

MCD مداخلتساب Azure في FTDv ةباوب رشن

تايوتحمل

[ةمدقملا](#)

[ةيساسال تابلطتلا](#)

[تابلطتلا](#)

[ةمدختسمل تانوكلا](#)

[نئوكلا](#)

[يلطليجست](#)

[صصخم رودعاشنا](#)

[صصخم رودنئيعت](#)

[MCD ب Azure باسح ليصوت](#)

[VNet عاشنا](#)

[Azure MCD FTDv ةباوب عاشنا](#)

[ةحصلا نم ققحتلا](#)

[ةلص تاذا تاملعم](#)

ةمدقملا

ةباوبال رشنو ةيساسال Microsoft Azure تابلطتم نئوكت ةيفي ك دنتسمل اذه حضوي MCD لال خ نم ةيامحل رادج ديدعت نع عافدل (FTDv) ةيرهاظلا.

ةيساسال تابلطتلا

- Microsoft Entra فرعمب هنارتقاو، هليجست وهيلع لوصحل مت يذل Azure كارتشا Azure لخدم في تاقيبطتال تاليجست ةمئاق في كلذ ديكأت
- لوصول قح (MCD) Multicloud Defense حنمي يذل Azure كارتشال هؤاشنا مت صصخم رود كلذ فالخب اهراطح متي يتلا ةدحمل تاءارجلاو دراوملا ىل
- يلعفل تقولا في تاتيحت يقلت MCD ل نكمي ثيحب، Azure Event Grid في كارتشا Azure كارتشال نم
- تامولعم ةحول نم ةباحسلا ددعت عافدل في مكحتلا ةدحوب Azure كارتشا ليصوت مت MCD.
- اهي في متي يتلا ىلوالا ةرمل ايه هذه تناك اذا، Azure في ةلوبقمال Cisco قوس طورش MCD ىل Azure باسح ليجست
- ىل لوصول ديرت تنك اذا، اهنئوكت مت مدختسمل لبق نم ةنئيعم ةرادم ةيوه (يرايخا) Blob و Key Vault نئختلا ةدحو
- مئدقت لبق اهؤاشنا مت يتلا VNs ةمظنا مداخلتسا نكمي ال. ةديج ةمدخ VNet ةكبش

FTDv ةرابع رشنل FTDv ةبابوب معد

- ةباحسل ربع هميلست متي يذال (cdFMC) ةيامحل رادج ةرادا زكرم ي ف طشن كارتشا
- FTDv زاهجل لوصولو ي ف مكحتللا ةسايس ةراداب موق ي يذالو
- كك ي رشن و Cisco عئاب لال خ نم هؤارش مت لقأل ىلع دحاو FTDv صيخرت

تابل طتمل

ةيلاتللا عيضاوملاب ةفرعم كي دل نوكت ناب Cisco ي صوت

- Microsoft Azure ةبابوب ربع لقننللا
- ىل دننستمل لوصولو ي ف مكحتللاو (Azure AD) Microsoft Entra ةفرعم قيبطت ليچست (RBAC) راودال
- Cisco نم (MCD) ةباحسللا ددعتم عافدل
- Cisco نم (FTDv) نمآال ةيامحل رادج ديدهت دض يرهاظلال عافدل لوكوتورب

ةمدختسمل تانوكمل

ةنيعم ةي دام تانوكم وجمارب تارادصل ىلع دننستمللا اذه رصتقي ال

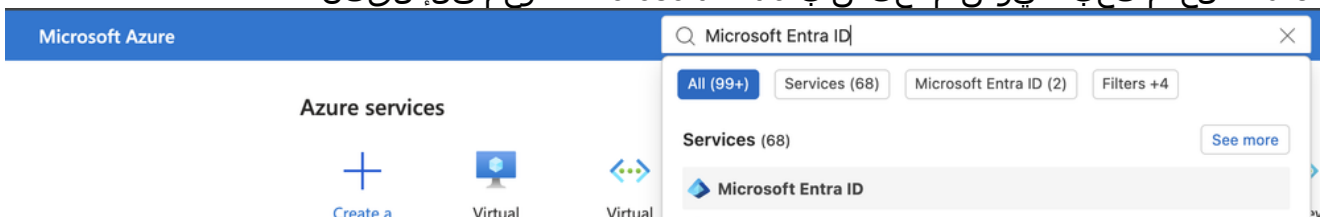
ةصاخ ةي لمعم ةئي ي ف ةدوجومللا ةزهجال نم دننستمللا اذه ي ف ةدراوللا تامولعمللا عاشنإ مت تناك اذا (يضا رتفا) حوسمم نيوكتب دننستمللا اذه ي ف ةمدختسمللا ةزهجاللا عيجم تادب رما يال لمحتحمللا ريثأتلل كمهف نم دكأتف ،ليغشتلا دي ق ك تكبش

نيوكتللا

رشنو ،MCD ب كب صاخال Azure باسح طبرو ،Microsoft Azure دادعال تاءارجاللا هذه مدختسأ FTDv ةبابوب

بلط ليچست

1. Azure لخدم ثحب طي رشن مادختساب Microsoft Entra ةفرعم ىل لقننلا



2. قيبطتلا ليچست ددح م ،ةفاضل قوف رقنا

×

«

+ Add ▾

⚙ Manage tenants

📄 What's new

📘 Overview

🚀 Preview features

🔧 Diagnose and solve problems

> Manage

> Monitoring

> Troubleshooting + Support

👤 User >

👥 Group

🏢 Enterprise application

📄 App registration

🔗 [App, integrated experience](#)

📄 Properties

📄 Recommendations

Basic information

Name	cxsecurity
Tenant ID	af42bac0-52aa-429f-92
Primary domain	cxsecurity.onmicrosoft.com

3. التالى مي قل لخد، قى بط لى ج ست ج ذوم ن ف

- ةلوه سب هى لى لى فرع تال ن كمى قى بط لى لى مسال
 - مدخ تسى. هج و لى لى لى كى بى بى سانى لى ذل راي لى دح: ةم و دى لى لى با س لى لى عاون
- ط ق ف اى د ر ف ا ر ج ا ت س م د ن ت س م ل ا ذ ه

Register an application ...

* Name

The user-facing display name for this application (this can be changed later).

Supported account types

Choose the account types that can use this application or access this API

Single tenant only - cxsecurity ▾

Single tenant only - cxsecurity

Multiple Entra ID tenants

Any Entra ID Tenant + Personal Microsoft accounts

Personal accounts only

[Help me choose](#)

nticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.

Register an app you're working on here. Integrate gallery apps and other apps from outside your organization by adding from [Enterprise applications](#).

4. دنتسم ل اذه موقى ال .كلمع ةئىبل بسانم ل راىخل رتخا ،(راىتخا) Redirect URI ل
هىوتل ةداعل URI نىوكتب

Redirect URI (optional)

We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.

Select a platform

Public client/native (mobile & desktop)
Web
Single-page application (SPA)

e.g. https://example.com/auth

Integrate gallery apps and other apps from outside your organization by adding from [Enterprise applications](#).

5. لىس ةقطق

6.(لىمعل) قىبطل فرعم خسن .ةماع ةرطن ةحفص رهط ،قىبطل لىجست دعب
ةركفم فى امهظفو (رئاتسم ل) لىلدل فرعمو

Home > cxsecurity | Overview

Multicloud Defense Controller

Search

Deactivate Delete Endpoints

Overview

Quickstart

Integration assistant

Diagnose and solve problems

Manage

Support + Troubleshooting

Essentials

Display name : Multicloud Defense Controller

Application (client) ID : e5e0d63d-6f62-4ff9-aaed-2eabd850cf72

Object ID : ec1746e4-bd16-4a00-aa7d-3b8e7e52496a

Directory (tenant) ID : af42bac0-52aa-429f-92db-925819967d17

Supported account types : My organization only

Client credentials : Add a certificate or secret

Redirect URIs : Add a Redirect URI

Application ID URI : Add an Application ID URI

Managed application in L... : Multicloud Defense Controller

State : Activated

Welcome to the new and improved App registrations. Looking to learn how it's changed from App registrations (Legacy)? [Learn more](#)

Azure Active Directory Authentication Library (ADAL) and Azure AD Graph no longer receive new feature updates. We continue to provide technical support and security updates. Applications should be upgraded to Microsoft Authenticating Library (MSAL) and Microsoft Graph. [Learn more](#)

Get Started Documentation

7. رارسأل او تاداهش ل > ةرادى ل لقتنا ،قىبطل ةحفصل رسل ل لقتنل نم



Multicloud Defense Controller



Search



Deactivate



Delete



Endpoints



Overview



Quickstart



Integration assistant



Diagnose and solve problems



Manage



Branding & properties



Authentication (Preview)



Certificates & secrets



Token configuration



API permissions



Expose an API



App roles



Owners



Roles and administrators



Manifest



Support + Troubleshooting

^ Essentials

Display name : [Multicloud Defense](#)

Application (client) ID : e5e0d63d-6f62-4ff

Object ID : ec1746e4-bd16-4a

Directory (tenant) ID : af42bac0-52aa-429

Supported account types : [My organization o](#)



Welcome to the new and improved App reg



Azure Active Directory Authentication Librai
Library (MSAL) and Microsoft Graph. [Learn i](#)

Get Started

Documentation

The Mi

8.ديدج لي مع رس قوف رقنا

Multicloud Defense Controller | Certificates & secrets

[Got feedback?](#)[Overview](#)[Quickstart](#)[Integration assistant](#)[Diagnose and solve problems](#)[Manage](#)[Branding & properties](#)[Authentication \(Preview\)](#)[Certificates & secrets](#)[Token configuration](#)[API permissions](#)[Expose an API](#)[App roles](#)[Owners](#)[Roles and administrators](#)[Manifest](#)[Support + Troubleshooting](#)

Credentials enable confidential applications to identify themselves to the authentication service when receiving to scheme). For a higher level of assurance, we recommend using a certificate (instead of a client secret) as a credent

Application registration certificates, secrets and federated credentials can be found in the tabs below.

Certificates (0) **Client secrets (0)** Federated credentials (0)

A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as

[+ New client secret](#)

New client secret	Expires	Value
-------------------	---------	-------

No client secrets have been created for this application.

9:افاضا قوف رقنا م ث ،ميقلا هذه لخدأ ،ليمع رس ةفاضإ ةحفص يف

- ليمعلا رسل بسانم فصو :فصولا

- كئيب بسانم يذلا راخلا رتخأ ،ةلدسنملا ةمئاقلا نم :ةيحالصلا ةدم ءاهتنا هجولصفأ ىلع

يلاحلا رسل ةيحالص ءاهتنا دنع ديدج رس ءاشنإ بجي :ةظحالم

Copilot

swesnitz@cisco.com
CXSECURITY (CXSECURITY.ONMI...

Add a client secret

Description

swesnitz-mcd-secret

Expires

Recommended: 180 days (6 months)

10. ترك فم ال إلى امه ظرف حو رسال فرعمو ةمي ق ال نم لك خ سنا

عاشن إلى تقوي ف طقف ةي رسال ةمي ق ال ضرع كنكمي :ري دحت

Application registration certificates, secrets and federated credentials can be found in the tabs below.

Certificates (0) **Client secrets (1)** Federated credentials (0)

A secret string that the application uses to prove its identity when requesting a token. Also can be referred to as application password.

+ New client secret

Client secret values cannot be viewed, except for immediately after creation. Be sure to save the secret when created before leaving the page.

Description	Expires	Value	Secret ID
swesnitz-mcd-secret	3/14/2027		

ةمي ق ال دومع ي ف لي م عمل رس درس متي :حي ملت

ص صخم رود عاشن إلى

1. Azure لخدم شح ب طيرش مادختساب تاكارتش ال إلى لقتنا

Microsoft Azure

Home > cx-tac-rtp-fw-azure (cxsecurity) | Access control (IAM)

Create a custom role

sub

All (99+) Services (19) Resources (30) Filters +4

Services (19)

Subscriptions

2. كب صاخال كارتش ال قوف رقنا

Home > Subscriptions

Subscriptions

cxsecurity (cxsecurity.onmicrosoft.com)

Compare the different Azure subscription types Forecast my cost for next billing period

+ Add Manage Policies View Requests View eligible subscriptions Export to CSV Analyze

Global administrators can manage all subscriptions in this list by updating their policy setting [here](#).

Showing subscriptions in cxsecurity directory. Don't see a subscription? [Switch directories](#)

Search for any field...

Subscriptions : Filtered (1 of 1) My role == all Status == all Add filter

Subscription name	Subscription ID	My role	Current cost
cx-tac-rtp-fw-azure (cxsecurity)	560f3235-2739-42bf-947e-e6ee1cc2b999	Specified access	\$1,418.01

3. (IAM) لوصول ي ف مكحتل قوف رقنا

Microsoft Azure

Home > Subscriptions

Subscriptions

cxsecurity (cxsecurity.onmicrosoft.com)

+ Add Manage Policies ...

Global administrators can manage all subscriptions in this list by updating their policy setting [here](#).

Showing subscriptions in cxsecurity directory. Don't see a subscription? [Switch directories](#)

Search for any field...

cx-tac-rtp-fw-azure (cxsecurity)

Subscription

Search

Cancel subscription Rename Change directory

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Security

Resource visualizer

Events

Change service administrator functionality is no longer supported

Essentials

Subscription ID : 560f3235-2739-42bf-947e-e6ee1cc2b

Directory : cxsecurity (cxsecurity.onmicrosoft.com)

My role : Specified access

Offer : Enterprise Agreement

Offer ID : MS-AZR-0017P

Parent management group : Americas

4. لإدارة subscriptions في Azure، قم بفتح صفحة Subscriptions في Azure Portal.

azure (cxsecurity)

cx-tac-rtp-fw-azure (cxsecurity) | Access control (IAM)

Subscription

Search

+ Add Download role assignments Edit

Overview

Activity log

Access control (IAM)

Tags

Add role assignment

Add custom role

Users have elevated access in your tenant. View role assignments

5. لإدارة subscriptions في Azure، قم بفتح صفحة Subscriptions في Azure Portal.

- إضافة role assignments إلى subscription.
- إزالة role assignments من subscription.
- إضافة role assignments إلى subscription.

Microsoft Azure

Home > Subscriptions > cx-tac-rtp-fw-azure (cxsecurity) | Access control (IAM)

Create a custom role

Basics Permissions Assignable scopes JSON Review + create

To create a custom role for Azure resources, fill out some basic information. [Learn more](#)

Custom role name * Multicloud Defense-controller-role

Description mcd azure test swesnitz

Baseline permissions ☐ Clone a role ☒ Start from scratch ☐ Start from JSON



،تانو ذالآ بيوبتال ةمالع سي لو ،هلإخ دإب موقت ي ذال JSON موق ي :ةظحال م
ص صخمل رودلإ لآ تانوذالآ ني عتب

6.JSON تقطوط

7.ريحت قوف رقنا

8:تاءارجالل ةعبرمل ساوقالآ لخاد هذو زمرلا ةلتك قصل

```
"Microsoft.ApiManagement/service/*",
"Microsoft.Compute/disks/*",
"Microsoft.Compute/images/read",
"Microsoft.Compute/sshPublicKeys/read",
"Microsoft.Compute/virtualMachines/*",
"Microsoft.ManagedIdentity/userAssignedIdentities/read",
"Microsoft.ManagedIdentity/userAssignedIdentities/assign/action",
"Microsoft.Network/loadBalancers/*",
"Microsoft.Network/natGateways/*",
"Microsoft.Network/networkInterfaces/*",
"Microsoft.Network/networkSecurityGroups/*",
"Microsoft.Network/publicIPAddresses/*",
"Microsoft.Network/routeTables/*",
"Microsoft.Network/virtualNetworks/*",
"Microsoft.Network/virtualNetworks/subnets/*",
"Microsoft.Resources/subscriptions/resourcegroups/*",
"Microsoft.Storage/storageAccounts/blobServices/*",
"Microsoft.Storage/storageAccounts/listkeys/action",
"Microsoft.Network/networkWatchers/*",
"Microsoft.Network/applicationSecurityGroups/*",
"Microsoft.Compute/diskEncryptionSets/read",
"Microsoft.Insights/Metrics/Read",
"Microsoft.Network/locations/serviceTagDetails/read",
"Microsoft.Network/locations/serviceTags/read",
"Microsoft.CognitiveServices/*/read",
"Microsoft.CognitiveServices/accounts/listkeys/action",
"Microsoft.Network/virtualHubs/*",
"Microsoft.Network/virtualHubs/hubRouteTables/*",
"Microsoft.MarketplaceOrdering/offertypes/publishers/offers/plans/agreements/*",
"Microsoft.Authorization/roleAssignments/read",
"Microsoft.Authorization/roleDefinitions/read"
```

Create a custom role ...

 If you change tabs and have unsaved edits, those changes will be discarded.

Basics Permissions Assignable scopes **JSON** Review + create

Here is your custom role in JSON format. [Learn more](#)

Download



Discard changes

Save

```
1 {
2   "properties": {
3     "roleName": "Multicloud Defense-controller-role",
4     "description": "mcd azure test swesnitz",
5     "assignableScopes": [
6       "/subscriptions/560f3235-2739-42bf-947e-e6ee1cc2b999"
7     ],
8     "permissions": [
9       {
10        "actions": [],
11        "notActions": [],
12        "dataActions": [],
13        "notDataActions": []
14      }
15    ]
16  }
17 }
```

 JSON. زمر ةل تكل تالودجلالوات افاسملا ةحص نم ققحت :ةظحالم

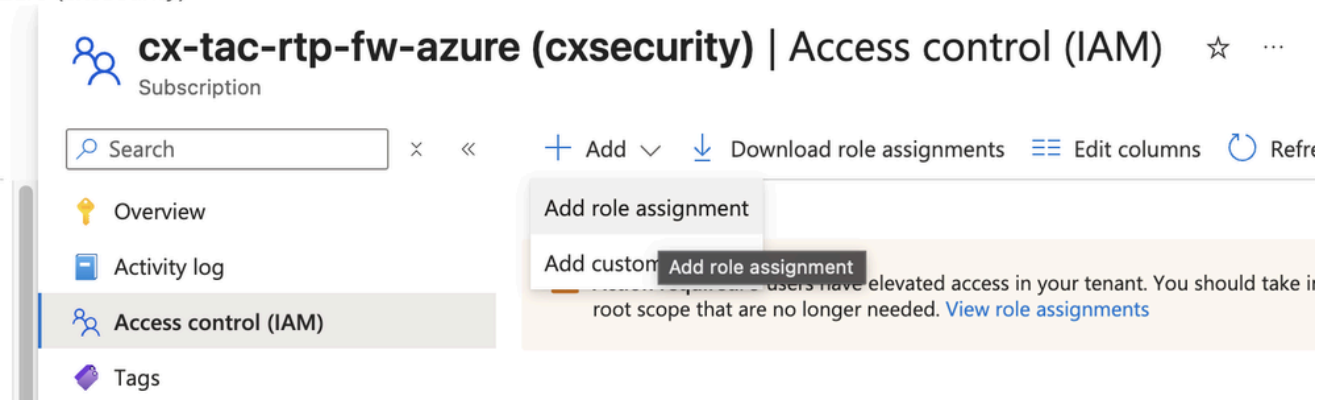
لمتكمالم رودلا فيرعت ىلع لاثم اذه

```
{
  "id": "/subscriptions/redacted/providers/Microsoft.Authorization/roleDefinitions/redacted",
  "properties": {
    "roleName": "Multicloud Defense-controller-role",
    "description": "mcd azure test swesnitz",
    "assignableScopes": [
      "/subscriptions/redacted"
    ],
    "permissions": [
      {
        "actions": [
          "Microsoft.ApiManagement/service/*",
          "Microsoft.Compute/disks/*",
          "Microsoft.Compute/images/read",
          "Microsoft.Compute/sshPublicKeys/read",
          "Microsoft.Compute/virtualMachines/*",
          "Microsoft.ManagedIdentity/userAssignedIdentities/read",
          "Microsoft.ManagedIdentity/userAssignedIdentities/assign/action",
          "Microsoft.Network/loadBalancers/*",
          "Microsoft.Network/natGateways/*",
          "Microsoft.Network/networkInterfaces/*",
          "Microsoft.Network/networkSecurityGroups/*",
          "Microsoft.Network/publicIPAddresses/*",
```

```
"Microsoft.Network/routeTables/*",
"Microsoft.Network/virtualNetworks/*",
"Microsoft.Network/virtualNetworks/subnets/*",
"Microsoft.Resources/subscriptions/resourcegroups/*",
"Microsoft.Storage/storageAccounts/blobServices/*",
"Microsoft.Storage/storageAccounts/listkeys/action",
"Microsoft.Network/networkWatchers/*",
"Microsoft.Network/applicationSecurityGroups/*",
"Microsoft.Compute/diskEncryptionSets/read",
"Microsoft.Insights/Metrics/Read",
"Microsoft.Network/locations/serviceTagDetails/read",
"Microsoft.Network/locations/serviceTags/read",
"Microsoft.CognitiveServices/*/read",
...
```

صصخم رود نيي عت

1. رود نيي عت ةفاضل قوف رقنا، (IAM) كارتشال ال لوصول في مكحتل ةحفص نم zure (cxsecurity)



2. صصخم رود عاشنل مسق في هئاشناب تمق يذال رودلا نع ثحبا

Home > Subscriptions > cx-tac-rtp-fw-azure (cxsecurity) | Access control (IAM)

Add role assignment

Role Members Conditions Assignment type Review + assign

A role definition is a collection of permissions. You can use the built-in roles or you can create your own custom roles. [Learn more](#)



Copilot can help pick a role

Job function roles Privileged administrator roles

Grant access to Azure resources based on job function, such as the ability to create virtual machines.

Search: mcd Type: All Category: All

Name ↑↓	Description ↑↓
Multicloud Defense-controller-role	mcd azure test swesnitz

Showing 1 - 1 of 1 results.

3. وأ ةعومحمل وأ مدختسمل ال نيي عت ال لوصول نيي عت كرتاوي لالتل قوف رقنا

Add role assignment

Role **Members** Conditions Assignment type Review + assign

Selected role Multicloud Defense-controller-role

Assign access to ☒ User, group, or service principal
☐ Managed identity

Members [+ Select members](#)

Name	Object ID	Type
No members selected		

Description

Optional

4.اضعألا ديدحت قوف رقنا

Add role assignment

Role **Members** Conditions Assignment type Review + assign

Selected role Multicloud Defense-controller-role

Assign access to ☒ User, group, or service principal
☐ Managed identity

Members [+ Select members](#)

Name	Object ID	Type
No members selected		

Description

Optional

5.صصخم رود عاشنا مسق يف هئاشناب تمق يذلا رودلا ةفاضاب مق

Select members



 Multi



Multicloud - Azure - RTP
Application



Multicloud Defense Controller
Application

Selected members:



Multicloud Defense Controller
Application



6. كارتشالال فرعم خسنل مٲ ،لللال قوف رقنل

Add role assignment ...

- Role
- Members
- Conditions
- Assignment type
- Review + assign

 If you changed your role or member selection, your assignment type might have changed. Please review the assignment before submitting.

Role	Multicloud Defense-controller-role		
Scope	/subscriptions/560f3235-2739-42bf-947e-e6ee1cc2b999		
Members	Name	Object ID	Type
	Multicloud Defense Controller	309bad3d-eb32-4c16-b2bb-0289b3d491f6	App
Description	No description		
Assignment type	Active		
Assignment duration	Permanent		

7. نڤي عت + ةعجارم قوف رقنا

Add role assignment ...

Role Members Conditions Assignment type Review + assign

 If you changed your role or member selection, your assignment type might have changed. Please review the assignment before submitting.

Role	Multicloud Defense-controller-role	
Scope	/subscriptions/560f3235-2739-42bf-947e-e6ee1cc2b999	
Members	Name	Object ID
	Multicloud Defense Controller	309bad3d-eb32-4c16-b2bb-0289b3d491f6
Description	No description	
Assignment type	Active	
Assignment duration	Permanent	

Review + assign

Review + assign

Previous

Next

8.مَاع َظن ىلإ لقتنا ،ىرسىلا عمئلا نم .كارتشالا ىلع مَاع َظن ةحفص رهظت
كارتشالا فرعم خسن او .

Home > Subscriptions

cx-tac-rtp-fw-azure (cxsecurity) ☆ ... [Show me recent resource deployments in this Subscription.](#) [Can you help me](#)

Subscription

Search

[Cancel subscription](#) [Rename](#) [Change directory](#) [Feedback](#)

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Security
- Resource visualizer
- Events

Essentials

Change service administrator functionality is no longer supported. [Learn more.](#) For any other issues, contact support.

Subscription ID	: 560f3235-2739-42bf-947e-e6ee1cc2b999
Directory	: cxsecurity (cxsecurity.onmicrosoft.com)
My role	: Specified access
Offer	: Enterprise Agreement
Offer ID	: MS-AZR-0017P
Parent management group	: Americas

Copy to clipboard

فصت MCD إلى Azure بإسح ةفاض إلى Azure ل ةيساسأل اابلطتم ال اامتكا إلى اذه ي دؤي MCD. لال خ نم رشنل او جم دلا ةي لمع تاءا ر إل ا هذ

MCD ب Azure بإسح لي صوت

1. SCC > Multicloud Defense إلى لقتنا



Security Cloud Control



Organization
cisco-swesnitz



Ho



Home

Products



Firewall



Multicloud Defense

Platform services



Favorites



Security Devices



Platform Management



2.ةباحسلا تاباسح عزج يف باسح ةفاضل قوف رقنا ،ةيسيئرلا تامولعمل ةحول نم

Dashboard

Cloud Accounts

Discover X

1

Cloud Accounts

1 aws

0 A

0

0

Add Account

[View More](#)

3. Azure ةنوقيأ ىلع رقنا

Select Your Cloud Account

Please select Account Type you want to set up



Close

Back

4:ةيلالاتال ميقلال لخدأ ،كب صاخلا Azure باسح ليصوت ةحفص يف

- MCD روظنم نم Azure باسح مسا : Azure باسح مسا
- قيبطت ليجست عطقم يف هظفحب تمق يذلا ليلدلا فرع م :ليلدلا فرع م
- رودلانييت مسق يف هظفحب تمق يذلا كارتشالا فرع م :كارتشالا فرع م
صصخملا
- قيبطت ليجست مسق يف هظفحب تمق يذلا قيبطتلا فرع م :قيبطتلا فرع م
- قيبطت ليجست مسق يف اهظفحب تمق يتلا ةميقلال :ليمعال رس

Connect Your AZURE Account

Prepare your cloud account for integration with Cisco Multicloud Defense Controller with following steps:

- 1 Open up [Azure Cloud Shell](#) in bash mode.
- 2 Download and execute Cisco Multicloud Defense onboarding script in the bash shell. This script creates an App Registration for Cisco Multicloud Defense Controller.
Click [here](#) to see the privilege for the App created.



[Copy](#)

```
bash <( curl -Ls https://raw.githubusercontent.com/valtix-security/cli-azure-setup/master/azure-setup.sh ) -w "https://prod1-webhook.mcd.us.cdo.cisco.com:8093/webhook/ciscoswesnitz-US_htztw/azure"
```

Azure Account Name * ⓘ

Description ⓘ

Description (optional)

Directory ID * ⓘ

Subscription ID * ⓘ

Application ID * ⓘ

Client Secret * ⓘ

[Show](#)

Cancel

[Back](#)

[Next](#)

5. (يلا لال) Next قوف رونا. اهضرعو Azure لوصاً فاشتكاب MCD موقت

Discovering Assets

Doing our magic to discover all of your assets. Please give us a minute...

1 Cloud Accounts	63 Regions	- Network ACL	- Network ACL Rules
- Application Security Groups (Azure)	- AI Inventory	- VPCs/VNets	- Subnets
- Security Groups	- Load Balancers	- Instances	- Network Interfaces
- Tags	- Route Tables	- Applications	- Certificates

Cancel

Back

Next

6. "قال غا" قوف رقنا

Success!

Now that you have added an account, you can take full advantage of our feature set to view traffic and secure your VPCs and VNETs.

Step 1

Connect Account



Connect a cloud account with the Multicloud Defense Controller

Connect Account

Step 2

Enable Traffic Visibility



Enable traffic visibility on specific VPCs to allow for more insight into the traffic in and out of your account

Enable Visibility

Step 3

Secure Your Account



Setup a Service VPC and Multicloud Defense Gateway to secure your Account

Secure Account

Close

Back

7.CSP تاساس > ةساسال ةنبل نم جردملا باسحلا ضرع نال كنكمي



Organization
cisco-swesnitz



← Platform menu

Multicloud Defense



Home



Inventory



Investigate



Policies



Infrastructure



Reports



System and Accounts



Platform services



Favorites



Security Devices



Platform Management



Infrastructure



Gateways

Gateways

Service VPCs/Vnets

Account

CSP Accounts



Profiles

Packet Capture

Log Forwarding

Metrics Forwarding

Network

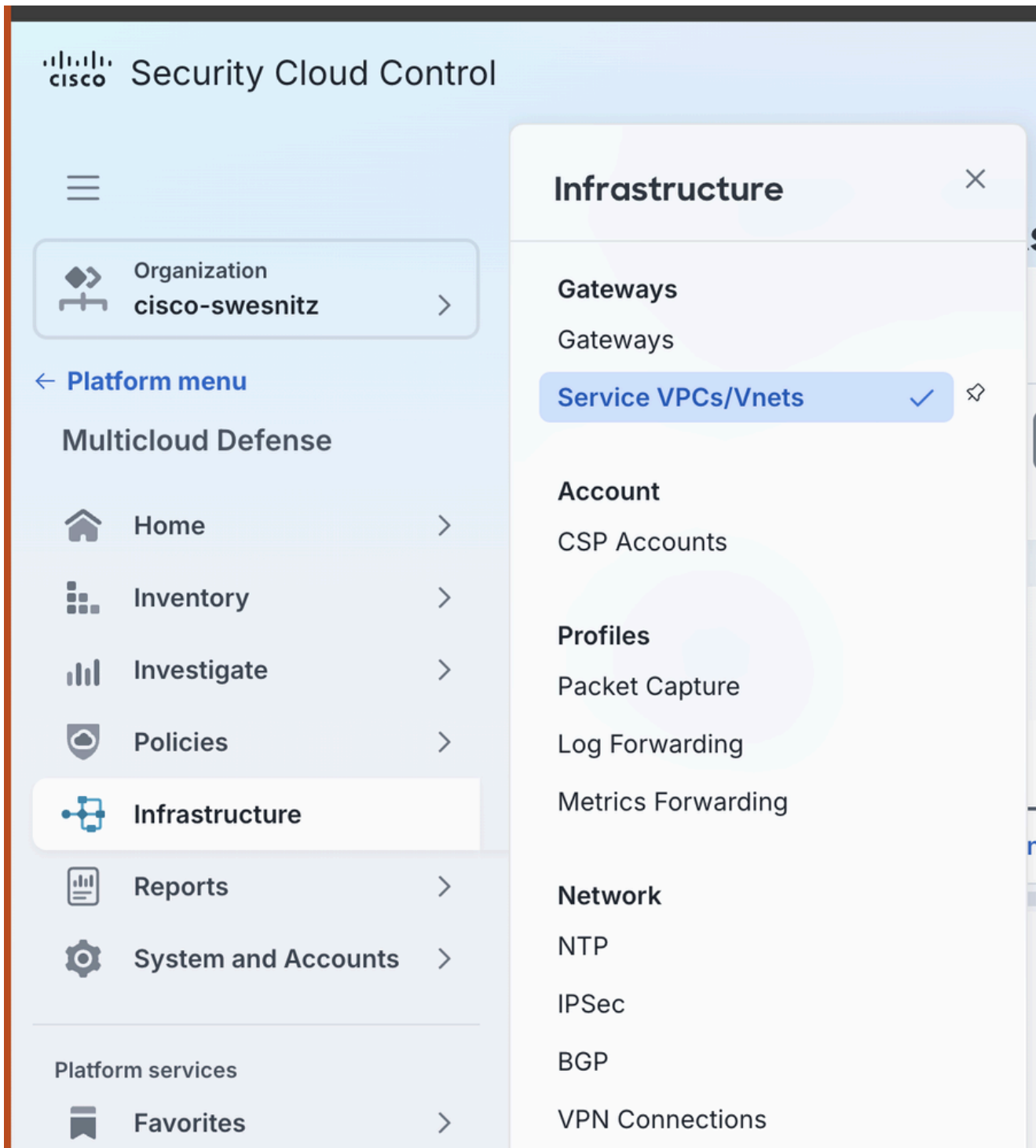
NTP

IPSec

BGP

VPN Connections

1. تم إدخال الخصائص VPC/VNs تالكبش > هي أساس الة نبل الة لقتنا



2. قلخي ةقطقط

Service VPCs/VNets: 1

Quick Filters

Advanced

Name



All Accounts



CSP Type

Create

Actions



Name



ID



Account



mcd_test_vpc-swesnitz

1

AWS-CXLABS-RTP-FW

3:ةيلاتل ميقلل لاداب مق

- هئاشناب عارجالا اذه موققي يذال VNet ل ةلوهسب هفيعرت نكمي مسا :مسالا
- FTDv ةباوبل
- MCD ب Azure باسح ليصوت مسق يف هنييعتب تمق يذال مسالا CSP باسح
- FTDv ةباوب رشن اهيف متي يتل ةقطنملا :ةقطنملا
- VNet ب ةنرتقملا لقنلا ةرابعل ةديرف IP ةلتك CIDR: ةلتك
- .ةنورملا لجا نم رفوتلا قطانم نم لقألا ىلع نيقتقطنم ددح :رفوتلا قطانم
- .ةلدسنملا ةمئاقلا نم دراوم ةعومجم عاشن + ددح :دراوملا ةعومجم
- .دراوملا ةعومجمل مسا :دراوملا ةعومجم مسا
- اهيدحتب تمق يتل ةقطنملا عم قفاوتت يتل ةقطنملا :دراوملا ةعومجم ةقطنم
- .ةقطنملا
- .ظفح قوف رقنا

Create Service VPC



Name * ⓘ

mcd_azure_vnet



CSP Account * ⓘ

cx-tac-rtp-fw-azure



Region * ⓘ

East US eastus



CIDR Block * ⓘ

10.4.0.0/16



Availability Zones * ⓘ



1



2



3

Resource Group *

+ Create Resource Group



Resource Group Name *

mcd_swesnitz



Resource Group Region *

East US eastus



Use NAT Gateway ⓘ

vWAN Attachment



Enable vWAN Attachment

Cancel

Save

4. حاجن قلاسر رهظت



Success

Service VPC/VNet created successfully.

OK

تاكبش > عماع قرطن اكبش > ساسأ اكبش ىلإ لقتنا ،بناج Azure لآ نم VNet لآ قلخ تدكأ
ةيرهاظ.

Home > Network foundation

Network foundation | Virtual Network overview

Preview

Search

- Overview
- Virtual network
 - Virtual Network overview**
 - Virtual networks
 - NAT gateways
 - Public IP addresses
 - Network interfaces
 - Network security groups
 - Application security groups

Virtual network

Network foundation

Service to provision private networks. Build an isolated, secure environment to run virtual machines (VMs) and applications.

- ✓ Enhanced security through isolated, secure environments.
- ✓ Flexible, scalable without physical changes.
- ✓ Secure connectivity across Azure regions

[Learn more](#)

[Create](#) [View resources](#)

Connectivity

Home > Network foundation

Network foundation | Virtual networks

Preview

Search

[+ Create](#) [Manage view](#) [Refresh](#) [Export to CSV](#) [Open query](#)

Subscription equals all Resource Group equals all

☐	Name ↑	
☐	mcd_test_vnet-swesnitz	...

اهئاشنإ درجمب ةطشن ةلاح ىلإ VNet لقتني

Create

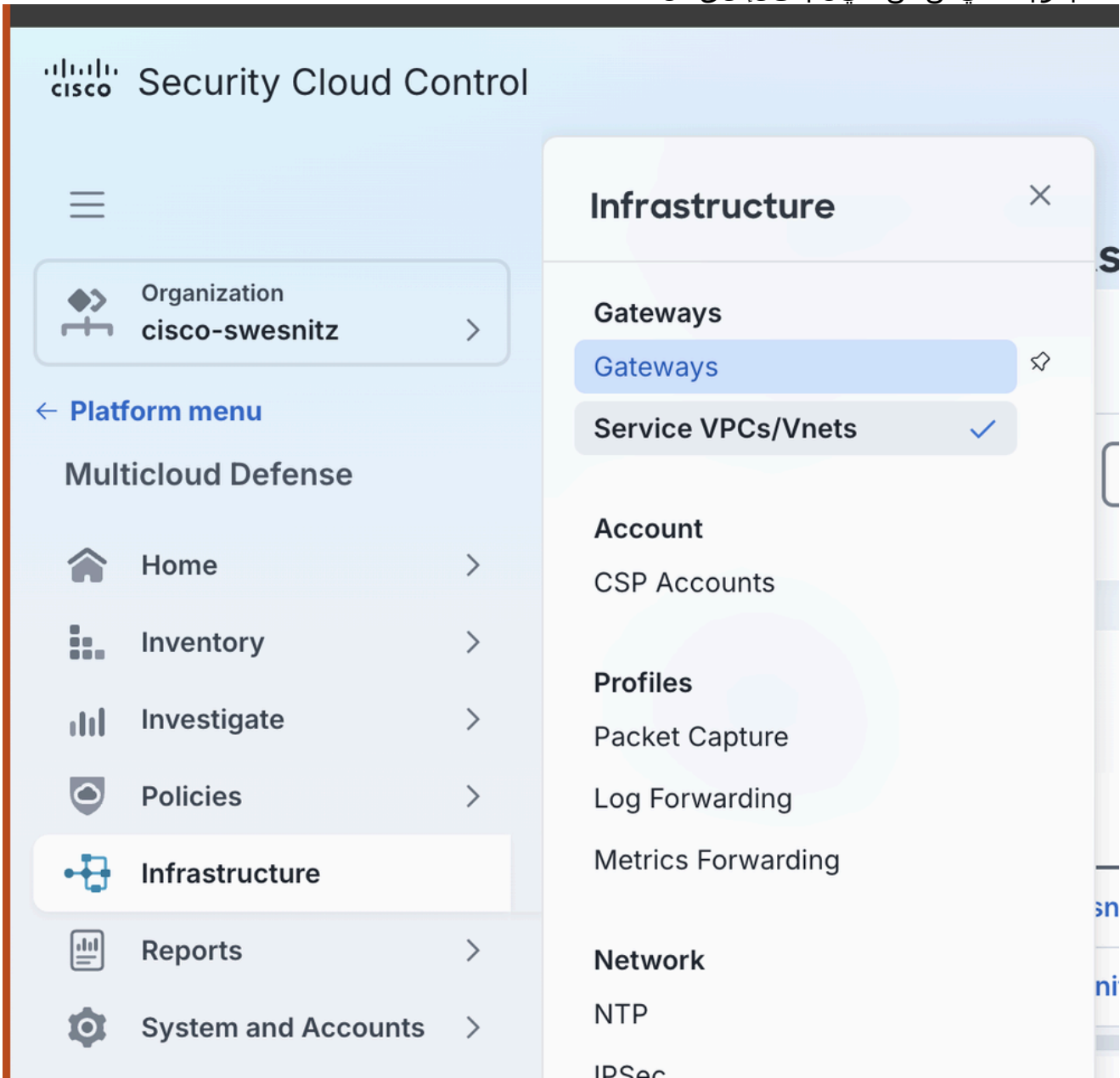
Actions

Refresh

☐	Name	ID	Account	CSP Type	Region	State
☐	mcd_test_vnet-swesnitz	2	cx-tac-rtp-fw-azure	AZURE	eastus	ACTIVE

Azure MCD FTDv ةباوب ءاشنإ

1. ت.اباوب > ةيساسأ ةينب ىلإ لقتنا



2. لخدم فيضي ةق طوط



Organization
cisco-swesnitz

>

[← Platform menu](#)

Multicloud Defense

[Home](#)

Inventory



Investigate



Policies



Infrastructure



Gateways: 1

Quick Filters

Advanced

Name



CSP Account

Add Gateway

Actions



Recommended

Name 

State ▼

3:ةيلاتلا ميقلاب لاداب مق

- مسق ي ف هطرب تمق يذلا Azure باسح دح ،ةلدسنم ةمئاقلا نم :تاباسحلا MCD ب Azure باسح ليصوت
- FTDv ةباوب دح :ةباوبلا عون
- FTDv ةباوبلا ةلوهسب هيلع فرعتلا نكمي مسا :مسالا
- كئئيبلا بسانملا ليثمل عون :ليثملا عون
- ةلدسنملا ةمئاقلا نم لقلال يلع دحاو ليثم دح :تاليثملا لقا
- FTDv تاليثم نم ىصقألا دحلل بولطملا ددعلا :تاليثملا لىصقألا دحلا
- 10 وه هب حومسملا لىصقألا دحلا .كئئيبلا
- ةمقلا هذه دننتمسمل اذه ريغي ال 65534 وه يضارثفالا :HealthCheck ذفنم

Create Gateway



Gateway Information

Gateway Details

Advanced Settings

Review

Properties

Accounts * ⓘ

cx-tac-rtp-fw-azure



Gateway Type *

FTDv Gateway



Name * ⓘ

mcd-azure-lab



Description

Optional

Instance Type * ⓘ

8 Virtual CPU | AZURE_D8S_V5



Minimum Instances * ⓘ

1



Maximum Instances * ⓘ

3



HealthCheck Port * ⓘ

65534



Cancel

Next

ددعت م عافدلا لمح نزاوم هم دختسي يذلا ذفنملا مقرر وه HealthCheck Port: عطاالم
مت يتي DataPath نامأ تاعومجم حمست نأ بجي .تاليثملا ةحص نم ققحتلل ةباحسلا
ذفنملا اذه ىلع تانايبلا رورم ةكرب تاليثملا ىلإ انه يتي

4:ةيلاتلا ميقيلا لاخدا بمق

- برغ-قرش وأ جرخم ددح: صئاصخ
- ةئيبلا ةمءالم رثكألا جمانربلا رادصا: FTDv رادصا
- ةعومجم ىلع هقيبطت بولطملا (ACP) لوصولا ي فمكتللا جهن: ةسايسلا دعاوق
هذه FTDv.

- Create Gateway

Security * ⓘ

East West × ▾

FTDv Version *

10.0.0 × ▾

Policy Ruleset * ⓘ

Default Access Control Policy × ▾

FTDv

Admin Password

..... × Show

Password Requirements:

 - ✓ Must be between 12 and 72 characters long
 - ✓ Use lowercase and uppercase characters, and numbers
 - ✓ At least one special character (excluding \ and -)
 - ✓ No more than 2 repeating or sequential characters

License Model ⓘ

Smart Licensing

Multicloud Defense

Performance Tier * ⓘ

FTDv20 ▾

License Types * ⓘ

Base × ▾

Location

Region *

East US eastus × ▾

VPC/VNet ID * ⓘ

mcd_test_vnet-swesnitz | mcd_test_vnet-swesnitz × ▾

Key Selection

Cancel

Back

Next

```

root@cloud-shell-session-will-be-ephemeral:~# ssh-keygen -t rsa -b 2048
Generating public/private rsa key pair.
Enter file in which to save the key (/home/shelby/.ssh/id_rsa):
Created directory '/home/shelby/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/shelby/.ssh/id_rsa
Your public key has been saved in /home/shelby/.ssh/id_rsa.pub
The key fingerprint is:

```

6. دراومل تا عومچمو SSH ل ماعل حات فملا میق ل خدأ

Create Gateway



Key Selection

SSH Public Key

SSH Key Pair

SSH Public key *

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQChvS1gyD
Kk+X6zGCgM3AxV3iPcxZIF7QtWB7WiagDgo+IRKcH
cPNUofBzsgvIOSuP1mYf6LZQp6Xdhk/9UG6Cq6R0O
IXvmuK/DY2LlcDm/B0CFeww/cKCMToG6Qgx8IK/M
```

Resource Groups *

mcd_swesnitz | eastus



User Assigned Identity ID ⓘ

Enter User Assigned Identity ID

Mgmt. Security Group * ⓘ

mcd_test_vnet-swesnitz-mgmt-sg | mcd_swesnitz



Datapath Security Group 1 * ⓘ

mcd_test_vnet-swesnitz-datapath-sg | mcd_sw...



Datapath Security Group 2 *

mcd_test_vnet-swesnitz-second-datapath-sg | ...



Disk Encryption * ⓘ

Azure managed encryption



Instance Details

You can only modify availability zones for gateways deployed in edge mode for GCP, Azure, and OCI environments

Availability Zone



Mgmt. Subnet



Datapath Subnet 1

Datapath Subnet 2

1



mcd test vnet-



mcd test vne-



mcd test vne-



Cancel

Back

Next

7. الالات قوف رقنا مٲ ،ماعال IP لى طعتب مق

Create Gateway



Public IP

☒ Disable Public IP

8.اهدی دحتب تمق یتل میقلل ةفاک عجار

Create Gateway



Gateway Information Edit

Name	mcd-azure-lab
Gateway Type	FTDv Gateway
Min Instances	1
Max Instances	3
HealthCheckPort	65534
Policy Ruleset ID	Default Access Control Policy
Property	East West
Instance Type	AZURE_D8S_V5
FTDv Version	10.0.0

Gateway Details Edit

License Model	Smart Licensing
Performance Tier	FTDv20
License Type	Base
Region	eastus
VPC/VNet ID	mcd_test_vnet-swesnitz mcd_test_vnet-swesnitz
SSH Public Key	ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQChvSIgyDr
Resource Groups	mcd_swesnitz
Mgmt. Security Group	mcd_test_vnet-swesnitz-mgmt-sg
Datapath Security Group 1	mcd_test_vnet-swesnitz-datapath-sg
Datapath Security Group 2	mcd_test_vnet-swesnitz-second-datapath-sg

Cancel

Back

Finish

9.ءاهان قوف رقنا ،دراومال لي محت ءاهان او مي قلال ءءارم ءعب

Create Gateway



Performance Tier	FTDv20
License Type	Base
Region	eastus
VPC/VNet ID	mcd_test_vnet-swesnitz mcd_test_vnet-swesnitz
SSH Public Key	ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQChvSlgyDh
Resource Groups	mcd_swesnitz
Mgmt. Security Group	mcd_test_vnet-swesnitz-mgmt-sg
Datapath Security Group 1	mcd_test_vnet-swesnitz-datapath-sg
Datapath Security Group 2	mcd_test_vnet-swesnitz-second-datapath-sg
EBS Encryption	AZURE EBS encryption key

Instance Details

Availability Zone	Mgmt. Subnet	Datapath Subnet 1	Datapath Subnet 2
1	mcd_test_vnet-swesnitz-mgmt-1	mcd_test_vnet-swesnitz-datapath-1	mcd_test_vnet-swesnitz-second-datapath-1
2	mcd_test_vnet-swesnitz-mgmt-2	mcd_test_vnet-swesnitz-datapath-2	mcd_test_vnet-swesnitz-second-datapath-2

Recommendations

loading...

Resources Info



loading...

Advanced Settings Edit

Disable Public IP enabled

Cancel

Back

Finish

دراومال لي محت درج م ب تامول عمل ا حول ضرع ق ي رط .

Instance Details

Availability Zone	Mgmt. Subnet	Datapath Subnet 1	Datapath Subnet 2
1	mcd_azure_vnet-mgmt-1	mcd_azure_vnet-datapath-1	mcd_azure_vnet-second-datapath-1
2	mcd_azure_vnet-mgmt-2	mcd_azure_vnet-datapath-2	mcd_azure_vnet-second-datapath-2

Resources Info



Resource	Limit	In Use	Min Usage for Gateway	Max Usage for Gateway	Recommendation
Private IPs in Subnets	254	0	1	3	
Elastic IPs	1000	51	1	3	
Load Balancers	1000	8	1	1	
Instances	25000	31	2	6	
Virtual CPUs	350	0	16	48	

Advanced Settings

[Edit](#)**Disable Public IP**

enabled

قوابل رشنل تامولعمل ةحول ضرع

Create Gateway



Deploying FTDv gateway

Creating your FTDv Gateway



OK.10. قوف رقناو. حاجن ةلاسر رهظت ،عاشنإل يف قوابل أدبت نأ دعب

✓ Success

Successfully created.

OK

نېك مټ ؤالاحال ضرعت ،MCD تامولعم ؤحول نم

☐ mcd-azure-lab ● ENABLING ↺ **i** 10.0.0 ✓ Updated [Default Access Control Polic](#)

تالېثملاو صخلملا تابي وېت نم ؤالاحال ؤبقارم

Details

EditActions ▾

×

Summary

Cloud Details

Interfaces

Instances

Settings

Troubleshooting

Terraform

Name	mcd-azure-lab
State	ENABLING
Description	
Instance Type	AZURE_D8S_V5
Type	FTDv Gateway
Min/Max Instances	1 / 3
Mode	HUB
Security Type	East West
Policy Rule Set	Default Access Control Policy
FTDv Version	10.0.0 
License Model	Smart Licensing
Performance Tier	FTDv20
License Types	Base
Date Created (Local)	2026-09-15 16:22:37.053
Last Modified (Local)	2026-09-15 16:23:32.156

ح.ح.ص ل.ك.ش ب ن ي و ك ت ل ا ل م ع د ي ك ا ت ل م س ق ل ا ا ذ ه م د خ ت س ا

Home > Compute infrastructure

Compute infrastructure | Virtual machines

Microsoft

Search

Virtual machines Get started

Overview All resources Infrastructure Virtual machines

Virtual Machine Scale Set (VMSS) Compute Fleet

Create Reservations Manage view Refresh Export to CSV Open query Assign tags Start Restart Stop Delete Services Group by no

Filter: mcd Subscription equals all Type equals all Resource Group equals all Location equals all Add filter

Name	Subscription	Resource Group	Location	Status	Operating system	Size	Public IP address	Disks	Update status
cx-tac-rtg-fw-a...	cx-tac-rtg-fw-a...	MCD_SWESNITZ	East US	Creating	Linux	Standard_D8s_v5	-	1	Enable periodic ...
cx-tac-rtg-fw-a...	cx-tac-rtg-fw-a...	MCD_SWESNITZ	East US	Creating	Linux	Standard_D8s_v5	-	1	Enable periodic ...

SummaryCloud DetailsInterfacesInstancesSettingsTroubleshootingTerraform

Availability Zone	Number of Instances
1	1
2	1

AVAILABILITY ZONES DETAILS

Refresh

Instance: 1

Instance Actions

Instance ID

/subscriptions/560f3235-2739-42bf-947e-e6ee1cc2b999/resourceGroups/mcd_swesnitz/providers/Microsoft.Compute/virtualMachines/ciscomcd-mcd-azure-lab-psprorne

Instance Name

ciscomcd-mcd-azure-lab-psprorne

Datapath Private IP

Datapath 2 Private IP

Datapath 2 Public IP

-

Mgmt Private IP

-

Mgmt Public IP

-

State

● INIT

Created

2026-09-15 16:26:05.711 (LOCAL)

Last Heartbeat

NA

Image Version

10.0.0

Policy Updates

Please check cdFMC for policy update status.

قلمص تاذا تامولعم

- [VNet و أمةمدخ VPC عاشنا](#)
- [FTDv لمأكت عارچا](#)
- [قرابل ل قيساس ألاتابل طتمل انيوكت](#)
- [Multicloud Defense ل Azure ىلع قماع قرظن](#)
- [همادختساو Azure ىف Linux VMs ل صاخ-ماع SSH حيتافم جوز عاشنا ب مق](#)
- [Cisco Systems - تادنت سمل او ينقتلا معدلا](#)

ةمچرتل هذه ل و ح

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