

ASA AnyConnect Secure Mobility Client

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قمدقمل

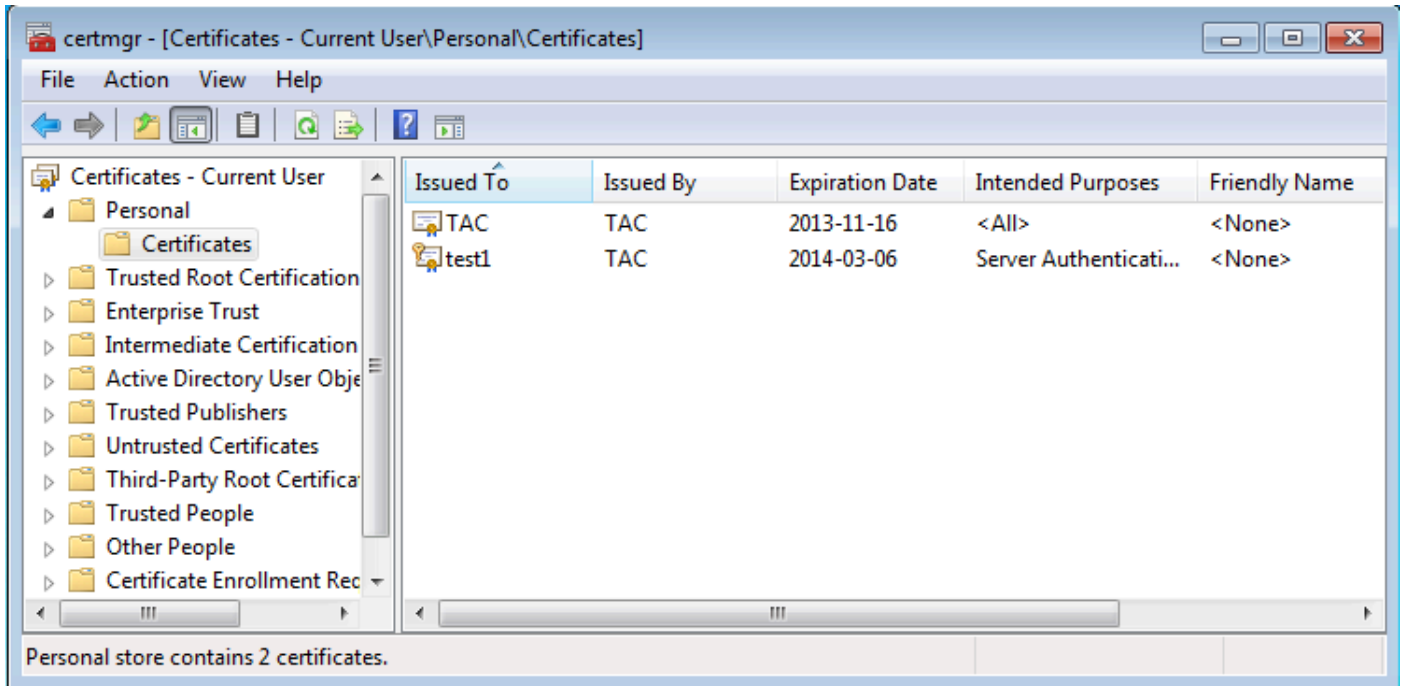
قداصل ممدختسي ASA AnyConnect Secure Mobility Client لوصول نيوكت دنتسمل اذه فصي قدهاشلا قحص نم ققحتلا عم قجودزم.

قيساسالابلاتمل

تابلطمل

قيلالاتل عيضاوملاب قفرعم كيدل نوكت ناب Cisco يصوصت:

- ليصوصتلا ذخأم ققبط نيوكتو ASA (CLI) رماو رطس قهجاو نيوكتب قيساسا قفرعم
- VPN (SSL) قنمالا
- X509 تاداهشب قيساسا قفرعم



ال Microsoft. یمدخستسم نزخم یف ةداهش یلع روثع ال AnyConnect لواحي ،یضارتفا لكشب
AnyConnect. فی رعت فلم یف تارییغت یأ ءارجإ یلإ ءاج

ASA یلع ةداهش ال تیبتت

PKCS #12 base64: ةداهش داریتسا ل ASA ل نكم ی فیك لاثم ال اذه حضوی

<#root>

```
BSNS-ASA5580-40-1(config)# crypto ca import CA pkcs12 123456
```

Enter the base 64 encoded pkcs12.

End with the word "quit" on a line by itself:

```
MIIJBAZCCCMcGCSqGSIb3DQEHAaCCCLgEggiOMIIIsDCCBa8GCSqGSIb3DQEH
```

...

<output ommitted>

...

```
83EwMTAhMAKGBSs0AwIaBQAEFCS/WBSkrOIeT1HARHbLF1FFQvSvBAhu0j9bTtZo
```

```
3AICCAA=
```

```
quit
```

INFO: Import PKCS12 operation completed successfully

داریتسا ال نم ققحتلل show crypto ca certificates رملال مدختسا

```
BSNS-ASA5580-40-1(config)# show crypto ca certificates
```

CA Certificate

Status: Available

Certificate Serial Number: 00cf946de20d0ce6d9

Certificate Usage: General Purpose

Public Key Type: RSA (1024 bits)

Signature Algorithm: SHA1 with RSA Encryption

Issuer Name:

cn=TAC
ou=RAC
o=TAC
l=Warsaw
st=Maz
c=PL

Subject Name:

cn=TAC
ou=RAC
o=TAC
l=Warsaw
st=Maz
c=PL

Validity Date:

start date: 08:11:26 UTC Nov 16 2012
end date: 08:11:26 UTC Nov 16 2013

Associated Trustpoints: CA

Certificate

Status: Available

Certificate Serial Number: 00fe9c3d61e131cda9

Certificate Usage: General Purpose

Public Key Type: RSA (1024 bits)

Signature Algorithm: SHA1 with RSA Encryption

Issuer Name:

cn=TAC
ou=RAC
o=TAC
l=Warsaw
st=Maz
c=PL

Subject Name:

cn=IOS
ou=UNIT
o=TAC
l=Wa
st=Maz
c=PL

Validity Date:

start date: 12:48:31 UTC Nov 29 2012
end date: 12:48:31 UTC Nov 29 2013

Associated Trustpoints: CA

 ضرر عل "جارخ إال مجرتم ةاداً" مدختسأ. show رماوأ ضعب [جارخ إال مجرتم ةاداً معدت](#): ةظحال م تاودأ ىلإ لوصول نيلجسم ال Cisco يمدختسمل طقف نكمي. show رمال جرخم ليلحت ةيلخاد تامولعمو Cisco.

ةداهشل نم ققحتلالو ةيداحأل ةقداصل ل ASA نيوكت

ةحص نم ققحتلال. ةداهشل ةقداصل مو (AAA) ةبساحم لاو ضيوفتلالو ةقداصل ل ASA مدختسي ةيلحم تانايب ةدعاق AAA ةقداصل مدختست. يمازل ةداهشل

ةداهشل ةحص نم ققحتلال عم ةدحاو ةقداصل لاثملا اذه حضوي

<#root>

```
ip local pool POOL 10.1.1.10-10.1.1.20
username cisco password cisco
```

```
webvpn
  enable outside
  AnyConnect image disk0:/AnyConnect-win-3.1.01065-k9.pkg 1
  AnyConnect enable
  tunnel-group-list enable
```

```
group-policy Group1 internal
group-policy Group1 attributes
  vpn-tunnel-protocol ssl-client ssl-clientless
  address-pools value POOL
```

```
tunnel-group RA type remote-access
tunnel-group RA general-attributes
```

authentication-server-group LOCAL

default-group-policy Group1

authorization-required

```
tunnel-group RA webvpn-attributes
```

authentication aaa certificate

group-alias RA enable

لېلدل ىل لوصول لوكوتورب ضيوفت ذيفنت نكمملا نم، نيوكتلا اذه ىل ةفاضل اب دع ب (CN) ةداهشلا مسا لثم، ددحم ةداهش لقح نم مدختسملا مسا مادختساب (LDAP) فيفخلا ةيره اظلال ةصاخلا ةكبشلا لمع ةسلج ىلع اهقيبطتو ةفاضل تامس دادرست نكمي كلذ [ASA AnyConnect VPN](#) ىل عجرا، ةداهشلا ضيوفتو ةقداصملا لوح تامولعمل نم ديزمل (VPN). [تاداهشلا نيوكت لاثمو صصخم ططخم عم OpenLDAP ليوختو](#)

رابتخا

 ضرعل "جارخالا مجرتم ةادأ" مدختسا. show رماوا ضعب [جارخالا مجرتم ةادأ معدت](#): ةطخالما تاودأ ىل لوصول نيلاجسملا Cisco يمدختسمل طقف نكمي. show رمالا جرخم ليلاحت ةلخاد تامولعمل Cisco.

نأ بجي. (cisco ةم لك عم cisco username) يلحم تاغوسم لا، ليكشت اذه تربتخا in order to تدوز ةدوجوم ةداهشلا نوكت:

Cisco AnyConnect | 10.48.67.153

Please enter your username and password.

Group: RA

Username: cisco

Password: *****

OK Cancel

Cisco AnyConnect Secure Mobility Client

 **VPN:** Please enter your username and password.

10.48.67.153

Connect

Settings Information Cisco

ASA: لا يلع رما AnyConnect لي صف vpn-sessionDB ضرع ال تلخد

<#root>

```
BSNS-ASA5580-40-1(config-tunnel-general)# show vpn-sessiondb detail AnyConnect
Session Type: AnyConnect Detailed
```

Username :

cisco

Index : 10

Assigned IP :

10.1.1.10

Public IP : 10.147.24.60

Protocol : AnyConnect-Parent SSL-Tunnel DTLS-Tunnel

License : AnyConnect Premium

Encryption : RC4 AES128 Hashing : none SHA1

Bytes Tx	: 20150	Bytes Rx	: 25199
Pkts Tx	: 16	Pkts Rx	: 192
Pkts Tx Drop	: 0	Pkts Rx Drop	: 0
Group Policy	: Group1	Tunnel Group	: RA
Login Time	: 10:16:35 UTC Sat Apr 13 2013		
Duration	: 0h:01m:30s		
Inactivity	: 0h:00m:00s		
NAC Result	: Unknown		
VLAN Mapping	: N/A	VLAN	: none

AnyConnect-Parent Tunnels: 1
SSL-Tunnel Tunnels: 1
DTLS-Tunnel Tunnels: 1

AnyConnect-Parent:

Tunnel ID	: 10.1		
Public IP	: 10.147.24.60		
Encryption	: none	TCP Src Port	: 62531
TCP Dst Port	: 443	Auth Mode	:

**Certificate
and userPassword**

Idle Time Out: 30 Minutes	Idle TO Left : 28 Minutes
Client Type : AnyConnect	
Client Ver : 3.1.01065	
Bytes Tx : 10075	Bytes Rx : 1696
Pkts Tx : 8	Pkts Rx : 4
Pkts Tx Drop : 0	Pkts Rx Drop : 0

SSL-Tunnel:

Tunnel ID	: 10.2	Public IP	: 10.147.24.60
Assigned IP	: 10.1.1.10	Hashing	: SHA1
Encryption	: RC4	TCP Src Port	: 62535
Encapsulation: TLSv1.0		Auth Mode	:
TCP Dst Port	: 443		

**Certificate
and userPassword**

Idle Time Out: 30 Minutes	Idle TO Left : 28 Minutes
Client Type : SSL VPN Client	
Client Ver : Cisco AnyConnect VPN Agent for Windows 3.1.01065	
Bytes Tx : 5037	Bytes Rx : 2235
Pkts Tx : 4	Pkts Rx : 11
Pkts Tx Drop : 0	Pkts Rx Drop : 0

DTLS-Tunnel:

Tunnel ID	: 10.3	Public IP	: 10.147.24.60
Assigned IP	: 10.1.1.10	Hashing	: SHA1
Encryption	: AES128	UDP Src Port	: 52818
Encapsulation: DTLSv1.0		Auth Mode	:
UDP Dst Port	: 443		

**Certificate
and userPassword**

Idle Time Out: 30 Minutes	Idle TO Left : 29 Minutes
Client Type : DTLS VPN Client	
Client Ver : 3.1.01065	
Bytes Tx : 0	Bytes Rx : 21268

Pkts Tx : 0
Pkts Tx Drop : 0

Pkts Rx : 177
Pkts Rx Drop : 0

NAC:

Reval Int (T): 0 Seconds
SQ Int (T) : 0 Seconds
Hold Left (T): 0 Seconds
Redirect URL :

Reval Left(T): 0 Seconds
EoU Age(T) : 92 Seconds
Posture Token:

ءاطخأل احيصت

 debug. رماوا مدختست نأ لبق ءاطخأل احيصت رماوا نع ةمهم تامولعم ىلإ عجرا :ةظحال م

عجرم ىلع روثلعل مت .تانايبلل ءدعاق يف اتقؤم ءداهشلا نيزخت متي مل ،لاثملا اذه يف نم ققحتلا متو ،(ClientAuthentication) احيصلل اءافملا مادختسا مادختسا مت ،قباطم قءصم :ءاانب ءداهشلا ءص:

<#root>

```
debug aaa authentication
debug aaa authorization
debug webvpn 255
```

debug webvpn AnyConnect 255

```
debug crypto ca 255
```

ءاشنإب ،debug webVPN 255 رمال لثم ،ةيليصفتلل ءاطخأل احيصت رماوا موقت نأ نكمي احيصت ضعب ءلازا تمت .ASA ىلع ريئك لمح عضوواتنا ءئيب يف تالءسلل نم ءيءلل ءاطخأل WebVPN ءوضولل:

<#root>

```
CERT_API: Authenticate session 0x0934d687, non-blocking cb=0x0000000012cfc50
CERT API thread wakes up!
CERT_API: process msg cmd=0, session=0x0934d687
CERT_API: Async locked for session 0x0934d687
CRYPTO_PKI:
```

Checking to see if an identical cert is

already in the database

...

```
CRYPTO_PKI: looking for cert in handle=0x00007ffd8b80ee90, digest=
ad 3d a2 da 83 19 e0 ee d9 b5 2a 83 5c dd e0 70 | .=.....*.\..p
CRYPTO_PKI: Cert record not found, returning E_NOT_FOUND
CRYPTO_PKI:
```


Cert not found in database

.
CRYPTO_PKI:

Looking for suitable trustpoints

...
CRYPTO_PKI: Storage context locked by thread CERT API
CRYPTO_PKI:

Found a suitable authenticated trustpoint CA

.
CRYPTO_PKI(make trustedCerts list)CRYPTO_PKI:check_key_usage: ExtendedKeyUsage
OID = 1.3.6.1.5.5.7.3.1
CRYPTO_PKI:

check_key_usage:Key Usage check OK

CRYPTO_PKI:

Certificate validation: Successful, status: 0

. Attempting to
retrieve revocation status if necessary
CRYPTO_PKI:Certificate validated. serial number: 00FE9C3D61E131CDB1, subject name:
cn=test1,ou=Security,o=Cisco,l=Krakow,st=PL,c=PL.
CRYPTO_PKI: Storage context released by thread CERT API
CRYPTO_PKI: Certificate validated without revocation check

م ت ي و ، ة د د ح م ت ا د ا ه ش ن ي ي ع ت د ع ا و ق د ج و ت ا ل . ة ق ب ا ط م ق ف ن ة ع و م ح م ى ل ع ر و ث ع ل ا ة ل و ا ح م ي ه ه ذ ه
ا ه ر ف و ت ي ت ل ا ق ف ن ل ا ة ع و م ح م م ا د خ ت س ا :

<#root>

CRYPTO_PKI: Attempting to find tunnel group for cert with serial number:
00FE9C3D61E131CDB1, subject name: cn=test1,ou=Security,o=Cisco,l=Krakow,st=PL,
c=PL, issuer_name: cn=TAC,ou=RAC,o=TAC,l=Warsaw,st=Maz,c=PL.
CRYPTO_PKI:

No Tunnel Group Match for peer certificate

.
CERT_API: Unable to find tunnel group for cert using rules (SSL)

ة م ا ع ل ا ة س ل ج ل ا ء ا ط خ ا ح ي ح ص ت و S S L ي ه ه ذ ه

<#root>

%ASA-7-725012: Device chooses cipher : RC4-SHA for the SSL session with client
outside:10.147.24.60/64435
%ASA-7-717025:

Validating certificate chain containing 1 certificate(s).

%ASA-7-717029:

Identified client certificate

within certificate chain. serial
number: 00FE9C3D61E131CDB1, subject name:

cn=test1,ou=Security,o=Cisco,l=Krakow,
st=PL,c=PL

%ASA-7-717030:

Found a suitable trustpoint CA to validate certificate

%ASA-6-717022:

Certificate was successfully validated

. serial number:
00FE9C3D61E131CDB1, subject name: cn=test1,ou=Security,o=Cisco,l=Krakow,st=PL,
c=PL.

%ASA-6-717028: Certificate chain was successfully validated with warning,
revocation status was not checked.

%ASA-6-725002: Device completed SSL handshake with client outside:
10.147.24.60/64435

%ASA-7-717036:

Looking for a tunnel group match based on certificate maps

for
peer certificate with serial number: 00FE9C3D61E131CDB1, subject name: cn=test1,
ou=Security,o=Cisco,l=Krakow,st=PL,c=PL, issuer_name: cn=TAC,ou=RAC,o=TAC,
l=Warsaw,st=Maz,c=PL.

%ASA-4-717037:

**Tunnel group search using certificate maps failed for peer
certificate**

: serial number: 00FE9C3D61E131CDB1, subject name: cn=test1,
ou=Security,o=Cisco,l=Krakow,st=PL,c=PL, issuer_name: cn=TAC,ou=RAC,o=TAC,
l=Warsaw,st=Maz,c=PL.

%ASA-6-113012:

AAA user authentication Successful : local database : user = cisco

%ASA-6-113009:

AAA retrieved default group policy (Group1) for user = cisco

%ASA-6-113008: AAA transaction status ACCEPT : user = cisco

%ASA-7-734003: DAP: User cisco, Addr 10.147.24.60:

Session Attribute aaa.cisco.grouppolicy = Group1

%ASA-7-734003: DAP: User cisco, Addr 10.147.24.60:

Session Attribute aaa.cisco.username = cisco

%ASA-7-734003: DAP: User cisco, Addr 10.147.24.60:

Session Attribute aaa.cisco.username1 = cisco

%ASA-7-734003: DAP: User cisco, Addr 10.147.24.60:

Session Attribute aaa.cisco.username2 =

%ASA-7-734003: DAP: User cisco, Addr 10.147.24.60:

Session Attribute aaa.cisco.tunnelgroup = RA

%ASA-6-734001: DAP: User cisco, Addr 10.147.24.60, Connection AnyConnect: The

following DAP records were selected for this connection: DfltAccessPolicy
%ASA-6-113039: Group <Group1> User <cisco> IP <10.147.24.60> AnyConnect parent
session started.

ةداهشلل نم ققحتلالاو ةجودزم ةقداصلم ASA نيوكت

ةقداصلم لمداخو، ايلحم يساسأل ةقداصلم لمداخ نوكتي ثيح، ةجودزمل ةقداصلم لىل لاثم اذه
انكم ةداهشلل ةحص نم ققحتلال لازي ال. LDAP. وه يوناتل

LDAP: نيوكت لاثم ل اذه حضوي

```
aaa-server LDAP protocol ldap
aaa-server LDAP (outside) host 10.147.24.60
  ldap-base-dn DC=test-cisco,DC=com
  ldap-scope subtree
  ldap-naming-attribute uid
  ldap-login-password *****
  ldap-login-dn CN=Manager,DC=test-cisco,DC=com
server-type openldap
```

يوناتل ةقداصلم لمداخ ةفاضل يلى اميف

<#root>

```
tunnel-group RA general-attributes

  authentication-server-group LOCAL
  secondary-authentication-server-group LDAP

default-group-policy Group1
authorization-required

tunnel-group RA webvpn-attributes
authentication aaa certificate
```

يضا رتفا دادعإ هنأل نيوكتال يف AUTHENTICATION-server-group LOCAL ىرت ال

ةقداصلم لمداخو ةومجمل ةبسنلاب. server-group-ةقداصلم رخآ AAA مداخل يأ مداخلتس انكمي
Security Dynamics مداخل ءانثتساب AAA مداخل عيمج مداخلتس انكمم ل نم، ةيوناتل
International (SDI). لظي نأ نكمي، ةلال هذه يف

رابتخإ

✎ ضع ل "جارخالا مجرتم ةاداً" مدختسأ . show رماو اضعب [جارخالا مجرتم ةاداً معدت](#) :ةظحال م تاودأ ىلا لوصولا نيلجسمل Cisco يمدختسمل طقف نكمي . show رمالا جرخم ليلحت ةيلخاد تامولعمو Cisco .

و (cisco عم لك عم username cisco) دامتعا ةقرويلحم لا ،ليكشت اذه تربتخا in order to تردصأ LDAP نم عم لك عم username cisco) دامتعا ةقرو (LDAP). ةدوجوم ةداهشلا نوكت نأ بجي .

The image displays two screenshots of the Cisco AnyConnect software interface. The top screenshot is a login dialog box titled "Cisco AnyConnect | 10.48.67.153". It prompts the user to "Please enter your username and password." and contains the following fields: "Group:" with a dropdown menu showing "RA", "Username:" with the text "cisco", "Password:" with masked characters "*****", "Second Username:" with the text "cisco", and "Second Password:" with masked characters "*****". At the bottom are "OK" and "Cancel" buttons. The bottom screenshot is the "Cisco AnyConnect Secure Mobility Client" window. It features a yellow warning icon with an exclamation mark and a padlock, followed by the text "VPN: Please enter your username and password." Below this is a dropdown menu showing "10.48.67.153" and a "Connect" button. The window has standard minimize, maximize, and close buttons in the title bar and a status bar at the bottom with a gear icon, an information icon, and the Cisco logo.

ASA لا ىلع رما AnyConnect لىصف vpn-sessionDB ضرعلا تلخد .

ةقداصم لل ASA نيوكت ىلا عجرا . ةيداحألا ةقداصم لآب ةصاخلا كلتل ةلثامم جئاتنلا

. رابٹ خال او ءءاءش لآ نم ققحت لآ او ءءءاء لآ

ءاطخ لآ ءءءصت

ASA نءوكت ىلآ عءرا . ءقءاصم لآ و WebVPN ءسلءل ءاطخ لآ ءءءصت ءاءل لمع لءامء ءءفءاضل ءقءاصم ءءل لمع رهظء . ءاطخ لآ ءءءصء و ءءاءش لآ نم ققحت لآ او ءءءاء لآ ءقءاصم لآ ءءءاء:

<#root>

%ASA-6-113012:

AAA user authentication Successful : local database : user = cisco

%ASA-6-302013: Built outbound TCP connection 1936 for outside:10.147.24.60/389 (10.147.24.60/389) to identity:10.48.67.153/54437 (10.48.67.153/54437)

%ASA-6-113004:

**AAA user authentication Successful : server = 10.147.24.60 :
user = cisco**

%ASA-6-113009: AAA retrieved default group policy (Group1) for user = cisco

%ASA-6-113008: AAA transaction status ACCEPT : user = cisco

LDAP: نءوكت عم فلءءء نأ نكمء لءفصاءء LDAP ءاطخ لآ ءءءصء ءءءء:

[34] Session Start

[34] New request Session, context 0x00007fffd8d7dd828, reqType = Authentication

[34] Fiber started

[34] Creating LDAP context with uri=ldap://10.147.24.60:389

[34] Connect to LDAP server: ldap://10.147.24.60:389, status = Successful

[34] supportedLDAPVersion: value = 3

[34] Binding as Manager

[34] Performing Simple authentication for Manager to 10.147.24.60

[34] LDAP Search:

Base DN = [DC=test-cisco,DC=com]

Filter = [uid=cisco]

Scope = [SUBTREE]

[34] User DN = [uid=cisco,ou=People,dc=test-cisco,dc=com]

[34] Server type for 10.147.24.60 unknown - no password policy

[34] Binding as cisco

[34] Performing Simple authentication for cisco to 10.147.24.60

[34] Processing LDAP response for user cisco

[34] Authentication successful for cisco to 10.147.24.60

[34] Retrieved User Attributes:

[34] cn: value = John Smith

[34] givenName: value = John

[34] sn: value = cisco

[34] uid: value = cisco

[34] uidNumber: value = 10000

[34] gidNumber: value = 10000

[34] homeDirectory: value = /home/cisco

[34] mail: value = name@dev.local

```
[34] objectClass: value = top
[34] objectClass: value = posixAccount
[34] objectClass: value = shadowAccount
[34] objectClass: value = inetOrgPerson
[34] objectClass: value = organizationalPerson
[34] objectClass: value = person
[34] objectClass: value = CiscoPerson
[34] loginShell: value = /bin/bash
[34] userPassword: value = {SSHA}pndf5sfjscTPuyrhL+/QUqhK+i1UCUTy
[34] Fiber exit Tx=315 bytes Rx=911 bytes, status=1
[34] Session End
```

ةقببسم ةئبعتو ةجودزم ةقداصل ASA نيوكت

ةقداصل لل مدختسمال مدختسمال مسال ةني عم ةداهش لوقح نييغت نكممال نم
ةيوناثلاو ةيساسال:

```
<#root>
```

```
username test1 password cisco
```

```
tunnel-group RA general-attributes
```

```
authentication-server-group LOCAL
```

```
secondary-authentication-server-group LDAP
```

```
default-group-policy Group1  
authorization-required
```

```
username-from-certificate CN
```

```
secondary-username-from-certificate OU
```

```
tunnel-group RA webvpn-attributes  
authentication aaa certificate
```

```
pre-fill-username ssl-client
```

```
secondary-pre-fill-username ssl-client
```

```
group-alias RA enable
```

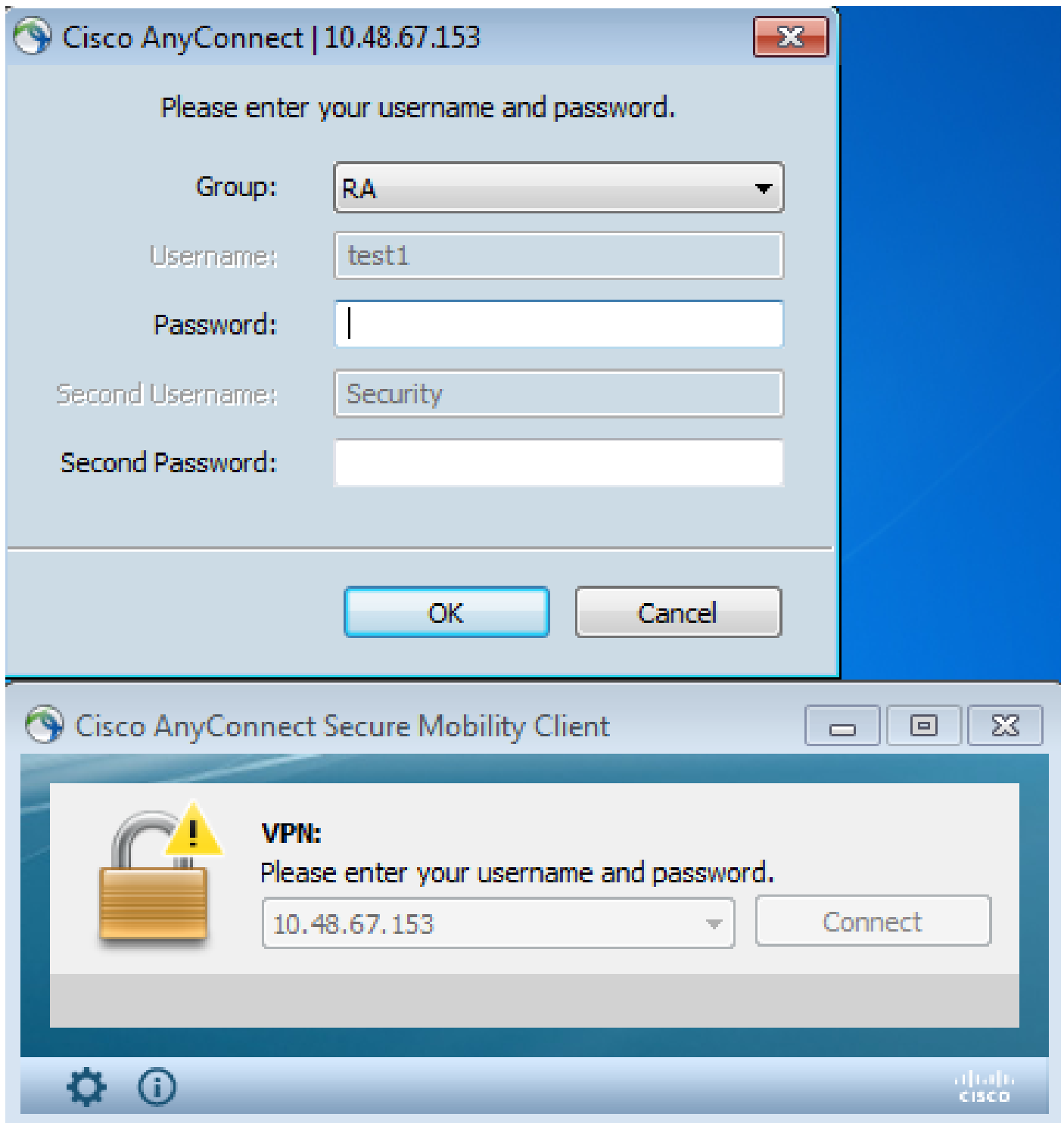
فاش نإ مت ببسلا اذهلو، CN نم مدختسمال مسا ذخأ متي، ةيساسال ةقداصل لل ةبسنلاب
1. يلحمل مدختسمال رابتخا

اذهلو، OU) ةيمظنتلا ةدحوللا نم مدختسملا مسا ذخأ متي، ةيوناثلا ةقداصملا ةبسنلاب
LDAP. مداخ ىلع مدختسملا نامأ عاشنا مت ببسلا

مسا علم AnyConnect ىلع ةقبسملا ةئبعتلا رماوأ مادختسا صرف اضيأ نكمملا نم
مداخ نوكتي ام ةداع، يقيقحلا ملال ويرانيسي في. اقبسم يوناثلاو ياساسال مدختسملا
و Rivest مداخ يوناثلا ةقداصملا مداخ نوكتي امنيب، LDAP و AD مداخ ياساسال ةقداصملا
بجي، ويرانيسلا اذه في. زيمملا زمرلا رورم تاملك مدختسي يذلا (RSA) Adadman و Shamir
زمر رورم ةملكو (اهب مدختسملا ملعي يتلا) AD/LDAP دامتعا تانايب ريفوت مدختسملا ىلع
RSA (همادختسا متي يذلا زاهجلا ىلع) ةداهشو (مدختسملا اهكلتمي يتلا) RSA.

رابتخا

يلقح نم اقبسم أبعم هنال يوناثلا و ياساسال مدختسملا مسا ريغت كنكمي ال هنأ طحال
CN و OU لشلل:



ءاطخأل احيصت

AnyConnect: إلإ هلإسرا مت يذلا ةقپسملإ ةئبعتلل بلط لاثلما اذه حضوي

```
%ASA-7-113028: Extraction of username from VPN client certificate has been requested. [Request 5]
%ASA-7-113028: Extraction of username from VPN client certificate has started. [Request 5]
%ASA-7-113028: Extraction of username from VPN client certificate has finished successfully. [Request 5]
%ASA-7-113028: Extraction of username from VPN client certificate has completed.
```



```
[Request 5]
%ASA-7-113028: Extraction of username from VPN client certificate has been
requested. [Request 6]
%ASA-7-113028: Extraction of username from VPN client certificate has started.
[Request 6]
%ASA-7-113028: Extraction of username from VPN client certificate has finished
successfully. [Request 6]
%ASA-7-113028: Extraction of username from VPN client certificate has completed.
[Request 6]
```

ة:ح ي حصل ال ن ي مد خ ت س م ل ء ا م س أ م د خ ت س ت ة ق د ا ص م ل ا ن أ ى ر ت ا ن ه

<#root>

%ASA-6-113012:

AAA user authentication Successful : local database : user = test1

%ASA-6-302013: Built outbound TCP connection 2137 for outside:10.147.24.60/389
(10.147.24.60/389) to identity:10.48.67.153/46606 (10.48.67.153/46606)
%ASA-6-113004:

**AAA user authentication Successful : server = 10.147.24.60 :
user = Security**

ت ا د ا ه ا ش ط ي ط خ ت و ة ج و د ز م ة ق د ا ص م ل ا S A ن ي و ك ت

ا ذ ه ي ف ح ض و م و ه ا م ك ، ة ن ي ع م ق ا ف ن ا ت ا ع و م ج م ل ا ة د د ح م ل ي م ع ت ا د ا ه ا ش ن ي ي ع ت ا ض ي ا ن ك م م ل ا ن م
ل ا ث م ل :

```
crypto ca certificate map CERT-MAP 10
  issuer-name co tac
```

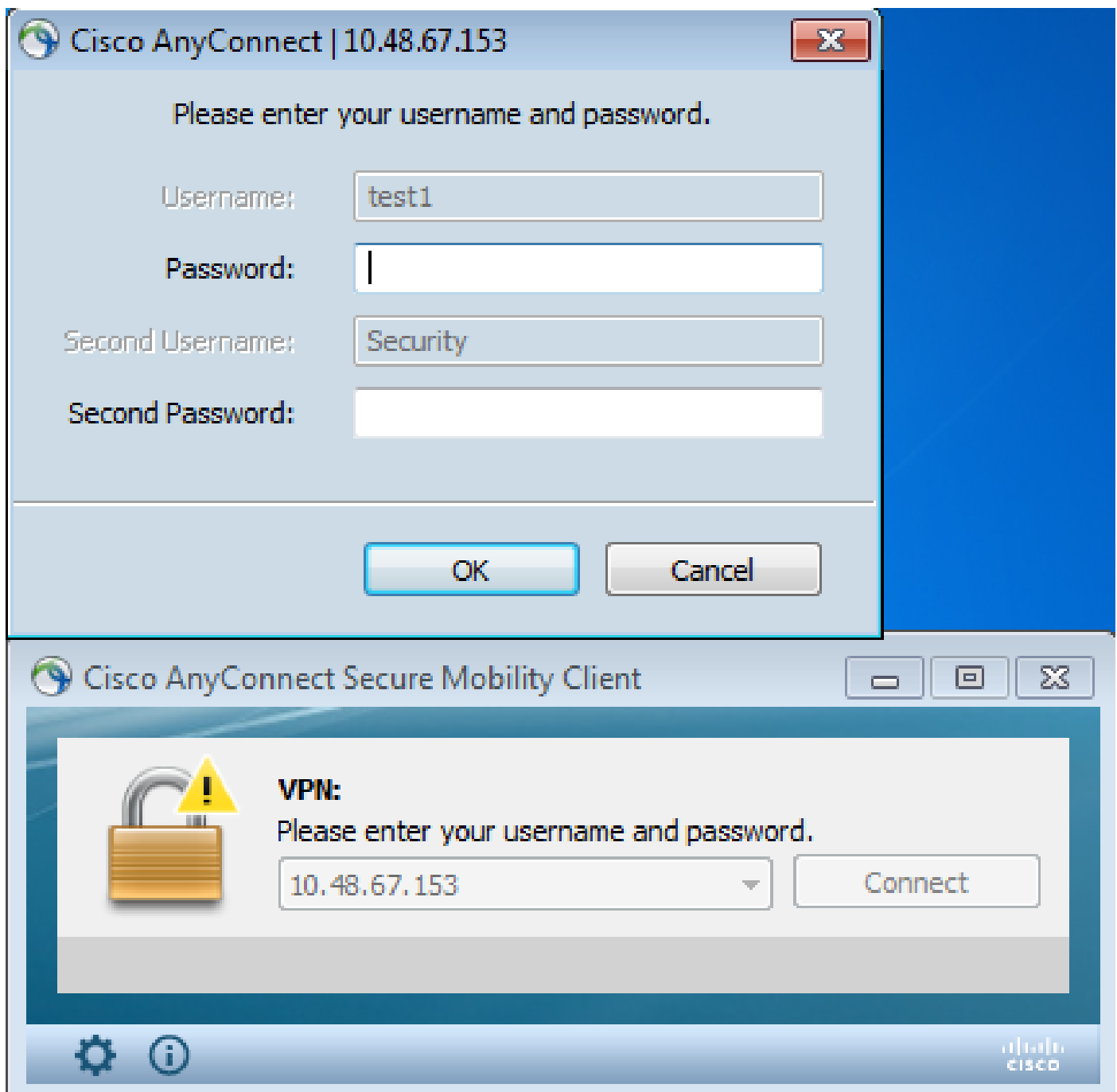
```
webvpn
  certificate-group-map CERT-MAP 10 RA
```

ة د ع ا س م ل ا ز ك ر م) T A C ل ب ق ن م ة ع ق و م ل ا م د خ ت س م ل ا ت ا د ا ه ا ش ع ي م ج ن ي ي ع ت م ت ي ، ة ق ي ر ط ل ا ه ذ ه ب
' R A . ' م س ا ب ق ف ن ة ع و م ج م ل ا C i s c o ن م C A (T A C) ة ي ن ق ت ل ا

 I P s e c . ل ة د ا ه ا ش ل ا ن ي ي ع ت ن ع ف ل ت خ م ل ك ش ب S S L ل ة د ا ه ا ش ل ا ن ي ي ع ت ن ي و ك ت م ت : ة ط ح ا ل م
ن ي و ك ت ل ا ع ض و ي ف ' t u n n e l - g r o u p - m a p ' د ع ا و ق م ا د خ ت س ا ب ه ن ي و ك ت م ت ي ، I P s e c . ل ة ب س ن ل ا ب
ع ض و ن م ض ' c e r t i f i c a t e - g r o u p - m a p ' م ا د خ ت س ا ب ه ن ي و ك ت م ت ي ، S S L ل ة ب س ن ل ا ب . م ا ع ل ا
W e b V P N . ن ي و ك ت

ر ا ب ت خ ا

نآل دعب قفنللا ةومجم رايتخال جاتحت نل ،ةداهشللا نييغت نيكمت درجمب هنا طحال



The image shows two windows from the Cisco AnyConnect client. The top window is a login dialog titled "Cisco AnyConnect | 10.48.67.153". It contains the text "Please enter your username and password." and four input fields: "Username:" with "test1", "Password:" (empty), "Second Username:" with "Security", and "Second Password:" (empty). At the bottom are "OK" and "Cancel" buttons. The bottom window is the "Cisco AnyConnect Secure Mobility Client" interface. It features a large padlock icon with a yellow warning triangle. To the right, it says "VPN:" and "Please enter your username and password." Below this is a dropdown menu showing "10.48.67.153" and a "Connect" button. The bottom of the window has a status bar with a gear icon, an information icon, and the Cisco logo.

ءاطخال احيصت

قفنللا ةومجم ىلع روثللاب ةداهشللا نييغت ةدعاق حمست ،لاثملا اذه يف

<#root>

%ASA-7-717036:

Looking for a tunnel group match based on certificate maps

for
peer certificate with serial number: 00FE9C3D61E131CDB1, subject name: cn=test1,
ou=Security,o=Cisco,l=Krakow,st=PL,c=PL, issuer_name: cn=TAC,ou=RAC,o=TAC,

l=Warsaw,st=Maz,c=PL.

%ASA-7-717038:

Tunnel group match found. Tunnel Group: RA

, Peer certificate:

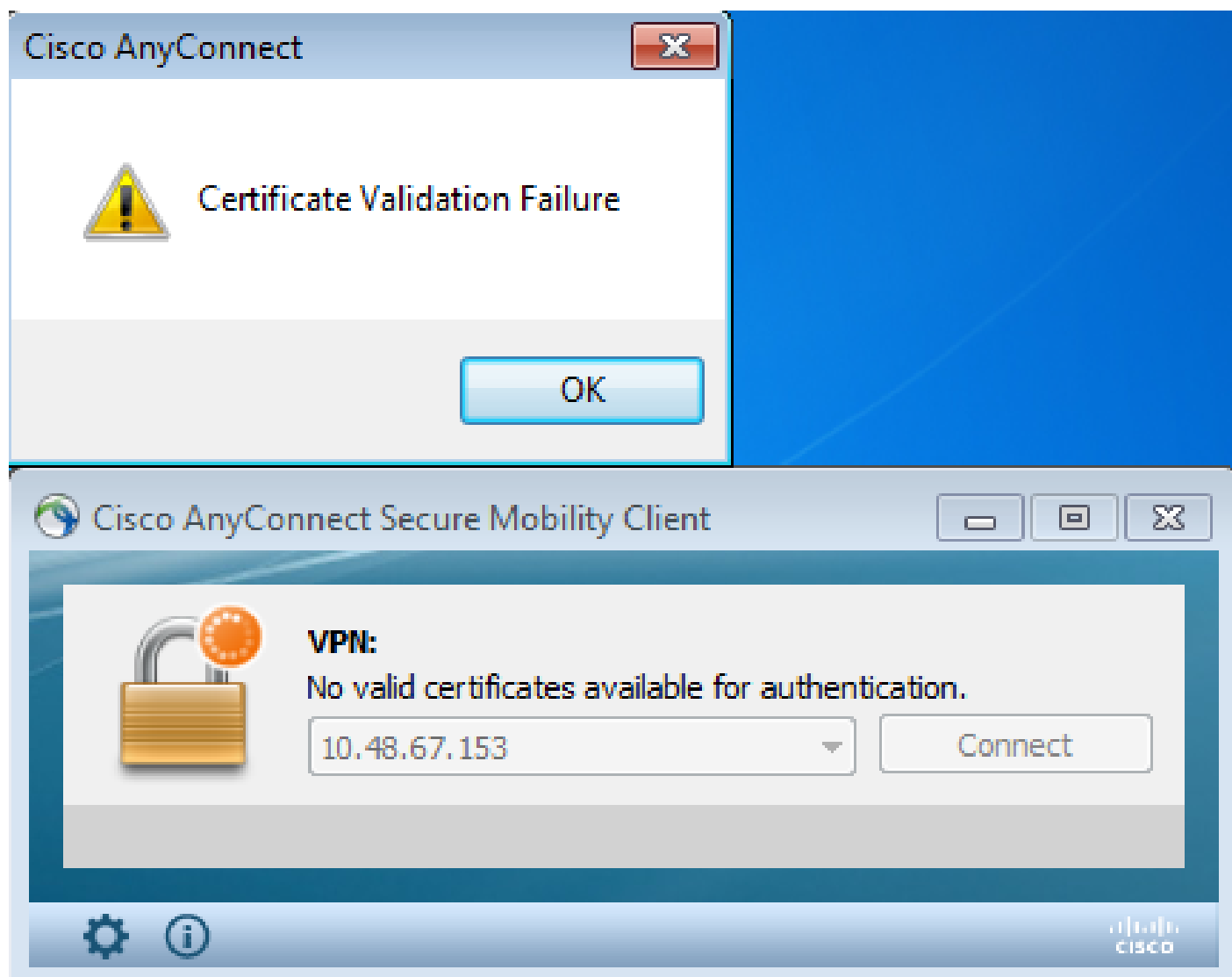
serial number: 00FE9C3D61E131CDB1, subject name: cn=test1,ou=Security,o=Cisco,
l=Krakow,st=PL,c=PL, issuer_name: cn=TAC,ou=RAC,o=TAC,l=Warsaw,st=Maz,c=PL.

اهحال صاوا عا طخاا فاش كسا

اهحال صاوا نيوكاا عا طخا فاش كساا اهم ادخاا ك نكمي تام ولعم مسقا اذ رفوي

ةدوجوم ريغ ةحالا صاا ةداهشا

ةحالا صاا داهش ياى لى روكاا AnyConnect لى لى رذعتي، Windows7 نم ةحالا صاا ةداهش ةلازا دعب



(reset-i): لى لى عمالا لبق نم تي هئا ةسلجال نا ودبي، ASA لى لى

<#root>

```
%ASA-6-302013: Built inbound TCP connection 2489 for outside:10.147.24.60/52838
(10.147.24.60/52838) to identity:10.48.67.153/443 (10.48.67.153/443)
%ASA-6-725001: Starting SSL handshake with client outside:10.147.24.60/52838 for
TLSv1 session.
%ASA-7-725010: Device supports the following 4 cipher(s).
%ASA-7-725011: Cipher[1] : RC4-SHA
%ASA-7-725011: Cipher[2] : AES128-SHA
%ASA-7-725011: Cipher[3] : AES256-SHA
%ASA-7-725011: Cipher[4] : DES-CBC3-SHA
%ASA-7-725008: SSL client outside:10.147.24.60/52838 proposes the following 8
cipher(s).
%ASA-7-725011: Cipher[1] : AES128-SHA
%ASA-7-725011: Cipher[2] : AES256-SHA
%ASA-7-725011: Cipher[3] : RC4-SHA
%ASA-7-725011: Cipher[4] : DES-CBC3-SHA
%ASA-7-725011: Cipher[5] : DHE-DSS-AES128-SHA
%ASA-7-725011: Cipher[6] : DHE-DSS-AES256-SHA
%ASA-7-725011: Cipher[7] : EDH-DSS-DES-CBC3-SHA
%ASA-7-725011: Cipher[8] : RC4-MD5
%ASA-7-725012: Device chooses cipher : RC4-SHA for the SSL session with client
outside:10.147.24.60/52838
%ASA-6-302014:

Teardown TCP connection 2489 for outside:10.147.24.60/52838 to
identity:10.48.67.153/443 duration 0:00:00 bytes 1448 TCP Reset-I
```

ةلص تاذا مءولعم

- [ةفعاضملاءقءاصملاءنيوكت: نيمءءءسملاءوةومءملاءهءنو قفنلاءاعومءم نيوكت](#)
- [نامألاءاهءمءءءسمضيو فءءلءچراخ مءاخ نيوكت](#)
- [Cisco نمءالءزنءلاءوئفنلاءمعءلاء](#)

ةمچرتل هذه ل و ح

ةيلآل ا تاي ن ق ت ل ا ن م ة و م ج م ا د خ ت س ا ب د ن ت س م ل ا ا ذ ه Cisco ت م چ ر ت م ل ا ع ل ا ا ح ن ا ع م ج ي ف ن ي م د خ ت س م ل ل م ع د ي و ت ح م م ي د ق ت ل ة ي ر ش ب ل ا و ا م ك ة ق ي ق د ن و ك ت ن ل ة ي ل آ ة م چ ر ت ل ض ف ا ن ا ة ط ح ا ل م ي ج ر ي . ة ص ا خ ل ا م ه ت غ ل ب Cisco ي ل خ ت . ف ر ت ح م م چ ر ت م ا ه م د ق ي ي ت ل ا ة ي ف ا ر ت ح ا ل ا ة م چ ر ت ل ا ع م ل ا ح ل ا و ه ي ل ا ا م ا د ع و ج ر ل ا ب ي ص و ت و ت ا م چ ر ت ل ا ه ذ ه ة ق د ن ع ا ه ت ي ل و ئ س م Systems (ر ف و ت م ط ب ا ر ل ا) ي ل ص ا ل ا ي ز ي ل ج ن ا ل ا د ن ت س م ل ا