

Cisco VPN نوبزو IOS هجوم ني ب IPsec ق فن ة ق داصم ني وكت ل اثم عم Windows ل 4.x م دخت س م ل ا TACACS+

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المقدمة

يصف هذا المستند كيفية تكوين اتصال IPsec بين موجه وعميل الشبكة الخاصة الظاهرية (Cisco VPN 4.x) من Cisco باستخدام نظام التحكم في الوصول إلى وحدة تحكم الوصول إلى المحطة الطرفية (TACACS+) لمصادقة المستخدم. برنامج Cisco IOS[®] الإصدار 12.2(8)T والإصدارات الأحدث إتصالات الدعم من Cisco VPN Client 4.x. يستخدم عميل شبكة Cisco VPN 4.x سياسة المجموعة Diffie-Hellman (D-H 2). يتيح الأمر `isakmp policy # group 2` لعملاء x.4 إمكانية الاتصال.

يوضح هذا المستند المصادقة على خادم TACACS+ باستخدام التحويل، مثل تعيينات خدمة تسمية الإنترنت في Windows (WINS) وخدمة تسمية المجال (DNS)، التي يتم تنفيذها محليا بواسطة الموجه.

ارجع إلى [تكوين عميل Cisco VPN الإصدار x.3 ل Windows to IOS باستخدام المصادقة الموسعة المحلية](#) لمعرفة المزيد حول السيناريو الذي تحدث فيه مصادقة المستخدم محليا في موجه Cisco IOS.

ارجع إلى [تكوين IPsec بين موجه Cisco IOS وعميل Cisco VPN 4.x ل Windows الذي يستخدم RADIUS لمصادقة المستخدم](#) لمعرفة المزيد حول السيناريو الذي تحدث فيه مصادقة المستخدم خارجيا مع بروتوكول RADIUS.

المتطلبات الأساسية

المتطلبات

قبل أن تحاول إجراء هذا التكوين، فتأكد من استيفاء المتطلبات التالية:

- مجموعة من العناوين التي سيتم تعيينها ل IPsec
- مجموعة مسماة "vpnGroup" بكلمة مرور من "cisco123"
- مصادقة المستخدم على خادم TACACS+

المكونات المستخدمة

تستند المعلومات الواردة في هذا المستند إلى إصدارات البرامج والمكونات المادية التالية:

- عميل شبكة VPN من Cisco لنظام التشغيل Windows الإصدار 4.0.2D (يجب أن يعمل أي عميل لشبكة VPN الإصدار x.3 أو إصدار أحدث).
- Cisco Secure ل Windows الإصدار 3.0 (يجب أن يعمل أي خادم TACACS+)
- الإصدار T1(8)12.2 من موجه IOS 1710 من Cisco الذي تم تحميله مع مجموعة ميزات IPsec ا يتم عرض الإخراج من الأمر **show version** على الموجه هنا.

```
1710#show version
Cisco Internetwork Operating System Software
  (IOS (tm) C1700 Software (C1710-K9O3SY-M
  (Version 12.2(8)T1, RELEASE SOFTWARE (fc2
  TAC Support: http://www.cisco.com/tac
  .Copyright (c) 1986-2002 by cisco Systems, Inc
  Compiled Sat 30-Mar-02 13:30 by ccai
  Image text-base: 0x80008108, data-base: 0x80C1E054

(ROM: System Bootstrap, Version 12.2(1r)XE1, RELEASE SOFTWARE (fc1

  uptime is 1 week, 6 days, 22 hours, 30 minutes 1710
  System returned to ROM by reload
  "System image file is "flash:c1710-k9o3sy-mz.122-8.T1

(cisco 1710 (MPC855T) processor (revision 0x200
  .with 27853K/4915K bytes of memory
Processor board ID JAD052706CX (3234866109), with hardware revision 0000
  MPC855T processor: part number 5, mask 2
  .Bridging software
  .X.25 software, Version 3.0.0
  (Ethernet/IEEE 802.3 interface(s 1
  (FastEthernet/IEEE 802.3 interface(s 1
  (Virtual Private Network (VPN) Module(s 1
  .32K bytes of non-volatile configuration memory
  (16384K bytes of processor board System flash (Read/Write

  Configuration register is 0x2102
```

تم إنشاء المعلومات الواردة في هذا المستند من الأجهزة الموجودة في بيئة معملية خاصة. بدأت جميع الأجهزة المستخدمة في هذا المستند بتكوين ممسوح (افتراضي). إذا كانت شبكتك مباشرة، فتأكد من فهمك للتأثير المحتمل لأي أمر.

الاصطلاحات

أحلت [Cisco](#) في طرف إتفاق لمعلومة على وثيقة إتفاق.

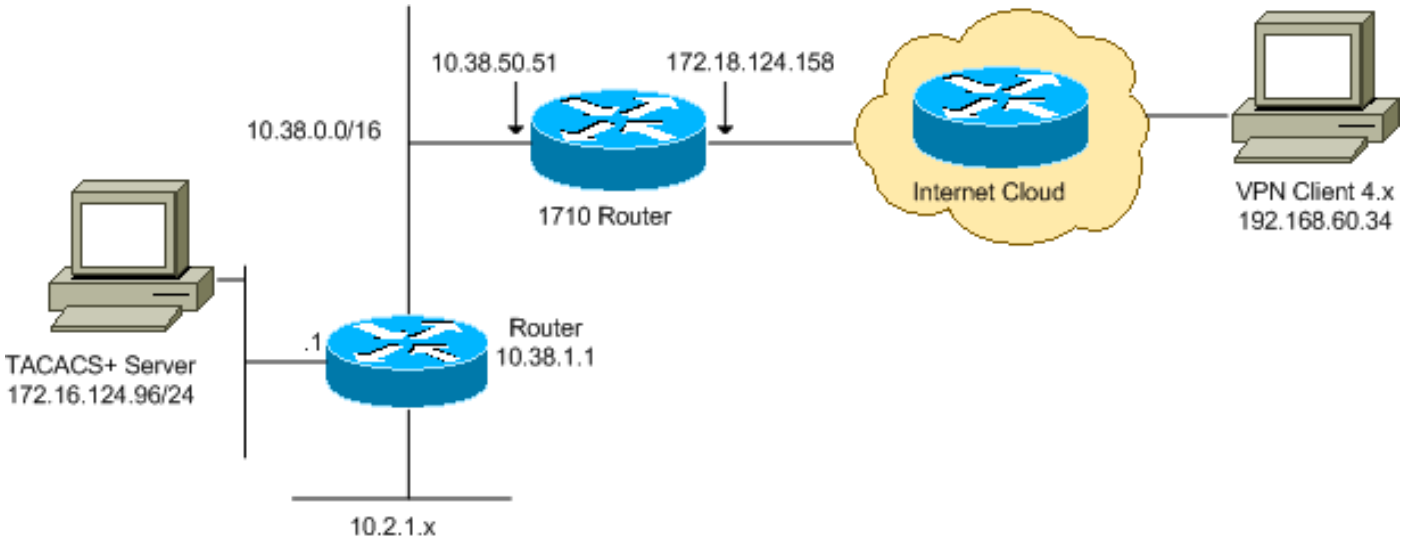
التكوين

في هذا القسم، تُقدّم لك معلومات تكوين الميزات الموضحة في هذا المستند.

ملاحظة: أستخدم [أداة بحث الأوامر](#) (للعلماء [المسجلين](#) فقط) للعثور على مزيد من المعلومات حول الأوامر المستخدمة في هذا المستند.

الرسم التخطيطي للشبكة

يستخدم هذا المستند إعداد الشبكة التالي:



ملاحظة: ال ip ليس يخاطب خطة يستعمل في هذا تشكيل قانونيا routable على الإنترنت. هم [rfc 1918](#) عنوان أن يتلقى يكون استعملت في مختبر بيئة.

التكوينات

يستخدم هذا المستند التكوينات التالية:

- [موجّه Cisco 1710](#)
- [خادم TACACS+](#)
- [عمل VPN 4.x](#)
- [تقسيم الاتصال النفقي](#)

موجّه Cisco 1710

```
Cisco 1710 موجّه
1710#show run
...Building configuration

Current configuration : 1884 bytes
!
version 12.2
service timestamps debug uptime
service timestamps log uptime
no service password-encryption
!
hostname 1710
!
Enable authentication, authorization and accounting ---!
```

```
(AAA) !--- for user authentication and group
                authorization. aaa new-model
                !
    In order to enable extended authentication (Xauth) ---!
                for user authentication, !--- enable the aaa
authentication commands. !--- The group TACACS+ command
                .specifies TACACS+ user authentication

    +aaa authentication login userauthen group tacacs
    In order to enable group authorization, !--- enable ---!
                .the aaa authorization commands

    aaa authorization network groupauthor local
                !
                !
                ip subnet-zero
                !
                !
                !
                ip audit notify log
                ip audit po max-events 100
                !

    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 in order to specify the !--- WINS ---!
    and DNS server addresses to the VPN Client, !--- along
    with the pre-shared key for authentication. crypto
    isakmp client configuration group vpngroup
                key cisco123
                dns 10.2.1.10
                wins 10.2.1.20
                domain cisco.com
                pool ippool
                !

    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 previously created. crypto dynamic-map
                dynmap 10
                set transform-set myset
                !

    Create the actual crypto map, !--- and apply the ---!
    AAA lists that were created earlier. crypto map
    clientmap client authentication list userauthen
    crypto map clientmap isakmp authorization list
                groupauthor
    crypto map clientmap client configuration address
                respond
    crypto map clientmap 10 ipsec-isakmp dynamic dynmap
                !
                !

                fax interface-type fax-mail
                mta receive maximum-recipients 0
                !
                !
                !
```

```

Apply the crypto map on the outside interface. ---!
interface FastEthernet0
ip address 172.18.124.158 255.255.255.0
crypto map clientmap
!
interface Ethernet0
ip address 10.38.50.51 255.255.0.0
!

Create a pool of addresses to be assigned to the ---!
VPN Clients. ip local pool ippool 10.1.1.100 10.1.1.200
ip classless
ip route 0.0.0.0 0.0.0.0 172.18.124.1
ip route 172.16.124.0 255.255.255.0 10.38.1.1
ip route 10.2.1.0 255.255.255.0 10.38.1.1
ip http server
ip pim bidir-enable
!
!
!
Specify the IP address of the TACACS+ server, !--- ---!
along with the TACACS+ shared secret key. tacacs-server
host 172.16.124.96 key cisco123
!
!
line con 0
exec-timeout 0 0
line aux 0
line vty 0 4
!
!
end

```

خادم TACACS+

لتكوين خادم TACACS+، أكمل الخطوات التالية:

1. انقر فوق إضافة إدخال لإضافة إدخال للموجه في قاعدة بيانات خادم TACACS+.

AAA Client Hostname	AAA Client IP Address	Authenticate Using
340	172.18.124.151	RADIUS (Cisco Aironet)
Aironet-340-Lab	10.36.1.99	RADIUS (Cisco Aironet)
others	<Default>	TACACS+ (Cisco IOS)

[Add Entry](#)

2. في صفحة إضافة عميل AAA، أدخل معلومات الموجه كما هو موضح في هذه الصورة:

Add AAA Client

AAA Client Hostname: 1710Router

AAA Client IP Address: 10.38.50.51

Key: cisco123

Authenticate Using: TACACS+ (Cisco IOS)

Single Connect TACACS+ AAA Client (Record stop in accounting on failure).

Log Update/Watchdog Packets from this AAA Client

Log RADIUS Tunneling Packets from this AAA Client

في حقل اسم المضيف لعميل AAA، أدخل اسما للموجه. في حقل عنوان IP لعميل AAA، أدخل 10.38.50.51. دخلت في المفتاح مجال، cisco123 بما أن ال يشارك سر مفتاح. من القائمة المنسدلة مصادقة باستخدام، اختر (TACACS+ (Cisco IOS)، وانقر فوق إرسال.

3. دخلت في المستعمل مجال، المستعمل إسم ل ال VPN مستعمل في ال cisco يأمن قاعدة معطيات، وطققة يضيف/يحرر. في هذا مثال، المستعمل إسم .cisco

User: cisco

List users beginning with letter/number:

A	B	C	D	E	F	G	H	I	J	K	L	M
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9			

- [User Setup and External User Databases](#)
- [Finding a Specific User in the CiscoSecure User Database](#)
- [Adding a User to the CiscoSecure User Database](#)
- [Listing Usernames that Begin with a Particular Character](#)
- [Listing All Usernames in the CiscoSecure User Database](#)
- [Changing a Username in the CiscoSecure User Database](#)

User Setup enables you to configure individual user information, add users, and delete users in the database.

4. في الصفحة التالية، أدخل كلمة المرور وأكدها للمستخدم .cisco. في هذا مثال، الكلمة أيضا .cisco

Supplementary User Info

Real Name

Description

User Setup

Password Authentication:

CiscoSecure PAP (Also used for CHAP/MS-CHAP/ARAP, if the Separate field is not checked.)

Password

Confirm Password

Separate (CHAP/MS-CHAP/ARAP)

Password

Confirm Password

When using a Token Card server for authentication, supplying a separate CHAP password for a token card user allows CHAP authentication. This is especially useful when token caching is enabled.

Group to which the user is assigned:

- [Account Disabled](#)
- [Deleting a Username](#)
- [Supplementary User Info](#)
- [Password Authentication](#)
- [Group to which the user is assigned](#)
- [Callback](#)
- [Client IP Address Assignment](#)
- [Advanced Settings](#)
- [Network Access Restrictions](#)
- [Max Sessions](#)
- [Usage Quotas](#)
- [Account Disable](#)
- [Downloadable ACLs](#)
- [Advanced TACACS+ Settings](#)
- [TACACS+ Enable Control](#)
- [TACACS+ Enable Password](#)
- [TACACS+ Outbound Password](#)
- [TACACS+ Shell Command Authorization](#)
- [TACACS+ Unknown Services](#)
- [IETF RADIUS Attributes](#)
- [RADIUS Vendor-Specific Attributes](#)

Account Disabled Status

Select the Account Disabled check box to disable this account; clear the check box to enable the account.

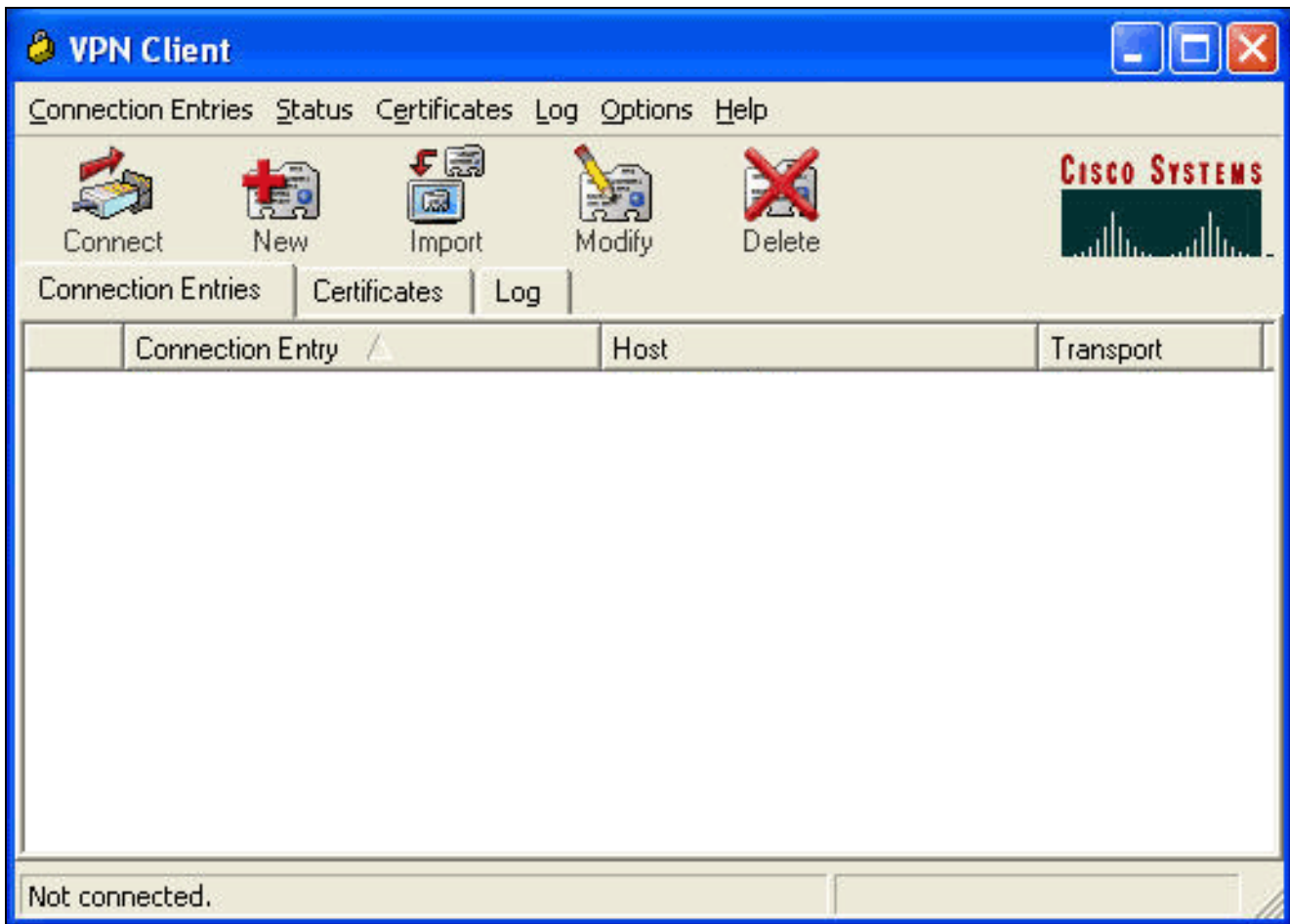
[\[Back to Top\]](#)

5. إذا كنت ترغب في تعيين حساب المستخدم إلى مجموعة، أكمل هذه الخطوة الآن. عند الانتهاء، انقر فوق إرسال.

[عمل VPN 4.x](#)

لتكوين عميل VPN 4.x، أكمل الخطوات التالية:

1. أطلقت ال VPN زبون، وطققة جديد in order to خلقت توصيل جديد.



يظهر مربع الحوار "إنشاء اتصال VPN جديد ل

VPN Client | Create New VPN Connection Entry

Connection Entry:

Description:

Host:

Authentication | Transport | Backup Servers | Dial-Up

Group Authentication Mutual Group Authentication

Name:

Password:


Confirm Password:

Certificate Authentication

Name:

Send CA Certificate Chain

Erase User Password | Save | Cancel



2. في مربع الحوار "إنشاء اتصال VPN جديد"، أدخل معلومات الاتصال كما هو موضح في هذه

VPN

VPN Client | Create New VPN Connection Entry

Connection Entry: IOS

Description: Connection to an IOS roter

Host: 172.18.124.158

Authentication | Transport | Backup Servers | Dial-Up

Group Authentication Mutual Group Authentication

Name: vpngroup

Password: *****

Confirm Password: *****

Certificate Authentication

Name: [Dropdown]

Send CA Certificate Chain

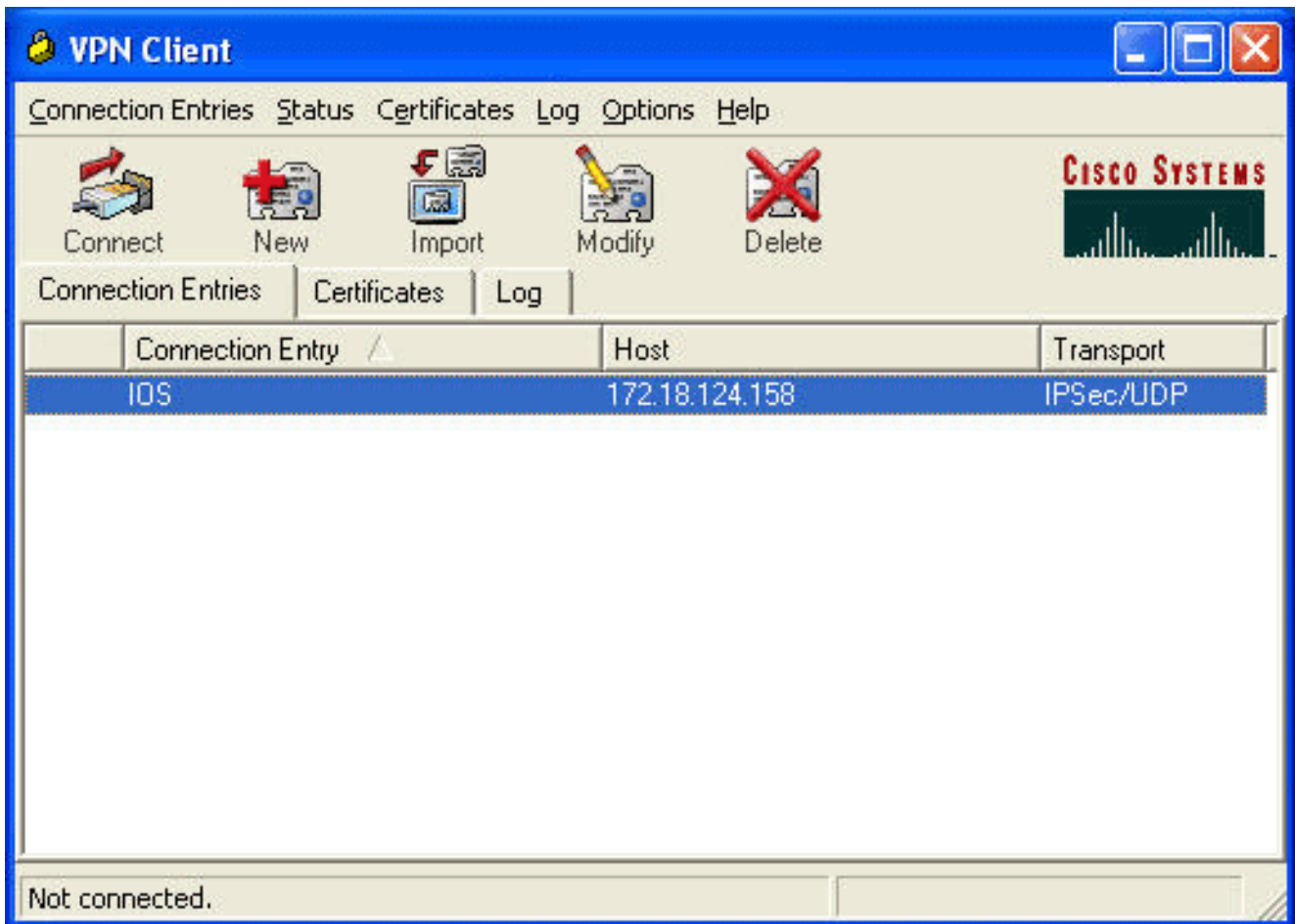
Erase User Password | Save | Cancel



في الصورة:

حقل "إدخال الاتصال"، أدخل اسما للاتصال. في حقل الوصف والمضيف، أدخل وصفا وعنوان IP للمضيف لإدخال الاتصال. في علامة تبويب المصادقة، انقر على زر **مصادقة المجموعة**، وأدخل اسم المستخدم وكلمة المرور الخاصة به. **حفظ** in order to أنقذت التوصيل.

3. في نافذة عميل شبكة VPN، حدد إدخال الاتصال الذي قمت بإنشائه، وانقر فوق **توصيل** للاتصال بالوجه.



4. بينما يقوم IPsec بالتفاوض، تتم مطالبتك باسم مستخدم وكلمة مرور. أدخل اسم مستخدم وكلمة مرور. يعرض الإطار الرسائل التالية: "التفاوض على ملفات الأمن." "الارتباط الخاص بك آمن الآن."

تقسيم الاتصال النفقي

لتمكين الاتصال النفقي المنقسم لاتصالات VPN، تأكد من تكوين قائمة تحكم في الوصول (ACL) على الوجه. في هذا المثال، يتم إقران الأمر 102 access-list بالمجموعة لأغراض تقسيم الاتصال النفقي، ويتم تكوين النفق لشبكات 10.16.10.38 و 10.2.x.x. تتدفق حركة المرور غير مشفرة إلى الأجهزة غير الموجودة في قائمة التحكم في الوصول 102 (على سبيل المثال، الإنترنت).

```
access-list 102 permit ip 10.38.0.0 0.0.255.255 10.1.1.0 0.0.0.255
access-list 102 permit ip 10.2.0.0 0.0.255.255 10.1.1.0 0.0.0.255
```

تطبيق قائمة التحكم في الوصول (ACL) على خصائص المجموعة.

```
crypto isakmp client configuration group vpnsgroup
    key cisco123
    dns 10.2.1.10
    wins 10.2.1.20
    domain cisco.com
    pool ippool
    acl 102
```

التحقق من الصحة

يوفر هذا القسم معلومات يمكنك استخدامها للتأكد من أن التكوين يعمل بشكل صحيح.

يتم دعم بعض أوامر العرض بواسطة [أداة مترجم الإخراج \(العملاء المسجلون فقط\)](#). تتيح لك هذه الأداة عرض تحليل مخرج الأمر `show`.

```
1710#show crypto isakmp sa
dst          src          state      conn-id  slot
QM_IDLE          3          0  192.168.60.34  172.18.124.158

1710#show crypto ipsec sa

interface: FastEthernet0
Crypto map tag: clientmap, local addr. 172.18.124.158

(local ident (addr/mask/prot/port): (172.18.124.158/255.255.255.0/0
(remote ident (addr/mask/prot/port): (10.1.1.114/255.255.255.0/0
current_peer: 192.168.60.34
              {}=PERMIT, flags
pkts encaps: 0, #pkts encrypt: 0, #pkts digest 0#
pkts decaps: 0, #pkts decrypt: 0, #pkts verify 0#
pkts compressed: 0, #pkts decompressed: 0#
pkts not compressed: 0, #pkts compr. failed: 0, #pkts decompress failed: 0#
send errors 0, #recv errors 0#

local crypto endpt.: 172.18.124.158, remote crypto endpt.: 192.168.60.34
path mtu 1500, media mtu 1500
current outbound spi: 8F9BB05F

:inbound esp sas
(spi: 0x61C53A64(1640315492
, transform: esp-3des esp-sha-hmac
{ ,in use settings ={Tunnel
slot: 0, conn id: 200, flow_id: 1, crypto map: clientmap
(sa timing: remaining key lifetime (k/sec): (4608000/3294
IV size: 8 bytes
replay detection support: Y

:inbound ah sas

:inbound pcg sas

:outbound esp sas
(spi: 0x8F9BB05F(2409345119
, transform: esp-3des esp-sha-hmac
{ ,in use settings ={Tunnel
slot: 0, conn id: 201, flow_id: 2, crypto map: clientmap
(sa timing: remaining key lifetime (k/sec): (4608000/3294
IV size: 8 bytes
replay detection support: Y

:outbound ah sas

:outbound pcg sas

(local ident (addr/mask/prot/port): (10.38.0.0/255.255.0.0/0
(remote ident (addr/mask/prot/port): (10.1.1.114/255.255.255.0/0
current_peer: 192.168.60.34
              {}=PERMIT, flags
pkts encaps: 3, #pkts encrypt: 3, #pkts digest 3#
```

```
pkts decaps: 3, #pkts decrypt: 3, #pkts verify 3#
pkts compressed: 0, #pkts decompressed: 0#
pkts not compressed: 0, #pkts compr. failed: 0, #pkts decompress failed: 0#
send errors 0, #recv errors 0#
```

```
local crypto endpt.: 172.18.124.158, remote crypto endpt.: 192.168.60.34
path mtu 1500, media mtu 1500
current outbound spi: 8B57E45E
```

```
:inbound esp sas
(spi: 0x89898D1A(2307493146
, transform: esp-3des esp-sha-hmac
{ ,in use settings ={Tunnel
slot: 0, conn id: 202, flow_id: 3, crypto map: clientmap
(sa timing: remaining key lifetime (k/sec): (4607999/3452
IV size: 8 bytes
replay detection support: Y
```

```
:inbound ah sas
```

```
:inbound pcp sas
```

```
:outbound esp sas
(spi: 0x8B57E45E(2337793118
, transform: esp-3des esp-sha-hmac
{ ,in use settings ={Tunnel
slot: 0, conn id: 203, flow_id: 4, crypto map: clientmap
(sa timing: remaining key lifetime (k/sec): (4607999/3452
IV size: 8 bytes
replay detection support: Y
```

```
:outbound ah sas
```

```
:outbound pcp sas
```

```
1710#show crypto engine connections active
```

ID	Interface	IP-Address	State	Algorithm	Encrypt	Decrypt
	FastEthernet0	172.18.124.158	set	HMAC_SHA+3DES_56_C	0	0 2
	FastEthernet0	172.18.124.158	set	HMAC_SHA+3DES_56_C	0	0 200
	FastEthernet0	172.18.124.158	set	HMAC_SHA+3DES_56_C	0	0 201
	FastEthernet0	172.18.124.158	set	HMAC_SHA+3DES_56_C	0	3 202
	FastEthernet0	172.18.124.158	set	HMAC_SHA+3DES_56_C	3	0 203

استكشاف الأخطاء وإصلاحها

يوفر هذا القسم معلومات يمكنك استخدامها لاستكشاف أخطاء التكوين وإصلاحها.

أوامر استكشاف الأخطاء وإصلاحها

تدعم أداة مترجم الإخراج (للعلماء المسجلين فقط) بعض أوامر `show`. استعملت ال OIT in order to شاهدت تحليل من عرض أمر إنتاج.

ملاحظة: ارجع إلى [معلومات مهمة حول أوامر التصحيح](#) قبل استخدام أوامر `debug`.

- `debug crypto ipSec`—يعرض معلومات تصحيح الأخطاء حول إتصالات IPsec.
- `debug crypto isakmp`—يعرض معلومات تصحيح الأخطاء حول إتصالات IPsec ويظهر المجموعة الأولى من

- السمات التي يتم رفضها بسبب عدم التوافق على كلا النهايتين.
- **debug crypto engine**—يعرض معلومات من محرك التشفير.
- **debug aaa authentication**— يعرض معلومات حول مصادقة AAA/TACACS+.
- **تصحيح أخطاء تفويض المصادقة والتفويض والمحاسبة (AAA)**—يعرض معلومات حول تفويض AAA/TACACS+.
- **debug tacacs**— يعرض المعلومات التي تتيح لك أكتشاف أخطاء الاتصال بين خادم TACACS+ والموجه وإصلاحها.

سجلات الموجه

```

1710#show debug
:General OS
TACACS access control debugging is on
AAA Authentication debugging is on
AAA Authorization debugging is on
:Cryptographic Subsystem
Crypto ISAKMP debugging is on
Crypto Engine debugging is on
Crypto IPSEC debugging is on

1710#
1w6d: ISAKMP (0:0): received packet from 192.168.60.34 (N) NEW SA
1w6d: ISAKMP: local port 500, remote port 500
1w6d: ISAKMP (0:2): (Re)Setting client xauth list userauthen and state
1w6d: ISAKMP: Locking CONFIG struct 0x8158B894 from
crypto_ikmp_config_initialize_sa, count 2
1w6d: ISAKMP (0:2): processing SA payload. message ID = 0
1w6d: ISAKMP (0:2): processing ID payload. message ID = 0
1w6d: ISAKMP (0:2): processing vendor id payload
1w6d: ISAKMP (0:2): vendor ID seems Unity/DPD but bad major
1w6d: ISAKMP (0:2): vendor ID is XAUTH
1w6d: ISAKMP (0:2): processing vendor id payload
1w6d: ISAKMP (0:2): vendor ID is DPD
1w6d: ISAKMP (0:2): processing vendor id payload
1w6d: ISAKMP (0:2): vendor ID is Unity
1w6d: ISAKMP (0:2): Checking ISAKMP transform 1 against priority 3 policy
1w6d: ISAKMP: encryption 3DES-CBC
1w6d: ISAKMP: hash SHA
1w6d: ISAKMP: default group 2
1w6d: ISAKMP: auth XAUTHInitPreShared
1w6d: ISAKMP: life type in seconds
1w6d: ISAKMP: life duration (VPI) of 0x0 0x20 0xC4 0x9B
1w6d: ISAKMP (0:2): atts are acceptable. Next payload is 3
1w6d: CryptoEngine0: generate alg parameter
(1w6d: CryptoEngine0: CRYPTO_ISA_DH_CREATE(hw)(ipsec
1w6d: CRYPTO_ENGINE: Dh phase 1 status: 0
1w6d: ISAKMP (0:2): processing KE payload. message ID = 0
1w6d: CryptoEngine0: generate alg parameter
(1w6d: CryptoEngine0: CRYPTO_ISA_DH_SHARE_SECRET(hw)(ipsec
1w6d: ISAKMP (0:2): processing NONCE payload. message ID = 0
1w6d: ISAKMP (0:2): processing vendor id payload
1w6d: ISAKMP (0:2): processing vendor id payload
1w6d: ISAKMP (0:2): processing vendor id payload
1w6d: AAA: parse name=ISAKMP-ID-AUTH idb type=-1 tty=-1
1w6d: AAA/MEMORY: create_user (0x817F63F4) user='vpngroup' ruser='NULL' ds0=0
port='ISAKMP-ID-AUTH' rem_addr='192.168.60.34' authen_type=NONE
'service=LOGIN priv=0 initial_task_id='0
1w6d: ISAKMP (0:2): Input = IKE_MSG_FROM_PEER, IKE_AM_EXCH

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Old State = IKE_READY New State = IKE_R_AM_AAA_AWAIT

:(1w6d: ISAKMP-ID-AUTH AAA/AUTHOR/CRYPTO AAA(1472763894
Port='ISAKMP-ID-AUTH' list='groupauthor' service=NET
'1w6d: AAA/AUTHOR/CRYPTO AAA: ISAKMP-ID-AUTH(1472763894) user='vpngroup
1w6d: ISAKMP-ID-AUTH AAA/AUTHOR/CRYPTO AAA(1472763894): send AV service=ike
1w6d: ISAKMP-ID-AUTH AAA/AUTHOR/CRYPTO AAA(1472763894): send AV protocol=ipsec
"1w6d: ISAKMP-ID-AUTH AAA/AUTHOR/CRYPTO AAA(1472763894): found list "groupauthor
1w6d: ISAKMP-ID-AUTH AAA/AUTHOR/CRYPTO AAA(1472763894): Method=LOCAL
1w6d: AAA/AUTHOR (1472763894): Post authorization status = PASS_ADD
1w6d: ISAKMP: got callback 1
AAA/AUTHOR/IKE: Processing AV service=ike
AAA/AUTHOR/IKE: Processing AV protocol=ipsec
AAA/AUTHOR/IKE: Processing AV tunnel-password=cisco123
AAA/AUTHOR/IKE: Processing AV default-domain*cisco.com
AAA/AUTHOR/IKE: Processing AV addr-pool*ippool
AAA/AUTHOR/IKE: Processing AV key-exchange=ike
AAA/AUTHOR/IKE: Processing AV timeout*0
AAA/AUTHOR/IKE: Processing AV idletime*0
AAA/AUTHOR/IKE: Processing AV inacl*102
AAA/AUTHOR/IKE: Processing AV dns-servers*10.1.1.10 0.0.0.0
AAA/AUTHOR/IKE: Processing AV wins-servers*10.1.1.20 0.0.0.0
1w6d: CryptoEngine0: create ISAKMP SKEYID for conn id 2
(1w6d: CryptoEngine0: CRYPTO_ISA_SA_CREATE(hw)(ipsec
1w6d: ISAKMP (0:2): SKEYID state generated
1w6d: ISAKMP (0:2): SA is doing pre-shared key authentication plus
XAUTH using id type ID_IPV4_ADDR
1w6d: ISAKMP (2): ID payload
next-payload : 10
type : 1
protocol : 17
port : 500
length : 8
1w6d: ISAKMP (2): Total payload length: 12
1w6d: CryptoEngine0: generate hmac context for conn id 2
(1w6d: CryptoEngine0: CRYPTO_ISA_IKE_HMAC(hw)(ipsec
1w6d: ISAKMP (0:2): sending packet to 192.168.60.34 (R) AG_INIT_EXCH
1w6d: ISAKMP (0:2): Input = IKE_MSG_FROM_AAA, PRESHARED_KEY_REPLY
Old State = IKE_R_AM_AAA_AWAIT New State = IKE_R_AM2

'1w6d: AAA/MEMORY: free_user (0x817F63F4) user='vpngroup
'ruser=NULL' port='ISAK MP-ID-AUTH' rem_addr='192.168.60.34
authen_type=NONE service=LOGIN priv=0
1w6d: ISAKMP (0:2): received packet from 192.168.60.34 (R) AG_INIT_EXCH
(1w6d: CryptoEngine0: CRYPTO_ISA_IKE_DECRYPT(hw)(ipsec
1w6d: ISAKMP (0:2): processing HASH payload. message ID = 0
1w6d: CryptoEngine0: generate hmac context for conn id 2
(1w6d: CryptoEngine0: CRYPTO_ISA_IKE_HMAC(hw)(ipsec
1w6d: ISAKMP (0:2): processing NOTIFY INITIAL_CONTACT protocol 1
spi 0, message ID = 0, sa = 81673884
1w6d: ISAKMP (0:2): Process initial contact, bring down
existing phase 1 and 2 SA's
1w6d: ISAKMP (0:2): returning IP addr to the address pool: 10.1.1.113
1w6d: ISAKMP (0:2): returning address 10.1.1.113 to pool
.1w6d: ISAKMP (0:2): peer does not do paranoid keepalives

1w6d: ISAKMP (0:2): SA has been authenticated with 192.168.60.34
1w6d: CryptoEngine0: clear dh number for conn id 1
(1w6d: CryptoEngine0: CRYPTO_ISA_DH_DELETE(hw)(ipsec
...1w6d: IPSEC(key_engine): got a queue event
1w6d: IPSEC(key_engine_delete_sas): rec'd delete notify from ISAKMP
1w6d: IPSEC(key_engine_delete_sas): delete all SAs shared with 192.168.60.34
1w6d: CryptoEngine0: generate hmac context for conn id 2
(1w6d: CryptoEngine0: CRYPTO_ISA_IKE_HMAC(hw)(ipsec

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(1w6d: CryptoEngine0: CRYPTO_ISA_IKE_ENCRYPT(hw)(ipsec
1w6d: ISAKMP (0:2): sending packet to 192.168.60.34 (R) QM_IDLE
      1w6d: ISAKMP (0:2): purging node 1324880791
      1w6d: ISAKMP: Sending phase 1 responder lifetime 86400

1w6d: ISAKMP (0:2): Input = IKE_MSG_FROM_PEER, IKE_AM_EXCH
      Old State = IKE_R_AM2 New State = IKE_P1_COMPLETE

      1w6d: ISAKMP (0:2): Need XAUTH
      1w6d: AAA: parse name=ISAKMP idb type=-1 tty=-1
      '1w6d: AAA/MEMORY: create_user (0x812F79FC) user='NULL
        '=ruser='NULL' ds0=0 port
      ISAKMP' rem_addr='192.168.60.34' authen_type=ASCII service=LOGIN
        'priv=0 initial_task_id='0
      1w6d: ISAKMP (0:2): Input = IKE_MSG_INTERNAL, IKE_PHASE1_COMPLETE
      Old State = IKE_P1_COMPLETE New State = IKE_XAUTH_AAA_START_LOGIN_AWAIT

      '1w6d: AAA/AUTHEN/START (2017610393): port='ISAKMP' list='userauthen
        action=LOGIN service=LOGIN
      1w6d: AAA/AUTHEN/START (2017610393): found list userauthen
      (+1w6d: AAA/AUTHEN/START (2017610393): Method=tacacs+ (tacacs
      1w6d: TAC+: send AUTHEN/START packet ver=192 id=2017610393
      .1w6d: TAC+: Using default tacacs server-group "tacacs+" list
      1w6d: TAC+: Opening TCP/IP to 172.16.124.96/49 timeout=5
      1w6d: TAC+: Opened TCP/IP handle 0x8183D638 to 172.16.124.96/49
      1w6d: TAC+: 172.16.124.96 (2017610393) AUTHEN/START/LOGIN/ASCII queued
      1w6d: TAC+: (2017610393) AUTHEN/START/LOGIN/ASCII processed
      1w6d: TAC+: ver=192 id=2017610393 received AUTHEN status = GETUSER
      1w6d: AAA/AUTHEN(2017610393): Status=GETUSER
      1w6d: ISAKMP: got callback 1
      1w6d: ISAKMP/xauth: request attribute XAUTH_TYPE_V2
      1w6d: ISAKMP/xauth: request attribute XAUTH_MESSAGE_V2
      1w6d: ISAKMP/xauth: request attribute XAUTH_USER_NAME_V2
      1w6d: ISAKMP/xauth: request attribute XAUTH_USER_PASSWORD_V2
      1w6d: CryptoEngine0: generate hmac context for conn id 2
      (1w6d: CryptoEngine0: CRYPTO_ISA_IKE_HMAC(hw)(ipsec
1w6d: ISAKMP (0:2): initiating peer config to 192.168.60.34. ID = 1641488057
      (1w6d: CryptoEngine0: CRYPTO_ISA_IKE_ENCRYPT(hw)(ipsec
      1w6d: ISAKMP (0:2): sending packet to 192.168.60.34 (R) CONF_XAUTH
      1w6d: ISAKMP (0:2): Input = IKE_MSG_FROM_AAA, IKE_AAA_START_LOGIN
        Old State = IKE_XAUTH_AAA_START_LOGIN_AWAIT
        New State = IKE_XAUTH_REQ_SENT

      1w6d: ISAKMP (0:2): received packet from 192.168.60.34 (R) CONF_XAUTH
      (1w6d: CryptoEngine0: CRYPTO_ISA_IKE_DECRYPT(hw)(ipsec
      .1w6d: ISAKMP (0:2): processing transaction payload from 192.168.60.34
        message ID = 1641488057
      1w6d: CryptoEngine0: generate hmac context for conn id 2
      (1w6d: CryptoEngine0: CRYPTO_ISA_IKE_HMAC(hw)(ipsec
      1w6d: ISAKMP: Config payload REPLY
      1w6d: ISAKMP/xauth: reply attribute XAUTH_TYPE_V2 unexpected
      1w6d: ISAKMP/xauth: reply attribute XAUTH_USER_NAME_V2
      1w6d: ISAKMP/xauth: reply attribute XAUTH_USER_PASSWORD_V2
      1w6d: ISAKMP (0:2): deleting node 1641488057 error FALSE
        "reason "done with xauth request/reply exchange
      1w6d: ISAKMP (0:2): Input = IKE_MSG_FROM_PEER, IKE_CFG_REPLY
        Old State = IKE_XAUTH_REQ_SENT
        New State = IKE_XAUTH_AAA_CONT_LOGIN_AWAIT

      ('(1w6d: AAA/AUTHEN/CONT (2017610393): continue_login (user='(undef
        1w6d: AAA/AUTHEN(2017610393): Status=GETUSER
      (+1w6d: AAA/AUTHEN(2017610393): Method=tacacs+ (tacacs
      1w6d: TAC+: send AUTHEN/CONT packet id=2017610393
      1w6d: TAC+: 172.16.124.96 (2017610393) AUTHEN/CONT queued
```



```
1w6d: TAC+: (2017610393) AUTHEN/CONT processed
1w6d: TAC+: ver=192 id=2017610393 received AUTHEN status = GETPASS
1w6d: AAA/AUTHEN(2017610393): Status=GETPASS
('1w6d: AAA/AUTHEN/CONT (2017610393): continue_login (user='cisco
1w6d: AAA/AUTHEN(2017610393): Status=GETPASS
(+1w6d: AAA/AUTHEN(2017610393): Method=tacacs+ (tacacs
1w6d: TAC+: send AUTHEN/CONT packet id=2017610393
1w6d: TAC+: 172.16.124.96 (2017610393) AUTHEN/CONT queued
1w6d: TAC+: (2017610393) AUTHEN/CONT processed
1w6d: TAC+: ver=192 id=2017610393 received AUTHEN status = PASS
1w6d: AAA/AUTHEN(2017610393): Status=PASS
1w6d: ISAKMP: got callback 1
1w6d: TAC+: Closing TCP/IP 0x8183D638 connection to 172.16.124.96/49
1w6d: CryptoEngine0: generate hmac context for conn id 2
(1w6d: CryptoEngine0: CRYPTO_ISA_IKE_HMAC(hw)(ipsec
1w6d: ISAKMP (0:2): initiating peer config to 192.168.60.34. ID = 1736579999
(1w6d: CryptoEngine0: CRYPTO_ISA_IKE_ENCRYPT(hw)(ipsec
1w6d: ISAKMP (0:2): sending packet to 192.168.60.34 (R) CONF_XAUTH
1w6d: ISAKMP (0:2): Input = IKE_MSG_FROM_AAA, IKE_AAA_CONT_LOGIN
Old State = IKE_XAUTH_AAA_CONT_LOGIN_AWAIT
New State = IKE_XAUTH_SET_SENT

'1w6d: AAA/MEMORY: free_user (0x812F79FC) user='cisco' ruser='NULL
port='ISAKMP' rem_addr='192.168.60.34' authen_type=ASCII
service=LOGIN priv=0
1w6d: ISAKMP (0:2): received packet from 192.168.60.34 (R) CONF_XAUTH
(1w6d: CryptoEngine0: CRYPTO_ISA_IKE_DECRYPT(hw)(ipsec
.1w6d: ISAKMP (0:2): processing transaction payload from 192.168.60.34
message ID = 1736579999
1w6d: CryptoEngine0: generate hmac context for conn id 2
(1w6d: CryptoEngine0: CRYPTO_ISA_IKE_HMAC(hw)(ipsec
1w6d: ISAKMP: Config payload ACK
1w6d: ISAKMP (0:2): XAUTH ACK Processed
1w6d: ISAKMP (0:2): deleting node 1736579999 error FALSE
"reason "done with transaction
1w6d: ISAKMP (0:2): Input = IKE_MSG_FROM_PEER, IKE_CFG_ACK
Old State = IKE_XAUTH_SET_SENT New State = IKE_P1_COMPLETE

1w6d: ISAKMP (0:2): Input = IKE_MSG_INTERNAL, IKE_PHASE1_COMPLETE
Old State = IKE_P1_COMPLETE New State = IKE_P1_COMPLETE

1w6d: ISAKMP (0:2): received packet from 192.168.60.34 (R) QM_IDLE
(1w6d: CryptoEngine0: CRYPTO_ISA_IKE_DECRYPT(hw)(ipsec
.1w6d: ISAKMP (0:2): processing transaction payload from 192.168.60.34
message ID = 398811763
1w6d: CryptoEngine0: generate hmac context for conn id 2
(1w6d: CryptoEngine0: CRYPTO_ISA_IKE_HMAC(hw)(ipsec
1w6d: ISAKMP: Config payload REQUEST
:1w6d: ISAKMP (0:2): checking request
1w6d: ISAKMP: IP4_ADDRESS
1w6d: ISAKMP: IP4_NETMASK
1w6d: ISAKMP: IP4_DNS
1w6d: ISAKMP: IP4_NBNS
1w6d: ISAKMP: ADDRESS_EXPIRY
1w6d: ISAKMP: APPLICATION_VERSION
1w6d: ISAKMP: UNKNOWN Unknown Attr: 0x7000
1w6d: ISAKMP: UNKNOWN Unknown Attr: 0x7001
1w6d: ISAKMP: DEFAULT_DOMAIN
1w6d: ISAKMP: SPLIT_INCLUDE
1w6d: ISAKMP: UNKNOWN Unknown Attr: 0x7007
1w6d: ISAKMP: UNKNOWN Unknown Attr: 0x7008
1w6d: ISAKMP: UNKNOWN Unknown Attr: 0x7005
1w6d: AAA: parse name=ISAKMP-GROUP-AUTH idb type=-1 tty=-1
1w6d: AAA/MEMORY: create_user (0x812F79FC) user='vpngroup' ruser='NULL' ds0=0 po
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rt='ISAKMP-GROUP-AUTH' rem_addr='192.168.60.34' authen_type=NONE service=LOGIN pr
'iv=0 initial_task_id='0
1w6d: ISAKMP (0:2): Input = IKE_MESG_FROM_PEER, IKE_CFG_REQUEST
Old State = IKE_P1_COMPLETE New State = IKE_CONFIG_AUTHOR_AAA_AWAIT

:(1w6d: ISAKMP-GROUP-AUTH AAA/AUTHOR/CRYPTO AAA(1059453615
Port='ISAKMP-GROUP-AUTH' list='groupauthor' service=NET
(1w6d: AAA/AUTHOR/CRYPTO AAA: ISAKMP-GROUP-AUTH(1059453615
'user='vpngroup
:(1w6d: ISAKMP-GROUP-AUTH AAA/AUTHOR/CRYPTO AAA(1059453615
send AV service=ike
:(1w6d: ISAKMP-GROUP-AUTH AAA/AUTHOR/CRYPTO AAA(1059453615
send AV protocol=ipsec
:(1w6d: ISAKMP-GROUP-AUTH AAA/AUTHOR/CRYPTO AAA(1059453615
"found list "groupauthor
:(1w6d: ISAKMP-GROUP-AUTH AAA/AUTHOR/CRYPTO AAA(1059453615
Method=LOCAL
1w6d: AAA/AUTHOR (1059453615): Post authorization status = PASS_ADD
1w6d: ISAKMP: got callback 1
AAA/AUTHOR/IKE: Processing AV service=ike
AAA/AUTHOR/IKE: Processing AV protocol=ipsec
AAA/AUTHOR/IKE: Processing AV tunnel-password=cisco123
AAA/AUTHOR/IKE: Processing AV default-domain*cisco.com
AAA/AUTHOR/IKE: Processing AV addr-pool*ippool
AAA/AUTHOR/IKE: Processing AV key-exchange=ike
AAA/AUTHOR/IKE: Processing AV timeout*0
AAA/AUTHOR/IKE: Processing AV idletime*0
AAA/AUTHOR/IKE: Processing AV inacl*102
AAA/AUTHOR/IKE: Processing AV dns-servers*10.1.1.10 0.0.0.0
AAA/AUTHOR/IKE: Processing AV wins-servers*10.1.1.20 0.0.0.0
:1w6d: ISAKMP (0:2): attributes sent in message
1w6d: Address: 0.2.0.0
1w6d: ISAKMP (0:2): allocating address 10.1.1.114
1w6d: ISAKMP: Sending private address: 10.1.1.114
(1w6d: ISAKMP: Unknown Attr: IP4_NETMASK (0x2
1w6d: ISAKMP: Sending IP4_DNS server address: 10.1.1.10
1w6d: ISAKMP: Sending IP4_NBNS server address: 10.1.1.20
1w6d: ISAKMP: Sending ADDRESS_EXPIRY seconds left to use the address: 86396
:1w6d: ISAKMP: Sending APPLICATION_VERSION string
Cisco Internetwork Operating System Software IOS (tm) C1700 Software
(C1710-K9O3SY-M), Version 12.2(8)T1, RELEASE SOFTWARE (fc2)
TAC Support: http://www.cisco.com/tac
.Copyright (c) 1986-2002 by cisco Systems, Inc
Compiled Sat 30-Mar-02 13:30 by ccai
(1w6d: ISAKMP: Unknown Attr: UNKNOWN (0x7000
(1w6d: ISAKMP: Unknown Attr: UNKNOWN (0x7001
1w6d: ISAKMP: Sending DEFAULT_DOMAIN default domain name: cisco.com
1w6d: ISAKMP: Sending split include name 102 network 10.38.0.0
mask 255.255.0.0 protocol 0, src port 0, dst port 0

(1w6d: ISAKMP: Unknown Attr: UNKNOWN (0x7007
(1w6d: ISAKMP: Unknown Attr: UNKNOWN (0x7008
(1w6d: ISAKMP: Unknown Attr: UNKNOWN (0x7005
1w6d: CryptoEngine0: generate hmac context for conn id 2
(1w6d: CryptoEngine0: CRYPTO_ISA_IKE_HMAC(hw)(ipsec
1w6d: ISAKMP (0:2): responding to peer config from 192.168.60.34. ID = 398811763
(1w6d: CryptoEngine0: CRYPTO_ISA_IKE_ENCRYPT(hw)(ipsec
1w6d: ISAKMP (0:2): sending packet to 192.168.60.34 (R) CONF_ADDR
" 1w6d: ISAKMP (0:2): deleting node 398811763 error FALSE reason
1w6d: ISAKMP (0:2): Input = IKE_MESG_FROM_AAA, IKE_AAA_GROUP_ATTR
Old State = IKE_CONFIG_AUTHOR_AAA_AWAIT New State = IKE_P1_COMPLETE

'1w6d: AAA/MEMORY: free_user (0x812F79FC) user='vpngroup
'ruser=NULL' port='ISAKMP-GROUP-AUTH' rem_addr='192.168.60.34

```



```

1w6d: ISAKMP (0:2): processing NONCE payload. message ID = 1369459046
1w6d: ISAKMP (0:2): processing ID payload. message ID = 1369459046
1w6d: ISAKMP (0:2): processing ID payload. message ID = 1369459046
1w6d: ISAKMP (0:2): asking for 1 spis from ipsec
1w6d: ISAKMP (0:2): Node 1369459046, Input = IKE_MSG_FROM_PEER, IKE_QM_EXCH
Old State = IKE_QM_READY New State = IKE_QM_SPI_STARVE

...1w6d: IPSEC(key_engine): got a queue event
1w6d: IPSEC(spi_response): getting spi 1640315492 for SA
from 172.18.124.158 to 192.168.60.34 for prot 3
(1w6d: ISAKMP: received ke message (2/1
1w6d: CryptoEngine0: generate hmac context for conn id 2
(1w6d: CryptoEngine0: CRYPTO_ISA_IKE_HMAC(hw)(ipsec
(1w6d: CryptoEngine0: CRYPTO_ISA_IKE_ENCRYPT(hw)(ipsec
1w6d: ISAKMP (0:2): sending packet to 192.168.60.34 (R) QM_IDLE
,1w6d: ISAKMP (0:2): Node 1369459046
Input = IKE_MSG_FROM_IPSEC, IKE_SPI_REPLY
Old State = IKE_QM_SPI_STARVE New State = IKE_QM_R_QM2

1w6d: ISAKMP (0:2): received packet from 192.168.60.34 (R) QM_IDLE
(1w6d: CryptoEngine0: CRYPTO_ISA_IKE_DECRYPT(hw)(ipsec
1w6d: CryptoEngine0: generate hmac context for conn id 2
(1w6d: CryptoEngine0: CRYPTO_ISA_IKE_HMAC(hw)(ipsec
1w6d: ipsec allocate flow 0
1w6d: ipsec allocate flow 0
(1w6d: CryptoEngine0: CRYPTO_ISA_IPSEC_KEY_CREATE(hw)(ipsec
(1w6d: CryptoEngine0: CRYPTO_ISA_IPSEC_KEY_CREATE(hw)(ipsec
1w6d: ISAKMP (0:2): Creating IPsec SAs
1w6d: inbound SA from 192.168.60.34 to 172.18.124.158
(proxy 10.1.1.114 to 172.18.124.158)
1w6d: has spi 0x61C53A64 and conn_id 200 and flags 4
1w6d: lifetime of 2147483 seconds
1w6d: outbound SA from 172.18.124.158 to 192.168.60.34
(proxy 172.18.124.158 to 10.1.1.114)
1w6d: has spi -1885622177 and conn_id 201 and flags C
1w6d: lifetime of 2147483 seconds
1w6d: ISAKMP (0:2): deleting node 1369459046 error FALSE
()reason "quick mode done (await
,1w6d: ISAKMP (0:2): Node 1369459046
Input = IKE_MSG_FROM_PEER, IKE_QM_EXCH
Old State = IKE_QM_R_QM2 New State = IKE_QM_PHASE2_COMPLETE

...1w6d: IPSEC(key_engine): got a queue event
, : (1w6d: IPSEC(initialize_sas
, key eng. msg.) INBOUND local= 172.18.124.158)
remote= 192.168.60.34, local_proxy= 172.18.124.158/0.0.0.0/0/0
, (type=1), remote_proxy= 10.1.1.114/0.0.0.0/0/0 (type=1)
, protocol= ESP, transform= esp-3des esp-sha-hmac
, (lifedur= 2147483s and 0kb, spi= 0x61C53A64(1640315492
conn_id= 200, keysize= 0, flags= 0x4
(.1w6d: IPSEC(initialize_sas): , (key eng. msg
, OUTBOUND local= 172.18.124.158, remote= 192.168.60.34
, (local_proxy= 172.18.124.158/0.0.0.0/0/0 (type=1
, (remote_proxy= 10.1.1.114/0.0.0.0/0/0 (type=1
, protocol= ESP, transform= esp-3des esp-sha-hmac
, (lifedur= 2147483s and 0kb, spi= 0x8F9BB05F(2409345119
conn_id= 201, keysize= 0, flags= 0xC
, 1w6d: IPSEC(create_sa): sa created, (sa) sa_dest= 172.18.124.158
, (sa_prot= 50, sa_spi= 0x61C53A64(1640315492
sa_trans= esp-3des esp-sha-hmac , sa_conn_id= 200
, 1w6d: IPSEC(create_sa): sa created, (sa) sa_dest= 192.168.60.34
, (sa_prot= 50, sa_spi= 0x8F9BB05F(2409345119
sa_trans= esp-3des esp-sha-hmac , sa_conn_id= 201

```

سجلات العميل

لعرض السجلات، قم بتشغيل "عارض السجل" على عميل VPN، وقم بتعيين عامل التصفية إلى *High* لجميع الفئات التي تم تكوينها.

يتم عرض إخراج نموذج السجل هنا.

```
Sev=Info/6 DIALER/0x63300002 06/05/02 11:56:06.609 1
    .Initiating connection

Sev=Info/4 CM/0x63100002 06/05/02 11:56:06.609 2
    Begin connection process

Sev=Info/4 CM/0x63100004 06/05/02 11:56:06.609 3
    Establish secure connection using Ethernet

Sev=Info/4 CM/0x63100026 06/05/02 11:56:06.609 4
    "Attempt connection with server "172.18.124.158

Sev=Info/6 IKE/0x6300003B 06/05/02 11:56:06.609 5
    .Attempting to establish a connection with 172.18.124.158

Sev=Info/4 IKE/0x63000013 06/05/02 11:56:06.669 6
SENDING >>> ISAKMP OAK AG (SA, KE, NON, ID, VID, VID, VID) to 172.18.124.158

Sev=Info/5 IKE/0x6300002F 06/05/02 11:56:07.250 7
    Received ISAKMP packet: peer = 172.18.124.158

Sev=Info/4 IKE/0x63000014 06/05/02 11:56:07.250 8
RECEIVING <<< ISAKMP OAK AG (SA, VID, VID, VID, VID, KE, ID, NON, HASH) from
    172.18.124.158

Sev=Info/5 IKE/0x63000059 06/05/02 11:56:07.250 9
Vendor ID payload = 12F5F28C457168A9702D9FE274CC0100

Sev=Info/5 IKE/0x63000001 06/05/02 11:56:07.250 10
    Peer is a Cisco-Unity compliant peer

Sev=Info/5 IKE/0x63000059 06/05/02 11:56:07.250 11
Vendor ID payload = AFCAD71368A1F1C96B8696FC77570100

Sev=Info/5 IKE/0x63000001 06/05/02 11:56:07.250 12
    Peer supports DPD

Sev=Info/5 IKE/0x63000059 06/05/02 11:56:07.250 13
Vendor ID payload = 0A0E5F2A15C0B2F2A41B00897B816B3C

Sev=Info/5 IKE/0x63000059 06/05/02 11:56:07.250 14
Vendor ID payload = 09002689DFD6B712

Sev=Info/4 IKE/0x63000013 06/05/02 11:56:07.280 15
SENDING >>> ISAKMP OAK AG *(HASH, NOTIFY:STATUS_INITIAL_CONTACT) to
    172.18.124.158

Sev=Info/5 IKE/0x6300002F 06/05/02 11:56:07.320 16
    Received ISAKMP packet: peer = 172.18.124.158

Sev=Info/4 IKE/0x63000014 06/05/02 11:56:07.320 17
RECEIVING <<< ISAKMP OAK INFO *(HASH, NOTIFY:STATUS_RESP_LIFETIME) from
```

172.18.124.158

Sev=Info/5 IKE/0x63000044 06/05/02 11:56:07.320 18
RESPONDER-LIFETIME notify has value of 86400 seconds

Sev=Info/5 IKE/0x63000046 06/05/02 11:56:07.320 19
This SA has already been alive for 1 seconds, setting expiry to 86399 seconds
from now

Sev=Info/5 IKE/0x6300002F 06/05/02 11:56:07.561 20
Received ISAKMP packet: peer = 172.18.124.158

Sev=Info/4 IKE/0x63000014 06/05/02 11:56:07.561 21
RECEIVING <<< ISAKMP OAK TRANS *(HASH, ATTR) from 172.18.124.158

Sev=Info/4 CM/0x63100015 06/05/02 11:56:07.561 22
Launch xAuth application

Sev=Info/4 IPSEC/0x63700014 06/05/02 11:56:07.571 23
Deleted all keys

Sev=Info/4 CM/0x63100017 06/05/02 11:56:09.734 24
xAuth application returned

Sev=Info/4 IKE/0x63000013 06/05/02 11:56:09.734 25
SENDING >>> ISAKMP OAK TRANS *(HASH, ATTR) to 172.18.124.158

Sev=Info/5 IKE/0x6300002F 06/05/02 11:56:10.174 26
Received ISAKMP packet: peer = 172.18.124.158

Sev=Info/4 IKE/0x63000014 06/05/02 11:56:10.184 27
RECEIVING <<< ISAKMP OAK TRANS *(HASH, ATTR) from 172.18.124.158

Sev=Info/4 CM/0x6310000E 06/05/02 11:56:10.184 28
Established Phase 1 SA. 1 Phase 1 SA in the system

Sev=Info/4 IKE/0x63000013 06/05/02 11:56:10.184 29
SENDING >>> ISAKMP OAK TRANS *(HASH, ATTR) to 172.18.124.158

Sev=Info/5 IKE/0x6300005D 06/05/02 11:56:10.204 30
Client sending a firewall request to concentrator

Sev=Info/5 IKE/0x6300005C 06/05/02 11:56:10.204 31
Firewall Policy: Product=Cisco Integrated Client, Capability= (Centralized
.(Policy Push

Sev=Info/4 IKE/0x63000013 06/05/02 11:56:10.204 32
SENDING >>> ISAKMP OAK TRANS *(HASH, ATTR) to 172.18.124.158

Sev=Info/5 IKE/0x6300002F 06/05/02 11:56:10.265 33
Received ISAKMP packet: peer = 172.18.124.158

Sev=Info/4 IKE/0x63000014 06/05/02 11:56:10.265 34
RECEIVING <<< ISAKMP OAK TRANS *(HASH, ATTR) from 172.18.124.158

Sev=Info/5 IKE/0x63000010 06/05/02 11:56:10.265 35
MODE_CFG_REPLY: Attribute = INTERNAL_IPV4_ADDRESS: , value = 10.1.1.114

Sev=Info/5 IKE/0x63000010 06/05/02 11:56:10.265 36
MODE_CFG_REPLY: Attribute = INTERNAL_IPV4_DNS(1): , value = 10.1.1.10

Sev=Info/5 IKE/0x63000010 06/05/02 11:56:10.265 37
= MODE_CFG_REPLY: Attribute = INTERNAL_IPV4_NBNS(1) (a.k.a. WINS) : , value
10.1.1.20

Sev=Info/5 IKE/0xA3000017 06/05/02 11:56:10.265 38
MODE_CFG_REPLY: The received (INTERNAL_ADDRESS_EXPIRY) attribute and value
is not supported (86396)

Sev=Info/5 IKE/0x6300000E 06/05/02 11:56:10.265 39
,MODE_CFG_REPLY: Attribute = APPLICATION_VERSION
value = Cisco Internetwork Operating System Software
,IOS (tm) C1700 Software (C1710-K9O3SY-M), Version 12.2(8)T1
(RELEASE SOFTWARE (fc2
TAC Support: http://www.cisco.com/tac
.Copyright (c) 1986-2002 by cisco Systems, Inc
Compiled Sat 30-Mar-02 13:30 by ccai

Sev=Info/5 IKE/0x6300000E 06/05/02 11:56:10.265 40
MODE_CFG_REPLY: Attribute = MODECFG_UNITY_DEFDOMAIN: , value = cisco.com

Sev=Info/5 IKE/0x6300000D 06/05/02 11:56:10.265 41
,(MODE_CFG_REPLY: Attribute = MODECFG_UNITY_SPLIT_INCLUDE (# of split_nets
value = 0x00000001

Sev=Info/5 IKE/0x6300000F 06/05/02 11:56:10.265 42
SPLIT_NET #1
subnet = 10.38.0.0
mask = 255.255.0.0
protocol = 0
src port = 0
dest port=0

Sev=Info/4 CM/0x63100019 06/05/02 11:56:10.265 43
Mode Config data received

Sev=Info/5 IKE/0x63000055 06/05/02 11:56:10.275 44
= Received a key request from Driver for IP address 172.18.124.158, GW IP
172.18.124.158

Sev=Info/4 IKE/0x63000013 06/05/02 11:56:10.275 45
SENDING >>> ISAKMP OAK QM *(HASH, SA, NON, ID, ID) to 172.18.124.158

Sev=Info/4 IPSEC/0x63700014 06/05/02 11:56:10.575 46
Deleted all keys

Sev=Info/5 IKE/0x6300002F 06/05/02 11:56:10.605 47
Received ISAKMP packet: peer = 172.18.124.158

Sev=Info/4 IKE/0x63000014 06/05/02 11:56:10.605 48
,RECEIVING <<< ISAKMP OAK QM *(HASH, SA, NON, ID, ID
NOTIFY:STATUS_RESP_LIFETIME) from 172.18.124.158

Sev=Info/5 IKE/0x63000044 06/05/02 11:56:10.605 49
RESPONDER-LIFETIME notify has value of 3600 seconds

Sev=Info/5 IKE/0x63000045 06/05/02 11:56:10.605 50
RESPONDER-LIFETIME notify has value of 4608000 kb

Sev=Info/4 IKE/0x63000013 06/05/02 11:56:10.605 51
SENDING >>> ISAKMP OAK QM *(HASH) to 172.18.124.158

Sev=Info/5 IKE/0x63000058 06/05/02 11:56:10.605 52
Loading IPsec SA (Message ID = 0x51A04966 OUTBOUND SPI = 0x61C53A64 INBOUND
(SPI = 0x8F9BB05F

Sev=Info/5 IKE/0x63000025 06/05/02 11:56:10.605 53
Loaded OUTBOUND ESP SPI: 0x61C53A64

Sev=Info/5 IKE/0x63000026 06/05/02 11:56:10.605 54
Loaded INBOUND ESP SPI: 0x8F9BB05F

Sev=Info/4 CM/0x6310001A 06/05/02 11:56:10.605 55
One secure connection established

Sev=Info/6 DIALER/0x63300003 06/05/02 11:56:10.625 56
.Connection established

Sev=Info/6 DIALER/0x63300008 06/05/02 11:56:10.735 57
MAPI32 Information - Outlook not default mail client

Sev=Info/4 IPSEC/0x63700010 06/05/02 11:56:11.677 58
Created a new key structure

Sev=Info/4 IPSEC/0x6370000F 06/05/02 11:56:11.677 59
Added key with SPI=0x643ac561 into key list

Sev=Info/4 IPSEC/0x63700010 06/05/02 11:56:11.677 60
Created a new key structure

Sev=Info/4 IPSEC/0x6370000F 06/05/02 11:56:11.677 61
Added key with SPI=0x5fb09b8f into key list

معلومات ذات صلة

- دعم نظام مراقبة الدخول إلى وحدة تحكم الوصول إلى المحطة الطرفية (+TACACS)
- خادم التحكم في الوصول الآمن من Cisco لدعم UNIX
- مصدر المحتوى الإضافي الآمن من Cisco لدعم Windows
- دعم عميل شبكة VPN من Cisco
- دعم مفاوضة IPsec/بروتوكولات IKE
- الدعم التقني والمستندات - Cisco Systems

ةمچرتل هذه لوح

ةلأل تاي نقتل نم ةومچم مادختساب دن تسمل اذہ Cisco تچرت
ملاعلاء انءمچ يف نيمدختسمل معدى وتحم مي دقتل ةيرشبل او
امك ةقيقد نوك تنل ةلأل ةمچرت لصف انءمچال مچرئى. ةصاغل مهتبل ب
Cisco يلخت. فرتحم مچرت مامدقي يتل ةيفارتحال ةمچرتل عم لالحل وه
ىل اءءاد ةوچرلاب يصوت وتامچرتل هذه ةقد نع اهتيل وئسم Cisco
Systems (رفوتم طبارل) يلصلأل يزىلچنل دن تسمل