

ةيساسألأ ةحوللأ ةرادإ يف مكحتلأ ةدحو رشن يف ةباحسلأ ربع اهميلست متي يتلأ (FMC) Cisco Defense Orchestrator (CDO)

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ةمدقملا

ةحوللأ ةرادإ يف مكحتلأ ةدحو ةمدملا ةيلعمل او رشنلأ ةيلعمل دننستسملأ اذه فص ي
ل يساسألأ ماظنلأ لعل ةباحسلأ ةكبشلأ ربع اهميلست متي يتلأ (FMC) ةيساسألأ
CDO.

ةيساسألأ تابلطتملا

تابلطتملا

ةيلالال تاعوضوملا ةفرعمب Cisco يصوت

- ةباحسلأ ربع هرفوت متي يذلا FirePOWER (CDfmc) ةرادا زكرم
- Cisco Defense Orchestrator (CDO)
- Firepower (FTDv) ديهت دض يره اظلال عافدلا

FTD 7.0.3 رادصلأ ين دألأ دحلأ

ةمدختسملأ تانوكملا

ةيلالال ةيداملأ تانوكملا او جم اربلأ تارادصلأ لعل دننستسملأ اذه يف ةدراولأ تامولعملأ دننست

- cdFMC
- FTDv 7.2.0

ةصاخ ةيلعمل عم ةئيب يف ةدوحو ملاء ةزهجالأ نم دننستسملأ اذه يف ةدراولأ تامولعملأ عاشنإ 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 يساسأل ماظنل وه (CDO) Cisco Defense Orchestrator دحأ ةباحسل ربع هميلست مت يذلا ةيامحل رادج ةرادإ زكرم دعي .ةباحسل ربع هميلست مت يذلا ةيامحل رادج دعت دض عافدلا ةزهجأ ةرادب موقت يتلا (SAAS) ةمدخك جماربل تاجت نم رادج ديدت نع نم آل عافدلا جمانرب اهرفوي يتلا اهسفن فئاظول نم ديدعل رفوي وهف نم آل ةيامحل رادج ةرادإ زكرم كولسو رهظم سفنب مستوي .يحمل (Secure Firewall) ةيامحل (API) FMC تاقببط ةجمر بةهجاو سفن مدختسي ويحمل

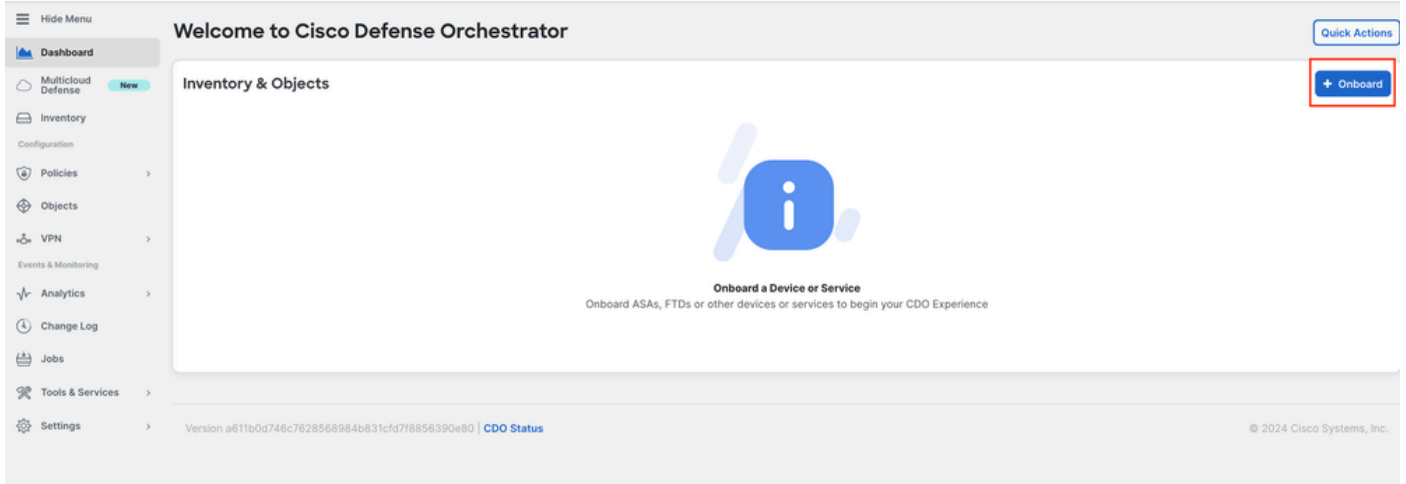
SAAS رادصا ل ةيامحل نم آل ةيامحل رادج ةرادإ زكرم نم ليحرتل جتنم ل اذف ميمصت مت نم آل ةيامحل رادج ةرادإ زكرم

نيوكتل

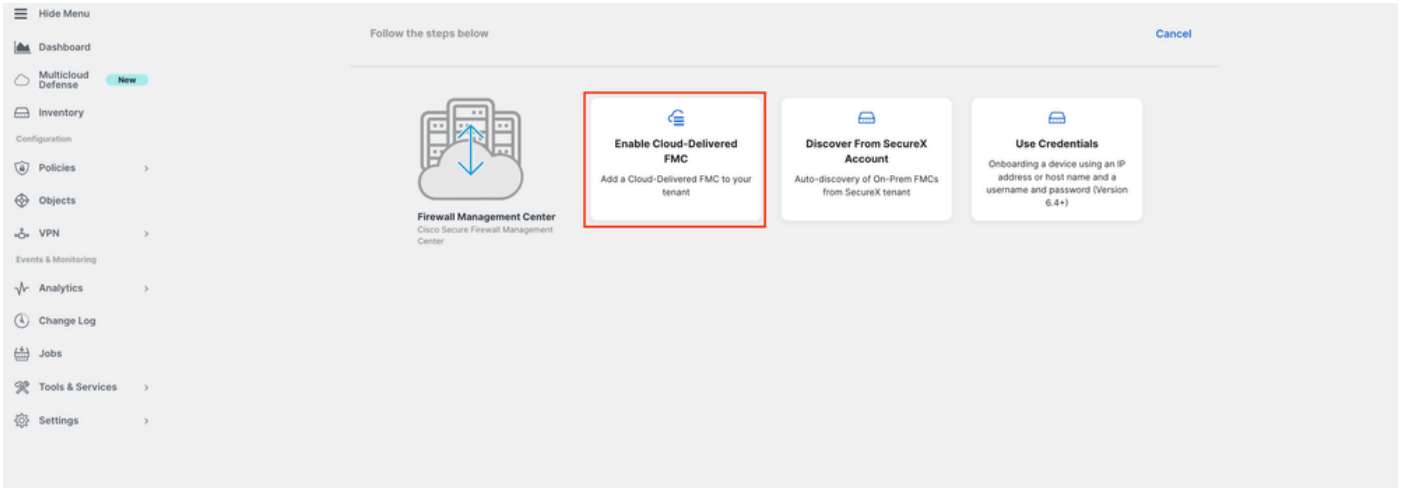
CDO. ل ع ةباحسل ةكبشال هرفوت يذلا FirePOWER ةرادإ زكرم رشن

(FMC) ةيساسأل ةرادإل ي ف مكحت ةدحو رشنل ةمزالل ةيلوال دادعإل ةيلمع روصلل هذه رهظت مت ل ع ةباحسل ربع اهميلست مت

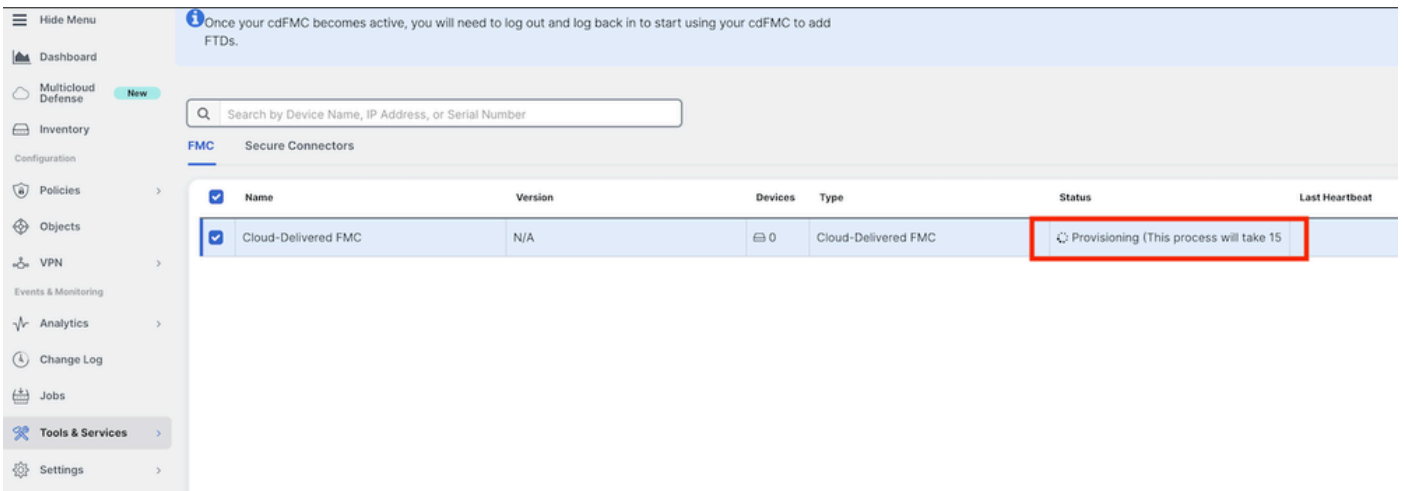
Tools & Services > Firewall Management Center > Onboard. ل لقتنا ،CDO ةمئاق نم



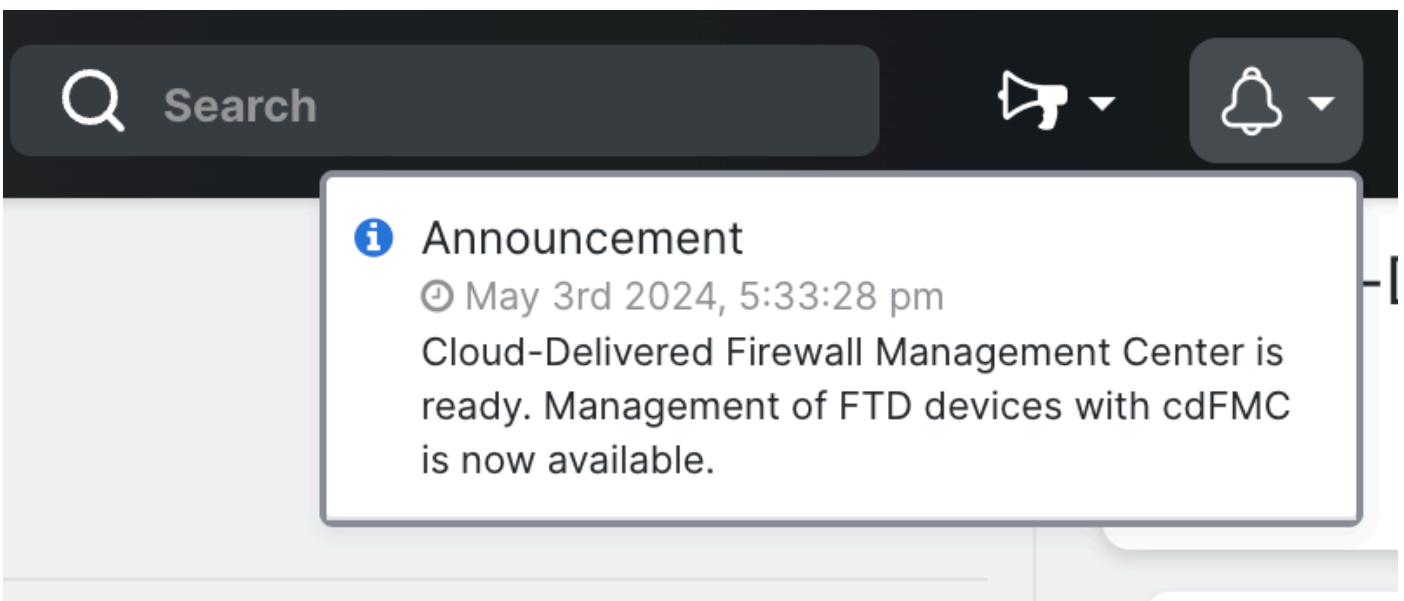
Enable Cloud-Delivered FMC. ديدت



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 يتل فم ب صاخلا ةلحال دومع يل دعادل مدقت بقعت كنكمي. اذ لمتكي يتح ققيقد



رادج ةرادا زكرم نم زهاج مالع يل لوصحل كنكمي، كلذ إلى ةفاضل ابو. Active إلى ةلحال ريغتت، ريفوتل لامتكا دع ب CDO تامالعل ةحول يل ةباحسلا ربع هميلست مت يذلا ةيامحل



Cisco Defense Orchestrator Services

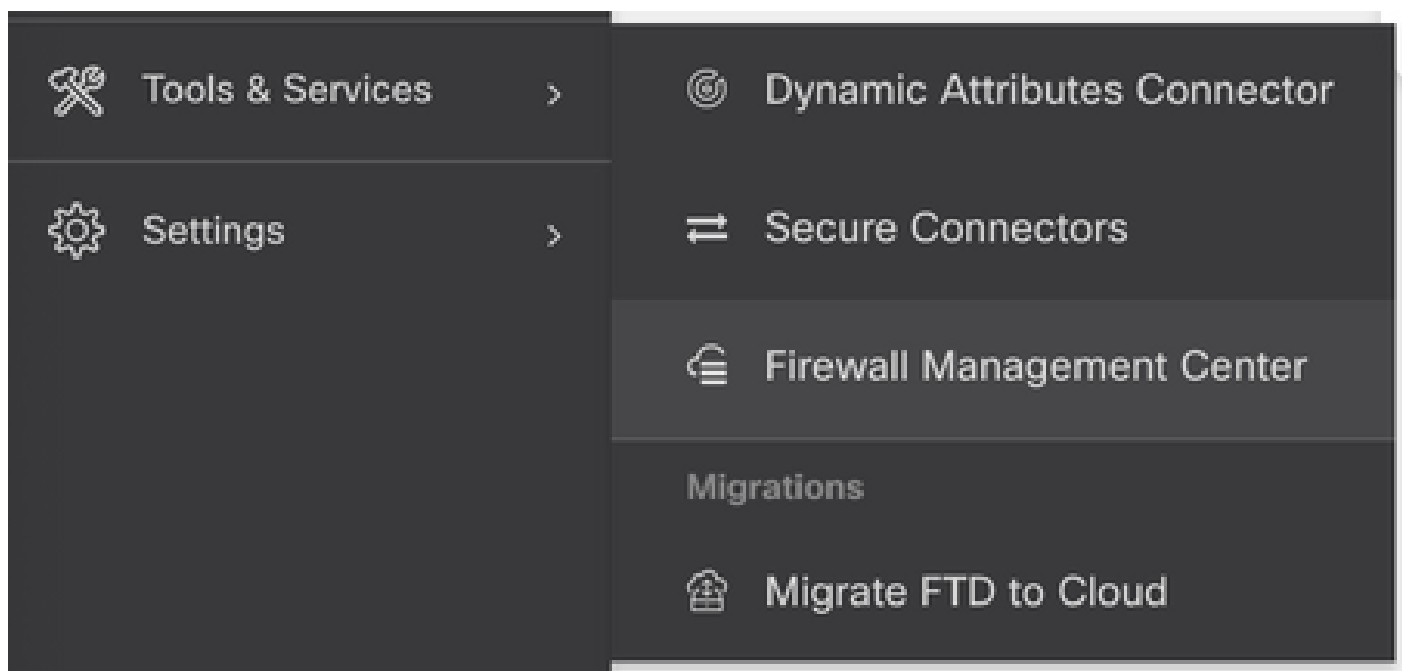
Search by Device Name, IP Address, or Serial Number

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 ةكبشلا هرفوت يذلا ةياملحلا رادج ةرادا زكرم ىلإ ديدعتلا نع عافدلا ةزهجأ ليمحت ذئدنع كنكمي

اهتراداو ةكبشلا هرفوت يذلا ةياملحلا رادج ةرادا زكرم ىلإ ديدعتلا نع عافدلا ةزهجأ ليمحت ذئدنع كنكمي



ةصاخلا (GUI) ةيموسرلا مدختسملا ةهجاو ىلإ لوصوللو، CDfmc ةناوئسأل تامولعم ضرعل CDfmc ةناوئسأل دح نم ىلإ بنجلال ىلع ةحاتملا تارايلخا نم يا دح، FMC ةناوئسأل اب

The screenshot shows the Cisco Defense Orchestrator (DO) interface. The main content area displays a table of services under the 'FMC' category. The table has columns for Name, Version, Devices, Type, Status, and Last Heartbeat. One entry, 'Cloud-Delivered FMC', is highlighted with a red box. The right sidebar shows a list of actions and management options for the FMC, also highlighted with a red box.

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

The right sidebar shows the following actions and management options:

- Actions:
 - Check For Changes
 - Deployment
 - Updates
 - Workflows
 - API Explorer
- Management:
 - Devices
 - Policies
 - Objects
 - NAT
 - Site to Site VPN
 - Remote Access VPN
 - Platform Settings
- System:
 - Configuration
 - Smart Licenses
 - AMP Management
 - Device Health
 - Audit
 - Cisco Cloud Events

CDfmc مكنحت الة دحول (GUI) ةيموسرلا مدختس ملة ةه او دهاشم نآل كنكمري

The screenshot shows the Cisco Defense Orchestrator (DO) Health Status page. The page displays a summary of health status with 1 total, 0 critical, 0 warnings, 1 normal, and 0 disabled. A table below shows the details of the device FTDv, including its version (7.2.0) and model (Cisco Firepower Threat Defense for Azure).

Device	Version	Model
FTDv	7.2.0	Cisco Firepower Threat Defense for Azure

ةباحسلا ربع اهميلست متي FMC لىل فTD ةحولل لىل

رم اوآل رطس ةه او ليحست حاتفم مادختساب cdFMC صرق لىل هل يچست متي فTD بكيك ةيفي روصلا هذه رهظت (CLI).

ل CDO ل ةيسيئرلا ةحفصلال في **Onboard an FTD** دح، الوأ

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

Hide Menu

Inventory

Configuration

Policies

Objects

VPN

Events & Monitoring

Analytics

Change Log

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 VPNOnly	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 لىل **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
```

ليجست ةمهم ءدبب FMC طوغضملا صرقلا موقى

The screenshot shows the Cisco Defense Orchestrator (CDO) interface. In the 'Inventory' section, a table lists devices under the 'FTD' category. One device, 'FTDv', is shown with a status of 'Onboarding', which is highlighted with a red box. The right-hand sidebar provides details for the selected device, including 'Device Details' (Location, Model, Serial, Version, Onboarding Method) and a 'Registration Pending' status. A message indicates that the device is waiting for registration to start and provides instructions to complete the process by executing a registration command on the device. A button labeled 'configure manager add cmonterr-cdo.a...' is visible.

✎ ةي لمع لامك لجا نم CDO رجأت سمل 443 و (SFTUNNEL) 8305 ذفانم ل ربع لاصتا هيدل FTD زاها نأ نم دكأت : ةظالم لمالك لاب ةكبش ل ل ا ب ل ط م ع جار . ل ل ج س ت ل ا

✎ ني وكت : رمل اذا م ادخت ساب FTD-CLI في DNS ني وكت حيحصت كنكم في ، في ضم ل ا ل اصتا ل ا ك ي ل ع رذعت اذا : ةظالم ةكبش ل ل DNS <address> .

ل ل ج س ت ل ا ةي لمع ةب قارمل **Device Actions > Workflows.** ل ل ل ق ت ن ا ، ل ل ج س ت ل ا ةي لمع ةب قارمل

The screenshot shows the 'Workflows' page in the Cisco Defense Orchestrator. A table lists two workflows for the 'FTDv (FTD)' device. Both workflows are in a 'Done' state. The first workflow is 'fmceRegisterFtdStateMachine' with a priority of 'On Demand' and a condition of 'Done'. The second workflow is 'ftdcOnboardingStateMachine' with a priority of 'On Demand' and a condition of 'Done'. The table also shows the 'Current State' as 'Done' for both, the 'Last Active' time, and the 'Time' taken to complete each workflow.

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

حاجن ب FTDv ل ل ج س ت ةي في ك روصلا هذ رهظت . ةي فاضا تامولعم ل ل ع لوصحلل ةلا ح ال Active عي سوت ب مق

Return to Inventory

FTDv (FTD)

Name	Priority	Condition	Current State	Last Active	Time
ACTION	TIME	START STATE	END STATE	RESULT	
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	
HOOK	TYPE	TIME	RESULT		
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

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

Device Details

Location: n/a
Model: Cisco Firepower Threat Defense for Azure
Serial: 9AGTAPW24C6
Version: 7.2.0
Onboarding Method: Registration Key
Smart Version: 3.1.21.1-126

Device Actions

- Check for Changes
- Manage Licenses
- Workflows
- Remove

Monitoring

- 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

General	License	System
Name: FTDv Transfer Packets: No Mode: Routed Compliance Mode: None TLS Crypto Acceleration: Disabled Device Configuration: Import Export Download	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)
Inspection Engine	Health	Management
Inspection Engine: Snort 3 Revert to Snort 2	Status:  Policy: Initial_Health_Policy 2022-06-04 01:25:03 Excluded: None	Host: NO-IP Status:  Manager Access Interface: Management Interface

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 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 و
ا 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 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 ا ل ا ة مچرت ل ا ع م ل ا ح ل ا و ه
ي ل ا م ا د ع و ج 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 ج ن ا ل ا دن ت س م ل ا