

Cisco IOS-router - Configuratie van EZVPN met NEM

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Dit document biedt een voorbeeldconfiguratie voor IPsec tussen een Cisco 871 router en een Cisco 7200VXR router die Easy VPN (EzVPN) gebruikt. De 7200 werkt als de Makkelijk VPN-server en de 871 werkt als de Makkelijk VPN-afstandsbediening. In dit voorbeeld, worden de loopback interfaces op beide routers als privé netwerken gebruikt. Deze kunnen worden vervangen door andere interfaces, zoals FastEthernet of seriële interfaces, zoals vereist.

Om IPsec te configureren tussen een PIX/ASA 7.x en een Cisco 871-router die Easy VPN gebruikt, raadpleegt u [PIX/ASA 7.x Easy VPN met een ASA 5500 als de Server en Cisco 871 als het Easy VPN Configuration-voorbeeld](#).

Om IPsec te configureren tussen de Cisco IOS® Easy VPN Remote Hardware Client en de PIX Easy VPN Server, raadpleegt u [IOS Easy VPN Remote Hardware Client naar een PIX Easy VPN Server Configuratievoorbeeld](#).

Om een Cisco IOS-router als een EzVPN-router in [Network Extension Mode \(NEM\)](#) te configureren die zich verbindt met een Cisco VPN 3000 Concentrator, raadpleegt u [de Cisco EzVPN-client configureren op Cisco IOS met VPN 3000 Concentrator](#).

[Voorwaarden](#)

Vereisten

Zorg ervoor dat u een basisbegrip hebt van IPsec en de Cisco 7200/871 besturingssystemen voordat u deze configuratie probeert.

Gebruikte componenten

De informatie in dit document is gebaseerd op de volgende software- en hardware-versies:

- Cisco Easy VPN Server is een 7200 router (VXR) die Cisco IOS® software release 12.4(4)T1 draait
- Cisco Easy VPN Remote is een 871W router die Cisco IOS-software release 12.4(2)T1 draait

De informatie in dit document is gebaseerd op de apparaten in een specifieke laboratoriumomgeving. Alle apparaten die in dit document worden beschreven, hadden een opgeschoonde (standaard)configuratie. Als uw netwerk live is, moet u de potentiële impact van elke opdracht begrijpen.

Conventies

Raadpleeg [Cisco Technical Tips Conventions \(Conventies voor technische tips van Cisco\)](#) voor meer informatie over documentconventies.

Configureren

Deze sectie bevat informatie over het configureren van de functies die in dit document worden beschreven.

N.B.: Gebruik het [Opdrachtupgereedschap \(alleen geregistreeerde\)](#) klanten) om meer informatie te vinden over de opdrachten die in dit document worden gebruikt.

Netwerkdigram

Het netwerk in dit document is als volgt opgebouwd:



Opmerking: Loopback-interfaces simuleren de binnenkant van pc's.

Configuraties

Dit document gebruikt deze configuraties:

- [Makkelijk VPN-server \(Cisco 7200VXR router\)](#)

- [Makkelijk VPN-afstandsbediening \(Cisco 871W router\)](#)

Makkelijk VPN-server (Cisco 7200VXR router)

```
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  
groupauthor  
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
```

Makkelijk VPN-afstandsbediening (Cisco 871W router)

```
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

      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

```

Verifiëren

Gebruik deze secties om te bevestigen dat uw configuratie correct werkt.

- [Cisco 7200 Easy VPN-server toont opdrachten en voorbeelduitvoer](#)
- [Cisco 871W Easy VPN-afstandsbediening met opdrachten en voorbeelduitvoer](#)

Het [Uitvoer Tolk](#) ([uitsluitend geregistreeerde](#) klanten) (OIT) ondersteunt bepaalde **show** opdrachten. Gebruik de OIT om een analyse van **tonen** opdrachtoutput te bekijken.

Cisco 7200 Easy VPN-server toont opdrachten en voorbeelduitvoer

- **toon crypto isakmp sa** —Toont alle huidige IKE (Internet Key Exchange) veiligheidsassociaties (SA) bij een peer.

```

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
```

- **Laat crypto ipsec sa-displays** IPsec SA's zien die tussen peers zijn gebouwd.

```
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-afstandsbediening met opdrachten en voorbeelduitvoer](#)

- **toon crypto isakmp sa**-Toont alle huidige IKE SAs bij een peer.

```

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
```

- **Laat crypto ipsec sa-displays IPsec SA's zien die tussen peers zijn gebouwd.**

```

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:
```

- **Laat crypto ipsec client evpn-displays de Cisco Easy VPN-afstandsconfiguratie zien.**

```
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
```

[Problemen oplossen](#)

Gebruik dit gedeelte om de configuratie van het probleem op te lossen.

Het [Uitvoer Tolk](#) ([uitsluitend geregistreeerde](#) klanten) (OIT) ondersteunt bepaalde **show** opdrachten. Gebruik de OIT om een analyse van **tonen** opdrachtoutput te bekijken.

Opmerking: Raadpleeg [Belangrijke informatie over debug Commands](#) voordat u **debug**-opdrachten gebruikt.

Als u de Makkelijk VPN-server op afstand en Makkelijk VPN hebt ingesteld zoals in dit document wordt beschreven en u nog problemen ondervindt, verzamelt u de **debug**-uitvoer van elk apparaat en de uitvoer van de opdrachten van de **show** voor analyse door Cisco Technical Support.

Deze secties geven **debug**-opdrachten en voorbeelduitvoer weer:

- [Gemakkelijke VPN-serveropdrachten](#)
- [Eenvoudige VPN-afstandsbediening](#)

Gemakkelijke VPN-serveropdrachten

- **debug crypto ipsec**-displays de IPsec onderhandelingen van fase 2.
- **debug crypto isakmp** - Hiermee geeft u de ISAKMP-onderhandelingen van fase 1 weer.

```
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 00:44:20.937: ISAKMP(0): vendor ID is NAT-T v3
*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 123 mismatch
*May  4 00:44:20.937: ISAKMP(0): vendor ID is NAT-T v2
*May  4 00:44:20.937: ISAKMP(0): Authentication by xauth preshared
*May  4 00:44:20.937: ISAKMP(0):Checking ISAKMP transform 1 against priority 3 policy
*May  4 00:44:20.937: ISAKMP:      encryption AES-CBC
*May  4 00:44:20.937: ISAKMP:      keylength of 128
*May  4 00:44:20.937: ISAKMP:      hash SHA
*May  4 00:44:20.937: ISAKMP:      default group 2
*May  4 00:44:20.937: ISAKMP:      auth XAUTHInitPreShared
*May  4 00:44:20.937: ISAKMP:      life type in seconds
*May  4 00:44:20.937: ISAKMP:      life duration (VPI) of 0x0 0x20 0xC4 0x9B
*May  4 00:44:20.937: ISAKMP(0):Encryption algorithm offered does not match policy!
```

*May 4 00:44:20.937: ISAKMP:(0):atts are not acceptable. Next payload is 3
*May 4 00:44:20.937: ISAKMP:(0):Checking ISAKMP transform 2 against priority 3 policy
*May 4 00:44:20.937: ISAKMP: encryption AES-CBC
*May 4 00:44:20.937: ISAKMP: keylength of 128
*May 4 00:44:20.937: ISAKMP: hash MD5
*May 4 00:44:20.937: ISAKMP: default group 2
*May 4 00:44:20.937: ISAKMP: auth XAUTHInitPreShared
*May 4 00:44:20.937: ISAKMP: life type in seconds
*May 4 00:44:20.937: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
*May 4 00:44:20.937: ISAKMP:(0):Encryption algorithm offered does not match policy!
*May 4 00:44:20.937: ISAKMP:(0):atts are not acceptable. Next payload is 3
*May 4 00:44:20.937: ISAKMP:(0):Checking ISAKMP transform 3 against priority 3 policy
*May 4 00:44:20.937: ISAKMP: encryption AES-CBC
*May 4 00:44:20.937: ISAKMP: keylength of 192
*May 4 00:44:20.937: ISAKMP: hash SHA
*May 4 00:44:20.937: ISAKMP: default group 2
*May 4 00:44:20.937: ISAKMP: auth XAUTHInitPreShared
*May 4 00:44:20.937: ISAKMP: life type in seconds
*May 4 00:44:20.937: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
*May 4 00:44:20.937: ISAKMP:(0):Encryption algorithm offered does not match policy!
*May 4 00:44:20.937: ISAKMP:(0):atts are not acceptable. Next payload is 3
*May 4 00:44:20.937: ISAKMP:(0):Checking ISAKMP transform 4 against priority 3 policy
*May 4 00:44:20.937: ISAKMP: encryption AES-CBC
*May 4 00:44:20.937: ISAKMP: keylength of 192
*May 4 00:44:20.937: ISAKMP: hash MD5
*May 4 00:44:20.937: ISAKMP: default group 2
*May 4 00:44:20.937: ISAKMP: auth XAUTHInitPreShared
*May 4 00:44:20.937: ISAKMP: life type in seconds
*May 4 00:44:20.937: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
*May 4 00:44:20.937: ISAKMP:(0):Encryption algorithm offered does not match policy!
*May 4 00:44:20.937: ISAKMP:(0):atts are not acceptable. Next payload is 3
*May 4 00:44:20.937: ISAKMP:(0):Checking ISAKMP transform 5 against priority 3 policy
*May 4 00:44:20.937: ISAKMP: encryption AES-CBC
*May 4 00:44:20.937: ISAKMP: keylength of 256
*May 4 00:44:20.937: ISAKMP: hash SHA
*May 4 00:44:20.937: ISAKMP: default group 2
*May 4 00:44:20.937: ISAKMP: auth XAUTHInitPreShared
*May 4 00:44:20.937: ISAKMP: life type in seconds
*May 4 00:44:20.937: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
*May 4 00:44:20.937: ISAKMP:(0):Encryption algorithm offered does not match policy!
*May 4 00:44:20.937: ISAKMP:(0):atts are not acceptable. Next payload is 3
*May 4 00:44:20.937: ISAKMP:(0):Checking ISAKMP transform 6 against priority 3 policy
*May 4 00:44:20.937: ISAKMP: encryption AES-CBC
*May 4 00:44:20.937: 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 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):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 7 against priority 3 policy
*May 4 00:44:20.941: ISAKMP: encryption AES-CBC
*May 4 00:44:20.941: ISAKMP: keylength of 128
*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 8 against priority 3 policy
*May 4 00:44:20.941: ISAKMP: encryption AES-CBC
*May 4 00:44:20.941: ISAKMP: keylength of 128

*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 9 against priority 3 policy
*May 4 00:44:20.941: ISAKMP: encryption AES-CBC
*May 4 00:44:20.941: ISAKMP: keylength of 192
*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 10 against priority 3 policy
*May 4 00:44:20.941: ISAKMP: encryption AES-CBC
*May 4 00:44:20.941: ISAKMP: keylength of 192
*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 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

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*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_MESG_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_MESG_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_MESG_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_MESG_INTERNAL, IKE_PHASE1_COMPLETE
*May 4 00:44:20.985: ISAKMP:(1008):Old State = IKE_P1_COMPLETE New State = IKE_XAUTH_REQ_SENT

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*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 butconfig 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

Eenvoudige VPN-afstandsbediening

- **debug crypto ipsec-displays** de IPsec onderhandelingen van fase 2.
- **debug crypto isakmp** — Hiermee geeft u de ISAKMP-onderhandelingen van fase 1 weer.

```
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
```

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*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:
```

```

*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),
```

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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_MESG_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

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reason "No Error"
*Jun  3 06:02:46.546: ISAKMP:(2008):Node -1665883002, Input = IKE_MESG_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

```

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- [Cisco Makkelijk VPN-productondersteuning](#)
- [IOS-router: Easy VPN \(EzVPN\) in Network-Extension Mode \(NEM\) met splitter-tunneling](#)
- [Cisco VPN-client](#)
- [IPsec-onderhandeling/IKE-protocollen](#)
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