.029: ISAKMP:(1008): IPsec policy invalidated proposal *May 4 00:45:02.029: ISAKMP:(1008):Checking IPsec proposal 3 *May 4 00:45:02.029: ISAKMP: transform 1, ESP_AES *May 4 00:45:02.029: ISAKMP: attributes in transform: *May 4 00:45:02.029: ISAKMP: encaps is 1 (Tunnel) *May 4 00:45:02.029: ISAKMP: SA life type in seconds *May 4 00:45:02.029: ISAKMP: SA life duration (VPI) of 0x0 0x20 0xC4 0x9B *May 4 00:45:02.029: ISAKMP: SA life type in kilobytes *May 4 00:45:02.029: ISAKMP: SA life duration (VPI) of 0x0 0x46 0x50 0x0 *May 4 00:45:02.029: ISAKMP: authenticator is HMAC-SHA *May 4 00:45:02.029: ISAKMP: key length is 192 *May 4 00:45:02.029: ISAKMP:(1008):atts are acceptable. *May 4 00:45:02.029: IPSEC(validate_proposal_request): proposal part #1 *May 4 00:45:02.029: IPSEC(validate_proposal_request): proposal part #1, (key eng. msg.) INBOUND local=172.16.186.186, remote= 172.16.186.130, local_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), remote_proxy=10.12.130.1/255.255.255.255/0/0 (type=1), protocol= ESP, transform= esp-aes 192 esp-sha-hmac (Tunnel), lifedur= 0s and 0kb, spi= 0x0(0), conn_id= 0, keysize= 192, flags= 0x0 *May 4 00:45:02.029: IPSEC(crypto_ipsec_process_proposal): transform proposal not supported for identity: {esp-aes 192 esp-sha-hmac } *May 4 00:45:02.029: ISAKMP:(1008): IPsec policy invalidated proposal *May 4 00:45:02.029: ISAKMP:(1008):Checking IPsec proposal 4 *May 4 00:45:02.029: ISAKMP: transform 1, ESP_AES *May 4 00:45:02.029: ISAKMP: attributes in transform: *May 4 00:45:02.029: ISAKMP: encaps is 1 (Tunnel) *May 4 00:45:02.029: ISAKMP: SA life type in seconds *May 4 00:45:02.029: ISAKMP: SA life duration (VPI) of 0x0 0x20 0xC4 0x9B *May 4 00:45:02.029: ISAKMP: SA life type in kilobytes *May 4 00:45:02.029: ISAKMP: SA life duration (VPI) of 0x0 0x46 0x50 0x0 *May 4 00:45:02.029: ISAKMP: authenticator is HMAC-MD5 *May 4 00:45:02.029: ISAKMP: key length is 192 *May 4 00:45:02.029: ISAKMP:(1008):atts are acceptable. *May 4 00:45:02.029: IPSEC(validate_proposal_request): proposal part #1 *May 4 00:45:02.029: IPSEC(validate_proposal_request): proposal part #1, (key eng. msg.) INBOUND local=172.16.186.186, remote= 172.16.186.130, local_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), remote_proxy=10.12.130.1/255.255.255.255/0/0 (type=1), protocol= ESP, transform= esp-aes 192 esp-md5-hmac (Tunnel), lifedur= 0s and 0kb, spi= 0x0(0), conn_id= 0, keysize= 192, flags= 0x0 *May 4 00:45:02.029: IPSEC(crypto_ipsec_process_proposal): transform proposal not supported for identity: {esp-aes 192 esp-md5-hmac } *May 4 00:45:02.029: ISAKMP:(1008): IPsec policy invalidated proposal *May 4 00:45:02.029: ISAKMP:(1008):Checking IPsec proposal 5 *May 4 00:45:02.029: ISAKMP: transform 1, ESP_AES *May 4 00:45:02.029: ISAKMP: attributes in transform: *May 4 00:45:02.029: ISAKMP: encaps is 1 (Tunnel) *May 4 00:45:02.029: ISAKMP: SA life type in

seconds *May 4 00:45:02.029: ISAKMP: SA life duration (VPI) of 0x0 0x20 0xc4 0x9B *May 4
00:45:02.029: ISAKMP: SA life type in kilobytes *May 4 00:45:02.029: ISAKMP: SA life duration
(VPI) of 0x0 0x46 0x50 0x0 *May 4 00:45:02.029: ISAKMP: authenticator is HMAC-SHA *May 4
00:45:02.033: ISAKMP: key length is 256 *May 4 00:45:02.033: ISAKMP:(1008):atts are acceptable.
*May 4 00:45:02.033: IPSEC(validate_proposal_request): proposal part #1 *May 4 00:45:02.033:
IPSEC(validate_proposal_request): proposal part #1, (key eng. msg.) INBOUND local=
172.16.186.186, remote= 172.16.186.130, local_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), remote_proxy=
10.12.130.1/255.255.255.255/0/0 (type=1), protocol= ESP, transform= esp-aes 256 esp-sha-hmac
(Tunnel), lifedur= 0s and 0kb, spi= 0x0(0), conn_id= 0, keysize= 256, flags= 0x0 *May 4
00:45:02.033: IPSEC(crypto_ipsec_process_proposal): transform proposal not supported for
identity: {esp-aes 256 esp-sha-hmac } *May 4 00:45:02.033: ISAKMP:(1008): IPsec policy
invalidated proposal *May 4 00:45:02.033: ISAKMP:(1008):Checking IPsec proposal 6 *May 4
00:45:02.033: ISAKMP: transform 1, ESP_AES *May 4 00:45:02.033: ISAKMP: attributes in transform:
*May 4 00:45:02.033: ISAKMP: encaps is 1 (Tunnel) *May 4 00:45:02.033: ISAKMP: SA life type in
seconds *May 4 00:45:02.033: ISAKMP: SA life duration (VPI) of 0x0 0x20 0xc4 0x9B *May 4
00:45:02.033: ISAKMP: SA life type in kilobytes *May 4 00:45:02.033: ISAKMP: SA life duration
(VPI) of 0x0 0x46 0x50 0x0 *May 4 00:45:02.033: ISAKMP: authenticator is HMAC-MD5 *May 4
00:45:02.033: ISAKMP: key length is 256 *May 4 00:45:02.033: ISAKMP:(1008):atts are acceptable.
*May 4 00:45:02.033: IPSEC(validate_proposal_request): proposal part #1 *May 4 00:45:02.033:
IPSEC(validate_proposal_request): proposal part #1, (key eng. msg.) INBOUND local=
172.16.186.186, remote= 172.16.186.130, local_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), remote_proxy=
10.12.130.1/255.255.255.255/0/0 (type=1), protocol= ESP, transform= esp-aes 256 esp-md5-hmac
(Tunnel), lifedur= 0s and 0kb, spi= 0x0(0), conn_id= 0, keysize= 256, flags= 0x0 *May 4
00:45:02.033: IPSEC(crypto_ipsec_process_proposal): transform proposal not supported for
identity: {esp-aes 256 esp-md5-hmac } *May 4 00:45:02.033: ISAKMP:(1008): IPsec policy
invalidated proposal *May 4 00:45:02.033: ISAKMP:(1008):Checking IPsec proposal 7 *May 4
00:45:02.033: ISAKMP: transform 1, ESP_3DES *May 4 00:45:02.033: ISAKMP: attributes in
transform: *May 4 00:45:02.033: ISAKMP: encaps is 1 (Tunnel) *May 4 00:45:02.033: ISAKMP: SA
life type in seconds *May 4 00:45:02.033: ISAKMP: SA life duration (VPI) of 0x0 0x20 0xc4 0x9B
*May 4 00:45:02.033: ISAKMP: SA life type in kilobytes *May 4 00:45:02.033: ISAKMP: SA life
duration (VPI) of 0x0 0x46 0x50 0x0 *May 4 00:45:02.033: ISAKMP: authenticator is HMAC-SHA *May
4 00:45:02.033: ISAKMP:(1008):atts are acceptable. *May 4 00:45:02.033:
IPSEC(validate_proposal_request): proposal part #1 *May 4 00:45:02.033:
IPSEC(validate_proposal_request): proposal part #1, (key eng. msg.) INBOUND local=
172.16.186.186, remote= 172.16.186.130, local_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), remote_proxy=
10.12.130.1/255.255.255.255/0/0 (type=1), protocol= ESP, transform= esp-3des esp-sha-hmac
(Tunnel), lifedur= 0s and 0kb, spi= 0x0(0), conn_id= 0, keysize= 0, flags= 0x0 *May 4
00:45:02.033: ISAKMP:(1008): processing NONCE payload. message ID = -1665883002 *May 4
00:45:02.033: ISAKMP:(1008): processing ID payload. message ID = -1665883002 *May 4
00:45:02.033: ISAKMP:(1008): processing ID payload. message ID = -1665883002 *May 4
00:45:02.033: ISAKMP:(1008): asking for 1 spis from ipsec *May 4 00:45:02.033:
ISAKMP:(1008):Node -1665883002, Input = IKE_MSG_FROM_PEER, IKE_QM_EXCH *May 4 00:45:02.033:
ISAKMP:(1008):Old State = IKE_QM_READY New State = IKE_QM_SPI_STARVE *May 4 00:45:02.033:
IPSEC(key_engine): got a queue event with 1 KMI message(s) *May 4 00:45:02.033:
IPSEC(spi_response): getting spi 1752561220 for SA from 172.16.186.186 to 172.16.186.130 for
prot 3 *May 4 00:45:02.033: ISAKMP:(1008): Creating IPsec SAs *May 4 00:45:02.033: inbound SA
from 172.16.186.130 to 172.16.186.186 (f/i) 0/ 0 (proxy 10.12.130.1 to 0.0.0.0) *May 4
00:45:02.033: has spi 0x6875F644 and conn_id 0 *May 4 00:45:02.033: lifetime of 2147483 seconds
*May 4 00:45:02.033: lifetime of 4608000 kilobytes *May 4 00:45:02.033: outbound SA from
172.16.186.186 to 172.16.186.130 (f/i) 0/0 (proxy 0.0.0.0 to 10.12.130.1) *May 4 00:45:02.033:
has spi 0x29354010 and conn_id 0 *May 4 00:45:02.033: lifetime of 2147483 seconds *May 4
00:45:02.033: lifetime of 4608000 kilobytes *May 4 00:45:02.033: ISAKMP:(1008): sending packet
to 172.16.186.130 my_port 500 peer_port 500 (R) QM_IDLE *May 4 00:45:02.033: ISAKMP:(1008):Node
-1665883002, Input = IKE_MSG_FROM_IPSEC, IKE_SPI_REPLY *May 4 00:45:02.033: ISAKMP:(1008):Old
State = IKE_QM_SPI_STARVE New State = IKE_QM_R_QM2 *May 4 00:45:02.033: IPSEC(key_engine): got a
queue event with 1 KMI message(s) *May 4 00:45:02.033: IPsec: Flow_switching Allocated flow for
sibling 80000007 *May 4 00:45:02.033: IPSEC(policy_db_add_ident): src 0.0.0.0, dest 10.12.130.1,
dest_port 0 *May 4 00:45:02.033: IPSEC(create_sa): sa created, (sa) sa_dest= 172.16.186.186,
sa_proto= 50, sa_spi= 0x6875F644(1752561220), sa_trans= esp-3des esp-sha-hmac , sa_conn_id= 11
*May 4 00:45:02.033: IPSEC(create_sa): sa created, (sa) sa_dest= 172.16.186.130, sa_proto= 50,
sa_spi= 0x29354010(691355664), sa_trans= esp-3des esp-sha-hmac , sa_conn_id= 12 *May 4
00:45:02.045: ISAKMP (0:1008): received packet from 172.16.186.130 dport 500 sport 500 Global
(R) QM_IDLE *May 4 00:45:02.045: ISAKMP:(1008):deleting node -1665883002 error FALSE reason "QM
done (await)" *May 4 00:45:02.045: ISAKMP:(1008):Node -1665883002, Input = IKE_MSG_FROM_PEER,

```
IKE_QM_EXCH *May 4 00:45:02.045: ISAKMP:(1008):Old State = IKE_QM_R_QM2 New State =
IKE_QM_PHASE2_COMPLETE *May 4 00:45:02.045: IPSEC(key_engine): got a queue event with 1 KMI
message(s) *May 4 00:45:02.045: IPSEC(key_engine_enable_outbound): rec'd enable notify from
ISAKMP *May 4 00:45:02.045: IPSEC(key_engine_enable_outbound): enable SA with spi 691355664/50
```

Easy VPN Remote 命令

- **debug crypto ipsec** - 显示第 2 阶段的 IPsec 协商。
- **debug crypto isakmp** - 显示第 1 阶段的 ISAKMP 协商。

```
3-03-06-871W#debug crypto ipsec3-03-06-871W#debug crypto isakmp
*Jun 3 05:59:27.431: ISAKMP:(0): beginning Aggressive Mode exchange
*Jun 3 05:59:27.431: ISAKMP:(0): sending packet to 172.16.186.186 my_port
      500 peer_port 500 (I) AG_INIT_EXCH
*Jun 3 05:59:27.455: ISAKMP (0:0): received packet from 172.16.186.186 dport
      500 sport 500 Global (I) AG_INIT_EXCH
*Jun 3 05:59:27.455: ISAKMP:(0): processing SA payload. message ID = 0
*Jun 3 05:59:27.455: ISAKMP:(0): processing ID payload. message ID = 0
*Jun 3 05:59:27.455: ISAKMP (0:0): ID payload
      next-payload : 10
      type          : 1
      address       : 172.16.186.186
      protocol      : 17
      port          : 0
      length        : 12
*Jun 3 05:59:27.455: ISAKMP:(0):: peer matches *none* of the profiles
*Jun 3 05:59:27.455: ISAKMP:(0): processing vendor id payload
*Jun 3 05:59:27.455: ISAKMP:(0): vendor ID is Unity
*Jun 3 05:59:27.455: ISAKMP:(0): processing vendor id payload
*Jun 3 05:59:27.455: ISAKMP:(0): vendor ID is DPD
*Jun 3 05:59:27.455: ISAKMP:(0): processing vendor id payload
*Jun 3 05:59:27.455: ISAKMP:(0): speaking to another IOS box!
*Jun 3 05:59:27.455: ISAKMP:(0): local preshared key found
*Jun 3 05:59:27.455: ISAKMP : Scanning profiles for xauth ...
*Jun 3 05:59:27.455: ISAKMP:(0): Authentication by xauth preshared
*Jun 3 05:59:27.455: ISAKMP:(0):Checking ISAKMP transform 1 against priority 65515 policy
*Jun 3 05:59:27.455: ISAKMP:      encryption 3DES-CBC
*Jun 3 05:59:27.455: ISAKMP:      hash SHA
*Jun 3 05:59:27.455: ISAKMP:      default group 2
*Jun 3 05:59:27.459: ISAKMP:      auth XAUTHInitPreShared
*Jun 3 05:59:27.459: ISAKMP:      life type in seconds
*Jun 3 05:59:27.459: ISAKMP:      life duration (VPI) of 0x0 0x20 0xC4 0x9B
*Jun 3 05:59:27.459: ISAKMP:(0):Encryption algorithm offered does not match policy!
*Jun 3 05:59:27.459: ISAKMP:(0):atts are not acceptable. Next payload is 0
*Jun 3 05:59:27.459: ISAKMP:(0):Checking ISAKMP transform 1 against priority 65516 policy
*Jun 3 05:59:27.459: ISAKMP:      encryption 3DES-CBC
*Jun 3 05:59:27.459: ISAKMP:      hash SHA
*Jun 3 05:59:27.459: ISAKMP:      default group 2
*Jun 3 05:59:27.459: ISAKMP:      auth XAUTHInitPreShared
*Jun 3 05:59:27.459: ISAKMP:      life type in seconds
*Jun 3 05:59:27.459: ISAKMP:      life duration (VPI) of 0x0 0x20 0xC4 0x9B
*Jun 3 05:59:27.459: ISAKMP:(0):Encryption algorithm offered does not match policy!
*Jun 3 05:59:27.459: ISAKMP:(0):atts are not acceptable. Next payload is 0
*Jun 3 05:59:27.459: ISAKMP:(0):Checking ISAKMP transform 1 against priority 65517 policy
*Jun 3 05:59:27.459: ISAKMP:      encryption 3DES-CBC
*Jun 3 05:59:27.459: ISAKMP:      hash SHA
*Jun 3 05:59:27.459: ISAKMP:      default group 2
*Jun 3 05:59:27.459: ISAKMP:      auth XAUTHInitPreShared
*Jun 3 05:59:27.459: ISAKMP:      life type in seconds
*Jun 3 05:59:27.459: ISAKMP:      life duration (VPI) of 0x0 0x20 0xC4 0x9B
*Jun 3 05:59:27.459: ISAKMP:(0):Encryption algorithm offered does not match policy!
*Jun 3 05:59:27.459: ISAKMP:(0):atts are not acceptable. Next payload is 0
*Jun 3 05:59:27.459: ISAKMP:(0):Checking ISAKMP transform 1 against priority 65518 policy
```

```
*Jun 3 05:59:27.459: ISAKMP: encryption 3DES-CBC
*Jun 3 05:59:27.459: ISAKMP: hash SHA
*Jun 3 05:59:27.459: ISAKMP: default group 2
*Jun 3 05:59:27.459: ISAKMP: auth XAUTHInitPreShared
*Jun 3 05:59:27.459: ISAKMP: life type in seconds
*Jun 3 05:59:27.459: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
*Jun 3 05:59:27.459: ISAKMP:(0):Encryption algorithm offered does not match policy!
*Jun 3 05:59:27.459: ISAKMP:(0):atts are not acceptable. Next payload is 0
*Jun 3 05:59:27.459: ISAKMP:(0):Checking ISAKMP transform 1 against priority 65519 policy
*Jun 3 05:59:27.459: ISAKMP: encryption 3DES-CBC
*Jun 3 05:59:27.459: ISAKMP: hash SHA
*Jun 3 05:59:27.459: ISAKMP: default group 2
*Jun 3 05:59:27.459: ISAKMP: auth XAUTHInitPreShared
*Jun 3 05:59:27.459: ISAKMP: life type in seconds
*Jun 3 05:59:27.463: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
*Jun 3 05:59:27.463: ISAKMP:(0):Encryption algorithm offered does not match policy!
*Jun 3 05:59:27.463: ISAKMP:(0):atts are not acceptable. Next payload is 0
*Jun 3 05:59:27.463: ISAKMP:(0):Checking ISAKMP transform 1 against priority 65520 policy
*Jun 3 05:59:27.463: ISAKMP: encryption 3DES-CBC
*Jun 3 05:59:27.463: ISAKMP: hash SHA
*Jun 3 05:59:27.463: ISAKMP: default group 2
*Jun 3 05:59:27.463: ISAKMP: auth XAUTHInitPreShared
*Jun 3 05:59:27.463: ISAKMP: life type in seconds
*Jun 3 05:59:27.463: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
*Jun 3 05:59:27.463: ISAKMP:(0):Encryption algorithm offered does not match policy!
*Jun 3 05:59:27.463: ISAKMP:(0):atts are not acceptable. Next payload is 0
*Jun 3 05:59:27.463: ISAKMP:(0):Checking ISAKMP transform 1 against priority 65521 policy
*Jun 3 05:59:27.463: ISAKMP: encryption 3DES-CBC
*Jun 3 05:59:27.463: ISAKMP: hash SHA
*Jun 3 05:59:27.463: ISAKMP: default group 2
*Jun 3 05:59:27.463: ISAKMP: auth XAUTHInitPreShared
*Jun 3 05:59:27.463: ISAKMP: life type in seconds
*Jun 3 05:59:27.463: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
*Jun 3 05:59:27.463: ISAKMP:(0):Encryption algorithm offered does not match policy!
*Jun 3 05:59:27.463: ISAKMP:(0):atts are not acceptable. Next payload is 0
*Jun 3 05:59:27.463: ISAKMP:(0):Checking ISAKMP transform 1 against priority 65522 policy
*Jun 3 05:59:27.463: ISAKMP: encryption 3DES-CBC
*Jun 3 05:59:27.463: ISAKMP: hash SHA
*Jun 3 05:59:27.463: ISAKMP: default group 2
*Jun 3 05:59:27.463: ISAKMP: auth XAUTHInitPreShared
*Jun 3 05:59:27.463: ISAKMP: life type in seconds
*Jun 3 05:59:27.463: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
*Jun 3 05:59:27.463: ISAKMP:(0):Encryption algorithm offered does not match policy!
*Jun 3 05:59:27.463: ISAKMP:(0):atts are not acceptable. Next payload is 0
*Jun 3 05:59:27.463: ISAKMP:(0):Checking ISAKMP transform 1 against priority 65523 policy
*Jun 3 05:59:27.463: ISAKMP: encryption 3DES-CBC
*Jun 3 05:59:27.463: ISAKMP: hash SHA
*Jun 3 05:59:27.463: ISAKMP: default group 2
*Jun 3 05:59:27.463: ISAKMP: auth XAUTHInitPreShared
*Jun 3 05:59:27.463: ISAKMP: life type in seconds
*Jun 3 05:59:27.463: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
*Jun 3 05:59:27.463: ISAKMP:(0):Encryption algorithm offered does not match policy!
*Jun 3 05:59:27.463: ISAKMP:(0):atts are not acceptable. Next payload is 0
*Jun 3 05:59:27.463: ISAKMP:(0):Checking ISAKMP transform 1 against priority 65524 policy
*Jun 3 05:59:27.467: ISAKMP: encryption 3DES-CBC
*Jun 3 05:59:27.467: ISAKMP: hash SHA
*Jun 3 05:59:27.467: ISAKMP: default group 2
*Jun 3 05:59:27.467: ISAKMP: auth XAUTHInitPreShared
*Jun 3 05:59:27.467: ISAKMP: life type in seconds
*Jun 3 05:59:27.467: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
*Jun 3 05:59:27.467: ISAKMP:(0):Encryption algorithm offered does not match policy!
*Jun 3 05:59:27.467: ISAKMP:(0):atts are not acceptable. Next payload is 0
*Jun 3 05:59:27.467: ISAKMP:(0):Checking ISAKMP transform 1 against priority 65525 policy
*Jun 3 05:59:27.467: ISAKMP: encryption 3DES-CBC
```

```
*Jun 3 05:59:27.467: ISAKMP: hash SHA
*Jun 3 05:59:27.467: ISAKMP: default group 2
*Jun 3 05:59:27.467: ISAKMP: auth XAUTHInitPreShared
*Jun 3 05:59:27.467: ISAKMP: life type in seconds
*Jun 3 05:59:27.467: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
*Jun 3 05:59:27.467: ISAKMP:(0):Encryption algorithm offered does not match policy!
*Jun 3 05:59:27.467: ISAKMP:(0):atts are not acceptable. Next payload is 0
*Jun 3 05:59:27.467: ISAKMP:(0):Checking ISAKMP transform 1 against priority 65526 policy
*Jun 3 05:59:27.467: ISAKMP: encryption 3DES-CBC
*Jun 3 05:59:27.467: ISAKMP: hash SHA
*Jun 3 05:59:27.467: ISAKMP: default group 2
*Jun 3 05:59:27.467: ISAKMP: auth XAUTHInitPreShared
*Jun 3 05:59:27.467: ISAKMP: life type in seconds
*Jun 3 05:59:27.467: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
*Jun 3 05:59:27.467: ISAKMP:(0):Encryption algorithm offered does not match policy!
*Jun 3 05:59:27.467: ISAKMP:(0):atts are not acceptable. Next payload is 0
*Jun 3 05:59:27.467: ISAKMP:(0):Checking ISAKMP transform 1 against priority 65527 policy
*Jun 3 05:59:27.467: ISAKMP: encryption 3DES-CBC
*Jun 3 05:59:27.467: ISAKMP: hash SHA
*Jun 3 05:59:27.467: ISAKMP: default group 2
*Jun 3 05:59:27.467: ISAKMP: auth XAUTHInitPreShared
*Jun 3 05:59:27.467: ISAKMP: life type in seconds
*Jun 3 05:59:27.467: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
*Jun 3 05:59:27.467: ISAKMP:(0):atts are acceptable. Next payload is 0 *Jun 3 05:59:27.467:
ISAKMP (0:0): vendor ID is NAT-T v7 *Jun 3 05:59:27.467: ISAKMP:(0): processing KE payload.
message ID = 0 *Jun 3 05:59:27.475: ISAKMP:(0): processing NONCE payload. message ID = 0 *Jun 3
05:59:27.475: ISAKMP:(2006): processing HASH payload. message ID = 0 *Jun 3 05:59:27.475:
ISAKMP:(2006):SA authentication status: authenticated *Jun 3 05:59:27.475: ISAKMP:(2006):SA has
been authenticated with 172.16.186.186 *Jun 3 05:59:27.475: ISAKMP:(2006):Send initial contact
*Jun 3 05:59:27.475: ISAKMP:(2006): sending packet to 172.16.186.186 my_port 500 peer_port 500
(I) AG_INIT_EXCH *Jun 3 05:59:27.479: ISAKMP:(2006):Input = IKE_MSG_FROM_PEER, IKE_AM_EXCH *Jun
3 05:59:27.479: ISAKMP:(2006):Old State = IKE_I_AM1 New State = IKE_P1_COMPLETE *Jun 3
05:59:27.479: ISAKMP:(2006):Need XAUTH *Jun 3 05:59:27.479: ISAKMP:(2006):Input =
IKE_MSG_INTERNAL, IKE_PHASE1_COMPLETE !--- Phase 1 (ISAKMP) is complete. *Jun 3 05:59:27.479:
ISAKMP:(2006):Old State = IKE_P1_COMPLETE New State = IKE_P1_COMPLETE !--- Xauth initiates. *Jun
3 05:59:27.479: ISAKMP (0:2006): received packet from 172.16.186.186 dport 500 sport 500 Global
(I) CONF_XAUTH *Jun 3 05:59:27.483: ISAKMP: set new node 850198625 to CONF_XAUTH *Jun 3
05:59:27.487: ISAKMP:(2006):processing transaction payload from 172.16.186.186. message ID = -
1517216966 *Jun 3 05:59:27.487: ISAKMP: Config payload REQUEST *Jun 3 05:59:27.487:
ISAKMP:(2006):checking request: *Jun 3 05:59:27.487: ISAKMP: XAUTH_USER_NAME_V2 *Jun 3
05:59:27.487: ISAKMP: XAUTH_USER_PASSWORD_V2 *Jun 3 05:59:27.487: ISAKMP:(2006):Xauth process
request *Jun 3 05:59:27.487: ISAKMP:(2006):Input = IKE_MSG_FROM_PEER, IKE_CFG_REQUEST *Jun 3
05:59:27.487: ISAKMP:(2006):Old State = IKE_P1_COMPLETE New State = IKE_XAUTH_REPLY_AWAIT *Jun 3
05:59:30.242: EZVPN(ez): Pending XAuth Request, Please enter the following command: *Jun 3
05:59:30.242: EZVPN: crypto ipsec client ezvpn xauth !--- Enter the crypto ipsec client ezvpn
xauth command. 3-03-06-871W#crypto ipsec client ezvpn xauth Username: cisco Password: <omitted>
*Jun 3 06:02:46.498: username: cisco *Jun 3 06:02:46.498: password: <omitted> *Jun 3
06:02:46.498: ISAKMP:(2008): responding to peer config from 172.16.186.186. ID = -605466681 *Jun
3 06:02:46.498: ISAKMP:(2008): sending packet to 172.16.186.186 my_port 500 peer_port 500 (I)
CONF_XAUTH *Jun 3 06:02:46.498: ISAKMP:(2008):deleting node -605466681 error FALSE reason "Done
with xauth request/reply exchange" *Jun 3 06:02:46.498: ISAKMP:(2008):Input = IKE_MSG_INTERNAL,
IKE_XAUTH_REPLY_ATTR *Jun 3 06:02:46.498: ISAKMP:(2008):Old State = IKE_XAUTH_REPLY_AWAIT New
State = IKE_XAUTH_REPLY_SENT *Jun 3 06:02:46.502: ISAKMP (0:2008): received packet from
172.16.186.186 dport 500 sport 500 Global (I) CONF_XAUTH *Jun 3 06:02:46.502: ISAKMP: set new
node 1283697340 to CONF_XAUTH *Jun 3 06:02:46.502: ISAKMP:(2008):processing transaction payload
from 172.16.186.186. message ID = 1283697340 *Jun 3 06:02:46.502: ISAKMP: Config payload SET
*Jun 3 06:02:46.502: ISAKMP:(2008):Xauth process set, status = 1 *Jun 3 06:02:46.502:
ISAKMP:(2008):checking SET: *Jun 3 06:02:46.502: ISAKMP: XAUTH_STATUS_V2 XAUTH-OK *Jun 3
06:02:46.502: ISAKMP:(2008):attributes sent in message: *Jun 3 06:02:46.502: Status: 1 *Jun 3
06:02:46.506: ISAKMP:(2008): sending packet to 172.16.186.186 my_port 500 peer_port 500 (I)
CONF_XAUTH *Jun 3 06:02:46.506: ISAKMP:(2008):deleting node 1283697340 error FALSE reason "No
Error" *Jun 3 06:02:46.506: ISAKMP:(2008):Input = IKE_MSG_FROM_PEER, IKE_CFG_SET *Jun 3
06:02:46.506: ISAKMP:(2008):Old State = IKE_XAUTH_REPLY_SENT New State = IKE_P1_COMPLETE *Jun 3
06:02:46.506: ISAKMP:(2008):Need config/address *Jun 3 06:02:46.506: ISAKMP: set new node
```

104696831 to CONF_ADDR *Jun 3 06:02:46.506: ISAKMP: Sending APPLICATION_VERSION string: Cisco IOS Software, C870 Software (C870-ADVIPSERVICESK9-M), Experimental Version 12.4(20060201:210845) [prchadal-CSCsb79792-haw_t_pi4 101] Copyright (c) 1986-2006 by Cisco Systems, Inc. Compiled Thu 02-Feb-06 03:19 by prchadal *Jun 3 06:02:46.506: ISAKMP:(2008): initiating peer config to 172.16.186.186. ID = 104696831 *Jun 3 06:02:46.506: ISAKMP:(2008): sending packet to 172.16.186.186 my_port 500 peer_port 500 (I) CONF_ADDR *Jun 3 06:02:46.506: ISAKMP:(2008):Input = IKE_MSG_INTERNAL, IKE_PHASE1_COMPLETE *Jun 3 06:02:46.506: ISAKMP:(2008):Old State = IKE_P1_COMPLETE New State = IKE_CONFIG_MODE_REQ_SENT *Jun 3 06:02:46.510: ISAKMP (0:2008): received packet from 172.16.186.186 dport 500 sport 500 Global (I) CONF_ADDR *Jun 3 06:02:46.514: ISAKMP:(2008):processing transaction payload from 172.16.186.186. message ID = 104696831 *Jun 3 06:02:46.514: ISAKMP: Config payload REPLY *Jun 3 06:02:46.514: ISAKMP(0:2008) process config reply *Jun 3 06:02:46.514: ISAKMP:(2008):deleting node 104696831 error FALSE reason "Transaction mode done" *Jun 3 06:02:46.514: ISAKMP:(2008):Input = IKE_MSG_FROM_PEER, IKE_CFG_REPLY *Jun 3 06:02:46.514: ISAKMP:(2008):Old State = IKE_CONFIG_MODE_REQ_SENT New State = IKE_P1_COMPLETE *Jun 3 06:02:46.518: insert of map into mapdb AVL failed, map + ace pair already exists on the mapdb *Jun 3 06:02:46.518: ISAKMP:(2008):Input = IKE_MSG_INTERNAL, IKE_PHASE1_COMPLETE *Jun 3 06:02:46.518: ISAKMP:(2008):Old State = IKE_P1_COMPLETE New State = IKE_P1_COMPLETE *Jun 3 06:02:46.522: IPSEC(sa_request): , (key eng. msg.) OUTBOUND local= 172.16.186.130, remote= 172.16.186.186, local_proxy= 10.12.130.1/255.255.255.255/0/0 (type=1), remote_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= NONE (Tunnel), lifedur= 2147483s and 4608000kb, spi= 0xA0FC0985(2700872069), conn_id= 0, keysize= 128, flags= 0x2000 *Jun 3 06:02:46.522: IPSEC(sa_request): , (key eng. msg.) OUTBOUND local= 172.16.186.130, remote= 172.16.186.186, local_proxy= 10.12.130.1/255.255.255.255/0/0 (type=1), remote_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= NONE (Tunnel), lifedur= 2147483s and 4608000kb, spi= 0xBB426C9(196355785), conn_id= 0, keysize= 128, flags= 0x2000 *Jun 3 06:02:46.522: IPSEC(sa_request): , (key eng. msg.) OUTBOUND local= 172.16.186.130, remote= 172.16.186.186, local_proxy= 10.12.130.1/255.255.255.255/0/0 (type=1), remote_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= NONE (Tunnel), lifedur= 2147483s and 4608000kb, spi= 0xB349BB06(3007953670), conn_id= 0, keysize= 192, flags= 0x2000 *Jun 3 06:02:46.522: IPSEC(sa_request): , (key eng. msg.) OUTBOUND local= 172.16.186.130, remote= 172.16.186.186, local_proxy= 10.12.130.1/255.255.255.255/0/0 (type=1), remote_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= NONE (Tunnel), lifedur= 2147483s and 4608000kb, spi= 0xC114CFB8(3239366584), conn_id= 0, keysize= 192, flags= 0x2000 *Jun 3 06:02:46.522: IPSEC(sa_request): , (key eng. msg.) OUTBOUND local= 172.16.186.130, remote= 172.16.186.186, local_proxy= 10.12.130.1/255.255.255.255/0/0 (type=1), remote_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= NONE (Tunnel), lifedur= 2147483s and 4608000kb, spi= 0x2ED87C62(785939554), conn_id= 0, keysize= 256, flags= 0x2000 *Jun 3 06:02:46.522: IPSEC(sa_request): , (key eng. msg.) OUTBOUND local= 172.16.186.130, remote= 172.16.186.186, local_proxy= 10.12.130.1/255.255.255.255/0/0 (type=1), remote_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= NONE (Tunnel), lifedur= 2147483s and 4608000kb, spi= 0x226A6FF3(577400819), conn_id= 0, keysize= 256, flags= 0x2000 *Jun 3 06:02:46.522: IPSEC(sa_request): , (key eng. msg.) OUTBOUND local= 172.16.186.130, remote= 172.16.186.186, local_proxy= 10.12.130.1/255.255.255.255/0/0 (type=1), remote_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= NONE (Tunnel), lifedur= 2147483s and 4608000kb, spi= 0x29354010(691355664), conn_id= 0, keysize= 0, flags= 0x2000 *Jun 3 06:02:46.526: IPSEC(sa_request): , (key eng. msg.) OUTBOUND local= 172.16.186.130, remote= 172.16.186.186, local_proxy= 10.12.130.1/255.255.255.255/0/0 (type=1), remote_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= NONE (Tunnel), lifedur= 2147483s and 4608000kb, spi= 0x12111E5C(303111772), conn_id= 0, keysize= 0, flags= 0x2000 *Jun 3 06:02:46.526: IPSEC(sa_request): , (key eng. msg.) OUTBOUND local= 172.16.186.130, remote= 172.16.186.186, local_proxy= 10.12.130.1/255.255.255.255/0/0 (type=1), remote_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= NONE (Tunnel), lifedur= 2147483s and 4608000kb, spi= 0x98084B9A(2550680474), conn_id= 0, keysize= 0, flags= 0x2000 *Jun 3 06:02:46.526: IPSEC(sa_request): , (key eng. msg.) OUTBOUND local= 172.16.186.130, remote= 172.16.186.186, local_proxy= 10.12.130.1/255.255.255.255/0/0 (type=1), remote_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= NONE (Tunnel), lifedur= 2147483s and 4608000kb, spi= 0x9442501B(2487373851), conn_id= 0, keysize= 0, flags= 0x0 *Jun 3 06:02:46.526: ISAKMP: set new node 0 to QM_IDLE *Jun 3 06:02:46.526: ISAKMP:(2008): sitting IDLE. Starting QM immediately (QM_IDLE) *Jun 3 06:02:46.526: ISAKMP:(2008):beginning Quick Mode exchange, M-ID of -1665883002 *Jun 3 06:02:46.526: ISAKMP:(2008):QM Initiator gets spi *Jun 3 06:02:46.530: ISAKMP:(2008): sending packet to 172.16.186.186 my_port 500 peer_port 500 (I) QM_IDLE *Jun 3 06:02:46.530: ISAKMP:(2008):Node -1665883002, Input = IKE_MSG_INTERNAL, IKE_INIT_QM *Jun 3 06:02:46.530: ISAKMP:(2008):Old State = IKE_QM_READY New State = IKE_QM_I_QM1 *Jun 3 06:02:46.538: ISAKMP (0:2008): received packet from 172.16.186.186 dport 500 sport 500 Global

(I) QM_IDLE *Jun 3 06:02:46.538: ISAKMP:(2008): processing HASH payload. message ID = -1665883002 *Jun 3 06:02:46.538: ISAKMP:(2008): processing SA payload. message ID = -1665883002 *Jun 3 06:02:46.538: ISAKMP:(2008):Checking IPsec proposal 1 *Jun 3 06:02:46.538: ISAKMP: transform 1, ESP_3DES *Jun 3 06:02:46.538: ISAKMP: attributes in transform: *Jun 3 06:02:46.538: ISAKMP: encaps is 1 (Tunnel) *Jun 3 06:02:46.538: ISAKMP: SA life type in seconds *Jun 3 06:02:46.538: ISAKMP: SA life duration (VPI) of 0x0 0x20 0xC4 0x9B *Jun 3 06:02:46.538: ISAKMP: SA life type in kilobytes *Jun 3 06:02:46.538: ISAKMP: SA life duration (VPI) of 0x0 0x46 0x50 0x0 *Jun 3 06:02:46.542: ISAKMP: authenticator is HMAC-SHA *Jun 3 06:02:46.542: ISAKMP:(2008):atts are acceptable. *Jun 3 06:02:46.542: IPSEC(validate_proposal_request): proposal part #1 *Jun 3 06:02:46.542: IPSEC(validate_proposal_request): proposal part #1, (key eng. msg.) INBOUND local= 172.16.186.130, remote= 172.16.186.186, local_proxy= 10.12.130.1/255.255.255.255/0/0 (type=1), remote_proxy= 0.0.0.0/0.0.0.0/0/0 (type=4), protocol= ESP, transform= esp-3des esp-sha-hmac (Tunnel), lifedur= 0s and 0kb, spi= 0x0(0), conn_id= 0, keysize= 0, flags= 0x0 *Jun 3 06:02:46.542: Crypto mapdb : proxy_match src addr : 10.12.130.1 dst addr : 0.0.0.0 protocol : 0 src port : 0 dst port : 0 *Jun 3 06:02:46.542: ISAKMP:(2008): processing NONCE payload. message ID = -1665883002 *Jun 3 06:02:46.542: ISAKMP:(2008): processing ID payload. message ID = -1665883002 *Jun 3 06:02:46.542: ISAKMP:(2008): processing ID payload. message ID = -1665883002 *Jun 3 06:02:46.542: ISAKMP:(2008): processing NOTIFY RESPONDER_LIFETIME protocol 3 spi 1752561220, message ID = -1665883002, sa = 83BCC9DC *Jun 3 06:02:46.542: ISAKMP:(2008):SA authentication status: authenticated *Jun 3 06:02:46.542: ISAKMP:(2008): processing responder lifetime *Jun 3 06:02:46.542: ISAKMP (2008): responder lifetime of 3600s *Jun 3 06:02:46.542: ISAKMP:(2008): Creating IPsec SAs *Jun 3 06:02:46.542: inbound SA from 172.16.186.186 to 172.16.186.130 (f/i) 0/ 0 (proxy 0.0.0.0 to 10.12.130.1) *Jun 3 06:02:46.542: has spi 0x29354010 and conn_id 0 *Jun 3 06:02:46.542: lifetime of 3590 seconds *Jun 3 06:02:46.542: lifetime of 4608000 kilobytes *Jun 3 06:02:46.546: outbound SA from 172.16.186.130 to 172.16.186.186 (f/i) 0/0 (proxy 10.12.130.1 to 0.0.0.0) *Jun 3 06:02:46.546: has spi 0x6875F644 and conn_id 0 *Jun 3 06:02:46.546: lifetime of 3590 seconds *Jun 3 06:02:46.546: lifetime of 4608000 kilobytes *Jun 3 06:02:46.546: ISAKMP:(2008): sending packet to 172.16.186.186 my_port 500 peer_port 500 (I) QM_IDLE *Jun 3 06:02:46.546: ISAKMP:(2008):deleting node -1665883002 error FALSE reason "No Error" *Jun 3 06:02:46.546: ISAKMP:(2008):Node -1665883002, Input = IKE_MSG_FROM_PEER, IKE_QM_EXCH *Jun 3 06:02:46.546: ISAKMP:(2008):Old State = IKE_QM_I_QM1 New State = IKE_QM_PHASE2_COMPLETE *Jun 3 06:02:46.546: IPSEC(key_engine): got a queue event with 1 KMI message(s) *Jun 3 06:02:46.546: Crypto mapdb : proxy_match src addr : 10.12.130.1 dst addr : 0.0.0.0 protocol : 0 src port : 0 dst port : 0 *Jun 3 06:02:46.546: IPSEC(crypto_ipsec_sa_find_ident_head): reconnecting with the same proxies and peer 172.16.186.186 *Jun 3 06:02:46.546: IPSEC(policy_db_add_ident): src 10.12.130.1, dest 0.0.0.0, dest_port 0 *Jun 3 06:02:46.546: IPSEC(create_sa): sa created, (sa) sa_dest= 172.16.186.130, sa_proto= 50, sa_spi= 0x29354010(691355664), sa_trans= esp-3des esp-sha-hmac , sa_conn_id= 11 *Jun 3 06:02:46.546: IPSEC(create_sa): sa created, (sa) sa_dest= 172.16.186.186, sa_proto= 50, sa_spi= 0x6875F644(1752561220), sa_trans= esp-3des esp-sha-hmac , sa_conn_id= 12 *Jun 3 06:02:46.550: IPSEC(update_current_outbound_sa): updated peer 172.16.186.186 current outbound sa to SPI 6875F644 *Jun 3 06:02:46.550: %CRYPTO-6-EZVPN_CONNECTION_UP: (Client) User= Group=vpngrp Client_public_addr=172.16.186.130 Server_public_addr=172.16.186.186 NEM_Remote_Subnets=10.12.130.1/255.255.255.255 *Jun 3 06:02:47.130: ISAKMP: set new node - 1866551769 to QM_IDLE

相关信息

- [Cisco Easy VPN 产品支持](#)
- [IOS 路由器：在网络扩展模式 \(NEM\) 下采用隧道分离技术的 Easy VPN \(EzVPN\) 配置示例](#)
- [Cisco VPN 客户端](#)
- [IPsec 协商/IKE 协议](#)
- [技术支持和文档 - Cisco Systems](#)