

ASA يكدلأ صيخرتلأ ءاطخأ فاشكتسأ FXOS FirePOWER ةزهجأ ىلع اهالصالو

تايوتحملأ

[ةمدقملا](#)

[ةيساسأ تامولعم](#)

[يكدلأ صيخرتلأ ةينب](#)

[قلماشلا ةيرامعملأ ةسدنهلأ](#)

[ةيمست](#)

[يكدلأ ليكولأ تالاح](#)

[ASA تاقاقحتسأ](#)

[نيوكتلا](#)

[\(ةيلاعلا ءحاتالا\) لاطعألا زواجت](#)

[FP2100 ىلع ASA HA صيخرت: ةلأح ةسارد](#)

[ASA ةعومجم](#)

[ححصتلأ او ققحتلا](#)

[ققحتلا رماوأ تاجرمل جذومن \(MIO\) لكه](#)

[ققحتلا رماوأل ASA تاجرمل ةنيع](#)

[حجان ليجست](#)

[ةيخالصلأ يهتنم ليوخت](#)

[لكه ل رماوأل رطس ةهجاو نم تاجرمل جذومن](#)

[لجسم ريغ](#)

[مدقتلا ديقل ليجستلا](#)

[ليجستلا يف أطخ](#)

[مبيققتلا ةرتف](#)

[FXOS \(MIO\) لكه ىلع ةعئاشلا صيخرتلأ تالكشم](#)

[حلأص ريغ زيمم زمر: ليجستلا يف أطخ](#)

[اهب ىصوملا تاوطخلا](#)

[لعفلأب لجسم جتنملا: ليجستلا يف أطخ](#)

[اهب ىصوملا تاوطخلا](#)

[دحلأ جراخ خيراتلا ءحازا: ليجستلا يف أطخ](#)

[اهب ىصوملا ةوطخلا](#)

[فيضملا لحي لشف: ليجستلا يف أطخ](#)

[اهب ىصوملا تاوطخلا](#)

[مداخلا ءقداصم يف لشف: ليجستلا يف أطخ](#)

[اهب ىصوملا تاوطخلا](#)

[\(CLI\) رماوأل رطس ةهجاو نم ققحتلا](#)

[HTTP لقن لشف: ليجستلا يف أطخ](#)

[اهب ىصوملا تاوطخلا](#)

[فيضملا لبال لاصلتالا رذعت: ليجستلا يف أطخ](#)

[اهب ىصوملا تاوطخلا](#)

[>= 400 أطخلا زمر ءجرا ب HTTP مداخ موقى: ليجستلا](#)

[اهب ىصومل ت اوطلخا](#)

[يفلخا فرطال اباجتسا الاس رل لحت لش ف: لىجست ل ا ف اطلخ](#)

[اهب ىصومل ت اوطلخا](#)

[ل ا ص ت ال ا ا ل ا س ر ل ا س ر ا ف ا ط خ : ل ا ج س ت ل ا ل ك ا ش م 1xxx/21xx ا ل س ل س - ASA](#)

[ل ا ص ت ال ا ا ل ا س ر ل ا س ر ا ف ا ط خ : ل ا ج س ت ل ا ل ا ف ا ط خ](#)

[اهب ىصومل ت اوطلخا](#)

[ا ف ا ض ال ا ت ا ق ا ق ح ت س ال ل ا ص ا خ ل ا ت ا ج ا ي ت ح ال ا](#)

[ل ا ف ا ش ت ل ا ا ا ل ا ع ا ا ل ا م ع ا ن ت ا ا ق ا ق ح ت س ال ا ا ل ا ج](#)

[Cisco ن م TAC م ع د م د خ ت س ا](#)

[FP41xx/FP9300 ز ا ر ط ل ا](#)

[FP1xxx/FP21xx](#)

[\(FAQs\) ا ر ر ك ت م ل ا ا ل ا س ا ل ا](#)

[ا ل ص ت ا ذ ت ا م و ل ع م](#)

ا م د ق م ل ا

ل ا ف ا ش ت ل ا م ا ط ن ل ا ع (ASA) ا ل د ع م ل ا ن ا م ا ل ا ا ز ه ج ا ل ا ك ذ ل ا ص ا ي خ ر ت ل ا ا ز ي م د ن ت س م ل ا ا ذ ه ف ص ا ي ف ا ر P o w e r (FXOS) ف ا ش ت ل ل ل ا ل ا ل ا

ا س ا س ا ت ا م و ل ع م

ا ب س ن ل ا ب . ل ا ك ا ي ه ل ا ل ا ع ت ب ث م ASA ك ا ن ه ن و ك ا ي ا م د ن ع FXOS ل ا ع ا ك ذ ل ا ص ا ي خ ر ت ل ا م د خ ت س ا ي ف a P o w e r (FMC) ف ا ر ا د ا ز ك ر م و (FTD م س ا ب ا ر ا ص ت خ ا ف و ر ع م ل ا) F i r e P o w e r د ا ي د ه ت ن ع ا ف د ل ل ا [ا ا ط خ ا ل ا ف ا ش ك ت س ا و FTD ا ف ا ك ذ ل ا ص ا ي خ ر ت ل ا ل ا ج س ت و FMC](#) ا ك ذ ل ا ص ا ي خ ر ت ل ا ع ج ا ر [ا ا ح ا ل ص ا و](#)

FXOS ل ا ك ا ي ه ا ه ا ي ف ع ت م ت ا ي ت ل ا ت ا ه و ا ر ا ن ا ي س ل ا ا ي س ا ي ر ل ل ك ش ب د ن ت س م ل ا ا ذ ه ا ط غ ا ي ل ا ل و ص و ل ا ن م FXOS ل ا ك ا ي ه ن ك م ت ا ي م ل ا ذ ا . ت ن ر ت ن ا ل ا ل ا ر ش ا ب م ل ا ل و ص و ل ا ا ي ن ا ك م ا ب ق ق ح ت . (PLR) م ا د ص ا ي خ ر ت ز ج ا ي ف و ا ع ب ا ت م د ا خ ا ي ف ا م ا ر ا ي ك ف ت ل ا ل ا ا ج ا ب ت ن ا ف ، ت ن ر ت ن ا ل ا [ل ا ص ت ا ن و د ا ر ا د ا ل ا](#) ل و ح ل ا ي ص ا ف ت ل ا ن م د ا ي ز م ل ا ع ل و ص ح ل ل FXOS ن ا ي و ك ت ل ا ل د ن م

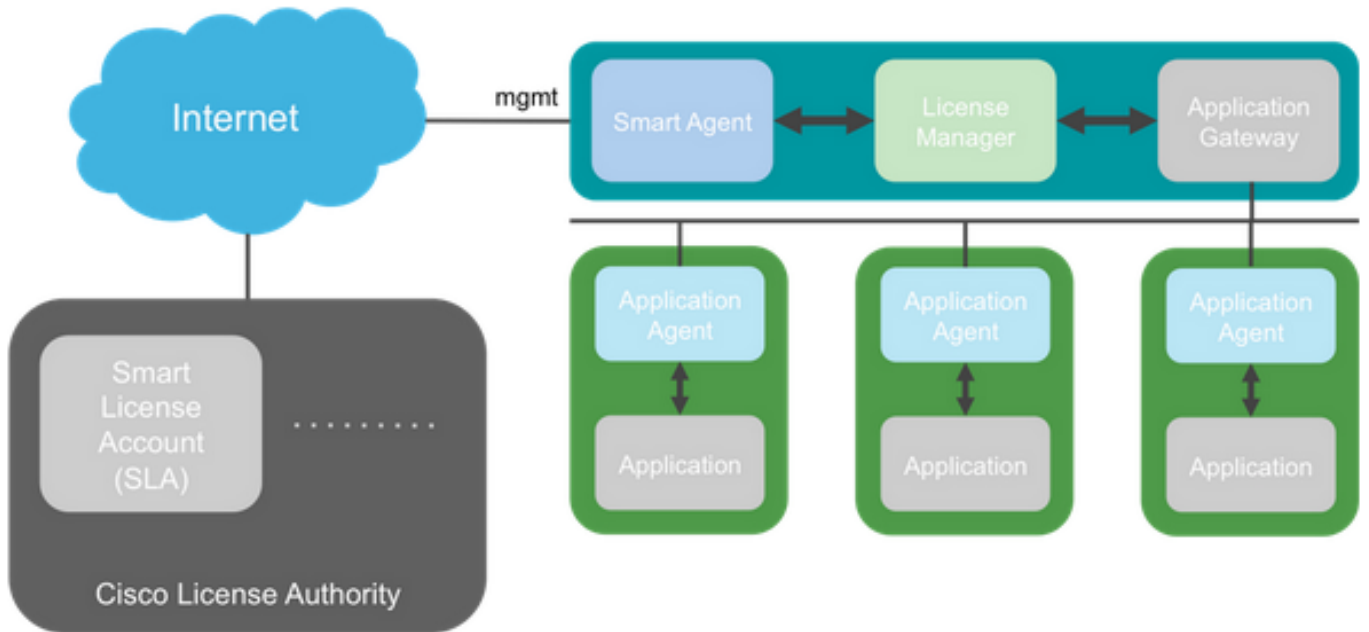
ا ك ذ ل ا ص ا ي خ ر ت ل ا ا ي ن ب

ل ا ك ا ي ه ل ا ت ا ن و ك م ل ا ع ل و ت س م ل ا ا ل ا ع ا ر ط ن :



- يف راودأب ةي درفلا ةي طمننلا تادحول او (MIO) ةيرادلإا جارخإل/لاخدإل تادحول نم لك موقت يكذلا صيخرتلا
 - اهليغشتل صيخارت يأسفن يرحبلا رطحل تايلمع بلطت ال
 - ةي طمن ةدحول لك ىلع SA (تاقببط) قيببطت صيخرت بجي
- ةيسيئر تانوكم ةثالث ىلع (MIO) ةرادإل تامولعم ةدعاق يوتحت. MIO وه FXOS فرشم:
- يكذليمع
 - صيخرتلا ري دم
 - AppAG

قلماشلا ةيرامعملا ةسدنهلا



ةيمست

ةدم

فصولا

Cisco صيخارت ةطلس

Smart صيخارتل باسح

زي م م الزمرا فرعم

قاقحتسا

جت ن م ل طيشنت حات فم (PAK)

عيمجب ظافتحالا. يكدل صيخارتل Cisco صيخرت ةيفلخ كلذ نمضتويو. جت ن م ل صيخرتب ةقلعت م ل تامولعمل زاوجل تامولعمو تاقاقحتسالا.

زاوجل تاقاحتسم عيمجب هب باسح.

ليجست دن ع يكدل صيخارتل باسح زي م ت ل فرعم مادختسا م تي زاوجل.

ةلماك تازيم ةقبط و ا ةيدرف ةزيم فداري. صيخارتل لداعي ام.

دحاو زاوجل طبترم. ةميدقلا صيخارتل ةيلا.

يكدل ليكولا تالاح

ةلحلا

نوكم ريغ

ددحم ريغ

لجسم

ضوفم

(OOC) قفاوتل مدع

ضيوفتلا ةيحالص تهتنا

فصولا

يكدل صيخارتل ني كمت م تي مل

دعب "يكدل لي م ل" لصتي مل نكلو يكدل صيخارتل ني كمت م ت ليجستل Cisco ب

لجسو Cisco صيخرت ةطلسب ليكولا لصتا

ضيوفت بلطل ةباجتسا قفاوت مدع ةلاح لي م ل ملتسي ام دن ع قاقحتسا.

ضيوفت بلطل ةباجتسا OC ةلاح لي م ل ملتسي ام دن ع قاقحتسالا.

اموي 90 ةدمل Cisco ب ليكولا لصتي مل اذا

ASA تاقاقحتسا

ةم و عد م ل ASA تاقاقحتسا يه هذو:

- ةيساي قلا ةقبطلا
- ددعتم قاي س
- يوقلا ريفشتلا (3DES)
- ل قننتلا/ةمدخلال رفوم (GTP)

نيوكتلا

تادنتسم ل هذو في ةدراولا تاميلعتلا عبتا:

- [\(ASA، ASA ل ع FirePOWER\) ةيكدل جماربلا صيخرت](#)
- [ASA ل صيخارتلا ةرادا](#)

تازيم ةقبط نيوكت ي ل بق:

```
asa(config-smart-lic)# show license all
Smart licensing enabled: Yes
```

```
Compliance status: In compliance
```

```
Overall licensed status: Invalid (0)
```

No entitlements in use

Serial Number: FCH12345ABC

License mode: Smart Licensing

Licensed features for this platform:

Maximum Physical Interfaces	: Unlimited
Maximum VLANs	: 1024
Inside Hosts	: Unlimited
Failover	: Active/Active
Encryption-DES	: Enabled
Encryption-3DES-AES	: Enabled
Security Contexts	: 10
Carrier	: Disabled
AnyConnect Premium Peers	: 20000
AnyConnect Essentials	: Disabled
Other VPN Peers	: 20000
Total VPN Peers	: 20000
AnyConnect for Mobile	: Enabled
AnyConnect for Cisco VPN Phone	: Enabled
Advanced Endpoint Assessment	: Enabled
Shared License	: Disabled
Total TLS Proxy Sessions	: 15000
Cluster	: Enabled

```
*****  
*                                     WARNING                                     *  
*                                     *                                       *  
*    THIS DEVICE IS NOT LICENSED WITH A VALID FEATURE TIER ENTITLEMENT    *  
*                                     *                                       *  
*****
```

ةق بطلال نيوكت:

```
asa(config)# license smart  
INFO: License(s) corresponding to an entitlement will be activated only after an entitlement  
request has been authorized.  
asa(config-smart-lic)# feature tier standard  
asa(config-smart-lic)# show license all
```

Smart licensing enabled: Yes

Compliance status: In compliance

Overall licensed status: Authorized (3)

Entitlement(s):

Feature tier:

Tag: regid.2015-10.com.cisco.FIREPOWER_4100_ASA_STANDARD,1.0_7d7f5ee2-1398-4b0e-aced-
b3f7fb1cacfc

Version: 1.0

Enforcement mode: Authorized

Handle: 1

Requested time: Tue, 04 Aug 2020 07:58:13 UTC

Requested count: 1

Request status: Complete

Serial Number: FCH12345ABC

License mode: Smart Licensing

Licensed features for this platform:

Maximum Physical Interfaces : Unlimited

Maximum VLANs : 1024

Inside Hosts : Unlimited

Failover : Active/Active

Encryption-DES : Enabled

Encryption-3DES-AES : Enabled

Security Contexts : 10

Carrier : Disabled

AnyConnect Premium Peers : 20000

AnyConnect Essentials : Disabled

Other VPN Peers : 20000

Total VPN Peers : 20000

AnyConnect for Mobile : Enabled

AnyConnect for Cisco VPN Phone : Enabled

Advanced Endpoint Assessment : Enabled

Shared License : Disabled

Total TLS Proxy Sessions : 15000

Clustertext

صیخرتلا ةطللس عم FirePOWER ةدحو لك ليجست بجي ASA، نيوكت ليلد في قثوم وه امك ASA: بصاخلا (CLI) رماوالا رطس ةهجاو نم ققحت. يعانص رمق م داخ وأ

```
asa# show failover | include host
```

```
    This host: Primary - Active
```

```
    Other host: Secondary - Standby Ready
```

```
asa# show license all
```

```
Smart licensing enabled: Yes
```

```
Compliance status: In compliance
```

```
Overall licensed status: Authorized (3)
```

```
Entitlement(s):
```

```
Feature tier:
```

```
    Tag: regid.2015-10.com.cisco.FIREPOWER_4100_ASA_STANDARD,1.0_7d7f5ee2-1398-4b0e-aced-  
b3f7fb1cacfc
```

```
    Version: 1.0
```

```
    Enforcement mode: Authorized
```

```
    Handle: 1
```

```
    Requested time: Tue, 04 Aug 2020 07:58:13 UTC
```

```
    Requested count: 1
```

```
    Request status: Complete
```

```
Serial Number: FCH12345ABC
```

```
License mode: Smart Licensing
```

```
Licensed features for this platform:
```

```
Maximum Physical Interfaces      : Unlimited
```

```
Maximum VLANs                   : 1024
```

Inside Hosts : Unlimited
Failover : Active/Active
Encryption-DES : Enabled
Encryption-3DES-AES : Enabled
Security Contexts : 10
Carrier : Disabled
AnyConnect Premium Peers : 20000
AnyConnect Essentials : Disabled
Other VPN Peers : 20000
Total VPN Peers : 20000
AnyConnect for Mobile : Enabled
AnyConnect for Cisco VPN Phone : Enabled
Advanced Endpoint Assessment : Enabled
Shared License : Disabled
Total TLS Proxy Sessions : 15000
Cluster : Enabled

Failover cluster licensed features for this platform:

Maximum Physical Interfaces : Unlimited
Maximum VLANs : 1024
Inside Hosts : Unlimited
Failover : Active/Active
Encryption-DES : Enabled
Encryption-3DES-AES : Enabled
Security Contexts : 20
Carrier : Disabled
AnyConnect Premium Peers : 20000
AnyConnect Essentials : Disabled
Other VPN Peers : 20000
Total VPN Peers : 20000
AnyConnect for Mobile : Enabled
AnyConnect for Cisco VPN Phone : Enabled
Advanced Endpoint Assessment : Enabled
Shared License : Disabled
Total TLS Proxy Sessions : 15000
Cluster : Enabled

ةي طاي ت ح ال ا ة د ح و ل ا :

```
asa# show failover | i host
      This host: Secondary - Standby Ready
      Other host: Primary - Active
```

```
asa# show license all
```

Smart licensing enabled: Yes

Compliance status: In compliance

Overall licensed status: Not applicable in standby state

No entitlements in use

Serial Number: FCH12455DEF

License mode: Smart Licensing

Licensed features for this platform:

Maximum Physical Interfaces : Unlimited
Maximum VLANs : 1024
Inside Hosts : Unlimited

```

Failover : Active/Active
Encryption-DES : Enabled
Encryption-3DES-AES : Disabled
Security Contexts : 10
Carrier : Disabled
AnyConnect Premium Peers : 20000
AnyConnect Essentials : Disabled
Other VPN Peers : 20000
Total VPN Peers : 20000
AnyConnect for Mobile : Enabled
AnyConnect for Cisco VPN Phone : Enabled
Advanced Endpoint Assessment : Enabled
Shared License : Disabled
Total TLS Proxy Sessions : 15000
Cluster : Enabled

```

Failover cluster licensed features for this platform:

```

Maximum Physical Interfaces : Unlimited
Maximum VLANs : 1024
Inside Hosts : Unlimited
Failover : Active/Active
Encryption-DES : Enabled
Encryption-3DES-AES : Enabled
Security Contexts : 20
Carrier : Disabled
AnyConnect Premium Peers : 20000
AnyConnect Essentials : Disabled
Other VPN Peers : 20000
Total VPN Peers : 20000
AnyConnect for Mobile : Enabled
AnyConnect for Cisco VPN Phone : Enabled
Advanced Endpoint Assessment : Enabled
Shared License : Disabled
Total TLS Proxy Sessions : 15000
Cluster : Enabled

```

ASA HA في ASA 2100: إعدادات

- تاهجاولالخالنم Cisco نم (ةباحسلا) يكذالاصيخرتلالةباب عم ASA لصتي، 2100 في
ASA، ةرادإسيو، FXOS
- Cisco نم (ةباحسلا) يكذالاصيخرتلالخدم إلسا ASA نم لك ليحست إلإحتحتس
ةجراخههجاوإلعةلحمال HTTP ةقداصم مادختسإمتي، ةالجالهذه في

```

ciscoasa(config)# show run http
http server enable
http 0.0.0.0 0.0.0.0 outside
ciscoasa(config)# show run aaa
aaa authentication http console LOCAL
ciscoasa(config)# show run username
username cisco password ***** pbkdf2

```

ةبسنلاب. نمم 3DES/AES صيخرت كانه ناك إذا إلسا ASDM ربع ASA بلاصتالانكم في ال management-only ههجاوإلعة طقف انكمم اذه نوكي، لعللاب هليحست متي مل يذال ASA إلسا بلاصتالالبقةرادإلاتالاصتال (3DES/AES) يوق ريفشت رفوتي: نيوتالليلدلاقف و ASDM لوصونأظحال ASDM ليغشت كنكمي تحت يعانصلارمقالمداخ وأصيخرتلالههجب كرحبحامسلا متي ال. يضاارتفالاريفشتلال عم طقف ةرادإلاتاهجاوالإلعة طقف رفوتم في. يوقالاريفشتلالصيخرتلاللوصحلواللاصتالاب موقت تحت عبرملاالخالنم رورملا

يلى لصحت، ةفلتخم ةلح:

```
ciscoasa(config)# debug ssl 255
debug ssl enabled at level 255.
error:1408A0C1:SSL routines:ssl3_get_client_hello:no shared cipher
```

يلى لابل و تنرتن لال هجاوت يلى لال ةهاولا يلى لال هجاوت مت طق-ف-رادا هيدا لال ASA يلى لال بلغلل
انك م ASDM لال صتا نوكل:

```
interface Ethernet1/2
management-only
nameif outside
security-level 100
ip address 192.168.123.111 255.255.255.0 standby 192.168.123.112
```



Cisco ASDM 7.10(1)



Cisco ASDM 7.10(1) provides an intuitive graphical user interface that makes it easy to set up, configure and manage your Cisco security appliances.

Cisco ASDM can run as a local application or as a Java Web Start application.

Run Cisco ASDM as a local application

When you run Cisco ASDM as a local application, it connects to your security appliance from your desktop using SSL. Running Cisco ASDM as an application has these advantages:

- You can invoke ASDM from a desktop shortcut. No browser is required.
- One desktop shortcut allows you to connect to *multiple* security appliances.

[Install ASDM Launcher](#)

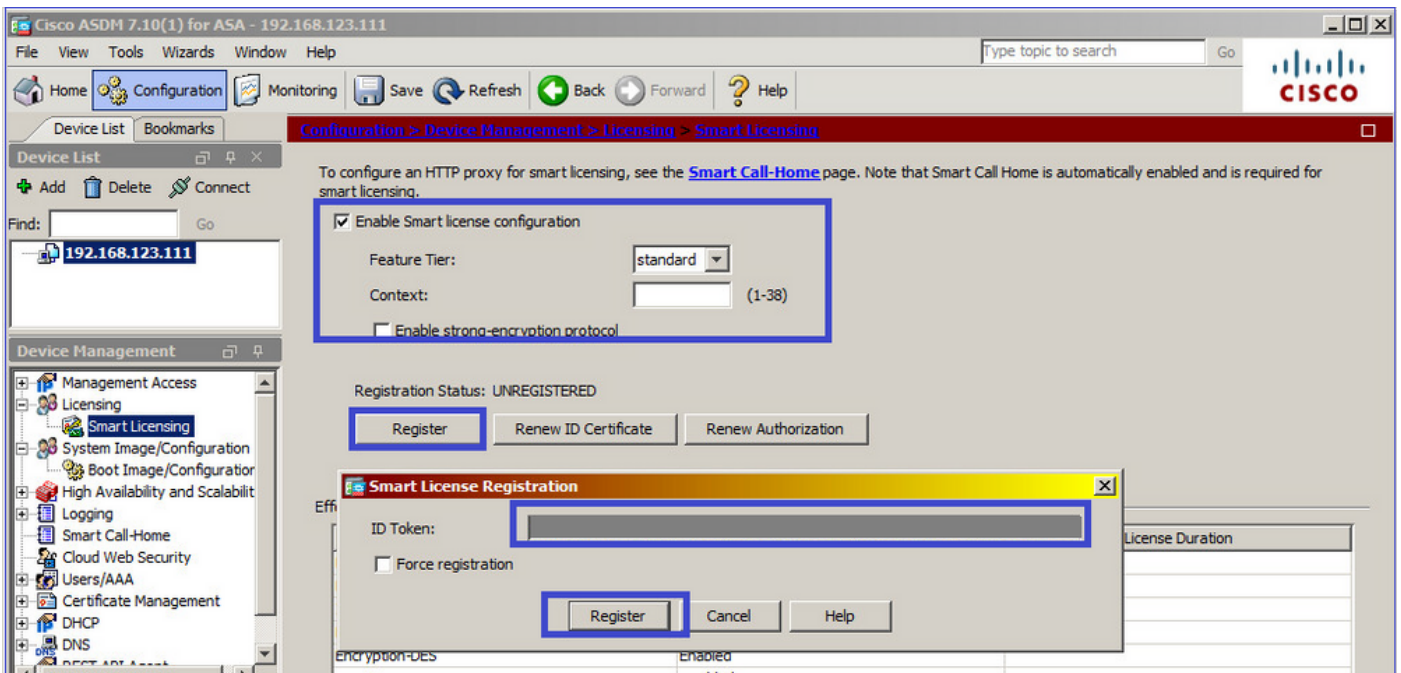
Run Cisco ASDM as a Java Web Start application

Java Web Start is required to run ASDM, but it is not installed on this computer.

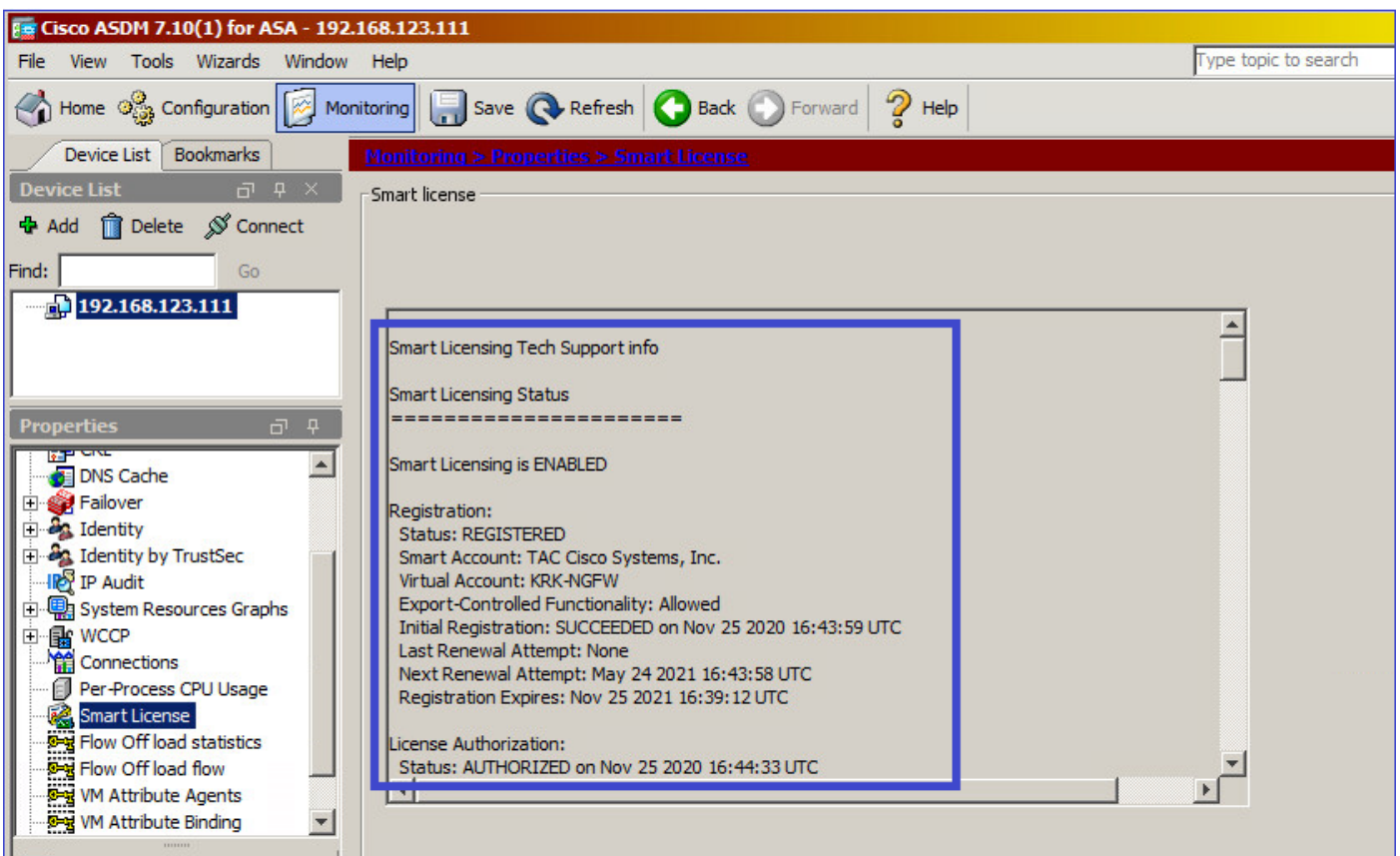
[Install Java Web Start](#)

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يلى لال صيخرت لال نيوك:



لجستلا ةلاح نم ققحتلل Smart License > Properties > Monitoring | لقتنا:



ASA: ةيساسألا (CLI) رماوأل رطس ةهجاو نم ققحتلا:

```
ciscoasa/pri/act# show license all
```

```
Smart Licensing Status
=====
```

```
Smart Licensing is ENABLED
```

Registration:

Status: REGISTERED
Smart Account: Cisco Systems, Inc.
Virtual Account: NGFW
Export-Controlled Functionality: Allowed
Initial Registration: SUCCEEDED on Nov 25 2020 16:43:59 UTC
Last Renewal Attempt: None
Next Renewal Attempt: May 24 2021 16:43:58 UTC
Registration Expires: Nov 25 2021 16:39:12 UTC

License Authorization:

Status: AUTHORIZED on Nov 25 2020 16:47:42 UTC
Last Communication Attempt: SUCCEEDED on Nov 25 2020 16:47:42 UTC
Next Communication Attempt: Dec 25 2020 16:47:41 UTC
Communication Deadline: Feb 23 2021 16:42:46 UTC

Utility:

Status: DISABLED

Data Privacy:

Sending Hostname: yes
Callhome hostname privacy: DISABLED
Smart Licensing hostname privacy: DISABLED
Version privacy: DISABLED

Transport:

Type: Callhome

License Usage

=====

Firepower 2100 ASA Standard (FIREPOWER_2100_ASA_STANDARD):

Description: Firepower 2100 ASA Standard
Count: 1
Version: 1.0
Status: AUTHORIZED

Product Information

=====

UDI: PID:FPR-2140,SN:JAD12345ABC

Agent Version

=====

Smart Agent for Licensing: 4.3.6_rel/38

ciscoasa/pri/act# **show run license**

license smart
feature tier standard

ciscoasa/pri/act# **show license features**

Serial Number: JAD12345ABC
Export Compliant: YES

License mode: Smart Licensing

Licensed features for this platform:

Maximum Physical Interfaces : Unlimited
Maximum VLANs : 1024
Inside Hosts : Unlimited
Failover : Active/Active
Encryption-DES : Enabled
Encryption-3DES-AES : Enabled

Security Contexts : 2
Carrier : Disabled
AnyConnect Premium Peers : 10000
AnyConnect Essentials : Disabled
Other VPN Peers : 10000
Total VPN Peers : 10000
AnyConnect for Mobile : Enabled
AnyConnect for Cisco VPN Phone : Enabled
Advanced Endpoint Assessment : Enabled
Shared License : Disabled
Total TLS Proxy Sessions : 10000
Cluster : Disabled

Failover cluster licensed features for this platform:

Maximum Physical Interfaces : Unlimited
Maximum VLANs : 1024
Inside Hosts : Unlimited
Failover : Active/Active
Encryption-DES : Enabled
Encryption-3DES-AES : Enabled
Security Contexts : 4
Carrier : Disabled
AnyConnect Premium Peers : 10000
AnyConnect Essentials : Disabled
Other VPN Peers : 10000
Total VPN Peers : 10000
AnyConnect for Mobile : Enabled
AnyConnect for Cisco VPN Phone : Enabled
Advanced Endpoint Assessment : Enabled
Shared License : Disabled
Total TLS Proxy Sessions : 10000
Cluster : Disabled

ASA نيوكت مت اذا ال انك مم كلذ نوكي ال) دادعتس ال ا عضو في ASA ب ASDM ربع لاصت ال ا
اذو UNREGISTERED هنا ل ع يطايت حال ال ا ASA ضربع متي .(دادعتس ال ا عضو في IP مادختس اب
ي: كذلا صيخرت ل لخدم في دع ب هليجست متي مل ه نأل ارطن عقوت م

mzafeiro_Win7-2 on ksec-sfucs-1

File View VM

Cisco ASDM 7.10(1) for ASA - 192.168.123.112

File View Tools Wizards Window Help

Home Configuration Monitoring Save Refresh Back Forward Help

Configuration > Device Management > Licensing > Smart Licensing

Device List

Find: 192.168.123.111 192.168.123.112

Device Management

- Management Access
- Licensing
- Smart Licensing
- System Image/Configuration
- High Availability and Scalability
- Logging
- Smart Call-Home
- Cloud Web Security
- Users/AAA
- Certificate Management
- DHCP
- DNS
- REST API Agent
- Advanced

Device Setup

Firewall

Remote Access VPN

Site-to-Site VPN

Device Management

To configure an HTTP proxy for smart licensing, see the [Smart Call-Home](#) page. Note that Smart Call Home is automatically enabled and is required for smart licensing.

Enable Smart license configuration

Feature Tier: standard

Context: (1-38)

Enable strong-encryption protocol

Registration Status: UNREGISTERED

Register Renew ID Certificate Renew Authorization

Effective Running Licenses

License Feature	License Value	License Duration
Maximum Physical Interfaces	Unlimited	
Maximum VLANs	1024	
Inside Hosts	Unlimited	
Falover	Active/Active	
Encryption-DES	Enabled	
Encryption-3DES-AES	Enabled	
Security Contexts	4	
Carrier	Disabled	
AnyConnect Premium Peers	10000	
AnyConnect Essentials	Disabled	
Other VPN Peers	10000	
Total VPN Peers	10000	
AnyConnect for Mobile	Enabled	
AnyConnect for Cisco VPN Phone	Enabled	
Advanced Endpoint Assessment	Enabled	

Cisco ASDM 7.10(1) for ASA - 192.168.123.112

File View Tools Wizards Window Help

Home Configuration Monitoring Save Refresh Back Forward Help

Monitoring > Properties > Smart License

Device List

Find: 192.168.123.111 192.168.123.112

Properties

- AAA Servers
- Device Access
- Connection Graphs
- CRL
- DNS Cache
- Falover
- Identity
- Identity by TrustSec
- IP Audit
- System Resources Graphs
- WCCP
- Connections
- Per-Process CPU Usage
- Smart License
- Interfaces

Smart license

Smart Licensing Tech Support info

Smart Licensing Status

Smart Licensing is ENABLED

Registration:

Status: UNREGISTERED

Export-Controlled Functionality: Not Allowed

License Authorization:

Status: No Licenses in Use

Utility:

Status: DISABLED

Data Privacy:

Sending Hostname: yes

Callhome hostname privacy: DISABLED

دادعتسالا عضو ي ف (رم اوآل رطس ةهچاو) ASA CLI حضوي

ciscoasa/sec/stby# show license all

Smart Licensing Status
=====

Smart Licensing is ENABLED

Registration:
Status: UNREGISTERED
Export-Controlled Functionality: Not Allowed

License Authorization:
Status: No Licenses in Use

Utility:
Status: DISABLED

Data Privacy:
Sending Hostname: yes
Callhome hostname privacy: DISABLED
Smart Licensing hostname privacy: DISABLED
Version privacy: DISABLED

Transport:
Type: Callhome

License Usage
=====

No licenses in use

Product Information
=====
UDI: PID:FPR-2140,SN:JAD123456A

Agent Version
=====
Smart Agent for Licensing: 4.3.6_rel/38
ciscoasa/sec/stby# **show run license**
license smart
feature tier standard

دادعت سالا عضو في ASA لي اع اه نيك م م ت ي ت ل ا ص ي خ ر ت ل ا ت ا ز ي م :

ciscoasa/sec/stby# **show license features**
Serial Number: JAD123456A
Export Compliant: NO

License mode: Smart Licensing

Licensed features for this platform:
Maximum Physical Interfaces : Unlimited
Maximum VLANs : 1024
Inside Hosts : Unlimited
Failover : Active/Active
Encryption-DES : Enabled
Encryption-3DES-AES : Disabled
Security Contexts : 2
Carrier : Disabled
AnyConnect Premium Peers : 10000
AnyConnect Essentials : Disabled
Other VPN Peers : 10000
Total VPN Peers : 10000

AnyConnect for Mobile : Enabled
AnyConnect for Cisco VPN Phone : Enabled
Advanced Endpoint Assessment : Enabled
Shared License : Disabled
Total TLS Proxy Sessions : 10000
Cluster : Disabled

Failover cluster licensed features for this platform:

Maximum Physical Interfaces : Unlimited

Maximum VLANs : 1024

Inside Hosts : Unlimited

Failover : Active/Active

Encryption-DES : Enabled

Encryption-3DES-AES : Enabled

Security Contexts : 4

Carrier : Disabled

AnyConnect Premium Peers : 10000

AnyConnect Essentials : Disabled

Other VPN Peers : 10000

Total VPN Peers : 10000

AnyConnect for Mobile : Enabled

AnyConnect for Cisco VPN Phone : Enabled

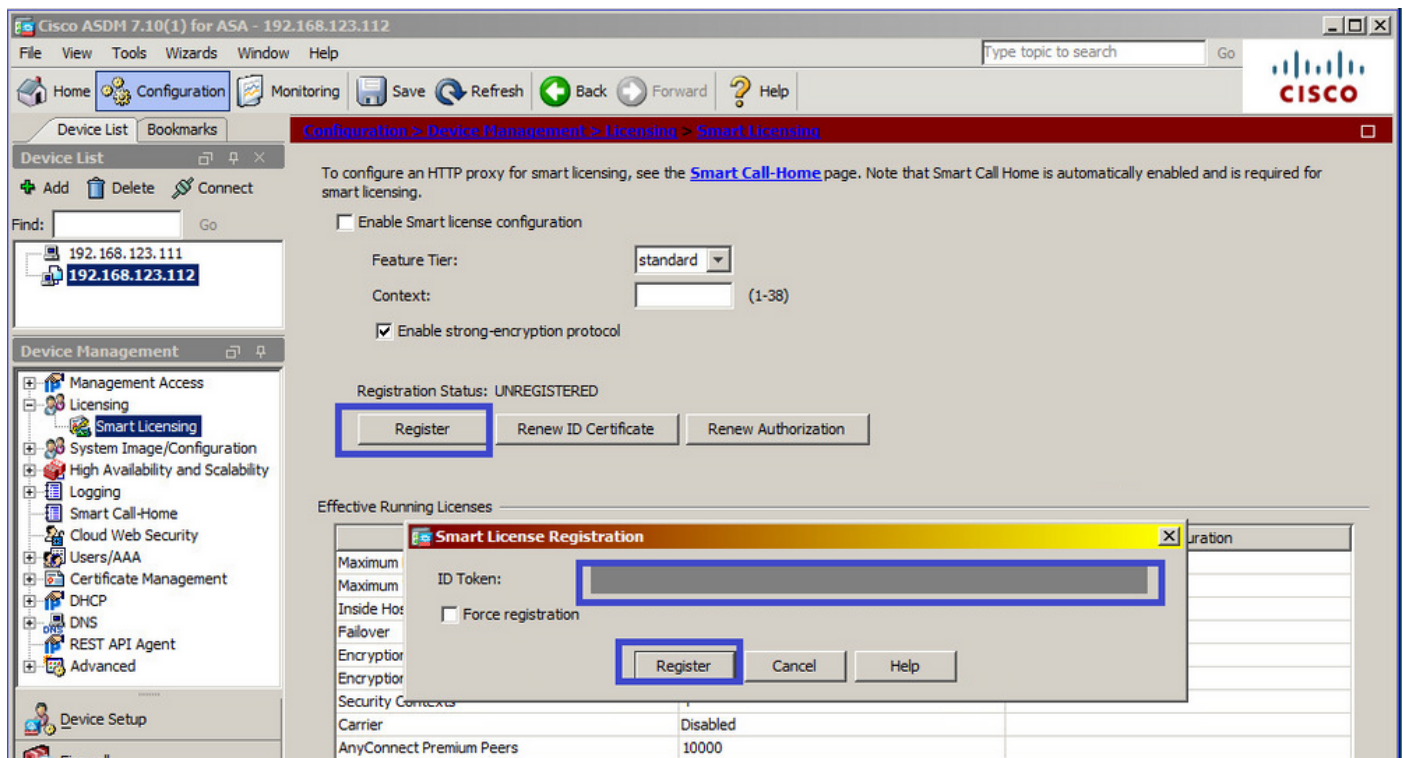
Advanced Endpoint Assessment : Enabled

Shared License : Disabled

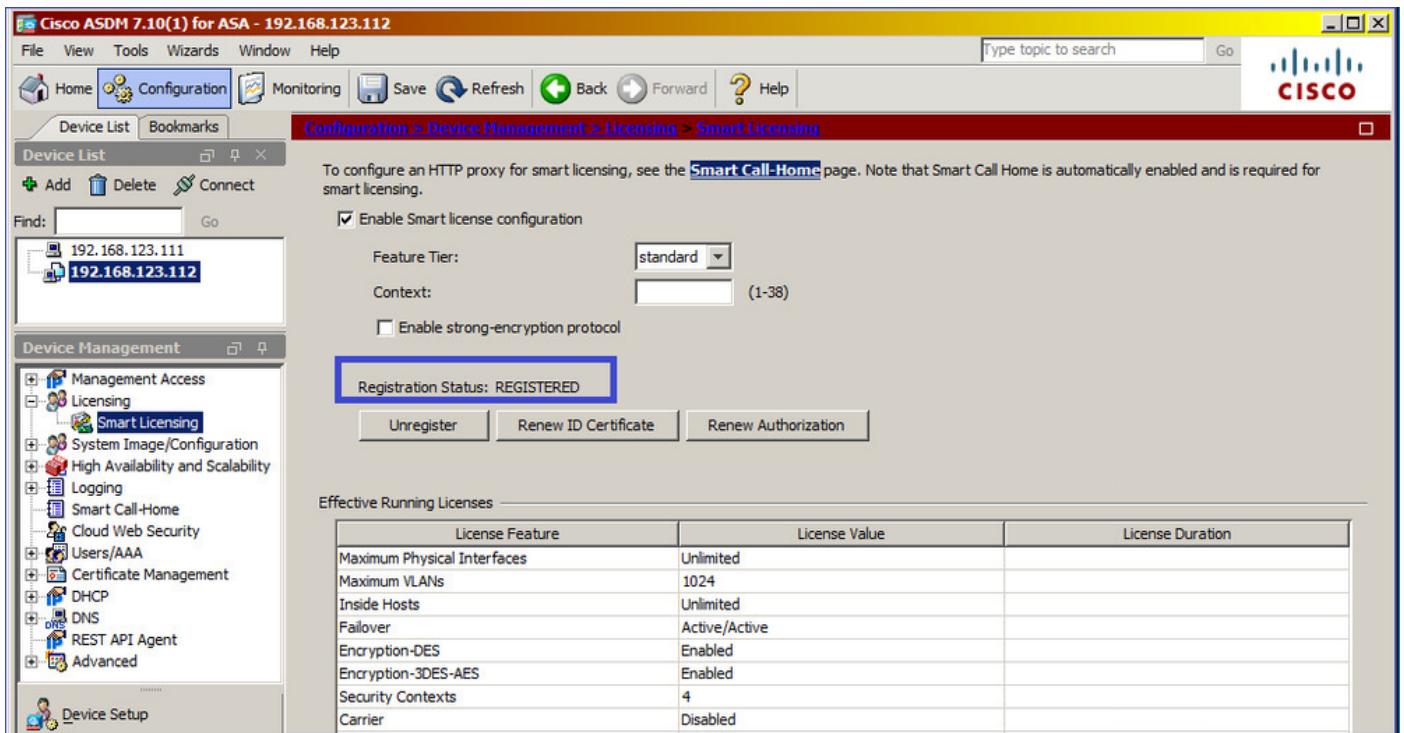
Total TLS Proxy Sessions : 10000

Cluster : Disabled

ي ط ا ي ت ح ا ل ا S A ل ي ح س ت :



REGISTERED: ه ن أ ي ه د ا د ع ت س ا ل ا ع ض و ي ف S A ل ي ل ع ة ح ي ت ن ل ا



داعستسالا عضو ي ف ASA ىلع (CLI) رم اوآل رطس ةهجاو نم ققحتلا:

```
ciscoasa/sec/stby# show license all
```

```
Smart Licensing Status
=====
```

```
Smart Licensing is ENABLED
```

```
Registration:
```

```
Status: REGISTERED
```

```
Smart Account: Cisco Systems, Inc.
```

```
Virtual Account: NGFW
```

```
Export-Controlled Functionality: Allowed
```

```
Initial Registration: SUCCEEDED on Nov 25 2020 17:06:51 UTC
```

```
Last Renewal Attempt: None
```

```
Next Renewal Attempt: May 24 2021 17:06:51 UTC
```

```
Registration Expires: Nov 25 2021 17:01:47 UTC
```

```
License Authorization:
```

```
Status: AUTHORIZED on Nov 25 2020 17:07:28 UTC
```

```
Last Communication Attempt: SUCCEEDED on Nov 25 2020 17:07:28 UTC
```

```
Next Communication Attempt: Dec 25 2020 17:07:28 UTC
```

```
Communication Deadline: Feb 23 2021 17:02:15 UTC
```

```
Utility:
```

```
Status: DISABLED
```

```
Data Privacy:
```

```
Sending Hostname: yes
```

```
Callhome hostname privacy: DISABLED
```

```
Smart Licensing hostname privacy: DISABLED
```

```
Version privacy: DISABLED
```

```
Transport:
```

```
Type: Callhome
```


License Usage
=====

No licenses in use

Product Information
=====

UDI: PID:FPR-2140,SN:JAD123456AX

Agent Version
=====

Smart Agent for Licensing: 4.3.6_rel/38

ciscoasa/sec/stby# **show license feature**

Serial Number: JAD123456A

Export Compliant: YES

License mode: Smart Licensing

Licensed features for this platform:

Maximum Physical Interfaces : Unlimited

Maximum VLANs : 1024

Inside Hosts : Unlimited

Failover : Active/Active

Encryption-DES : Enabled

Encryption-3DES-AES : Enabled

Security Contexts : 2

Carrier : Disabled

AnyConnect Premium Peers : 10000

AnyConnect Essentials : Disabled

Other VPN Peers : 10000

Total VPN Peers : 10000

AnyConnect for Mobile : Enabled

AnyConnect for Cisco VPN Phone : Enabled

Advanced Endpoint Assessment : Enabled

Shared License : Disabled

Total TLS Proxy Sessions : 10000

Cluster : Disabled

Failover cluster licensed features for this platform:

Maximum Physical Interfaces : Unlimited

Maximum VLANs : 1024

Inside Hosts : Unlimited

Failover : Active/Active

Encryption-DES : Enabled

Encryption-3DES-AES : Enabled

Security Contexts : 4

Carrier : Disabled

AnyConnect Premium Peers : 10000

AnyConnect Essentials : Disabled

Other VPN Peers : 10000

Total VPN Peers : 10000

AnyConnect for Mobile : Enabled

AnyConnect for Cisco VPN Phone : Enabled

Advanced Endpoint Assessment : Enabled

Shared License : Disabled

Total TLS Proxy Sessions : 10000

Cluster : Disabled

ةةومجم لاماظن نيوكت متي نلف ،صيخرت لال عم ةقفاوتم ريغ ةزهجالا تناك اذا:

```
Cluster unit unit-1-1 transitioned from DISABLED to CONTROL
New cluster member unit-2-1 rejected due to encryption license mismatch
```

حجان ةةومجم ماظن دادع:

```
asa(config)# cluster group GROUP1
asa(cfg-cluster)# enable
Removed all entitlements except per-unit entitlement configuration before joining cluster as data unit.
```

```
Detected Cluster Control Node.
Beginning configuration replication from Control Node.
.
Cryptochecksum (changed): ede485ad d7fb9644 2847deaf ba16830b
End configuration replication from Control Node.
```

ةةومجم لاماظن ي ف مكحت لال ةدق:

```
asa# show cluster info | i state
This is "unit-1-1" in state CONTROL_NODE
Unit "unit-2-1" in state DATA_NODE
```

```
asa# show license all
```

```
Smart licensing enabled: Yes
```

```
Compliance status: In compliance
```

```
Overall licensed status: Authorized (3)
```

```
Entitlement(s):
```

```
Feature tier:
```

```
Tag: regid.2015-10.com.cisco.FIREPOWER_4100_ASA_STANDARD,1.0_7d7f5ee2-1398-4b0e-aced-b3f7fblcacfc
```

```
Version: 1.0
```

```
Enforcement mode: Authorized
```

```
Handle: 2
```

```
Requested time: Mon, 10 Aug 2020 08:12:38 UTC
```

```
Requested count: 1
```

```
Request status: Complete
```

```
Serial Number: FCH12345ABC
```

```
License mode: Smart Licensing
```

```
Licensed features for this platform:
```

```
Maximum Physical Interfaces : Unlimited
```

```
Maximum VLANs : 1024
```

```
Inside Hosts : Unlimited
```

```
Failover : Active/Active
```

```
Encryption-DES : Enabled
```

```
Encryption-3DES-AES : Enabled
```

```
Security Contexts          : 10
Carrier                    : Disabled
AnyConnect Premium Peers  : 20000
AnyConnect Essentials     : Disabled
Other VPN Peers           : 20000
Total VPN Peers           : 20000
AnyConnect for Mobile     : Enabled
AnyConnect for Cisco VPN Phone : Enabled
Advanced Endpoint Assessment : Enabled
Shared License             : Disabled
Total TLS Proxy Sessions  : 15000
Cluster                    : Enabled
```

Failover cluster licensed features for this platform:

```
Maximum Physical Interfaces : Unlimited
Maximum VLANs               : 1024
Inside Hosts                : Unlimited
Failover                    : Active/Active
Encryption-DES              : Enabled
Encryption-3DES-AES        : Enabled
Security Contexts          : 20
Carrier                      : Disabled
AnyConnect Premium Peers   : 20000
AnyConnect Essentials      : Disabled
Other VPN Peers            : 20000
Total VPN Peers            : 20000
AnyConnect for Mobile      : Enabled
AnyConnect for Cisco VPN Phone : Enabled
Advanced Endpoint Assessment : Enabled
Shared License              : Disabled
Total TLS Proxy Sessions   : 15000
Cluster                     : Enabled
```

ةءومءمءلماظن تانايب ءءءو:

```
asa# show cluster info | i state
```

```
This is "unit-2-1" in state DATA_NODE
```

```
Unit "unit-1-1" in state CONTROL_NODE
```

```
asa# show license all
```

```
Smart licensing enabled: Yes
```

```
Compliance status: In compliance
```

```
Overall licensed status: Authorized (3)
```

```
Entitlement(s):
```

```
Strong encryption:
```

```
Tag: regid.2015-10.com.cisco.FIREPOWER_4100_ASA_ENCRYPTION,1.0_052986db-c5ad-40da-97b1-ee0438d3b2c9
```

```
Version: 1.0
```

```
Enforcement mode: Authorized
```

```
Handle: 3
```

```
Requested time: Mon, 10 Aug 2020 07:29:45 UTC
```

```
Requested count: 1
```

```
Request status: Complete
```

```
Serial Number: FCH12345A6B
```

License mode: Smart Licensing

Licensed features for this platform:

Maximum Physical Interfaces	: Unlimited
Maximum VLANs	: 1024
Inside Hosts	: Unlimited
Failover	: Active/Active
Encryption-DES	: Enabled
Encryption-3DES-AES	: Enabled
Security Contexts	: 10
Carrier	: Disabled
AnyConnect Premium Peers	: 20000
AnyConnect Essentials	: Disabled
Other VPN Peers	: 20000
Total VPN Peers	: 20000
AnyConnect for Mobile	: Enabled
AnyConnect for Cisco VPN Phone	: Enabled
Advanced Endpoint Assessment	: Enabled
Shared License	: Disabled
Total TLS Proxy Sessions	: 15000
Cluster	: Enabled

Failover cluster licensed features for this platform:

Maximum Physical Interfaces	: Unlimited
Maximum VLANs	: 1024
Inside Hosts	: Unlimited
Failover	: Active/Active
Encryption-DES	: Enabled
Encryption-3DES-AES	: Enabled
Security Contexts	: 20
Carrier	: Disabled
AnyConnect Premium Peers	: 20000
AnyConnect Essentials	: Disabled
Other VPN Peers	: 20000
Total VPN Peers	: 20000
AnyConnect for Mobile	: Enabled
AnyConnect for Cisco VPN Phone	: Enabled
Advanced Endpoint Assessment	: Enabled
Shared License	: Disabled
Total TLS Proxy Sessions	: 15000
Cluster	: Enabled

حیحصت ل او ققحت ل

ةحصت ل نم ققحت ل رم او صخلم (MIO) ل كهل:

```
FPR4125# show license all
FPR4125# show license techsupport
FPR4125# scope monitoring
FPR4125 /monitoring # scope callhome
FPR4125 /monitoring/callhome # show expand
FPR4125# scope system
FPR4125 /system # scope services
FPR4125 /system/services # show dns
FPR4125 /system/services # show ntp-server
FPR4125# scope security
FPR4125 /security # show trustpoint
FPR4125# show clock
```

```
FPR4125# show timezone
FPR4125# show license usage
```

ن: ققحتلا نم ققحتلا

```
FPR4125-1# scope system
FPR4125-1 /system # scope services
FPR4125-1 /system/services # show configuration
```

ASA: نم ققحتلا رماو صخلم

```
asa# show run license
asa# show license all
asa# show license entitlement
asa# show license features
asa# show tech-support license
asa# debug license 255
```

ققحتلا رماو تاجرخل جذومن (MIO) لكه

```
FPR4125-1# show license all
```

```
Smart Licensing Status
=====
```

```
Smart Licensing is ENABLED
```

```
Registration:
```

```
Status: REGISTERED
Smart Account: TAC Cisco Systems, Inc.
Virtual Account: EU TAC
Export-Controlled Functionality: ALLOWED
Initial Registration: SUCCEEDED on Dec 10 2018 23:30:02 UTC
Last Renewal Attempt: SUCCEEDED on Mar 12 2020 23:16:11 UTC
Next Renewal Attempt: Sep 08 2020 23:16:10 UTC
Registration Expires: Mar 12 2021 23:11:09 UTC
```

```
License Authorization:
```

```
Status: AUTHORIZED on Aug 04 2020 07:58:46 UTC
Last Communication Attempt: SUCCEEDED on Aug 04 2020 07:58:46 UTC
Next Communication Attempt: Sep 03 2020 07:58:45 UTC
Communication Deadline: Nov 02 2020 07:53:44 UTC
```

```
License Conversion:
```

```
Automatic Conversion Enabled: True
Status: Not started
```

```
Export Authorization Key:
```

```
Features Authorized:
<none>
```

```
Utility:
```

```
Status: DISABLED
```

Data Privacy:

Sending Hostname: yes
Callhome hostname privacy: DISABLED
Smart Licensing hostname privacy: DISABLED
Version privacy: DISABLED

Transport:

Type: Callhome

License Usage

=====

Firepower 4100 ASA Standard (FIREPOWER_4100_ASA_STANDARD):

Description: Firepower 4100 ASA Standard
Count: 1
Version: 1.0
Status: AUTHORIZED
Export status: NOT RESTRICTED

Product Information

=====

UDI: PID:FPR-4125-SUP,SN:JAD12345678

Agent Version

=====

Smart Agent for Licensing: 4.6.9_rel/104

Reservation Info

=====

License reservation: DISABLED

FPR4125-1# **scope monitoring**

FPR4125-1 /monitoring # **scope callhome**

FPR4125-1 /monitoring/callhome # **show expand**

Callhome:

Admin State: Off
Throttling State: On
Contact Information:
Customer Contact Email:
From Email:
Reply To Email:
Phone Contact e.g., +1-011-408-555-1212:
Street Address:
Contract Id:
Customer Id:
Site Id:
Switch Priority: Debugging
Enable/Disable HTTP/HTTPS Proxy: Off
HTTP/HTTPS Proxy Server Address:
HTTP/HTTPS Proxy Server Port: 80
SMTP Server Address:
SMTP Server Port: 25

Anonymous Reporting:

Admin State

Off

Callhome periodic system inventory:

Send periodically: Off
Interval days: 30

Hour of day to send: 0
Minute of hour: 0
Time last sent: Never
Next scheduled: Never

Destination Profile:
Name: full_txt
Level: Warning
Alert Groups: All,Cisco Tac,Diagnostic,Environmental
Max Size: 5000000
Format: Full Txt
Reporting: Smart Call Home Data

Name: short_txt
Level: Warning
Alert Groups: All,Cisco Tac,Diagnostic,Environmental
Max Size: 5000000
Format: Short Txt
Reporting: Smart Call Home Data

Name: SLProfile
Level: Normal
Alert Groups: Smart License
Max Size: 5000000
Format: Xml
Reporting: Smart License Data

Destination:
Name Transport Protocol Email or HTTP/HTTPS URL Address

SLDest **Https** <https://tools.cisco.com/its/service/oddce/services/DDCEService>

```
FPR4125-1# scope system
FPR4125-1 /system # scope services
FPR4125-1 /system/services # show dns
Domain Name Servers:
  IP Address: 172.16.200.100
FPR4125-1 /system/services # show ntp-server
```

```
NTP server hostname:
  Name                                     Time Sync Status
-----
  10.62.148.75                             Unreachable Or Invalid Ntp
Server
  172.18.108.14                             Time Synchronized
  172.18.108.15                             Candidate
```

```
FPR4125-1# scope security
FPR4125-1 /security # show trustpoint
Trustpoint Name: CHdefault
Trustpoint certificate chain: -----BEGIN CERTIFICATE-----
MIIFtzCCA5+gAwIBAgICBQkwDQYJKoZIhvcNAQEFBQAwRTElMAkGA1UEBhMCQk0x
...
8eOx79+Rj1QqCyXBJhnEUhAFZdWCEOrCMc0u
-----END CERTIFICATE-----
Cert Status: Valid
Trustpoint Name: CiscoLicRoot
Trustpoint certificate chain: -----BEGIN CERTIFICATE-----
MIIDITCCAagmAwIBAgIBATANBgkqhkiG9w0BAQsFADAYMQ4wDAYDVQQKEwVDaXNj
...
QYYWqUCT4ElNEKt1J+hvc5MuNbWlYv2uAnUVb3GbsvDWl99/KA==
-----END CERTIFICATE-----
Cert Status: Valid
```

```
Trustpoint Name: CSC02099SUDI
Trustpoint certificate chain: -----BEGIN CERTIFICATE-----
MIIDITCCAqmgAwIBAgIJAZozWHjOFsHBMA0GCSqGSIb3DQEBCwUAMC0xDjAMBgNV
...
PKkmBlNQ9hQcNM3CSzVvEAK0CCEo/NJ/xzZ6WX1/f8DfleXbFg==
-----END CERTIFICATE-----
```

Cert Status: Valid

```
Trustpoint Name: CSC0BA2099SUDI
Trustpoint certificate chain: -----BEGIN CERTIFICATE-----
MIIDQTCCAimgAwIBAgIJAAZa8V7p1OvhMA0GCSqGSIb3DQEBCwUAMD0xDjAMBgNV
...
b/JPEAZkbji0RQTWLyfr82LWFL00
-----END CERTIFICATE-----
```

Cert Status: Valid

```
FPR4125-1# show clock
Tue Aug 4 09:55:50 UTC 2020
FPR4125-1# show timezone
Timezone:
```

```
FPR4125-1# scope system
FPR4125-1 /system # scope services
FPR4125-1 /system/services # show configuration
```

```
scope services
  create ssh-server host-key rsa
  delete ssh-server host-key ecdsa
  disable ntp-authentication
  disable telnet-server
  enable https
  enable ssh-server
  enter dns 192.0.2.100
  enter ip-block 0.0.0.0 0 https
  exit
  enter ip-block 0.0.0.0 0 ssh
  exit
  enter ntp-server 10.62.148.75
    set ntp-sha1-key-id 0
  !   set ntp-sha1-key-string
  exit
  enter ntp-server 172.18.108.14
    set ntp-sha1-key-id 0
  !   set ntp-sha1-key-string
  exit
  enter ntp-server 172.18.108.15
    set ntp-sha1-key-id 0
  !   set ntp-sha1-key-string
  exit
  scope shell-session-limits
    set per-user 32
    set total 32
  exit
  scope telemetry
    disable
  exit
  scope web-session-limits
    set per-user 32
    set total 256
  exit
  set domain-name ""
  set https auth-type cred-auth
  set https cipher-suite "ALL:!DHE-PSK-AES256-CBC-SHA:!EDH-RSA-DES-CBC3-SHA:!
EDH-DSS-DES-CBC3-SHA:!DES-CBC3-
SHA:!ADH:!3DES:!EXPORT40:!EXPORT56:!LOW:!MEDIUM:!NULL:!RC4:!MD5:!IDEA:+HIGH:+EXP"
```



```
set https cipher-suite-mode high-strength
set https crl-mode strict
set https keyring default
set https port 443
set ssh-server host-key ecdsa secp256r1
set ssh-server host-key rsa 2048
set ssh-server kex-algorithm diffie-hellman-group14-sha1
set ssh-server mac-algorithm hmac-sha1 hmac-sha2-256 hmac-sha2-512
set ssh-server encrypt-algorithm aes128-cbc aes128-ctr aes192-cbc aes192-ctr aes256-cbc
aes256-ctr chacha20-poly1305_openssh_com
set ssh-server rekey-limit volume none time none
set ssh-client kex-algorithm diffie-hellman-group14-sha1
set ssh-client mac-algorithm hmac-sha1 hmac-sha2-256 hmac-sha2-512
set ssh-client encrypt-algorithm aes128-ctr aes192-ctr aes256-ctr
set ssh-client rekey-limit volume none time none
set ssh-client stricthostkeycheck disable
set timezone ""
exit
```

```
FPR4125-1# show license usage
```

```
License Authorization:
```

```
Status: AUTHORIZED on Aug 04 2020 07:58:46 UTC
```

```
Firepower 4100 ASA Standard (FIREPOWER_4100_ASA_STANDARD):
```

```
Description: Firepower 4100 ASA Standard
```

```
Count: 1
```

```
Version: 1.0
```

```
Status: AUTHORIZED
```

```
Export status: NOT RESTRICTED
```

ققحتللا رماوأل ASA تاجرم ةنيع

```
asa# show run license
```

```
license smart
```

```
feature tier standard
```

```
asa# show license all
```

```
Smart licensing enabled: Yes
```

```
Compliance status: In compliance
```

```
Overall licensed status: Authorized (3)
```

```
Entitlement(s):
```

```
Feature tier:
```

```
Tag: regid.2015-10.com.cisco.FIREPOWER_4100_ASA_STANDARD,1.0_7d7f5ee2-1398-4b0e-aced-b3f7fblcacfc
```

```
Version: 1.0
```

```
Enforcement mode: Authorized
```

```
Handle: 1
```

```
Requested time: Tue, 04 Aug 2020 07:58:13 UTC
```

```
Requested count: 1
```

```
Request status: Complete
```

```
Serial Number: FCH12345ABC
```

License mode: Smart Licensing

Licensed features for this platform:

Maximum Physical Interfaces	: Unlimited
Maximum VLANs	: 1024
Inside Hosts	: Unlimited
Failover	: Active/Active
Encryption-DES	: Enabled
Encryption-3DES-AES	: Enabled
Security Contexts	: 10
Carrier	: Disabled
AnyConnect Premium Peers	: 20000
AnyConnect Essentials	: Disabled
Other VPN Peers	: 20000
Total VPN Peers	: 20000
AnyConnect for Mobile	: Enabled
AnyConnect for Cisco VPN Phone	: Enabled
Advanced Endpoint Assessment	: Enabled
Shared License	: Disabled
Total TLS Proxy Sessions	: 15000
Cluster	: Enabled

asa# **show license entitlement**

Entitlement(s):

Feature tier:

Tag: regid.2015-10.com.cisco.FIREPOWER_4100_ASA_STANDARD,1.0_7d7f5ee2-1398-4b0e-aced-b3f7fblcacfc

Version: 1.0

Enforcement mode: Authorized

Handle: 1

Requested time: Tue, 04 Aug 2020 07:58:13 UTC

Requested count: 1

Request status: Complete

asa# **show license features**

Serial Number: FCH12345ABC

License mode: Smart Licensing

Licensed features for this platform:

Maximum Physical Interfaces	: Unlimited
Maximum VLANs	: 1024
Inside Hosts	: Unlimited
Failover	: Active/Active
Encryption-DES	: Enabled
Encryption-3DES-AES	: Enabled
Security Contexts	: 10
Carrier	: Disabled
AnyConnect Premium Peers	: 20000
AnyConnect Essentials	: Disabled
Other VPN Peers	: 20000
Total VPN Peers	: 20000
AnyConnect for Mobile	: Enabled
AnyConnect for Cisco VPN Phone	: Enabled
Advanced Endpoint Assessment	: Enabled
Shared License	: Disabled
Total TLS Proxy Sessions	: 15000
Cluster	: Enabled

asa# **show tech-support license**

Smart licensing enabled: Yes

Compliance status: In compliance

Overall licensed status: Authorized (3)

Entitlement(s):

Feature tier:

Tag: regid.2015-10.com.cisco.FIREPOWER_4100_ASA_STANDARD,1.0_7d7f5ee2-1398-4b0e-aced-b3f7fblcacfc

Version: 1.0

Enforcement mode: Authorized

Handle: 1

Requested time: Tue, 04 Aug 2020 07:58:13 UTC

Requested count: 1

Request status: Complete

حج ان لي جست

(UI) ل كيه ل ا ر ي دم م د خ ت س م ة ه ج ا و ن م ج ر خ م ل ا

Smart Licensing is ENABLED

Utility:

Status: DISABLED

Data Privacy:

Sending Hostname: yes

Callhome hostname privacy: DISABLED

Smart Licensing hostname privacy: DISABLED

Version privacy: DISABLED

Transport:

Type: Callhome

Registration:

Status: REGISTERED

Smart Account: TAC Cisco Systems, Inc.

Virtual Account: EU TAC

Export-Controlled Functionality: ALLOWED

Initial Registration: SUCCEEDED on Dec 10 2018 23:30:02 UTC

Last Renewal Attempt: SUCCEEDED on Mar 12 2020 23:16:11 UTC

Next Renewal Attempt: Sep 08 2020 23:16:10 UTC

Registration Expires: Mar 12 2021 23:11:09 UTC

License Authorization:

Status: AUTHORIZED on Jul 05 2020 17:49:15 UTC

Last Communication Attempt: SUCCEEDED on Jul 05 2020 17:49:15 UTC

Next Communication Attempt: Aug 04 2020 17:49:14 UTC

Communication Deadline: Oct 03 2020 17:44:13 UTC

License Conversion:

Automatic Conversion Enabled: True

Status: Not started

Export Authorization Key:

Features Authorized:

<none>

Cisco Success Network: DISABLED

ةيصال صلا يه تنم لي وخت

لك يهل ريدم مدخت سم ةه جاو نم جرخل:

Smart Licensing is ENABLED

Utility:

Status: DISABLED

Data Privacy:

Sending Hostname: yes

Callhome hostname privacy: DISABLED

Smart Licensing hostname privacy: DISABLED

Version privacy: DISABLED

Transport:

Type: Callhome

Registration:

Status: REGISTERED

Smart Account: Cisco SVS temp - request access through licensing@cisco.com

Virtual Account: Sample Account

Export-Controlled Functionality: ALLOWED

Initial Registration: SUCCEEDED on Nov 22 2019 08:17:30 UTC

Last Renewal Attempt: FAILED on Aug 04 2020 07:32:08 UTC

Failure reason: Agent received a failure status in a response message. Please check the Agent log file for the detailed message.

Next Renewal Attempt: Aug 04 2020 08:33:48 UTC

Registration Expires: Nov 21 2020 08:12:20 UTC

License Authorization:

Status: AUTH EXPIRED on Aug 04 2020 07:10:16 UTC

Last Communication Attempt: FAILED on Aug 04 2020 07:10:16 UTC

Failure reason: Data and signature do not match

Next Communication Attempt: Aug 04 2020 08:10:14 UTC

Communication Deadline: DEADLINE EXCEEDED

License Conversion:

Automatic Conversion Enabled: True

Status: Not started

Export Authorization Key:

Features Authorized:

<none>

Last Configuration Error

=====

Command : register idtoken

ZDA2MjF1ODktYjllMS00NjQwLTk0MmUtYmVkyWU2NzIyZjYwLTF1ODIxODY2%0AMzEwODV8K2RWVTNURGF1K0tDYUhoSjg3b

jFsdYtwbU1SUI81N20rQTVPN21T%0AdEtvYz0%3D%0A

Error : Smart Agent already registered

Cisco Success Network: DISABLED

لك يهل رم اوألا رطس ةه جاو نم تا جرخم لل ج ذومن

ل ج سم ريغ

```
firepower# show license all
```

```
Smart Licensing Status  
=====
```

```
Smart Licensing is ENABLED
```

```
Registration:
```

```
  Status: UNREGISTERED
```

```
License Authorization:
```

```
  Status: No Licenses in Use
```

```
License Usage
```

```
=====
```

```
No licenses in use
```

```
Product Information
```

```
=====
```

```
UDI: PID:F9K-C9300-SUP-K9,SN:JAD12345678
```

```
Agent Version
```

```
=====
```

```
Smart Agent for Licensing: 1.2.2_throttle/6
```

مدقتلا دي ق لي جس ت لا

```
firepower# scope license
```

```
firepower /license # register idtoken
```

```
firepower /license # show license all
```

```
Smart Licensing Status  
=====
```

```
Smart Licensing is ENABLED
```

```
Registration:
```

```
  Status: UNREGISTERED - REGISTRATION PENDING
```

```
  Initial Registration: First Attempt Pending
```

```
License Authorization:
```

```
  Status: No Licenses in Use
```

```
License Usage
```

```
=====
```

```
No licenses in use
```

```
Product Information
```

```
=====
```

UDI: PID:F9K-C9300-SUP-K9,SN:JAD12345678

Agent Version

=====

Smart Agent for Licensing: 1.2.2_throttle/6

ليجستلا في أطخ

firepower /license # **show license all**

Smart Licensing Status

=====

Smart Licensing is ENABLED

Registration:

Status: UNREGISTERED - REGISTRATION FAILED

Initial Registration: FAILED on Aug 04 04:46:47 2020 UTC

Failure reason: HTTP transport failed

License Authorization:

Status: No Licenses in Use

License Usage

=====

No licenses in use

Product Information

=====

UDI: PID:F9K-C9300-SUP-K9,SN:JAD12345678

Agent Version

=====

Smart Agent for Licensing: 1.2.2_throttle/6

مېيقتلا ةرتف

firepower# **show license all**

Smart Licensing Status

=====

Smart Licensing is ENABLED

Registration:

Status: REGISTERING - REGISTRATION IN PROGRESS

Initial Registration: FAILED on Aug 04 04:46:47 2020 UTC

Next Registration Attempt: Aug 04 05:06:16 2020 UTC

License Authorization:

Status: EVALUATION MODE

Evaluation Period Remaining: 89 days, 14 hours, 26 minutes, 20 seconds

License Usage

=====

(ASA-SSP-STD):
Description:
Count: 1
Version: 1.0
Status: EVALUATION MODE

Product Information

=====

UDI: PID:F9K-C9300-SUP-K9,SN:JAD12345678

Agent Version

=====

Smart Agent for Licensing: 1.2.2_throttle/6

FXOS (MIO) لكيه لى لى عى اش لى صى خرت لى تال كشم

حلاص رى غ زى م م زمر : لى ج س ت لى ف ا ط خ

```
FPR4125-1# show license all
```

Smart Licensing Status

=====

Smart Licensing is ENABLED

Registration:

Status: UNREGISTERED - REGISTRATION FAILED

Export-Controlled Functionality: NOT ALLOWED

Initial Registration: FAILED on Aug 07 2020 06:39:24 UTC

Failure reason: {"token":["The token 'ODNmNTExMTAtY2YzOS00Mzc1LWEzNWMtYmNiMmUyNzM4ZmFjLlTE1OTkxMTkz%0ANDk0NjR8NkJjdWZpQzRDbmtPR0xBWlVpUzZqMjlySn15QUczT2M0YVIvcmxm%0ATGczND0%3D%0B' is not valid."]}

اهب لى صوم لى ت اوط خ لى

1. CSSM لى لى رى شى لى ز ن م لى لى لى ص لى لى URL ن ا و ن ع ن ا ك ا ذ ا ا م ق ق ح ت .
2. و ا ك ا ن ه ن م ه و ا ش ن ا م ت د ق زى م م لى ز م ر لى ن ا ك ا ذ ا ا م ق ق ح ت و CSSM لى لى لى و خ د لى لى ج س ت ب م ق . زى م م لى ز م ر لى لى ح لى ص ت ه ت ن ا ا ذ ا .

ل ع ف ل لى لى ج س م ج ت ن م لى : لى ج س ت لى ف ا ط خ

```
FPR4125-1# show license all
```

Smart Licensing Status

=====

Smart Licensing is ENABLED

Registration:

Status: UNREGISTERED - REGISTRATION FAILED

Export-Controlled Functionality: Not Allowed

```
Initial Registration: FAILED on Aug 07 01:30:00 2020 UTC
Failure reason: {"sudi":["The product 'firepower.com.cisco.
FPR9300,1.0_ed6dadbe-c965-4aeb-ab58-62e34033b453' and sudi {"suvi\"=>nil,
\"uuid\"=>nil, \"host_identifier\"=>nil, \"udi_pid\"=>\"FPR9K-SUP\",
\"udi_serial_number\"=>\"JAD1234567S\", \"udi_vid\"=>nil, \"mac_address\"=>nil}
have already been registered."]}
```

اهب ىصومل تاوطلال

1. CSSM ىلى لى لوخلدلى لىجست.
2. ىره اظلال تاباسحل افة ىف بىوبتلا ةمالع Product Instances نم ققحت.
3. هتلازاب مقو SN ةطساوب مىدقلى لىجستلا لىثم عقوم دح.
4. مدع دنع ىقائىللى دىجتللى لىش ف: نىللىللى نىرمألى لىلرمألى اذى ىف بىبسىللى عجرى دق. مداخ نىوكت مئى مل، لىثملى لىبسىللى ع، لىحص لىكشب لىرالىللى/للىقولا دادع لىللى ع، لىجاتن لىمداخو ىعانص رملق نىب لىدبىللى دنع لىحص رىغ تالىلمللى بىبىرت. NTP لىللىجستلا اءللى رادصاب مق ملىللى URL ناوئى رىغىب مق، لىثملى لىبسىللى

دحلل جراخ لىرالىللى ةحازا: لىجستلا لىف اطلخ

```
FPR4125-1# show license all
```

```
Smart Licensing Status
=====
```

```
Smart Licensing is ENABLED
```

```
Registration:
```

```
Status: UNREGISTERED - REGISTRATION FAILED
Export-Controlled Functionality: Not Allowed
Initial Registration: FAILED on Aug 07 01:30:00 2020 UTC
Failure reason: {"timestamp":["The device date '1453329321505' is offset beyond the allowed
tolerance limit."]}
```

اهب ىصومل ةوطلال

NTP. مداخ نىوكت نامضل لىرالىللى/للىقولا نىوكت نم ققحت

فىضملىللى لىللى لىش ف: لىجستلا لىف اطلخ

```
FPR4125-1# show license all
```

```
Smart Licensing Status
=====
```

```
Smart Licensing is ENABLED
```

```
Registration:
```

```
Status: REGISTERING - REGISTRATION IN PROGRESS
Export-Controlled Functionality: NOT ALLOWED
Initial Registration: FAILED on Aug 07 2020 06:58:46 UTC
Failure reason: Failed to resolve host
Next Registration Attempt: Aug 07 2020 07:16:42 UTC
```


Registration Error: Failed to resolve host

اهب ىصومل تاوطخل

1. احيحص لاصتاللة هجب صاخل ل SLDest ل URL ناو نع ناك اذا امم ققحت. (scope monitoring > scope callhome > show expand)
2. CLI: نم، لاثم ل لىبس ىلع، احيحص MIO DNS مداخ نيوكت ناك اذا امم ققحت.

```
FPR4125-1# scope system
FPR4125-1 /system # scope services
FPR4125-1 /system/services # show dns
Domain Name Servers:
  IP Address: 172.31.200.100
```

3. و tools.cisco.com ل كيه ل ابة صاخل (CLI) رم اوألا رطس هجاو لال خ نم لاصتاللة رابتخ ل لواح. ررقىب اذا وفوش:

```
FPR4125-1# connect local-mgmt
FPR4125-1(local-mgmt)# ping tools.cisco.com
```

4. DNS: مداخ لك يه ل CLI نم لاصتاللة رابتخ ل لواح:

```
FPR4125-1# connect local-mgmt
FPR4125-1(local-mgmt)# ping 172.31.200.100
PING 172.31.200.100 (172.31.200.100) from 10.62.148.225 eth0: 56(84) bytes of data.
^C
--- 172.31.200.100 ping statistics ---
4 packets transmitted, 0 received, 100% packet loss, time 3001ms
```

5. ىلع طقف قبطنى اذهو (MIO) لك يه ل ابة راد ا هجاو ىلع طاقتلال نيكم تب مق. ىل ل لاصتاللة رابتخ ل رابتخ ل لىغش تب موقت تنأو DNS لاصتاللة نم ققحتو (FP41xx/FP93xx) tools.cisco.com:

```
FPR4125-1# connect fxos
FPR4125-1(fxos)# ethanalyzer local interface mgmt capture-filter "udp port 53" limit-captured-frames 0 limit-frame-size 10000
Capturing on 'eth0'
  1 2020-08-07 08:10:45.252955552 10.62.148.225 172.31.200.100 DNS 75 Standard query 0x26b4 A
tools.cisco.com
  2 2020-08-07 08:10:47.255015331 10.62.148.225 172.31.200.100 DNS 75 Standard query 0x26b4 A
tools.cisco.com
  3 2020-08-07 08:10:49.257160749 10.62.148.225 172.31.200.100 DNS 75 Standard query 0x5019 A
tools.cisco.com
  4 2020-08-07 08:10:51.259222753 10.62.148.225 172.31.200.100 DNS 75 Standard query 0x5019 A
tools.cisco.com
```

مداخللة قداصم ىف لشف: لىجستلال ىف اطح

```
FPR4125-1# show license all
```

```
Smart Licensing Status  
=====
```

```
Smart Licensing is ENABLED
```

```
Registration:
```

```
Status: UNREGISTERED - REGISTRATION FAILED  
Export-Controlled Functionality: Not Allowed  
Initial Registration: FAILED on Aug 07 2020 06:58:46 UTC  
Failure reason: Failed to authenticate server
```

اهب ى صوملا تاوطلال

1. لىبس ىلع ، MIO TrustPoint DEFAULT ب ةصاخلا ةحىحصلا ةداهشلا تناك اذا امم ققحتلا لال:

```
FPR4125-1# scope security  
FPR4125-1 /security # show trustpoint  
Trustpoint Name: CHdefault  
Trustpoint certificate chain: -----BEGIN CERTIFICATE-----  
MIIFtzCCA5+gAwIBAgICBQkwDQYJKoZIhvcNAQEFBQAwRTElMAkGA1UEBhMCQk0x  
...  
8eOx79+Rj1QqCyXBjhnEUhAFZdWCEOrCMc0u  
-----END CERTIFICATE-----  
Cert Status: Valid
```

2. نم ققحتلا جاتحي .حىحص لك شرب ةينمزلا ةقطنملا او NTP مداخ نييعت مت اذا امم ققحت .
تقو لوكوتورب مدختسا ، كلذ زاجنالو . لىم علاو مدخال ني ب تقولا س فن ىل ةداهشلا
FXOS: مدختسم ةهجاو نم ققحتلا ، لال ملىبس ىلع . تقولا ةنمازمل (NTP) ةكبشلا

Overview Interfaces Logical Devices Security Engine Platform Settings

Time Synchronization Current Time

Set Time Source

Set Time Manually

Date: 08/07/2020 (mm/dd/yyyy)

Time: 8:57 AM (hh:mm)

Get System Time

NTP Server Authentication: Enable

Use NTP Server

NTP Server	Server Status	Actions
172.18.108.15	Candidate	
172.18.108.14	Synchronized	
10.62.148.75	Unreachable/Invalid	

Use same settings on Firepower Management Center managing this application in case you are running a Firepower Threat Defense Device.

Save Cancel


```

4 2020-08-07 08:39:02.685182942 10.62.148.225 173.37.145.8 TLSv1 571 Client Hello
...
11 2020-08-07 08:39:02.854525349 10.62.148.225 173.37.145.8 TCP 54 59818 443 [ACK] Seq=518
Ack=3991 Win=37240 Len=0

```

• ديع ب FTP م داخ لى PCAP فلم ري دص تل :

```

FPR4125-1# connect local-mgmt
FPR4125-1(local-mgmt)# dir

```

```

1 56936 Aug 07 08:39:35 2020 SSL.pcap
1 29 May 06 17:48:02 2020 blade_debug_plugin
1 19 May 06 17:48:02 2020 bladelog
1 16 Dec 07 17:24:43 2018 cores
2 4096 Dec 07 17:28:46 2018 debug_plugin/
1 31 Dec 07 17:24:43 2018 diagnostics
2 4096 Dec 07 17:22:28 2018 lost+found/
1 25 Dec 07 17:24:31 2018 packet-capture
2 4096 Sep 24 07:05:40 2019 techsupport/

```

```

Usage for workspace://
3999125504 bytes total
284364800 bytes used
3509907456 bytes free

```

```

FPR4125-1(local-mgmt)# copy workspace:///SSL.pcap ftp://ftp_user@10.62.148.41/SSL.pcap
Password:
FPR4125-1(local-mgmt)#

```

No.	Time	Source	Destination	Protocol	Length	Server Name	Info
4	2020-08-07 10:39:02.68...	10.62.148.225	173.37.145.8	TLSv1..	571	tools.cisco.com	Client Hello
13	2020-08-07 10:39:03.02...	173.37.145.8	10.62.148.225	TLSv1..	78		Server Hello, Certificate, Server Hello Done
15	2020-08-07 10:39:03.02...	10.62.148.225	173.37.145.8	TLSv1..	372		Client Key Exchange, Change Cipher Spec, Encrypted Handshake Message
18	2020-08-07 10:39:03.19...	173.37.145.8	10.62.148.225	TLSv1..	99		Encrypted Handshake Message
43	2020-08-07 10:39:11.20...	10.62.148.225	173.37.145.8	TLSv1..	571	tools.cisco.com	Client Hello
52	2020-08-07 10:39:11.54...	173.37.145.8	10.62.148.225	TLSv1..	78		Server Hello, Certificate, Server Hello Done
54	2020-08-07 10:39:11.55...	10.62.148.225	173.37.145.8	TLSv1..	372		Client Key Exchange, Change Cipher Spec, Encrypted Handshake Message
57	2020-08-07 10:39:11.72...	173.37.145.8	10.62.148.225	TLSv1..	99		Encrypted Handshake Message
80	2020-08-07 10:39:14.51...	10.62.148.225	72.163.4.38	TLSv1..	571	tools.cisco.com	Client Hello
89	2020-08-07 10:39:14.83...	72.163.4.38	10.62.148.225	TLSv1..	78		Server Hello, Certificate, Server Hello Done
91	2020-08-07 10:39:14.84...	10.62.148.225	72.163.4.38	TLSv1..	372		Client Key Exchange, Change Cipher Spec, Encrypted Handshake Message
94	2020-08-07 10:39:15.00...	72.163.4.38	10.62.148.225	TLSv1..	99		Encrypted Handshake Message

HTTP لقن لشف : ليج ستلا ي ف اطخ

```

FPR4125-1# show license all

```

```

Smart Licensing Status
=====

```

```

Smart Licensing is ENABLED

```

```

Registration:

```

```

Status: UNREGISTERED - REGISTRATION FAILED

```

```

Export-Controlled Functionality: Not Allowed

```

```

Initial Registration: FAILED on Aug 07 2020 06:58:46 UTC

```

```

Failure reason: HTTP transport failed

```


يُرخأ ةرم ليجستلا لواح .دنتسملا اذه في "مداخل القداصم لشف" مسق في حضورم
(CLI) ل FXOS: رماوالا رطس ةهجاو نم ('force' option)

```
FPR4125-1 /license # register idtoken
ODNmNTExMTAtY2YzOS00Mzc1LWEzNWMTYmNiMmUyNzM4ZmFjLTE1OTkxMTkz%0ANDk0NjR8NkJJdWZpQzRDbmtPR0xBWlVpU
zZqMjlySn15QUczT2M0YVIVcmxcm%0ATGczND0%3D%0A force
```

في لخال فرطال ةباجتسا ةلاسر ليلحت لشف : ليجستلا في اطخ

```
FPR4125-1# show license all
```

```
Smart Licensing Status
=====
```

```
Smart Licensing is ENABLED
```

```
Registration:
```

```
Status: UNREGISTERED - REGISTRATION FAILED
Export-Controlled Functionality: Not Allowed
Initial Registration: FAILED on Aug 07 2020 06:58:46 UTC
Failure reason: Parsing backend response message failed
```

اهب يصوملا تاوطلال

1. اروف ةلواحمال ةداعال "ديجت" مدختسا . اقحال ةيئاق لتال ةلواحمال ةداعال تالواح م.

```
FPR4125-1# scope license
FPR4125-1 /license # scope licdebug
FPR4125-1 /license/licdebug # renew
```

2. اححص ةيسئي رلا لاصتالا ةهجب صخال URL ناوع ناك اذا ام ققحت .

1xxx/21xx ةلسلس - ASA يلع صخي رتلا لكاشم

لاصتالا ةلاسر لاسرا في اطخ : ليجستلا في اطخ

```
ciscoasa# show license all
```

```
Smart Licensing Status
=====
```

```
Smart Licensing is ENABLED
```

```
Registration:
```

```
Status: REGISTERING - REGISTRATION IN PROGRESS
Export-Controlled Functionality: NOT ALLOWED
Initial Registration: FAILED on Aug 07 2020 11:29:42 UTC
Failure reason: Communication message send error
```

اهب ى صوملا تاوطلال

1. DNS تادادع| نم ققحت

```
ciscoasa# show run dns
```

2. ةرادإلا ةهجاو مادختسا متي، ةلحال هذه في tools.cisco.com لاصتالا رابتخا لواح:

```
ciscoasa# ping management tools.cisco.com
```

```
^  
ERROR: % Invalid Hostname
```

3. هيجوتلا لودج نم ققحت:

```
ciscoasa# show route management-only
```

لالملا لىبس لىل ع، صىخرتلا نىكمت نم دكأت:

```
ciscoasa# show run license
```

```
license smart  
feature tier standard  
feature strong-encryption
```

4. لم اوع ياً نودب طاقتلالا ذخاب تمق اذا tools.cisco.com وحن هجتت يتلا ةهجاوطلا طاقتلا نىكمت. طاقتلالا هيجض بنجتلا طاقتلالا اب موقت ام دنع حوتفم ASDM دوجو مدع نم دكأت IP ةيفصت (پرورضلا ريغ).

```
ciscoasa# capture CAP interface management match tcp any any eq 443
```

ءادألا لىل ع راض ريثأت مزحلا طاقتلالا نوكل نأ نكمي: ريدحت

5. ةيلمع اناثأ ASA Syslog لىل اسرر صحتو اتقؤم Syslog نم (debug) 7 ىوتسملا نىكمتب مق لىل:
لجستلا:

```
ciscoasa(config)# logging buffer-size 1000000
```

```
ciscoasa(config)# logging buffered 7
```

```
ciscoasa(config)# logging enable
```

```
ciscoasa# show logging
```

```
%ASA-7-717025: Validating certificate chain containing 3 certificate(s).
```

```
%ASA-7-717029: Identified client certificate within certificate chain. serial number:
```

```
3000683B0F7504F7B244B3EA7FC00927E960D735, subject name: CN=tools.cisco.com,O=Cisco Systems\,
Inc.,L=San Jose,ST=CA,C=US.
%ASA-7-717030: Found a suitable trustpoint _SmartCallHome_ServerCA to validate certificate.
%ASA-6-717028: Certificate chain was successfully validated with warning, revocation status was
not checked.
%ASA-6-717022: Certificate was successfully validated. serial number:
3000683B0F7504F7B244B3EA7FC00927E960D735, subject name: CN=tools.cisco.com,O=Cisco Systems\,
Inc.,L=San Jose,ST=CA,C=US.
%ASA-6-725002: Device completed SSL handshake with server management:10.62.148.184/22258 to
173.37.145.8/443 for TLSv1.2 session
```

ىرخأ ةرم لىجستلا لواح:

```
ciscoasa # license smart register idtoken
```

ةيفاضلا تاقاقحتسالا ةصاخلا تاجايتحال

- ةفيظو قاقحتسايأ نيوكت لبق حل اص تازيم ةقبط قاقحتسايلىع لوصحلا مزلي ةيفاضا
- تازيملا ةقبط قاقحتساي رادصا لبق ةيفاضلا تاقاقحتسالا عيجم رادصا بجي

ليغشتلا ةداعا ةيلمع ءانثا قاقحتسالا ةلاح

- ةتقؤملا ةركاذلا يف قاقحتسالا تالاح ظفح متي
- متي و (ةتقؤملا ةركاذلا) Flash ةركاذ نم تامولعمل هذه ةعارق متت ،ديهمتلا تقو ءانثا ظوفحمل ذافنإل عضو لىل اذانتسا صيخارتنلا نييعت
- ةنخمل هذه قاقحتسالا تامولعمل لىل اذانتسا ليغشتلا ءدب نيوكت قيبطت متي اتقؤم
- ليغشت ةداعا لك دعب ىرخأ ةرم تاقاقحتسالا بلط متي

Cisco نم TAC معد مدختسا

زارطلا FP41xx/FP9300

ةهجاو نم تاجرخملا هذه عيجمت كيلىعف ،دنتسملا اذه يف ةروكذمل رصانعل عيجم تلشف اذا Cisco TAC ب لاصتالا او لك يهلاب ةصاخلا رماوالا رطس:

1: جتانلا

```
FPR4125-1# show license techsupport
```

2: جتانلا


```
FPR4125-1# scope monitoring
FPR4125-1 /monitoring # scope callhome
FPR4125-1 /monitoring/callhome # show detail expand
```

3: جتانال

FXOS ل كيه م عدد مزح

```
FPR4125-1# connect local-mgmt
FPR4125-1(local-mgmt)# show tech-support chassis 1 detail
```

4: جتانال (دش ب ه ب صوم):

ل كيه ل (CLI) رم او ال رطس ة ه جاو نم رزي لان انا ل ا طاقتا

FP1xxx/FP21xx

1: جتانال

```
ciscoasa# show tech-support license
```

2: جتانال

```
ciscoasa# connect fxos admin
firepower-2140# connect local-mgmt
firepower-2140(local-mgmt)# show tech-support fprm detail
```

FAQs) ة رركتم ال ة لئس ال

ة م و س ر ل ا م د خ ت س م ل ا ة ه جاو ي ف "ص ي خ ر ت ل ا" ب و ب ت ل ا ة م ال ع ع ق ت ن ي ا ف P21xx ز ا ر ط ل ا ي ف (GUI) ل ك ي ه ل ا ب ة ص ا خ ل ا (GUI)؟
ASA: ي ع ض و P21xx م ع د ي ، 9. 13.x ن م ا ر ا ب ت ع ا

- ز ا ه ج
- ي س ا س ال ا م ا ظ ن ل ا

ة ه جاو ك ا ن ه ، ي س ا س ال ا م ا ظ ن ل ا ع ض و ي ف . ل ك ي ه ل ل م د خ ت س م ة ه جاو د ج و ت ال ، ز ا ه ج ال ع ض و ي ف ا S A ب ة ص ا خ ل ا (CLI) ر م او ال ر ط س ة ه جاو ن م ص ي خ ر ت ل ا ن ي و ك ت م ت ن ك ل و ، ل ك ي ه ل ل م د خ ت س م ASDM.

ة ه جاو ر ب ع FCM ي ف ص ي خ ر ت ل ا ن ي و ك ت ب ج ي ، FPR4100/9300 ت ا ص ن م ي ل ع ، ي ر خ ا ة ي ح ا ن ن م و ا ق ح ت س م ب ل ط ب ج ي و FXOS ب ة ص ا خ ل ا (CLI) ر م او ال ر ط س ة ه جاو و ا (GUI) ة م و س ر ل ا م د خ ت س م ل ا ASDM و ا S A ب ة ص ا خ ل ا (CLI) ر م او ال ر ط س ة ه جاو ن م ASA ع ج ا ر م ل ا

- [ASA ل ص ي خ ا ر ت ل ا ة ر ا د ا](#)

- [Firepower 4100/9300 لة قطنملا ؤهجالا](#)
- [\(ASA، ASA on FirePOWER\) ؤكذلا ؤماربلا صيخرت: صيخرتلا](#)
- [ASA ؤم ASDM و FirePOWER Chassis Manager ؤساسألا ماظنلا ؤضو رشن](#)

فيوق ري فشت صيخرت ني كمت كنكمي فيك

رايخ FCM ليجست في مدختسملا زيمملا زمرلل ناك اذا ايئاقلت ؤفيظولا هذو ني كمت متي زيمملا زمرلا اذو ني كمت عم ؤلجسملا تاجت نملا يلع ري دصتلا في مكحتلا فئاظوب ؤامسلا

اهي في مكحتلا متي في تازيملا ليطعت مت اذا يوق ري فشت صيخرت ني كمت كنكمي فيك ؤوتسم يلع 3DES-AES-ري فشت نم كلذب لصتي اما FCM ؤوتسم يلع ري دصتلا قي رط نع ASA؟

هلجستب مقو FCM ليجست باغل اب مقف، زيمملا زمرلا يلع رايخل اذو ني كمت متي مل اذا هب رايخل اذو ني كمت مت زيمملا زمر مادختساب يرخا ؤرم

تاجت نملا ري دصتلا في مكحتلا فئاظوب ؤامسلا رايخ رفوت في مل اذا لعفت نا كنكمي اذا زيمملا زمرلا ؤاشن دنع زيمملا زمرلا اذو عم ؤلجسملا Cisco باسح قي رقب لصتا

ASA؟ ؤوتسم يلع يوقلا ري فشتلا ؤزيم نيوكتل يمازل و ه

pre-2.3.0 يعانص رفق مداخ عم FCM ؤمد مت اذا طقف ايمازل يوقلا ري فشتلا ؤزيم رايخ نوكي ؤزيملا هذو نيوكت بفي ام دنع طقف دحاو وي راني س اذو

(FCM) ؤرادال تامولعم ؤدعاق ؤرادا ني ب راسملا في اهب ؤامسلا بفي يتلا IP تالوكوتورب في ام في كذلا صيخرتلا ؤباحسو

صيخرتلا ؤباحسب لاصتال (443 ذفنملا) <https://tools.cisco.com/> ناو نعل FXOS مدختسي ؤيالاتلا IP نيوانع يل <https://tools.cisco.com/> ناو نعل لحت مت

- 72.163.4.38
- 173.37.145.8

قف فاوتلا مدع اطح يلع لصحت اذا مل

تالاحل هذو في قفاوتلا قاطن چراخ زاوجل اصبني نا كنكمي

- (رفوتم ريغ صيخرت زاوجل مدختسي) دئازلا مادختسالا
- تقولا يل دننسملا صيخرتلا ؤيخالص تهتنا - صيخرتلا ؤيخالص اءهتنا
- صيخرتلا ؤداعل صيخرتلا ؤطلس يل لوصول زاوجل يلع رذعتي - لاصتالا صقن

تاقاقتسالا ؤنراقم بفي، اهنم بارتقالا و قفاوت مدع ؤلاحي في كباسح ناك اذا امم ققحتلل في كذلا كباسح في ؤدووملا كلت عم FirePOWER لك في لبق نم ايلاح ؤمدختسملا

صيخرت بلطت يتلا تازيملا يلع نيوكتل تاريخي غت اراج كنكمي، قفاوتلا مدع ؤلاحي في ليغشت رمتسي، لاثملا لبيس يلع. يرخا ؤقيرط ؤيأ ؤي لمعلا رثأتت ال نكلو، ؤصاخ، اهب صاخلا نيوكتل ليدعت كنكمي و، لعفلاب ؤدووملا يسي قلا صيخرتلا دح تاقايس، دي دح قاي س ؤفاضا كنكمي ال نكلو

صيخرتلا ؤفاضا دعب قفاوتلا مدع في اطح نم يناعت لازت ال اذا مل

نم ققحتلل اموي 30 لك "صيخرتلا ؤطلس" عم زاوجل لصاصتي، يضا رتفا لكشبو ؤيالاتلا تاوطلخال عابتا كليل بفي، ايودي هليغشت في بغيرت تنك اذا. تاقاقتسالا

CLI ربع و ASDM ربع كلذب مايقلا بفي، FPR1000/2100 ؤساسألا ؤمظنألا ؤبسنلاب

(رم اوأال رطس ةهجاو):

```
ASA# license smart renew auth
```

ماظنل (CLI) رم اوأال رطس ةهجاو ربع كلذب مايقلا بجي، FPR4100/9300 تا صنم لب س ن ل اب
FXOS:

```
FP4100# scope system  
FP4100 /system # scope license  
FP4100 /license # scope licdebug  
FP4100 /license/licdebug # renew
```

ASA؟ يوتسم يلع مادختسالا دي ق صيخرت دجوي ال اذامل

لا ثمل ل لب س يلع، ASA يوتسم يلع ASA قاقحتسالا نيوكت نم دكات

```
ASA(config)# license smart  
ASA(config-smart-lic)# feature tier standard
```

ASA؟ قاقحتسالا نيوكت دع ب يتح ةمدختسم ريغ صيخرتلا لازت ال اذامل

نم ققحتتو لاطعأال زواجتل ASA Active/Standby جوز رشنب تمق اذا ةعقوتم ةلاجال هذه نوكت
يطايتحال زاغال يلع صيخرتلا مادختسالا.

نكلو، ةيطايتحال ةدحول ال الا ثامتم اخسن نيوكتلا خسن متي، نيوكتلا ليلدل اقفو
ةدحول بلطت. تقؤملا نيختلا ةلاحي لظتو، نيوكتلا مدختست ال ةيطايتحال ةدحول
زواجتل دحاو صيخرت ي صيخرتلا عيمجت متي و. مداخل نم صيخرتلا طقف ةطشنلا
عمجملا صيخرتلا اذه نيخت متي امك، لشفلا زواجت جوز ةطساوب هتكراشم متت لشفلا
ي ةطشنلا ةدحول تحبصا اذا اهمادختسالا متيس يتلا ةيطايتحال ةدحول يلع اتقؤم
[ل لاطعأال زواجت و ASA ةومجم ماظن صيخرت](#): هيلا عوجرلل. لبق تسملا

تنترنالا ال لوصول قح FCM يدل نكي مل اذا هل عف كنكمي يذال ام

مساب اقباس فورعلم) PREM يلع Cisco نم يكدال جمانربال ري دم رشن كنكمي، لي دبك
Cisco نم يكدال صيخرتلا ي ف نوكم اذه. Cisco نم يكدال جمانربال ري دم ل يعانصلال رمقل
تقول ي ف ةيؤر ةيناكم ر فوي وهو. Cisco نم يكدال جمانربال ري دم عم نارتقالاب لمعي يذال
اهك لهتست و اه يرتشت يتلا Cisco صيخرتل ريراقتل اتاناكم ر فوي امك، ابيرقت يلعل
Cisco فئاظو نم ةيعرف ةومجم ال لوصول ةقيرط نامألل ةساسحال تاسسؤملا حنمي امك
اهب ةصاخلا تيبثتلا ةدعاق ةرادال رشابم تنترنالا لاصتا مادختسالا نود SSM

يلع Cisco نم ةيكدال جمانربال ري دم لوح تامولعملال نم ديزم يلع روثعلا كنكمي نيأ

لومجمال رتوي بمكلا

FXOS نيوكت ليلدي ف تامولعملال هذه يلع روثعلا كنكمي

- [Firepower 4100/9300 ل كهل يكدال صيخرتلل يعانصلال رمق مداخ نيوكت](#)
- [دادعأال يلع Smart جمارب ري دم ال FirePOWER ل كهل ري دم لي جت نيوكت](#)

ةلص تا ذ تامولعمل

- [Cisco ASA Series General Operations ةماعلا تاي لمعلل رم اوأال رطس ةهجاو نيوكت ليلدي](#)

CLI

- [ASA ل صيخارت ل ا ة ر ا د ا](#)
- [ت ا د ن ت س م ل ا و ي ن ق ت ل ا م ع د ل ا - Cisco Systems](#)

ةمچرتل هذه ل و ح

ةلأل تاي نقتل ن م ة و مچ م ادخت ساب دن تسم ل ا ذه Cisco ت مچرت
م ل ا ل اء ان ا ع مچ ي ف ن م دخت س م ل ل م عد و ت ح م م ي دقت ل ة ي ر ش ب ل و
امك ة ق ي ق د ن و ك ت ن ل ة ي ل ا ة مچرت ل ض ف ا ن ا ة ظ ح ال 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 مچرت م ا ه م د ق ي ي ت ل ا ة ي ف ا ر ت ح ال ا ة مچرت ل ا ع م ل ا ح ل ا و ه
ي ل ا م اء ا د ع و ج ر ل ا ب ي ص و ت و ت ا مچرت ل ا هذه ة ق د ن ع ا ه ت ي ل و ئ س م Cisco
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 دن ت س م ل ا