

IOS Easy VPN-externe hardwareclient voor een PIX-makkelijke VPN-server

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Dit document biedt een voorbeeldconfiguratie voor IPSec tussen de Cisco IOS® Easy VPN hardware-client en de PIX Easy VPN-server.

Opmerking: De Easy VPN-afstandsfunctie wordt ook aangeduid als Hardware Client en EzVPN-client.

Raadpleeg [EzVPN met NEM op IOS-router met VPN 3000 Concentrator Configuration Voorbeeld](#) voor informatie over de manier waarop u een Cisco IOS-router kunt configureren als een EzVPN in [Network Extension Mode \(NEM\)](#) om verbinding te maken met een Cisco VPN 3000 Concentrator.

Raadpleeg [PIX/ASA 7.x en hoger: Makkelijk VPN met Split Tunneling ASA 5500 als server en Cisco 871 als het Easy VPN Configuration-voorbeeld](#) voor informatie over de manier waarop u IPSec kunt configureren tussen een Cisco PIX/ASA 7.x en een Cisco 871-router die Easy VPN gebruikt.

Raadpleeg [IOS-router: Easy VPN \(EzVPN\) met Network-Extension Mode \(NEM\) Configuration Voorbeeld](#) voor informatie over de manier waarop u een Cisco 7200 router kunt configureren als een EzVPN en Cisco 871 router als de Easy VPN-externe client.

Voorwaarden

Vereisten

Zorg ervoor dat u aan deze vereisten voldoet voordat u deze configuratie probeert:

- Zorg ervoor dat uw Cisco IOS en hardware de Easy VPN-functie ondersteunen. Raadpleeg de [Softwareadviseur](#) (alleen [geregistreerde](#) klanten).
- Zorg ervoor dat uw Easy VPN Server een PIX-firewall is die PIX-softwareversie 6.2 of hoger gebruikt.
- Zorg ervoor dat er een 3DES-licentie op uw PIX is geïnstalleerd. Raadpleeg [de activeringssleutel voor upgrade](#).

Gebruikte componenten

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

- Cisco IOS Easy VPN Remote Hardware Client is een 831-router die Cisco IOS-softwareversie 12.3(8)T draait.
- Makkelijk VPN Server is een PIX 525 die PIX-software versie 6.3(3) 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](#).

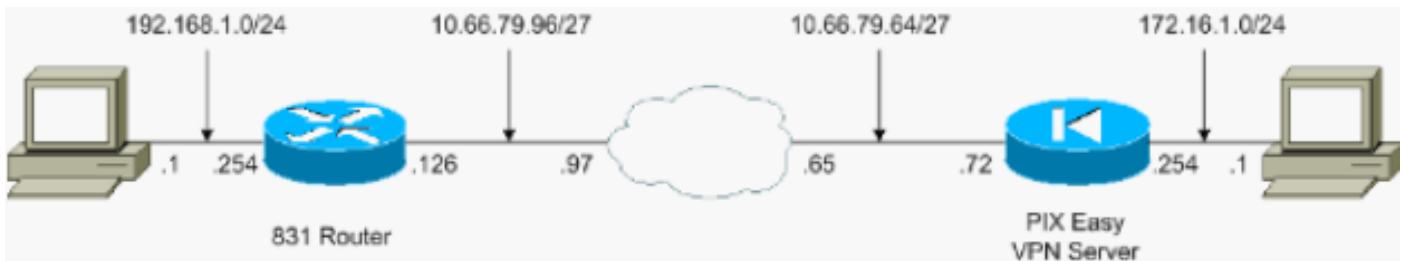
Configureren

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

Opmerking: Gebruik het [Opname Gereedschap](#) (alleen [geregistreerde](#) klanten) om meer informatie te verkrijgen over de opdrachten die in deze sectie worden gebruikt.

Netwerkdigram

Het netwerk in dit document is als volgt opgebouwd:



Configuraties

Dit document gebruikt deze configuraties:

- [PIX-Easy VPN-server](#)
- [Cisco IOS Easy VPN-hardwareclient](#)

PIX-Easy VPN-server

```

pix525#show running-config
: Saved
:
PIX Version 6.3(3)
interface ethernet0 auto
interface ethernet1 auto
interface ethernet2 auto shutdown
interface ethernet3 auto shutdown
interface ethernet4 auto shutdown
interface ethernet5 auto shutdown
interface ethernet6 auto shutdown
nameif ethernet0 outside security0
nameif ethernet1 inside security100
nameif ethernet2 intf2 security4
nameif ethernet3 intf3 security6
nameif ethernet4 intf4 security8
nameif ethernet5 intf5 security10
nameif ethernet6 intf6 security12
enable password 8Ry2YjIyt7RRXU24 encrypted
passwd 2KFQnbNIdI.2KYOU encrypted
hostname pix525
fixup protocol dns maximum-length 512
fixup protocol ftp 21
fixup protocol h323 h225 1720
fixup protocol h323 ras 1718-1719
fixup protocol http 80
fixup protocol rsh 514
fixup protocol rtsp 554
fixup protocol sip 5060
fixup protocol sip udp 5060
fixup protocol skinny 2000
fixup protocol smtp 25
fixup protocol sqlnet 1521
fixup protocol tftp 69
names

!--- Specify the access list to bypass !--- Network
Address Translation (NAT) for VPN traffic. access-list
nonat permit ip 172.16.1.0 255.255.255.0 192.168.1.0
255.255.255.0 !--- Specify the split tunneling access
list. access-list 110 permit ip 172.16.1.0 255.255.255.0
192.168.1.0 255.255.255.0 pager lines 24 mtu outside
1500 mtu inside 1500 mtu intf2 1500 mtu intf3 1500 mtu

```

```

intf4 1500 mtu intf5 1500 mtu intf6 1500 ip address
outside 10.66.79.72 255.255.255.224 ip address inside
172.16.1.254 255.255.255.0 no ip address intf2 no ip
address intf3 no ip address intf4 no ip address intf5 no
ip address intf6 ip audit info action alarm ip audit
attack action alarm no failover failover timeout 0:00:00
failover poll 15 no failover ip address outside no
failover ip address inside no failover ip address intf2
no failover ip address intf3 no failover ip address
intf4 no failover ip address intf5 no failover ip
address intf6 pdm history enable arp timeout 14400 !---
Configure NAT/Port Address Translation (PAT) !--- for
non-encrypted traffic, as well as NAT for IPSec traffic.
global (outside) 1 interface nat (inside) 0 access-list
nonat nat (inside) 1 172.16.1.0 255.255.255.0 0 0 route
outside 0.0.0.0 0.0.0.0 10.66.79.65 1 timeout xlate
3:00:00 timeout conn 1:00:00 half-closed 0:10:00 udp
0:02:00 rpc 0:10:00 h225 1:00:00 timeout h323 0:05:00
mgcp 0:05:00 sip 0:30:00 sip_media 0:02:00 timeout uauth
0:05:00 absolute aaa-server TACACS+ protocol tacacs+
aaa-server RADIUS protocol radius aaa-server LOCAL
protocol local no snmp-server location no snmp-server
contact snmp-server community public no snmp-server
enable traps floodguard enable sysopt connection permit-
ipsec !--- Configure IPSec transform set and dynamic
crypto map. crypto ipsec transform-set tripledes esp-
3des esp-sha-hmac crypto dynamic-map dynmap 10 set
transform-set tripledes crypto map mymap 10 ipsec-isakmp
dynamic dynmap !--- Apply crypto map to the outside
interface. crypto map mymap interface outside !---
Configure Phase 1 Internet Security Association !--- and
Key Management Protocol (ISAKMP) parameters. isakmp
enable outside isakmp identity address isakmp policy 10
authentication pre-share isakmp policy 10 encryption
3des isakmp policy 10 hash sha isakmp policy 10 group 2
isakmp policy 10 lifetime 86400 !--- Configure VPN Group
parameters that are sent down to the client. vpngroup
vpn-hw-client-group dns-server 172.16.1.1 vpngroup vpn-
hw-client-group wins-server 172.16.1.1 vpngroup vpn-hw-
client-group default-domain cisco.com vpngroup vpn-hw-
client-group split-tunnel 110 vpngroup vpn-hw-client-
group idle-time 1800 vpngroup vpn-hw-client-group
password ***** telnet timeout 5 ssh timeout 5 console
timeout 0 terminal width 80
Cryptochecksum:700fe4d4e7fcdc6750953e64046930c0 : end

```

Cisco IOS Easy VPN-hardwareclient

```

831#show running-config
831#show run
Building configuration...

Current configuration : 1226 bytes
!
version 12.3
no service pad
service timestamps debug datetime msec
service timestamps log datetime msec
no service password-encryption
!
hostname 831
!
boot-start-marker

```

```
boot-end-marker
!
!
no aaa new-model
ip subnet-zero
!
!
!
!
ip name-server 172.16.1.1
ip ips po max-events 100
no ftp-server write-enable
!
!
!
!
!
!
!
!
!
!
!
crypto ipsec client ezvpn vpn-hw-client
connect auto
group vpn-hw-client-group key password
mode network-extension
peer 10.66.79.72
!
!
!
!
interface Ethernet0
 ip address 192.168.1.254 255.255.255.0
 crypto ipsec client ezvpn vpn-hw-client inside
!
interface Ethernet1
 ip address 10.66.79.126 255.255.255.224
 duplex auto
 crypto ipsec client ezvpn vpn-hw-client
!
interface FastEthernet1
 no ip address
 duplex auto
 speed auto
!
interface FastEthernet2
 no ip address
 duplex auto
 speed auto
!
interface FastEthernet3
 no ip address
 duplex auto
 speed auto
!
interface FastEthernet4
 no ip address
 duplex auto
 speed auto
!
ip classless
ip route 0.0.0.0 0.0.0.0 10.66.79.97
!
ip http server
no ip http secure-server
```

```

!
!
no cdp run
!
control-plane
!
!
line con 0
  no modem enable
  transport preferred all
  transport output all
line aux 0
line vty 0 4
!
scheduler max-task-time 5000
end

```

Verifiëren

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

- [PIX-Easy VPN-server](#)
- [Cisco IOS Easy VPN-hardwareclient](#)

PIX-Easy VPN-server

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

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

```

pix525(config)#show crypto isakmp sa
Total      : 1
Embryonic  : 0

```

dst	src	state	pending	created
10.66.79.72	10.66.79.126	QM_IDLE	0	1

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

```

pix525(config)#show crypto ipsec sa

```

```

!--- This command is issued after a ping !--- is attempted from the PC behind the !--- Easy
VPN Client to the PC !--- behind the server. interface: outside Crypto map tag: mymap, local
addr. 10.66.79.72 local ident (addr/mask/prot/port): (172.16.1.0/255.255.255.0/0/0) remote
ident (addr/mask/prot/port): (192.168.1.0/255.255.255.0/0/0) current_peer: 10.66.79.126:500
dynamic allocated peer ip: 0.0.0.0 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 decompress failed: 0
#send errors 0, #recv errors 0 !--- ping packets !--- are successfully exchanged between the
!--- Easy VPN Remote Hardware Client !--- and the Easy VPN Server. local crypto endpt.:
10.66.79.72, remote crypto endpt.: 10.66.79.126 path mtu 1500, ipsec overhead 56, media mtu
1500 current outbound spi: 13f1aa83 inbound esp sas: spi: 0xf4dd4178(4108140920) transform:
esp-3des esp-sha-hmac , in use settings = {Tunnel, } slot: 0, conn id: 1, crypto map: mymap
sa timing: remaining key lifetime (k/sec): (4607999/28567) IV size: 8 bytes replay detection
support: Y inbound ah sas: inbound pcp sas: outbound esp sas: spi: 0x13f1aa83(334604931)
transform: esp-3des esp-sha-hmac , in use settings = {Tunnel, } slot: 0, conn id: 2, crypto
map: mymap sa timing: remaining key lifetime (k/sec): (4607999/28567) IV size: 8 bytes
replay detection support: Y outbound ah sas: outbound pcp sas:

```

[Cisco IOS Easy VPN-hardwareclient](#)

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

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

```
831#show crypto isakmp sa
dst          src          state          conn-id slot
10.66.79.72  10.66.79.126 QM_IDLE        1      0
```

- **toon crypto ipsec sa**-displays IPSec SA's die tussen peers zijn gebouwd.

```
831#show crypto ipsec sa
```

```
!--- This command is issued after a ping !--- is attempted from the PC behind the !--- Easy VPN Client to the PC !--- behind the server. interface: Ethernet1 Crypto map tag: Ethernet1-head-0, local addr. 10.66.79.126 protected vrf: local ident (addr/mask/prot/port): (192.168.1.0/255.255.255.0/0/0) remote ident (addr/mask/prot/port): (172.16.1.0/255.255.255.0/0/0) current_peer: 10.66.79.72:500 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 !--- ping packets !--- are successfully exchanged between !--- the Easy VPN Remote Hardware Client !--- and the Easy VPN Server. local crypto endpt.: 10.66.79.126, remote crypto endpt.: 10.66.79.72 path mtu 1500, media mtu 1500 current outbound spi: F4DD4178 inbound esp sas: spi: 0x13F1AA83(334604931) transform: esp-3des esp-sha-hmac , in use settings ={Tunnel, } slot: 0, conn id: 20, flow_id: 1, crypto map: Ethernet1-head-0 crypto engine type: Hardware, engine_id: 2 sa timing: remaining key lifetime (k/sec): (4444258/28648) ike_cookies: A12E6D0D 2C8D9B92 41AB02FB A00A5B03 IV size: 8 bytes replay detection support: Y inbound ah sas: inbound pcp sas: outbound esp sas: spi: 0xF4DD4178(4108140920) transform: esp-3des esp-sha-hmac , in use settings ={Tunnel, } slot: 0, conn id: 21, flow_id: 2, crypto map: Ethernet1-head-0 crypto engine type: Hardware, engine_id: 2 sa timing: remaining key lifetime (k/sec): (4444258/28647) ike_cookies: A12E6D0D 2C8D9B92 41AB02FB A00A5B03 IV size: 8 bytes replay detection support: Y outbound ah sas: outbound pcp sas:
```

- **Laat crypto ipsec client-ezvpn**-displays VPN-client of Easy VPN-afstandsbediening zien.

```
831#show crypto ipsec client ezvpn
Easy VPN Remote Phase: 2
```

```
Tunnel name : vpn-hw-client
Inside interface list: Ethernet0,
Outside interface: Ethernet1
Current State: IPSEC_ACTIVE
Last Event: SOCKET_UP
DNS Primary: 172.16.1.1
DNS Secondary: 172.16.1.1
NBMS/WINS Primary: 172.16.1.1
NBMS/WINS Secondary: 172.16.1.1
Default Domain: cisco.com
Split Tunnel List: 1
    Address      : 172.16.1.0
    Mask         : 255.255.255.0
    Protocol     : 0x0
    Source Port  : 0
    Dest Port    : 0
```

[Problemen oplossen](#)

Deze secties geven informatie die u kunt gebruiken om uw configuratie problemen op te lossen.

- [PIX-Easy VPN-server](#)

- [Cisco IOS Easy VPN-hardwareclient](#)

Als u de Easy VPN Remote Hardware Client en Makkelijk VPN-server hebt ingesteld zoals in dit document wordt beschreven en u nog steeds problemen ondervindt, verzamelt u de **debug**-uitvoer van elk apparaat en de uitvoer van de **show**-opdrachten voor analyse door het Cisco Technical Assistance Center (TAC).

Raadpleeg [IP-beveiligingsprobleemoplossing - Het begrip en het gebruik van debug-opdrachten](#) en [het oplossen van problemen door de PIX te doorgeven om gegevensverkeer in een bestaande IPSec-tunnelstructuur door te geven](#) voor extra informatie over het oplossen van problemen.

[PIX-Easy VPN-server](#)

Het [Uitvoer Tolk](#) ([uitsluitend geregistreerde](#) 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.

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

Hier wordt een voorbeelduitvoer weergegeven:

```

pix525(config)#
!--- As soon as the crypto ipsec client ezvpn vpn-hw-client command !--- is issued on the
outside interface of the Cisco IOS Easy VPN Remote !--- Hardware Client, the server receives an
IKE negotiation request.

crypto_isakmp_process_block:src:10.66.79.126, dest:10.66.79.72 spt:500 dpt:500
OAK_AG exchange
ISAKMP (0): processing SA payload. message ID = 0

ISAKMP (0): Checking ISAKMP transform 1 against priority 10 policy
ISAKMP:      encryption 3DES-CBC
ISAKMP:      hash SHA
ISAKMP:      default group 2
ISAKMP:      extended auth pre-share (init)
ISAKMP:      life type in seconds
ISAKMP:      life duration (VPI) of  0x0 0x20 0xc4 0x9b
ISAKMP (0): atts are not acceptable. Next payload is 3
ISAKMP (0): Checking ISAKMP transform 2 against priority 10 policy
ISAKMP:      encryption 3DES-CBC
ISAKMP:      hash MD5
ISAKMP:      default group 2
ISAKMP:      extended auth pre-share (init)
ISAKMP:      life type in seconds
ISAKMP:      life duration (VPI) of  0x0 0x20 0xc4 0x9b
ISAKMP (0): atts are not acceptable. Next payload is 3
ISAKMP (0): Checking ISAKMP transform 3 against priority 10 policy
ISAKMP:      encryption DES-CBC
ISAKMP:      hash SHA
ISAKMP:      default group 2
ISAKMP:      extended auth pre-share (init)
ISAKMP:      life type in seconds
ISAKMP:      life duration (VPI) of  0x0 0x20 0xc4 0x9b
ISAKMP (0): atts are not acceptable. Next payload is 3
ISAKMP (0): Checking ISAKMP transform 4 against priority 10 policy

```



```
ISAKMP:      encryption DES-CBC
ISAKMP:      hash MD5
ISAKMP:      default group 2
ISAKMP:      extended auth pre-share (init)
ISAKMP:      life type in seconds
ISAKMP:      life duration (VPI) of 0x0 0x20 0xc4 0x9b
ISAKMP (0): atts are not acceptable. Next payload is 3
ISAKMP (0): Checking ISAKMP transform 5 against priority 10 policy
ISAKMP:      encryption 3DES-CBC
ISAKMP:      hash SHA
ISAKMP:      default group 2
ISAKMP:      auth pre-share
ISAKMP:      life type in seconds
ISAKMP:      life duration (VPI) of 0x0 0x20 0xc4 0x9b
ISAKMP (0): atts are acceptable. Next payload is 3
ISAKMP (0): processing vendor id payload

ISAKMP (0:0): vendor ID is NAT-T
ISAKMP (0): processing vendor id payload

ISAKMP (0:0): vendor ID is NAT-T
ISAKMP (0): processing KE payload. message ID = 0

ISAKMP (0): processing NONCE payload. message ID = 0

ISAKMP (0): processing ID payload. message ID = 0
ISAKMP (0): processing vendor id payload

ISAKMP (0): remote peer supports dead peer detection

ISAKMP (0): processing vendor id payload

ISAKMP (0): received xauth v6 vendor id

ISAKMP (0): processing vendor id payload

ISAKMP (0): claimed IOS but failed authentication

ISAKMP (0): processing vendor id payload

ISAKMP (0): speaking to a Unity client

ISAKMP (0): ID payload
    next-payload : 10
    type          : 1
    protocol      : 17
    port          : 500
    length        : 8
ISAKMP (0): Total payload length: 12
return status is IKMP_NO_ERROR
crypto_isakmp_process_block:src:10.66.79.126, dest:10.66.79.72 spt:500 dpt:500
OAK_AG exchange
ISAKMP (0): processing HASH payload. message ID = 0
ISAKMP (0): processing NOTIFY payload 24578 protocol 1
    spi 0, message ID = 0
ISAKMP (0): processing notify INITIAL_CONTACTIPSEC(key_engine): got a queue event...
IPSEC(key_engine_delete_sas): rec'd delete notify from ISAKMP
IPSEC(key_engine_delete_sas): delete all SAs shared with 10.66.79.126

ISAKMP (0): SA has been authenticated
ISAKMP: Created a peer struct for 10.66.79.126, peer port 62465
return status is IKMP_NO_ERROR
ISAKMP (0): sending phase 1 RESPONDER_LIFETIME notify
ISAKMP (0): sending NOTIFY message 24576 protocol 1
```

```

VPN Peer: ISAKMP: Added new peer: ip:10.66.79.126/500 Total VPN Peers:1
VPN Peer: ISAKMP: Peer ip:10.66.79.126/500 Ref cnt incremented to:1 Total
VPN Peers:1
ISAKMP: peer is a remote access client
crypto_isakmp_process_block:src:10.66.79.126, dest:10.66.79.72 spt:500 dpt:500
ISAKMP_TRANSACTION exchange
ISAKMP (0:0): processing transaction payload from 10.66.79.126.
message ID = 63324444
ISAKMP: Config payload CFG_REQUEST
ISAKMP (0:0): checking request:
ISAKMP: attribute IP4_DNS (3)
ISAKMP: attribute IP4_DNS (3)
ISAKMP: attribute IP4_NBNS (4)
ISAKMP: attribute IP4_NBNS (4)
ISAKMP: attribute ALT_SPLIT_INCLUDE (28676)
ISAKMP: attribute ALT_SPLITDNS_NAME (28675)
ISAKMP: attribute ALT_DEF_DOMAIN (28674)
ISAKMP: attribute UNKNOWN (28673)
Unsupported Attr: 28673
ISAKMP: attribute UNKNOWN (28678)
Unsupported Attr: 28678
ISAKMP: attribute ALT_PFS (28679)
ISAKMP: attribute ALT_BACKUP_SERVERS (28681)
ISAKMP: attribute APPLICATION_VERSION (7)
ISAKMP (0:0): responding to peer config from 10.66.79.126. ID = 2563858956
return status is IKMP_NO_ERROR
crypto_isakmp_process_block:src:10.66.79.126, dest:10.66.79.72 spt:500 dpt:500
OAK_QM exchange
oakley_process_quick_mode:
OAK_QM_IDLE
ISAKMP (0): processing SA payload. message ID = 3238088328

ISAKMP : Checking IPsec proposal 1

ISAKMP: transform 1, ESP_3DES
ISAKMP: attributes in transform:
ISAKMP: encaps is 1
ISAKMP: SA life type in seconds
ISAKMP: SA life duration (VPI) of 0x0 0x20 0xc4 0x9b
ISAKMP: SA life type in kilobytes
ISAKMP: SA life duration (VPI) of 0x0
crypto_isakmp_process_block:src:10.66.79.126, dest:10.66.79.72 spt:500 dpt:500
OAK_QM exchange
ISADB: reaper checking SA 0x3c6420c, conn_id = 0

```

[Cisco IOS Easy VPN-hardwareclient](#)

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.

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

Hier wordt een voorbeelduitvoer weergegeven:

```

831(config)#int eth 1
831(config-if)#crypto ipsec client ezvpn vpn-hw-client
*Mar 1 01:42:18.739: ISAKMP: callback: no SA found for 0.0.0.0/0.0.0.0 [vrf 0]

```

```

*Mar 1 01:42:18.739: %CRYPTO-6-ISAKMP_ON_OFF: ISAKMP is ON
*Mar 1 01:42:18.743: ISAKMP: Looking for a matching key for 10.66.79.72 in default
*Mar 1 01:42:18.743: ISAKMP: received ke message (1/1)
*Mar 1 01:42:18.743: ISAKMP:(0:0:N/A:0): SA request profile is (NULL)
*Mar 1 01:42:18.743: ISAKMP: Created a peer struct for 10.66.79.72, peer port 500
*Mar 1 01:42:18.743: ISAKMP: Locking peer struct 0x81F05E5C, IKE refcount
    1 for isakmp_initiator
*Mar 1 01:42:18.747: ISAKMP:(0:0:N/A:0):Setting client config settings 81C8F564
*Mar 1 01:42:18.747: ISAKMP: local port 500, remote port 500
*Mar 1 01:42:18.747: insert sa successfully sa = 81C8EEB8
*Mar 1 01:42:18.747: ISAKMP:(0:0:N/A:0): client mode configured.
*Mar 1 01:42:18.751: ISAKMP:(0:0:N/A:0): constructed NAT-T vendor-03 ID
*Mar 1 01:42:18.751: ISAKMP:(0:0:N/A:0): constructed NAT-T vendor-02 ID
*Mar 1 01:42:19.203: ISAKMP:(0:1:HW:2):SA is doing pre-shared key authentication
    plus XAUTH using id type ID_KEY_ID
*Mar 1 01:42:19.203: ISAKMP (0:268435457): ID payload
    next-payload : 13
    type          : 11
    group id      : vpn-hw-client-group
    protocol      : 17
    port          : 0
    length        : 27
*Mar 1 01:42:19.203: ISAKMP:(0:1:HW:2):Total payload length: 27
*Mar 1 01:42:19.207: ISAKMP:(0:1:HW:2):Input = IKE_MESG_FROM_IPSEC, IKE_SA_REQ_AM
*Mar 1 01:42:19.207: ISAKMP:(0:1:HW:2):Old State = IKE_READY New State = IKE_I_AM1
*Mar 1 01:42:19.207: ISAKMP:(0:1:HW:2): beginning Aggressive Mode exchange
*Mar 1 01:42:19.207: ISAKMP:(0:1:HW:2): sending packet to 10.66.79.72
    my_port 500 peer_port 500 (I) AG_INIT_EXCH
*Mar 1 01:42:19.267: ISAKMP (0:268435457): received packet from 10.66.79.72
    dport 500 sport 500 Global (I) AG_INIT_EXCH
*Mar 1 01:42:19.271: ISAKMP:(0:1:HW:2): processing SA payload. message ID = 0
*Mar 1 01:42:19.271: ISAKMP:(0:1:HW:2): processing ID payload. message ID = 0
*Mar 1 01:42:19.271: ISAKMP (0:268435457): ID payload
    next-payload : 10
    type          : 1
    address       : 10.66.79.72
    protocol      : 17
    port          : 500
    length        : 12
*Mar 1 01:42:19.271: ISAKMP:(0:1:HW:2): processing vendor id payload
*Mar 1 01:42:19.271: ISAKMP:(0:1:HW:2): vendor ID seems Unity/DPD but major
    215 mismatch
*Mar 1 01:42:19.275: ISAKMP:(0:1:HW:2): vendor ID is XAUTH
*Mar 1 01:42:19.275: ISAKMP:(0:1:HW:2): processing vendor id payload
*Mar 1 01:42:19.275: ISAKMP:(0:1:HW:2): vendor ID is DPD
*Mar 1 01:42:19.275: ISAKMP:(0:1:HW:2): processing vendor id payload
*Mar 1 01:42:19.275: ISAKMP:(0:1:HW:2): vendor ID is Unity
*Mar 1 01:42:19.275: ISAKMP:(0:1:HW:2): local preshared key found
*Mar 1 01:42:19.275: ISAKMP : Scanning profiles for xauth ...
*Mar 1 01:42:19.279: ISAKMP:(0:1:HW:2): Authentication by xauth preshared
*Mar 1 01:42:19.279: ISAKMP:(0:1:HW:2):Checking ISAKMP transform 1 against
    priority 65527 policy
*Mar 1 01:42:19.279: ISAKMP:          encryption 3DES-CBC
*Mar 1 01:42:19.279: ISAKMP:          hash SHA
*Mar 1 01:42:19.279: ISAKMP:          default group 2
*Mar 1 01:42:19.279: ISAKMP:          auth pre-share
*Mar 1 01:42:19.279: ISAKMP:          life type in seconds
*Mar 1 01:42:19.279: ISAKMP:          life duration (VPI) of 0x0 0x20 0xC4 0x9B
*Mar 1 01:42:19.279: ISAKMP:(0:1:HW:2):Authentication method offered does
    not match policy!
*Mar 1 01:42:19.283: ISAKMP:(0:1:HW:2):atts are not acceptable.
    Next payload is 0
*Mar 1 01:42:19.283: ISAKMP:(0:1:HW:2):Checking ISAKMP transform 1

```

```
against priority 65528 policy
*Mar 1 01:42:19.283: ISAKMP: encryption 3DES-CBC
*Mar 1 01:42:19.283: ISAKMP: hash SHA
*Mar 1 01:42:19.283: ISAKMP: default group 2
*Mar 1 01:42:19.283: ISAKMP: auth pre-share
*Mar 1 01:42:19.283: ISAKMP: life type in seconds
*Mar 1 01:42:19.283: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
*Mar 1 01:42:19.283: ISAKMP:(0:1:HW:2):Hash algorithm offered does not
match policy!
*Mar 1 01:42:19.283: ISAKMP:(0:1:HW:2):atts are not acceptable. Next
payload is 0
*Mar 1 01:42:19.287: ISAKMP:(0:1:HW:2):Checking ISAKMP transform 1
against priority 65529 policy
*Mar 1 01:42:19.287: ISAKMP: encryption 3DES-CBC
*Mar 1 01:42:19.287: ISAKMP: hash SHA
*Mar 1 01:42:19.287: ISAKMP: default group 2
*Mar 1 01:42:19.287: ISAKMP: auth pre-share
*Mar 1 01:42:19.287: ISAKMP: life type in seconds
*Mar 1 01:42:19.287: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
*Mar 1 01:42:19.287: ISAKMP:(0:1:HW:2):Encryption algorithm offered does
not match policy!
*Mar 1 01:42:19.287: ISAKMP:(0:1:HW:2):atts are not acceptable.
Next payload is 0
*Mar 1 01:42:19.291: ISAKMP:(0:1:HW:2):Checking ISAKMP transform
1 against priority 65530 policy
*Mar 1 01:42:19.291: ISAKMP: encryption 3DES-CBC
*Mar 1 01:42:19.291: ISAKMP: hash SHA
*Mar 1 01:42:19.291: ISAKMP: default group 2
*Mar 1 01:42:19.291: ISAKMP: auth pre-share
*Mar 1 01:42:19.291: ISAKMP: life type in seconds
*Mar 1 01:42:19.291: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
*Mar 1 01:42:19.291: ISAKMP:(0:1:HW:2):Encryption algorithm offered
does not match policy!
*Mar 1 01:42:19.291: ISAKMP:(0:1:HW:2):atts are not acceptable. Next
payload is 0
*Mar 1 01:42:19.295: ISAKMP:(0:1:HW:2):Checking ISAKMP transform 1
against priority 65531 policy
*Mar 1 01:42:19.295: ISAKMP: encryption 3DES-CBC
*Mar 1 01:42:19.295: ISAKMP: hash SHA
*Mar 1 01:42:19.295: ISAKMP: default group 2
*Mar 1 01:42:19.295: ISAKMP: auth pre-share
*Mar 1 01:42:19.295: ISAKMP: life type in seconds
*Mar 1 01:42:19.295: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
*Mar 1 01:42:19.295: ISAKMP:(0:1:HW:2):atts are acceptable. Next payload is 0
*Mar 1 01:42:19.295: ISAKMP:(0:1:HW:2): processing KE payload. message ID = 0
*Mar 1 01:42:19.747: ISAKMP:(0:1:HW:2): processing NONCE payload. message ID = 0
*Mar 1 01:42:19.747: ISAKMP:(0:1:HW:2):SKEYID state generated
*Mar 1 01:42:19.747: ISAKMP:(0:1:HW:2): processing HASH payload. message ID = 0
*Mar 1 01:42:19.751: ISAKMP:(0:1:HW:2):SA authentication status:
authenticated
*Mar 1 01:42:19.751: ISAKMP:(0:1:HW:2):SA has been authenticated with 10.66.79.72
*Mar 1 01:42:19.751: ISAKMP: Trying to insert a peer
10.66.79.126/10.66.79.72/500/, and inserted successfully.
*Mar 1 01:42:19.751: ISAKMP:(0:1:HW:2):Send initial contact
*Mar 1 01:42:19.759: ISAKMP:(0:1:HW:2): sending packet to 10.66.79.72
my_port 500 peer_port 500 (I) AG_INIT_EXCH
*Mar 1 01:42:19.759: ISAKMP:(0:1:HW:2):Input = IKE_MESG_FROM_PEER, IKE_AM_EXCH
*Mar 1 01:42:19.759: ISAKMP:(0:1:HW:2):Old State = IKE_I_AM1
New State = IKE_P1_COMPLETE

*Mar 1 01:42:19.763: ISAKMP:(0:1:HW:2):Need config/address
*Mar 1 01:42:19.763: ISAKMP:(0:1:HW:2):Need config/address
*Mar 1 01:42:19.763: ISAKMP: set new node -1731108340 to CONF_ADDR
*Mar 1 01:42:19.763: ISAKMP: Sending APPLICATION_VERSION string:
```

Cisco IOS Software, C831 Software (C831-K9O3SY6-M), Version 12.3(8)T,
RELEASE SOFTWARE (fc2)

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Compiled Fri 14-May-04 01:40 by eaarmas

```
*Mar 1 01:42:19.775: ISAKMP:(0:1:HW:2): initiating peer config to
  10.66.79.72. ID = -1731108340
*Mar 1 01:42:19.775: ISAKMP:(0:1:HW:2): sending packet to 10.66.79.72
  my_port 500 peer_port 500 (I) CONF_ADDR
*Mar 1 01:42:19.775: ISAKMP:(0:1:HW:2):Input = IKE_MSG_INTERNAL,
  IKE_PHASE1_COMPLETE
*Mar 1 01:42:19.775: ISAKMP:(0:1:HW:2):Old State = IKE_P1_COMPLETE
  New State = IKE_CONFIG_MODE_REQ_SENT

*Mar 1 01:42:19.775: ISAKMP (0:268435457): received packet from 10.66.79.72
  dport 500 sport 500 Global (I) CONF_ADDR
*Mar 1 01:42:19.779: ISAKMP: set new node -531260300 to CONF_ADDR
*Mar 1 01:42:19.783: ISAKMP:(0:1:HW:2): processing HASH payload.
  message ID = -531260300
*Mar 1 01:42:19.783: ISAKMP:(0:1:HW:2): processing NOTIFY
  RESPONDER_LIFETIME protocol 1
  spi 0, message ID = -531260300, sa = 81C8EEB8
*Mar 1 01:42:19.783: ISAKMP:(0:1:HW:2):SA authentication status:
  authenticated
*Mar 1 01:42:19.787: ISAKMP:(0:1:HW:2): processing responder lifetime
*Mar 1 01:42:19.787: ISAKMP:(0:1:HW:2): start processing isakmp
  responder lifetime
*Mar 1 01:42:19.787: ISAKMP:(0:1:HW:2): restart ike sa timer to 86400 secs
*Mar 1 01:42:19.787: ISAKMP:(0:1:HW:2):deleting node -531260300 error
  FALSE reason "Informational (in) state 1"
*Mar 1 01:42:19.787: ISAKMP:(0:1:HW:2):Input = IKE_MSG_FROM_PEER,
  IKE_INFO_NOTIFY
*Mar 1 01:42:19.787: ISAKMP:(0:1:HW:2):Old State = IKE_CONFIG_MODE_REQ_SENT
  New State = IKE_CONFIG_MODE_REQ_SENT

*Mar 1 01:42:19.791: ISAKMP (0:268435457): received packet from 10.66.79.72
  dport 500 sport 500 Global (I) CONF_ADDR
*Mar 1 01:42:19.795: ISAKMP:(0:1:HW:2):processing transaction payload from
  10.66.79.72. message ID = -1731108340
*Mar 1 01:42:19.795: ISAKMP: Config payload REPLY
*Mar 1 01:42:19.799: ISAKMP(0:268435457) process config reply
*Mar 1 01:42:19.799: ISAKMP:(0:1:HW:2):deleting node -1731108340 error
  FALSE reason "Transaction mode done"
*Mar 1 01:42:19.799: ISAKMP:(0:1:HW:2):Input = IKE_MSG_FROM_PEER,
  IKE_CFG_REPLY
*Mar 1 01:42:19.799: ISAKMP:(0:1:HW:2):Old State = IKE_CONFIG_MODE_REQ_SENT
  New State = IKE_P1_COMPLETE

*Mar 1 01:42:19.807: ISAKMP:(0:1:HW:2):Input = IKE_MSG_INTERNAL,
  IKE_PHASE1_COMPLETE
*Mar 1 01:42:19.807: ISAKMP:(0:1:HW:2):Old State = IKE_P1_COMPLETE
  New State = IKE_P1_COMPLETE

*Mar 1 01:42:19.815: IPSEC(sa_request): ,
  (key eng. msg.) OUTBOUND local= 10.66.79.126, remote= 10.66.79.72,
  local_proxy= 192.168.1.0/255.255.255.0/0/0 (type=4),
  remote_proxy= 172.16.1.0/255.255.255.0/0/0 (type=4),
  protocol= ESP, transform= esp-3des esp-sha-hmac (Tunnel),
  lifedur= 2147483s and 4608000kb,
  spi= 0x13F1AA83(334604931), conn_id= 0, keysize= 0, flags= 0x400A
*Mar 1 01:42:19.815: IPSEC(sa_request): ,
  (key eng. msg.) OUTBOUND local= 10.66.79.126, remote= 10.66.79.72,
  local_proxy= 192.168.1.0/255.255.255.0/0/0 (type=4),
  remote_proxy= 172.16.1.0/255.255.255.0/0/0 (type=4),
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    protocol= ESP, transform= esp-3des esp-md5-hmac (Tunnel),
    lifedur= 2147483s and 4608000kb,
    spi= 0xAD8C95C7(2911671751), conn_id= 0, keysize= 0, flags= 0x400A
*Mar 1 01:42:19.819: IPSEC(sa_request): ,
(key eng. msg.) OUTBOUND local= 10.66.79.126, remote= 10.66.79.72,
    local_proxy= 192.168.1.0/255.255.255.0/0/0 (type=4),
    remote_proxy= 172.16.1.0/255.255.255.0/0/0 (type=4),
    protocol= ESP, transform= esp-des esp-sha-hmac (Tunnel),
    lifedur= 2147483s and 4608000kb,
    spi= 0x7B5EBFA(129362938), conn_id= 0, keysize= 0, flags= 0x400A
*Mar 1 01:42:19.819: IPSEC(sa_request): ,
(key eng. msg.) OUTBOUND local= 10.66.79.126, remote= 10.66.79.72,
    local_proxy= 192.168.1.0/255.255.255.0/0/0 (type=4),
    remote_proxy= 172.16.1.0/255.255.255.0/0/0 (type=4),
    protocol= ESP, transform= esp-des esp-md5-hmac (Tunnel),
    lifedur= 2147483s and 4608000kb,
    spi= 0x702568AE(1881499822), conn_id= 0, keysize= 0, flags= 0x400A
*Mar 1 01:42:19.823: ISAKMP: received ke message (1/4)
*Mar 1 01:42:19.823: ISAKMP: set new node 0 to QM_IDLE
*Mar 1 01:42:19.823: ISAKMP:(0:1:HW:2): sitting IDLE. Starting QM
    immediately (QM_IDLE )
*Mar 1 01:42:19.823: ISAKMP:(0:1:HW:2):beginning Quick Mode exchange,
    M-ID of -1056878968
*Mar 1 01:42:19.835: ISAKMP:(0:1:HW:2): sending packet to 10.66.79.72
    my_port 500 peer_port 500 (I) QM_IDLE
*Mar 1 01:42:19.835: ISAKMP:(0:1:HW:2):Node -1056878968, Input =
    IKE_MESG_INTERNAL, IKE_INIT_QM
*Mar 1 01:42:19.843: ISAKMP:(0:1:HW:2):Old State = IKE_QM_READY
    New State = IKE_QM_I_QM1
*Mar 1 01:42:19.859: ISAKMP (0:268435457): received packet from
    10.66.79.72 dport 500 sport 500 Global (I) QM_IDLE
*Mar 1 01:42:19.863: ISAKMP:(0:1:HW:2): processing HASH payload.
    message ID = -1056878968
*Mar 1 01:42:19.863: ISAKMP:(0:1:HW:2): processing SA payload.
    message ID = -1056878968
*Mar 1 01:42:19.863: ISAKMP:(0:1:HW:2):Checking IPsec proposal 1
*Mar 1 01:42:19.863: ISAKMP: transform 1, ESP_3DES
*Mar 1 01:42:19.863: ISAKMP:   attributes in transform:
*Mar 1 01:42:19.863: ISAKMP:     encaps is 1 (Tunnel)
*Mar 1 01:42:19.867: ISAKMP:     SA life type in seconds
*Mar 1 01:42:19.867: ISAKMP:     SA life duration (VPI) of  0x0 0x20 0xC4 0x9B
*Mar 1 01:42:19.867: ISAKMP:     SA life type in kilobytes
*Mar 1 01:42:19.867: ISAKMP:     SA life duration (VPI) of  0x0 0x46 0x50 0x0
*Mar 1 01:42:19.867: ISAKMP:     authenticator is HMAC-SHA
*Mar 1 01:42:19.867: ISAKMP:(0:1:HW:2):atts are acceptable.
*Mar 1 01:42:19.871: IPSEC(validate_proposal_request): proposal part #1,
(key eng. msg.) INBOUND local= 10.66.79.126, remote= 10.66.79.72,
    local_proxy= 192.168.1.0/255.255.255.0/0/0 (type=4),
    remote_proxy= 172.16.1.0/255.255.255.0/0/0 (type=4),
    protocol= ESP, transform= esp-3des esp-sha-hmac (Tunnel),
    lifedur= 0s and 0kb,
    spi= 0x0(0), conn_id= 0, keysize= 0, flags= 0x2
*Mar 1 01:42:19.871: Crypto mapdb : proxy_match
    src addr      : 192.168.1.0
    dst addr      : 172.16.1.0
    protocol      : 0
    src port      : 0
    dst port      : 0
*Mar 1 01:42:19.871: ISAKMP:(0:1:HW:2): processing NONCE payload.
    message ID = -1056878968
*Mar 1 01:42:19.875: ISAKMP:(0:1:HW:2): processing ID payload.
    message ID = -1056878968
*Mar 1 01:42:19.875: ISAKMP:(0:1:HW:2): processing ID payload.
    message ID = -1056878968

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*Mar 1 01:42:19.875: ISAKMP:(0:1:HW:2): processing NOTIFY
RESPONDER_LIFETIME protocol 3
    spi 4108140920, message ID = -1056878968, sa = 81C8EEB8
*Mar 1 01:42:19.875: ISAKMP:(0:1:HW:2):SA authentication status:
    authenticated
*Mar 1 01:42:19.875: ISAKMP:(0:1:HW:2): processing responder lifetime
*Mar 1 01:42:19.875: ISAKMP (268435457): responder lifetime of 28800s
*Mar 1 01:42:19.879: IPsec: Flow_switching Allocated flow for flow_id 268435457
*Mar 1 01:42:19.879: IPsec: Flow_switching Allocated flow for flow_id 268435458
*Mar 1 01:42:19.887: %CRYPTO-5-SESSION_STATUS: Crypto tunnel is UP .
    Peer 10.66.79.72:500      Id: 10.66.79.72
*Mar 1 01:42:19.887: ISAKMP: Locking peer struct 0x81F05E5C, IPSEC
    refcount 1 for for stuff_ke
*Mar 1 01:42:19.887: ISAKMP:(0:1:HW:2): Creating IPsec SAs
*Mar 1 01:42:19.895:      inbound SA from 10.66.79.72 to 10.66.79.126
    (f/i) 0/ 0
    (proxy 172.16.1.0 to 192.168.1.0)
*Mar 1 01:42:19.895:      has spi 0x13F1AA83 and conn_id 20 and flags 2
*Mar 1 01:42:19.895:      lifetime of 28790 seconds
*Mar 1 01:42:19.895:      lifetime of 4608000 kilobytes
*Mar 1 01:42:19.895:      has client flags 0x0
*Mar 1 01:42:19.895:      outbound SA from 10.66.79.126 to 10.66.79.72
    (f/i) 0/0
    (proxy 192.168.1.0 to 172.16.1.0)
*Mar 1 01:42:19.895:      has spi -186826376 and conn_id 21 and flags A
*Mar 1 01:42:19.895:      lifetime of 28790 seconds
*Mar 1 01:42:19.895:      lifetime of 4608000 kilobytes
*Mar 1 01:42:19.895:      has client flags 0x0
*Mar 1 01:42:19.899: IPSEC(key_engine): got a queue event with 2 kei messages
*Mar 1 01:42:19.899: IPSEC(initialize_sas): ,
    (key eng. msg.) INBOUND local= 10.66.79.126, remote= 10.66.79.72,
    local_proxy= 192.168.1.0/255.255.255.0/0/0 (type=4),
    remote_proxy= 172.16.1.0/255.255.255.0/0/0 (type=4),
    protocol= ESP, transform= esp-3des esp-sha-hmac (Tunnel),
    lifedur= 28790s and 4608000kb,
    spi= 0x13F1AA83(334604931), conn_id= 268435476, keysize= 0, flags= 0x2
*Mar 1 01:42:19.899: IPSEC(initialize_sas): ,
    (key eng. msg.) OUTBOUND local= 10.66.79.126, remote= 10.66.79.72,
    local_proxy= 192.168.1.0/255.255.255.0/0/0 (type=4),
    remote_proxy= 172.16.1.0/255.255.255.0/0/0 (type=4),
    protocol= ESP, transform= esp-3des esp-sha-hmac (Tunnel),
    lifedur= 28790s and 4608000kb,
    spi= 0xF4DD4178(4108140920), conn_id= 268435477, keysize= 0, flags= 0xA
*Mar 1 01:42:19.903: Crypto mapdb : proxy_match
    src addr      : 192.168.1.0
    dst addr      : 172.16.1.0
    protocol      : 0
    src port      : 0
    dst port      : 0
*Mar 1 01:42:19.903: IPSEC(crypto_ipsec_sa_find_ident_head):
    reconnecting with the same proxies and 10.66.79.72
*Mar 1 01:42:19.903: IPSEC(policy_db_add_ident): src 192.168.1.0,
    dest 172.16.1.0, dest_port 0
*Mar 1 01:42:19.907: IPSEC(create_sa): sa created,
    (sa) sa_dest= 10.66.79.126, sa_prot= 50,
    sa_spi= 0x13F1AA83(334604931),
    sa_trans= esp-3des esp-sha-hmac , sa_conn_id= 268435476
*Mar 1 01:42:19.907: IPSEC(create_sa): sa created,
    (sa) sa_dest= 10.66.79.72, sa_prot= 50,
    sa_spi= 0xF4DD4178(4108140920),
    sa_trans= esp-3des esp-sha-hmac , sa_conn_id= 268435477
*Mar 1 01:42:19.911: ISAKMP:(0:1:HW:2): sending packet to
    10.66.79.72 my_port 500 peer_port 500 (I) QM_IDLE
```

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*Mar 1 01:42:19.911: ISAKMP:(0:1:HW:2):deleting node -1056878968
error FALSE reason "No Error"
*Mar 1 01:42:19.911: ISAKMP:(0:1:HW:2):Node -1056878968, Input =
IKE_MSG_FROM_PEER, IKE_QM_EXCH
*Mar 1 01:42:19.911: ISAKMP:(0:1:HW:2):Old State = IKE_QM_I_QM1
New State = IKE_QM_PHASE2_COMPLETE
*Mar 1 01:43:09.787: ISAKMP:(0:1:HW:2):purging node -531260300
*Mar 1 01:43:09.799: ISAKMP:(0:1:HW:2):purging node -1731108340
*Mar 1 01:43:09.911: ISAKMP:(0:1:HW:2):purging node -1056878968

```

- **debug VPN-client**-Hiermee geeft u de onderhandelingen weer die specifiek zijn voor de VPN-client.

Hier wordt een voorbeelduitvoer weergegeven:

```

831(config)#int eth 1
831(config-if)#crypto ipsec client ezvpn vpn-hw-client
*Mar 1 01:49:26.543: %CRYPTO-6-ISAKMP_ON_OFF: ISAKMP is ON
*Mar 1 01:49:26.547: EZVPN(vpn-hw-client): Current State: IDLE
*Mar 1 01:49:26.547: EZVPN(vpn-hw-client): Event: VALID_CONFIG_ENTERED
*Mar 1 01:49:26.547: EZVPN(vpn-hw-client): ezvpn_check_tunnel_interface_state
*Mar 1 01:49:26.547: EZVPN(vpn-hw-client): New State: VALID_CFG
*Mar 1 01:49:26.547: EZVPN(vpn-hw-client): Current State: VALID_CFG
*Mar 1 01:49:26.547: EZVPN(vpn-hw-client): Event: VALID_CONFIG_ENTERED
*Mar 1 01:49:26.547: EZVPN(vpn-hw-client): No state change
*Mar 1 01:49:26.547: EZVPN(vpn-hw-client): Current State: VALID_CFG
*Mar 1 01:49:26.551: EZVPN(vpn-hw-client): Event: TUNNEL_INTERFACE_UP
*Mar 1 01:49:26.551: EZVPN(vpn-hw-client): ezvpn_check_tunnel_interface_address
*Mar 1 01:49:26.551: EZVPN(vpn-hw-client): New State: TUNNEL_INT_UP
*Mar 1 01:49:26.551: EZVPN(vpn-hw-client): Current State: TUNNEL_INT_UP
*Mar 1 01:49:26.551: EZVPN(vpn-hw-client): Event: TUNNEL_HAS_PUBLIC_IP_ADD
*Mar 1 01:49:26.551: EZVPN(vpn-hw-client): New State: CONNECT_REQUIRED
*Mar 1 01:49:26.551: EZVPN(vpn-hw-client): Current State: CONNECT_REQUIRED
*Mar 1 01:49:26.551: EZVPN(vpn-hw-client): Event: CONNECT
*Mar 1 01:49:26.555: EZVPN(vpn-hw-client): ezvpn_connect_request
*Mar 1 01:49:26.555: EZVPN(vpn-hw-client): New State: READY
*Mar 1 01:49:27.535: EZVPN(vpn-hw-client): Current State: READY
*Mar 1 01:49:27.535: EZVPN(vpn-hw-client): Event: CONN_UP
*Mar 1 01:49:27.535: EZVPN(vpn-hw-client): ezvpn_conn_up A12E6D0D D9C3B1AE
41AB02FB 62DD1B01
*Mar 1 01:49:27.539: EZVPN(vpn-hw-client): No state change
*Mar 1 01:49:27.563: EZVPN(vpn-hw-client): Current State: READY
*Mar 1 01:49:27.563: EZVPN(vpn-hw-client): Event: MODE_CONFIG_REPLY
*Mar 1 01:49:27.563: EZVPN(vpn-hw-client): ezvpn_mode_config
*Mar 1 01:49:27.563: EZVPN(vpn-hw-client): ezvpn_parse_mode_config_msg
*Mar 1 01:49:27.563: EZVPN: Attributes sent in message:
*Mar 1 01:49:27.563:      DNS Primary: 172.16.1.1
*Mar 1 01:49:27.567:      DNS Secondary: 172.16.1.1
*Mar 1 01:49:27.567:      NBMS/WINS Primary: 172.16.1.1
*Mar 1 01:49:27.567:      NBMS/WINS Secondary: 172.16.1.1
*Mar 1 01:49:27.567:      Split Tunnel List: 1
*Mar 1 01:49:27.567:      Address      : 172.16.1.0
*Mar 1 01:49:27.567:      Mask          : 255.255.255.0
*Mar 1 01:49:27.567:      Protocol     : 0x0
*Mar 1 01:49:27.567:      Source Port  : 0
*Mar 1 01:49:27.567:      Dest Port   : 0
*Mar 1 01:49:27.567:      Default Domain: cisco.com
*Mar 1 01:49:27.567: EZVPN: Unknown/Unsupported Attr: PFS (0x7007)
*Mar 1 01:49:27.571: EZVPN(vpn-hw-client): ezvpn_nat_config
*Mar 1 01:49:27.571: EZVPN: close old connection, len 0
*Mar 1 01:49:27.575: EZVPN(vpn-hw-client): New State: SS_OPEN
*Mar 1 01:49:27.587: EZVPN(vpn-hw-client): Current State: SS_OPEN
*Mar 1 01:49:27.587: EZVPN(vpn-hw-client): Event: SOCKET_READY

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*Mar 1 01:49:27.587: EZVPN(vpn-hw-client): No state change
*Mar 1 01:49:27.619: %CRYPTO-5-SESSION_STATUS: Crypto tunnel is UP .
Peer 10.66.79.72:500      Id: 10.66.79.72
*Mar 1 01:49:27.623: EZVPN(vpn-hw-client): Current State: SS_OPEN
*Mar 1 01:49:27.623: EZVPN(vpn-hw-client): Event: MTU_CHANGED
*Mar 1 01:49:27.623: EZVPN(vpn-hw-client): No state change
*Mar 1 01:49:27.627: EZVPN(vpn-hw-client): Current State: SS_OPEN
*Mar 1 01:49:27.627: EZVPN(vpn-hw-client): Event: SOCKET_UP
*Mar 1 01:49:27.631: ezvpn_socket_up
*Mar 1 01:49:27.631: EZVPN(vpn-hw-client): New State: IPSEC_ACTIVE
```

[Gerelateerde informatie](#)

- [Ondersteuning van PIX 500 Series](#)
- [Documentatie voor PIX-firewall](#)
- [PIX-opdrachtreferenties](#)
- [Ondersteuning van IPSec-onderhandeling/IKE-protocollen](#)