

# ةيساسأل ةحولل ةرادإ يف مكحتل ةدحو رشن يف ةباحسل ربع اهميلست متي يتل (FMC) Cisco Defense Orchestrator (CDO)

## تايوت حمل

[ةمدقم](#)

[ةيساسأل تابلطت](#)

[تابلطت](#)

[ةمدختسمل تانوكم](#)

[ةيساسأل تامولعم](#)

[نيوكتل](#)

[CDO](#) لعل ةباحسل ةكبشل ةرفوت يذل [FirePOWER](#) ةرادا زكرم رشن

[ةباحسل ربع اهميلست متي يتل \(FMC\)](#) لعل [FTD](#) ةحولل لعل

[قلص تاذا تامولعم](#)

## ةمدقم

ةحولل ةرادإ يف مكحتل ةدحو ةمدمل ةيلعمل او رشنل ةيلعمل دن تسمل اذه فصلي  
ل يساسأل ماظنل لعل ةباحسل ةكبشل ربع اهميلست متي يتل (FMC) ةيساسأل  
CDO.

## ةيساسأل تابلطت

### تابلطت

ةيلال تاعوضومل ةفرعم ب Cisco يصوت:

- ةباحسل ربع ةرفوت متي يذل [FirePOWER \(CDfmc\)](#) ةرادا زكرم
- [Cisco Defense Orchestrator \(CDO\)](#)
- [Firepower \(FTDv\)](#) ديهت دض يره اظلال عافدل

FTD 7.0.3 رادصل ين دأل دحل

### ةمدختسمل تانوكم

ةيلال ةيدامل تانوكم او جم اربل تارادصل ل دن تسمل اذه يف ةراول تامولعمل دن تس:

- cdFMC
- FTDv 7.2.0

ةصاخ ةيلعمل ةئيب يف ةدوحو مل ةزهأل نم دن تسمل اذه يف ةراول تامولعمل عاشن مت

تتأكد إذا (يضايرتفا) حوسم نيوكتب دنن سمل اذف ةمدختس مل ةزهأل ا عيمج تادب رمل آل لمحتمل ريثأتلل كمهف نم دكأف ،ليغشتل دي قكتك بش

## ةيساسأ تامول عم

يذلا (CDfmc) ةيامحل رادج ةرادإ زكرم ل يساسأ ل ماظنل وه (CDO) Cisco Defense Orchestrator ةبأحسل ربع هميلست متي دنم آل ةيامحل رادج ديدهت دض عافدلا ةزهجأ ةرادب موقت يتلا (SAAS) ةمدخك جماربلا تاجت نم رادج ديدهت نع نم آل عافدلا جمانرب اهرفوي يتلا اهسفن فئاظول نم ديدعل رفوي وهف نم آل ةيامحل رادج ةرادإ زكرم كولسو رهظم سفن مستي و. يلحمل (Secure Firewall) ةيامحل (API) FMC تاقببط ةجمر ب ةهجاو سفن مدختسيو يلحمل

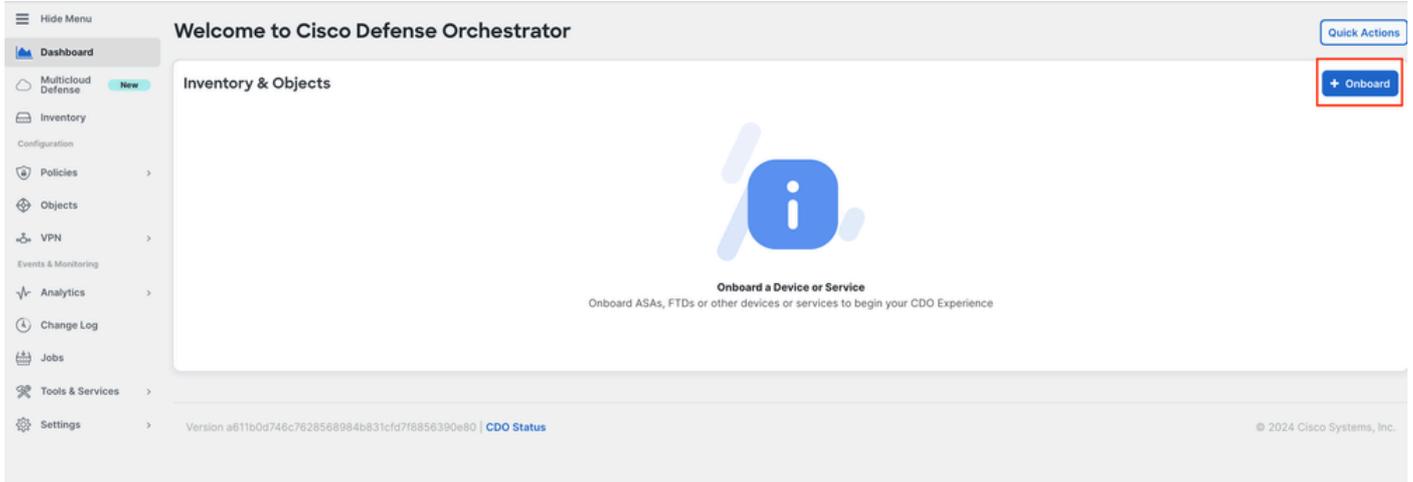
SAAS رادصا ل ةيلحمل نم آل ةيامحل رادج ةرادإ زكارم نم ليحرتل جتنم ل اذف ميصت مت نم آل ةيامحل رادج ةرادإ زكرم

## نيوكتل

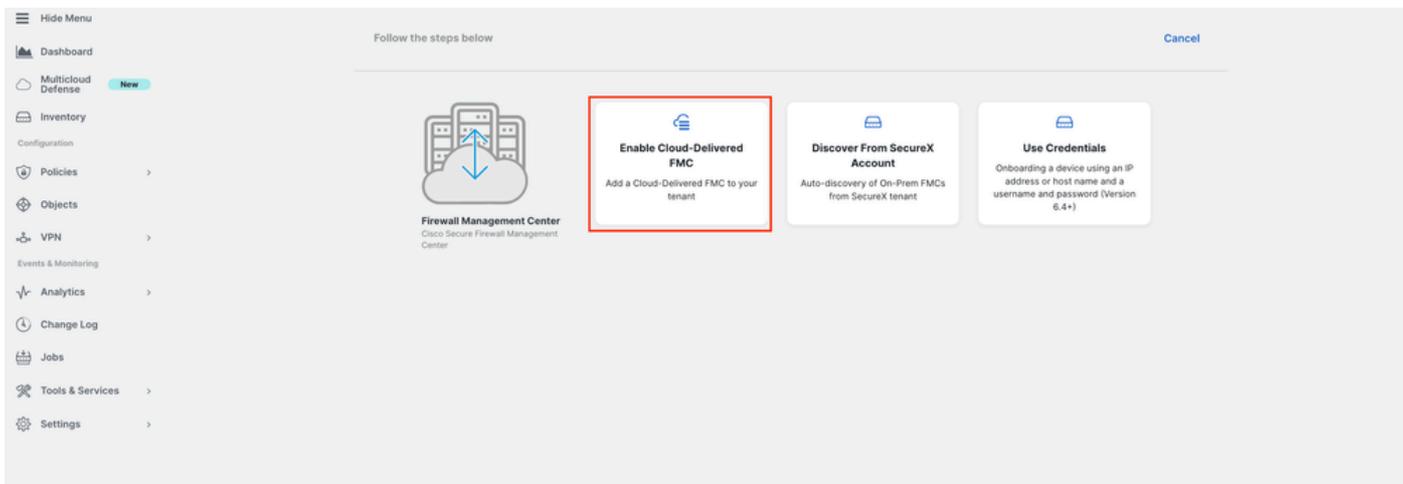
CDO. ل ع ةبأحسل ةكبش ل اهرفوت يذلا FirePOWER ةرادإ زكرم رشن

(FMC) ةيساسأ ةرادإ ل يف مكحت ةدحو رشن ل ةمزالل ةيلوأل دادعإل ةيلمع روصل ا هذف رهظت CDO. ل ع ةبأحسل ربع اهميلست مت

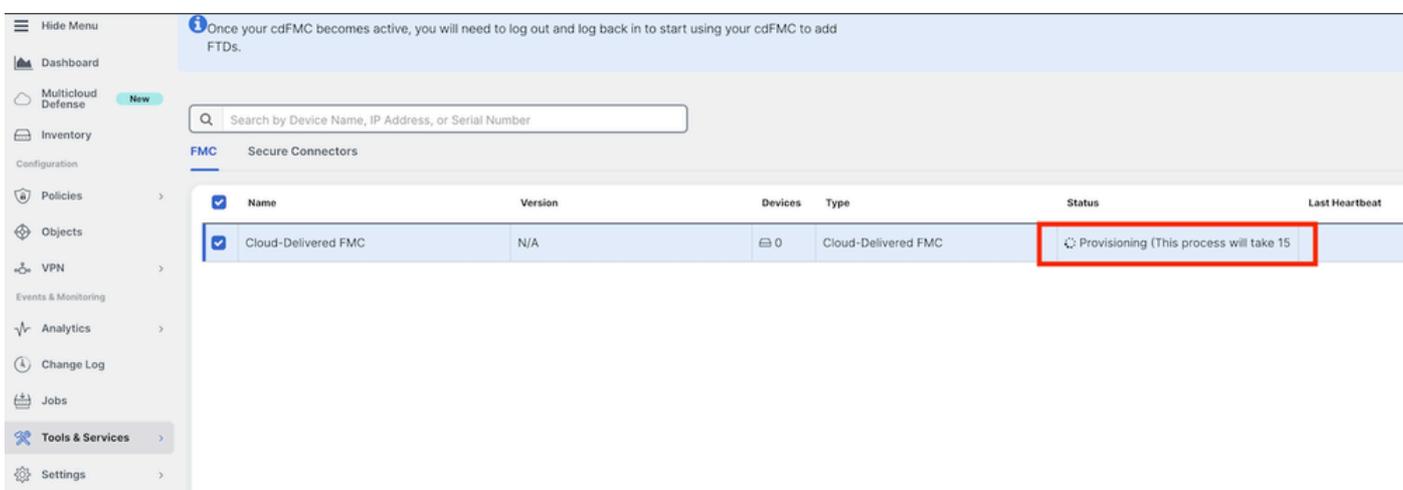
Tools & Services > Firewall Management Center > Onboard. ل لقتنا ،CDO ةمئاق نم



Enable Cloud-Delivered FMC. ديت



30 إلى 15 م كلذ قرغتسي ام دعاو، ةيفلخل ي ةباحسلا ربع هميلست مت يذلا ةيامحل رادج ةرادا زكرم لي م CDO نمخت ةباحسلا ربع اهميلست مت يتلا FMC ب صاخلا ةالحا دومع يل دعادل مدقت بقعت كنكمي. اذ لمتكي يتح ققيقد



رادج ةرادا زكرم نم زها مالع يل لوصحل كنكمي، كلذ إلى ةفاضل ابو. Active إلى ةالحا ريغتت، ريفوتلا لامتكا دع ب CDO تامالعا ةحول يل ةباحسلا ربع هميلست مت يذلا ةيامحل



Cisco Defense Orchestrator Services

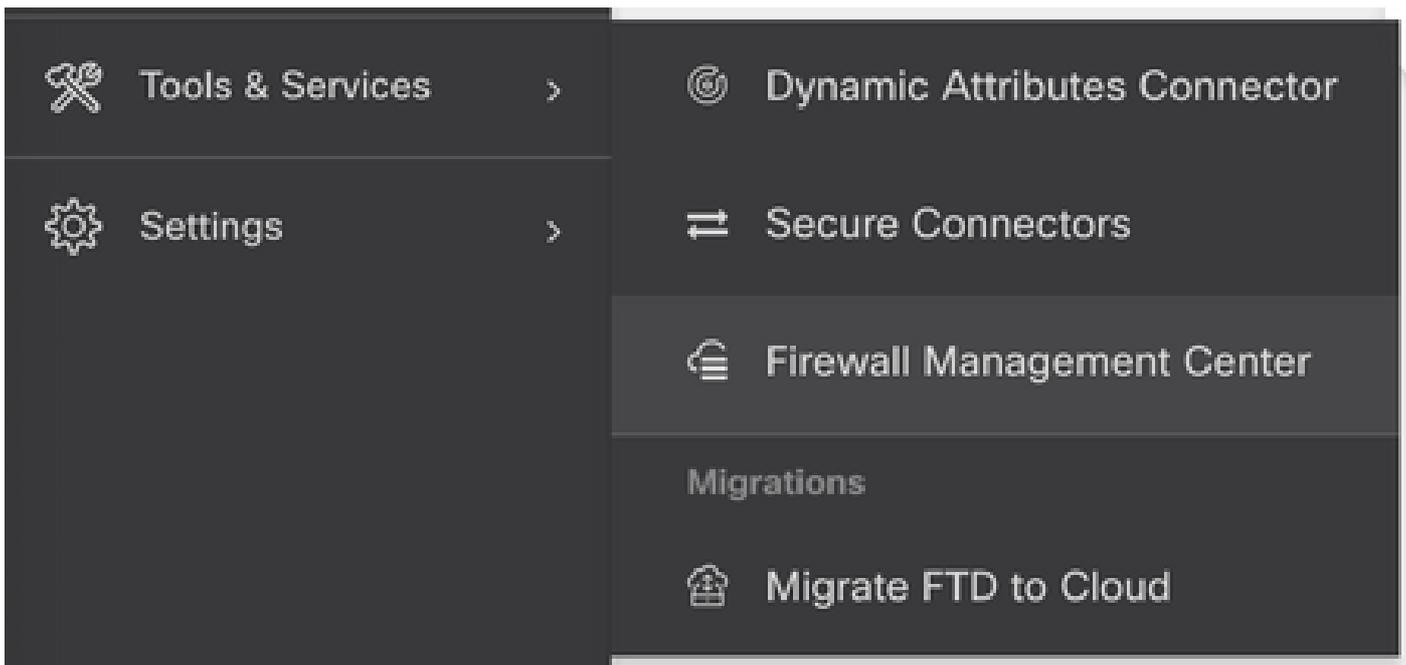
Search by Device Name, IP Address, or Serial Number

FMC Secure Connectors

Name	Version	Devices	Type	Status	Last Heartbeat
Cloud-Delivered FMC	20240412	0	Cloud-Delivered FMC	Active	05/07/2024, 16:24:43

اهتراداو ءكبشلا هرفوت يذلا ءياملال رادج ءرادا زكرم لىل ديدتهلل نع عافدلا ءزهجأ لىمحت ذئدنع كنكمي

الى لىل لوقتنا Menu > Tools & Services > Firewall Management Center.



ءصاىلا (GUI) ءيوسرلا مدختسمل ءهءاو لىل لوصولو، Cdfmc ءناوئسأل ءامولعم ضرعل Cdfmc ءناوئسأل دء ءصاىلا بنءال لىل ءءءملا ءاراءىل نم يا دء، FMC ءناوئسأل اب



Defense Orchestrator

Hide Menu

Inventory

Configuration

Policies

Objects

VPN

Events & Monitoring

Analytics

Change Log

Jobs

Tools & Services

Settings

Cisco Defense Orchestrator

No devices or services have been onboarded

[Click Here to Get Started](#)

**FTD Management** New

- Manage FTD Policies**  
Create, edit, or manage FTD Policies
- Onboard an FTD**  
Onboard an FTD Device
- Migrate FTD to Cloud**  
Migrate FTD Manager from Firewall Management Center to Cloud-Delivered FMC via CDO
- Dynamic Attributes Connector**  
Configure Dynamic Attributes

Take a tour of Cisco Defense Orchestrator

- Onboarding Devices and Services**  
Get started by onboarding all your devices to CDO.
- Object Management and Issue Detection**  
CDO provides easy object management and analytics.
- ASA Image Upgrades**  
ASA and ASDM upgrades made simple.
- ASA Command Line Interface**  
For expert users, CDO provides a command line interface for ASA devices.
- VPN Management**  
Visualize VPN configurations across all your devices to detect and resolve issues.
- Change Log and Change Requests**  
CDO provides easy logging of changes made across your devices.
- Read More**  
Visit our documentation for a full view of what CDO offers.

**What's New in Defense Orchestrator**

August 4th, 2022

**CDO Support for FDM-Managed Devices, Version 7.2**

CDO now supports Secure Firewall Threat Defense version 7.2 for FDM-managed devices. You can now onboard an FDM-managed device running version 7.2 and upgrade an existing FDM-managed device to version 7.2.

June 30th, 2022

**Cisco Secure Firewall Migration Tool Supports Migrations to Cisco Secure Firewall Threat Defense**

The Secure Firewall Migration Tool Version 3.0, allows you to migrate a Secure Firewall ASA to a Cisco Secure Firewall Threat Defense managed by either an on-prem or virtual Secure Firewall Management Center, or by our new cloud-delivered Firewall Management Center in Cisco Defense Orchestrator.

June 9th, 2022

**Cloud-Delivered Firewall Management Center**

Cisco Defense Orchestrator (CDO) is now the platform for the cloud-delivered Firewall Management Center. The cloud-delivered Firewall Management Center is a software-as-a-service (SaaS) product that manages Secure Firewall Threat Defense devices. It offers many of the same functions as an on-premises Secure Firewall Management Center, it has the same appearance and behavior as an on-premises Secure Firewall Management Center, and uses the same FMC API. This product is designed for Secure Firewall Management Center customers who want to move from an on-premises version of the Secure Firewall Management Center to a SaaS version, or to new implementations of secure firewall with built-in cloud.

رای‌خ‌ل Use CLI Registration Key ددح م‌ث

Defense Orchestrator

Onboard FTD Device

Follow the steps below

Cancel

**Firepower Threat Defense**  
90-day Evaluation License:  
**89 days left**  
Manage Smart License

**Important:** After onboarding your FTD, it will be managed by Firewall Management Center in CDO. Note that use of the firewall device manager will not be available after onboarding, and all existing policy configurations will be reset. You will need to reconfigure policies from CDO after onboarding. [Learn more](#)

- Use CLI Registration Key**  
Onboard a device using a registration key generated from CDO and applied on the device using the Command Line Interface.  
(FTD 7.0.3+ & 7.2+)
- Use Serial Number**  
Use this method for low-touch provisioning or for onboarding configured devices using their serial number.  
(FTD 7.2+)

ةب‌ول‌ط‌م‌ل FTDv ت‌ام‌ول‌ع‌م ل‌ا‌خ‌د‌ال ة‌ع‌ب‌ات‌م‌ل‌اب مق

1 Device Name **FTDv** [Edit](#)

2 Policy Assignment **Access Control Policy: Default Access Control Policy** [Edit](#)

3 Subscription License

Please indicate if this FTD is physical or virtual:

Physical FTD Device

Virtual FTD Device

Performance Tier (FTDv 7.0 and above only)

FTDv100 - Tiered (16 core / 32 GB)

License Type	Includes
<input checked="" type="checkbox"/> Base License	Base Firewall Capabilities
<input type="checkbox"/> Threat	Intrusion Policy
<input type="checkbox"/> Malware	File Policy
<input type="checkbox"/> URL License	URL Reputation
<input type="checkbox"/> RA VPN <span>VPNOnly</span>	RA VPN

[Next](#)

Enable subscription licenses. CDO will attempt to enable the selected licenses when the device is connected to CDO and registered with the supplied Smart License. Learn more about [Cisco Smart Accounts](#).

Note: All virtual FTDs require performance tier license. Make sure your subscription licensing account contains the available licenses you need. Its important to choose the tier that matches the license you have in your account. Until you choose a tier, your FTDv defaults to FTDv50 selection.

زاهج لابل ةصاخ ةدحوو **CLI Key** ءاشن اب CDfmc ةي طمنل ءحولل ةرادا يف مكحتل ةدحو موقت ، اريخ أو

4 CLI Registration Key

1 Ensure the device's initial configuration is complete before trying to apply the registration key. [Learn more](#)

2 Copy the CLI Key below and paste it into the CLI of the FTD

```
configure manager add cmonterr-cdo.app.us.cdo.cisco.com
NaRZpWdiG4waNYJMqVaxdKqsukd2nDTn 6qDJQJAYKn53d0TnEifT0XF5nseZ43pd cmonterr-
cdo.app.us.cdo.cisco.com
```

[Next](#)

رادمل كزاهج نم CLI لى **CLI Key** خسن

```
> configure manager add cmonterr-cdo.app.us.cdo.cisco.com NaRZpWdiG4waNYJMqVaxdK
qsukd2nDTn 6qDJQJAYKn53d0TnEifT0XF5nseZ43pd cmonterr-cdo.app.us.cdo.cisco.com
File HA_STATE is not found.

Manager cmonterr-cdo.app.us.cdo.cisco.com successfully configured.
Please make note of reg_key as this will be required while adding Device in FMC.

>
> show managers
Type                : Manager
Host                : cmonterr-cdo.app.us.cdo.cisco.com
Display name        : cmonterr-cdo.app.us.cdo.cisco.com
Identifier           : 6qDJQJAYKn53d0TnEifT0XF5nseZ43pd
Registration        : Pending
```

لجست ةمهم ءدبب FMC طوغضملا صرقل موقى

The screenshot shows the Cisco Defense Orchestrator (CDO) interface. The main window displays the 'Inventory' section for 'FTD' devices. A table lists one device, 'FTDv', with a connectivity status of 'Onboarding'. The right-hand panel shows 'Device Details' for 'FTDv', including fields for Location, Model, Serial, Version, and Onboarding Method. A 'Registration Pending' status is highlighted, with instructions to complete the onboarding process by executing a registration command on the device. A button labeled 'configure manager add cmonterr-cdo.a...' is visible.

✎ **قلم مع لامك لاجأ نم CDO رجأت سمل 443 و (SFTUNNEL) 8305 ذفانم ل ربع لاصتا هيدل FTD زاها نأ نم دكأت: قظالم**  
 لمالك لاب [قكبش ل ل ا ب ل ط م](#) عجار. ليجست ل

✎ **نيوكت: رمل اذا م ادخت ساب FTD-CLI في DNS نيوكت حيحصت كنكم في، فيضم لاب لاصتالا كي ل رذعت اذا: قظالم**  
 قكبش ل ل DNS <address>

ل ل ق ت نا، ليجست ل قلم ع ق ق ا ر م ل **Device Actions > Workflows.**

The screenshot shows the 'Workflows' section in the CDO interface. A table lists two workflows for 'FTDv (FTD)'. Both workflows are in a 'Done' state.

Name	Priority	Condition	Current State	Last Active	Time
fmceRegisterFtdStateMachine	On Demand	Done	Done	8/30/2022, 3:35:50 PM	8/30/2022, 3:33:11 PM / 8/30/2022, 3:35:50 PM
ftdcOnboardingStateMachine	On Demand	Done	Done	8/30/2022, 3:32:50 PM	8/30/2022, 3:32:50 PM / 8/30/2022, 3:32:50 PM

حاجب FTDv ليجست في فيك روصلا هذه رهظت. قف اضا تام ول عم ل ل و ص ل ل ل ل ا ح ل Active عي س و ب م ق

Return to Inventory

FTDv (FTD)

Name	Priority	Condition	Current State	Last Active	Time
<b>ACTION</b>	<b>TIME</b>	<b>START STATE</b>	<b>END STATE</b>	<b>RESULT</b>	
PollingDelayedCheckAction	15:34:46.812 / 15:34:46.819	POLLING_WAIT_BEFORE_CHECK_REGISTER_FTD	● INITIATE_GET_TASK_STATUS	● SUCCESS	
FmcRequestGetAction	15:35:17.324 / 15:35:17.724	INITIATE_GET_TASK_STATUS	● WAIT_FOR_GET_TASK_STATUS	● SUCCESS	
FmcQueryTaskStatusResponseHandler	15:35:18.223 / 15:35:18.244	AWAIT_RESPONSE_FROM_executeFmcRequests	● POLLING_WAIT_BEFORE_CHECK_REGISTER_FTD	JOB_IN_PROGRESS	
PollingDelayedCheckAction	15:35:18.288 / 15:35:18.299	POLLING_WAIT_BEFORE_CHECK_REGISTER_FTD	● INITIATE_GET_TASK_STATUS	● SUCCESS	
FmcRequestGetAction	15:35:48.708 / 15:35:49.173	INITIATE_GET_TASK_STATUS	● WAIT_FOR_GET_TASK_STATUS	● SUCCESS	
FmcQueryTaskStatusResponseHandler	15:35:49.639 / 15:35:49.652	AWAIT_RESPONSE_FROM_executeFmcRequests	● INITIATE_GET_DEVICE_RECORDS_REGISTER_FTD	JOB_SUCCEEDED	
FmcRequestDeviceRecordsAction	15:35:49.674 / 15:35:50.084	INITIATE_GET_DEVICE_RECORDS_REGISTER_FTD	● WAIT_FOR_DEVICE_RECORDS_REGISTER_FTD	● SUCCESS	
FmcFilterDeviceResponseHandler	15:35:50.496 / 15:35:50.510	AWAIT_RESPONSE_FROM_executeFmcRequests	● DONE	● SUCCESS	
<b>HOOK</b>	<b>TYPE</b>	<b>TIME</b>	<b>RESULT</b>		
SaveInitialConnectivityStateBeforeHook	Before	15:33:11.229 / 15:33:11.231	Saved Connectivity State to context		
UpdateSMContextWithDeviceVersionHook	Before	15:33:11.231 / 15:33:11.234	setDeviceVersionInSMContext		
DeviceStateMachineClearErrorBeforeHook	Before	15:33:11.234 / 15:33:11.236	noErrorOccurred		
FmcRegisterFtdcStatusPreHook	Before	15:33:11.236 / 15:33:11.289	Executed pre hook successfully for FTD device: FTDv		
FmcRegisterFtdcStatusHook	After	15:35:50.517 / 15:35:50.519	Executed hook successfully		
NotifyOnConnectivityStateChangeAfterHook	After	15:35:50.519 / 15:35:50.521	Notification skipped for this event		
UpdateSMContextWithDeviceAsaNgPolicyFlagHook	After	15:35:50.521 / 15:35:50.523	notAsaDevice		
AddDeviceNameToStateMachineDebugAfterHook	After	15:35:50.523 / 15:35:50.528	Added device name to debug record		
DeviceStateMachineSetErrorAfterHook	After	15:35:50.528 / 15:35:50.530	noErrorOccurred		
ftdcOnboardingStateMachine	● On Demand	● Done	● Done	8/30/2022, 3:32:50 PM	8/30/2022, 3:32:50 PM / 8/30/2022, 3:32:50 PM

Devices Templates

Search by Device Name, IP Address, or Serial Number

Displaying 1 of 1 results

Name	Configuration Status	Connectivity
FTDv FTD	○ Synced	● Online

FTDv  
FTD

Synced  
Your device's configuration is up-to-date.

Check for Changes

Manage Licenses

Workflows

Remove

Health

Device Management

- Device Overview
- Routing
- Interfaces
- Inline Sets
- DHCP
- VTEP
- High Availability

FTDv إلى عمارة عرطن ةلأح ةعآرم و cdFMC إلى لوصول **Device Management > Device Overview** إلى لقتنا، أريخاً

### FTDv

Cisco Firepower Threat Defense for Azure

Device Routing Interfaces Inline Sets DHCP VTEP

<b>General</b>	<b>License</b>	<b>System</b>
Name: FTDv Transfer Packets: No Mode: Routed Compliance Mode: None TLS Crypto Acceleration: Disabled Device Configuration: <a href="#">Import</a> <a href="#">Export</a> <a href="#">Download</a>	Performance Tier: FTDv100 - Tiered (Core 16 / 32 GB) Base: Yes Export-Controlled Features: No Malware: No Threat: No URL Filtering: No AnyConnect Apex: No AnyConnect Plus: No AnyConnect VPN Only: No	Model: Cisco Firepower Threat Defense for Azure Serial: 9AGTAFW2406 Time: 2022-08-30 21:04:27 Time Zone: UTC (UTC+0:00) Version: 7.2.0 Time Zone setting for Time based Rules: UTC (UTC+0:00)
<b>Inspection Engine</b>	<b>Health</b>	<b>Management</b>
Inspection Engine: Snort 3 <a href="#">Revert to Snort 2</a>	Status: Policy: Initial_Health_Policy 2022-06-04 01:25:03 Excluded: None	Host: NO-IP Status: Manager Access Interface: <a href="#">Management Interface</a>

### قلم تاذ تام ولعم

- [Cisco Systems - تادنتسجل او ينقبتل ا معدلا](#)
- [قباحسل ا ربع هل يصوت متي يذلا ةي امحلا رادج قزادا زكرم مادختساب Cisco نم نمالا ةي امحلا رادج دي دعت نع عاقدلا قزهجأ قزادا](#)

ةمچرتل هذه ل و ح

ةلأل تاي نقتل ن م ة و مچ م ادخت ساب دن تسم ل ا اذ ه Cisco ت مچرت  
م ل ا ل ا ا ن ا ع مچ م ف ن م دخت س م ل م عد و ت م م م دقت ل ة يرش ب ل و  
م ك ة ق ي ق د ن و ك ت ن ل ة ل ا ة مچرت ل ض ف ا ن ا ة ظ ح ا ل م م چ ر ي . ة ص ا خ ل م ه ت غ ل ب  
Cisco ي ل خ ت . ف ر ت م م مچرت م ا ه م د ق ي ي ت ل ا ة ي ف ا ر ت ح ا ل ا ة مچرت ل ا م ل ا ح ل ا و ه  
ل ا ا م ا د ا د ع و چ ر ل ا ب ي ص و ت و ت ا مچرت ل ا ه ذ ه 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 چ ن ا ل ا دن ت س م ل ا