

使用模板从Azure应用商店部署FDM VM

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简介

本文档介绍使用Azure应用商店和模板在虚拟机上部署Cisco Secure Firewall Threat Defense Virtual (FDM)。

先决条件

要求

Cisco 建议您了解以下主题：

- 思科安全防火墙管理中心(FMC)
- 思科安全防火墙威胁防御(FTD)
- Azure帐户/访问权限

使用的组件

本文档中的信息基于以下软件版本：

- 思科安全防火墙威胁防御虚拟版本：7.4.1、7.3.1、7.2.7、7.1.0、7.0.6和6.4.0

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您的网络处于活动状态，请确保您了解所有命令的潜在影响。

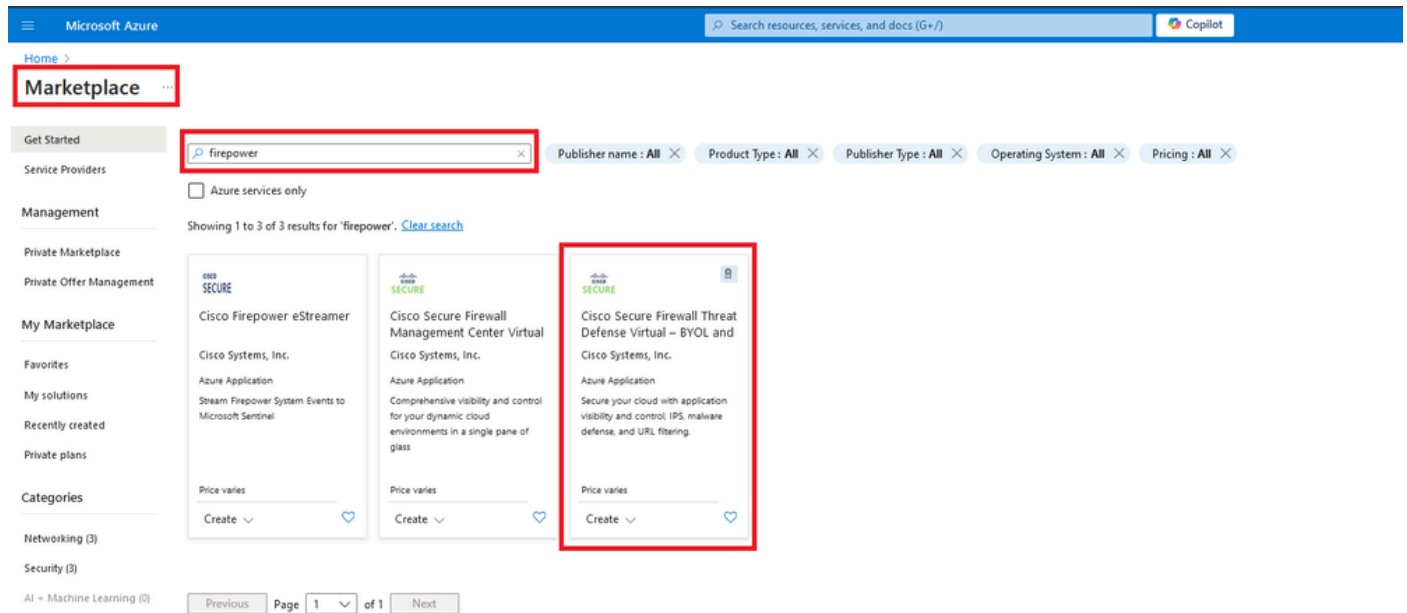
配置

客户在尝试从Azure在虚拟机上部署Firepower设备管理器(FDM)时遇到问题，特别是在使用Azure应用商店和模板时。

从Azure门户上的模板部署FDM

要从Azure门户部署FDM，请使用以下步骤：

1. 导航到Azure门户并在Azure服务中找到市场。搜索并选择Cisco Secure Firewall Threat Defense Virtual - BYOL and PAYG。



搜索Firepower并选择Cisco Secure Firewall Threat Defense Virtual - BOM

2. 单击创建以开始FTD的配置过程。

Home > Marketplace >

Cisco Secure Firewall Threat Defense Virtual – BYOL and PAYG

Cisco Systems, Inc.



Cisco Secure Firewall Threat Defense Virtual – BYOL and PAYG [Add to Favorites](#)

Cisco Systems, Inc. | Azure Application

★ 4.0 (2 ratings)

Microsoft preferred solution

Plan

Cisco Secure Firewall Threat Defense...

Create

- Leverage Azure Traffic Manager for highly scalable remote access VPN
- Integrate with Azure Transit VNet for scalable inter-VNet traffic

Cisco Talos® Threat Intelligence is included, protecting against known and unknown threats from one of the world's largest commercial threat intelligence teams.

[Learn more](#)

*Forrester Total Economic Impact of Cisco Secure Firewall, 2022. www.cisco.com/go/firewallTEI

More products from Cisco Systems, Inc. [See All](#)

| | | | |
|---|--|--|--|
| Cisco Meraki vMX Cisco Systems, Inc. Azure Application A Cisco Meraki Virtual MX to connect your Meraki network to your Azure deployments. Starts at Free Create | Cisco Catalyst 8000V Edge Software (PAYG) Cisco Systems, Inc. Virtual Machine Deploy and manage enterprise-class networking services and VPN technologies for the Azure cloud. Starts at \$2.53/hour Create | Cisco Catalyst 8000V Edge Software - Solution Cisco Systems, Inc. Azure Application Deploy and manage enterprise-class networking services and VPN technologies for the Azure cloud. Price varies Create | Cisco Nexus Dashboard Cisco Systems, Inc. Azure Application Simplified, centralized data center dashboard makes it easier to manage your hybrid cloud network. Price varies Create |
|---|--|--|--|

从Azure门户创建VM

3. 在“基本配置”页中，为设备创建资源组，选择区域，然后为VM选择名称。

Create Cisco Secure Firewall Threat Defense Virtual – BYOL and PAYG ...

Basics Cisco FTDv settings Review + create

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ

Resource group * ⓘ

Instance details

Region * ⓘ

Virtual Machine name * ⓘ

Licensing ⓘ

Software Version ⓘ

A resource group is a container that holds related resources for an Azure solution.

Name *

创建新资源组

4. 从可用选项中选择VM部署所需的版本。

Software Version ⓘ

Availability Option * ⓘ

Username for primary account (not the FTDv admin user account) * ⓘ

Authentication type * ⓘ

7.4.1-172

7.4.1-172

7.3.1-19

7.2.7-500

7.1.0-92

7.0.6-236

6.4.0-110

可在Azure Market上部署的版本

5. 为主帐户设置用户名，选择密码作为身份验证类型，然后设置VM访问密码和管理密码。

[Home](#) > [Marketplace](#) >

Create Cisco Secure Firewall Threat Defense Virtual – BYOL and PAYG

[Basics](#) [Cisco FTDv settings](#) [Review + create](#)

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

| | |
|--------------------|----------------------------|
| Subscription * ⓘ | fw-azure |
| Resource group * ⓘ | (New) FDM |
| | Create new |

Instance details

| | |
|--------------------------|--|
| Region * ⓘ | East US |
| Virtual Machine name * ⓘ | fdm |
| Licensing ⓘ | BYOL : Bring-your-own-license |
| Software Version ⓘ | 7.4.1-172 |
| Availability Option * ⓘ | <input checked="" type="radio"/> None <input type="radio"/> Availability Zone |

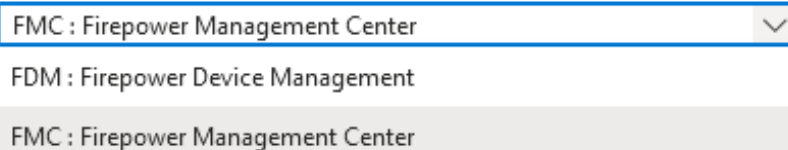
| | |
|--|---|
| Username for primary account (not the FTDv admin user account) * ⓘ | <input type="password"/> |
| Authentication type * ⓘ | <input checked="" type="radio"/> Password <input type="radio"/> SSH Public Key |
| Password * ⓘ | <input type="password"/> |
| Confirm password * | <input type="password"/> |
| Admin Password * ⓘ | <input type="password"/> |
| Confirm Admin Password * ⓘ | <input type="password"/> |
| FTDv Management * ⓘ | FDM : Firepower Device Management |

用户名和管理员密码。

6. 对于管理类型，为本文档选择FDM。

FTDv Management * ⓘ

Enter FMC registration information * ⓘ



FMC : Firepower Management Center

FDM : Firepower Device Management

FMC : Firepower Management Center

管理设备。

7. 在思科FTDv设置选项卡中，查看完成基本配置后默认创建的VM大小、存储帐户、公共IP地址和DNS标签。

确保虚拟网络、管理子网和其他以太网设置正确。

Create Cisco Secure Firewall Threat Defense Virtual – BYOL and PAYG ...

Basics Cisco FTDv settings Review + create

Virtual machine size * ⓘ

1x Standard D3 v2
4 vcpus, 14 GB memory
[Change size](#)

Storage account * ⓘ

(new) [redacted]8b089e65
[Create New](#)

Public IP address ⓘ

(new) [redacted]-pip
[Create new](#)

DNS label ⓘ

[redacted]:352e65c ✓

.eastus.cloudapp.azure.com

Attach diagnostic interface * ⓘ

No
 Yes

Virtual network ⓘ

(New) vnet01 [redacted]FDM [redacted]
[Edit virtual network](#)

Management subnet * ⓘ

(New) subnet1
[Edit subnet](#) 172.18.0.0 - 172.18.0.255 (256 addresses)

GigabitEthernet 0/0 subnet * ⓘ

(New) subnet2
[Edit subnet](#) 172.18.1.0 - 172.18.1.255 (256 addresses)

GigabitEthernet 0/1 subnet * ⓘ

(New) subnet3
[Edit subnet](#) 172.18.2.0 - 172.18.2.255 (256 addresses)

Public inbound ports (mgmt. interface) * ⓘ

None
 Allow selected ports

i All traffic from the Internet will be blocked by default. You will be able to change inbound port rules in the VM Networking page later.

思科FTDv设置。

8. 选择Allow selected Port以启用端口SSH (22)、SFTunnel (8305)和HTTPS (443) , 从而通过HTTPS访问虚拟机并将设备迁移到FMC的SFTunnel端口。

Virtual network ⓘ (New) vnet01 FDM

Management subnet * ⓘ (New) subnet1
172.18.0.0 - 172.18.0.255 (256 addresses)

GigabitEthernet 0/0 subnet * ⓘ (New) subnet2
172.18.1.0 - 172.18.1.255 (256 addresses)

GigabitEthernet 0/1 subnet * ⓘ (New) subnet3
172.18.2.0 - 172.18.2.255 (256 addresses)

Public inbound ports (mgmt. interface) * ⓘ None Allow selected ports

Select Inbound Ports (mgmt. interface) * ⓘ 3 selected

- SSH (22)
SSH: ssh connectivity to the VM.
- SFTunnel (8305)
SFTunnel: [FMC Management]: default tcp port 8305: management center and managed device(s) communication.
- HTTPS (443)
HTTPS: [FDM Management]: FDM UI accessibility.

⚠ Selected ports will be open for access from the Internet. See the Networking page later.

Cisco FTDv上允许的端口

验证虚拟机的配置

9. 在审核+创建选项卡中审核配置并创建虚拟机。

Create Cisco Secure Firewall Threat Defense Virtual – BYOL and PAYG

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TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

| | |
|--------------------------|---|
| Name | <input type="text"/> |
| Preferred e-mail address | <input type="text" value="@cisco.com"/> |
| Preferred phone number | <input type="text"/> |

Basics

| | |
|--|---------------------------------------|
| Subscription | <input type="text" value="fw-azure"/> |
| Resource group | <input type="text" value="FDM"/> |
| Region | East US |
| Virtual Machine name | <input type="text" value="fdm"/> |
| Licensing | BYOL : Bring-your-own-license |
| Software Version | 7.4.1-172 |
| Availability Option | None |
| Username for primary account (not the ...) | <input type="text"/> |
| Password | ***** |
| Admin Password | ***** |
| FTDv Management | FDM : Firepower Device Management |

Cisco FTDv settings

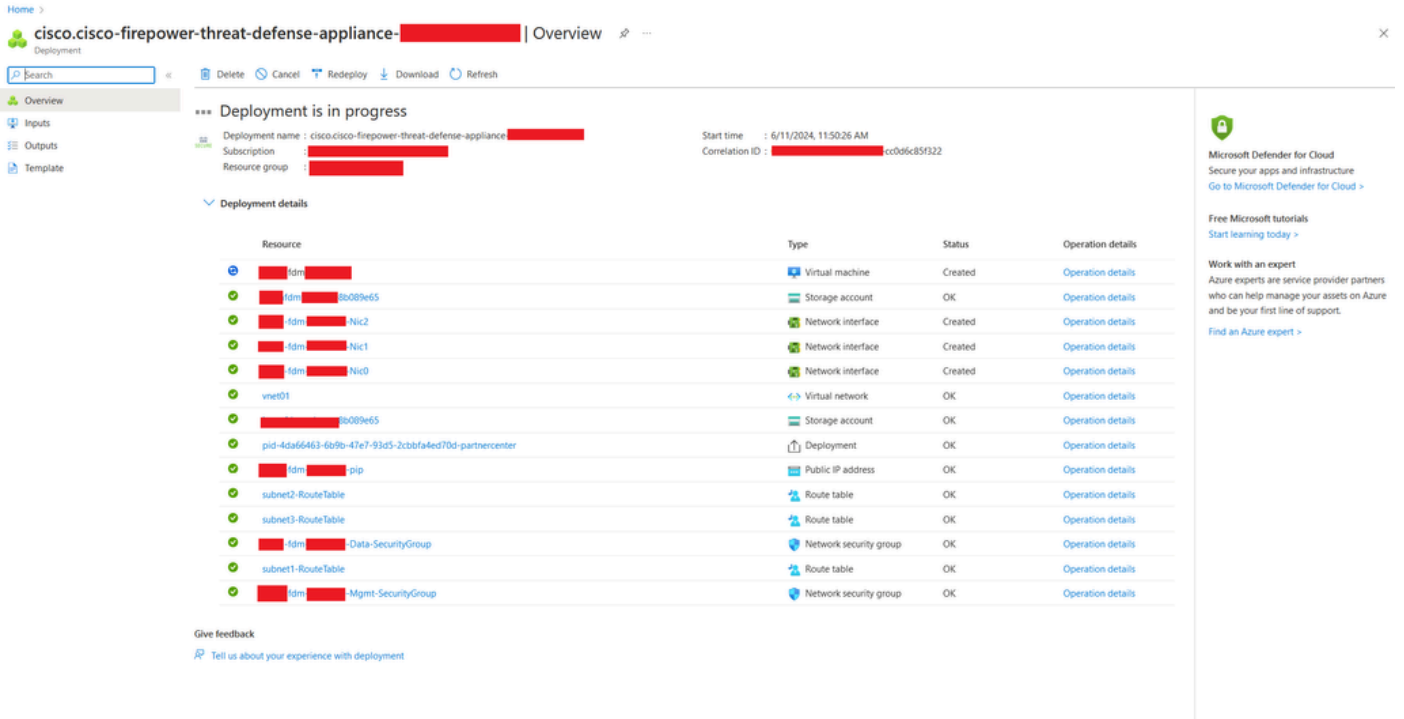
| | |
|-----------------------------|--|
| Virtual machine size | Standard_D3_v2 |
| Storage account | <input type="text" value="8b089e65"/> |
| Public IP address | <input type="text" value="fdm- -pip"/> |
| Domain name label | <input type="text" value="-fdm- -c352e65c"/> |
| Attach diagnostic interface | No |

| | |
|---|--|
| Virtual network | vnet01 |
| Management subnet | subnet1 |
| Address prefix (Management subnet) | 172.18.0.0/24 |
| GigabitEthernet 0/0 subnet | subnet2 |
| Address prefix (GigabitEthernet 0/0 su... | 172.18.1.0/24 |
| GigabitEthernet 0/1 subnet | subnet3 |
| Address prefix (GigabitEthernet 0/1 su... | 172.18.2.0/24 |
| Public inbound ports (mgmt. interface) | Allow selected ports |
| Select Inbound Ports (mgmt. interface) | SSH (22), SFTunnel (8305), HTTPS (443) |

审核并创建。

此时，我们可以提交VM创建。

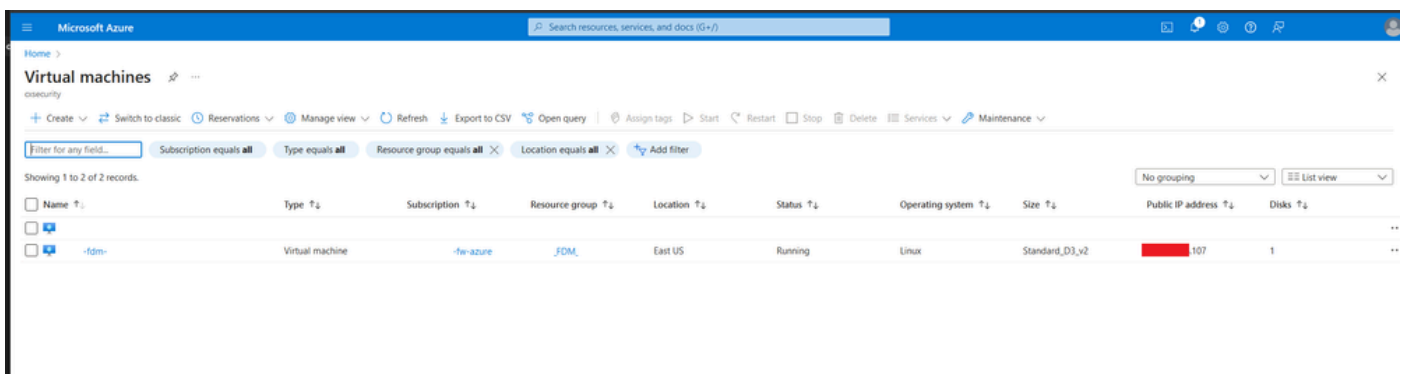
10. 在概述选项卡中监视部署进度，此选项卡上的消息指示部署正在进行。



正在部署。

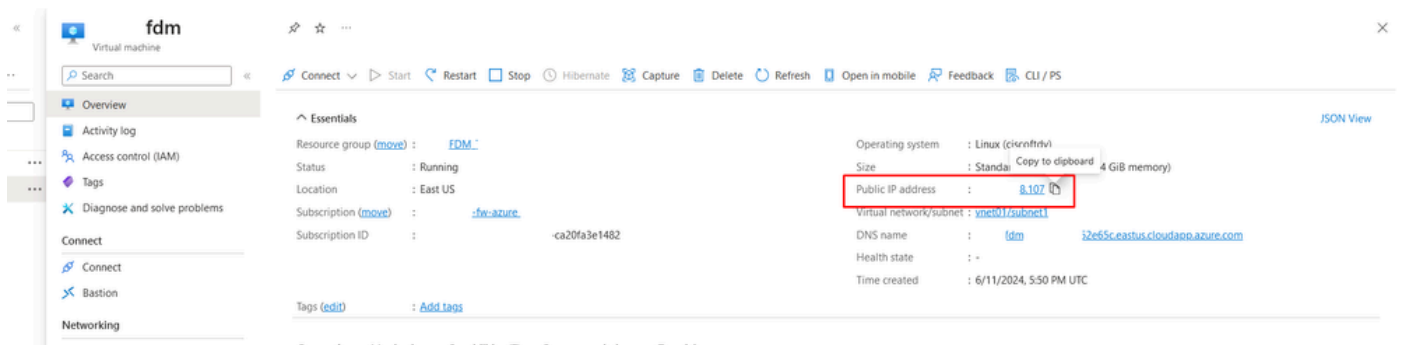
检查在Azure上部署的VM

11. 创建虚拟机后，在虚拟机部分中查找该虚拟机，找出其特性和分配的公共IP地址。



虚拟机位置

12. 使用浏览器导航到设备的IP地址并开始初始配置FDM。

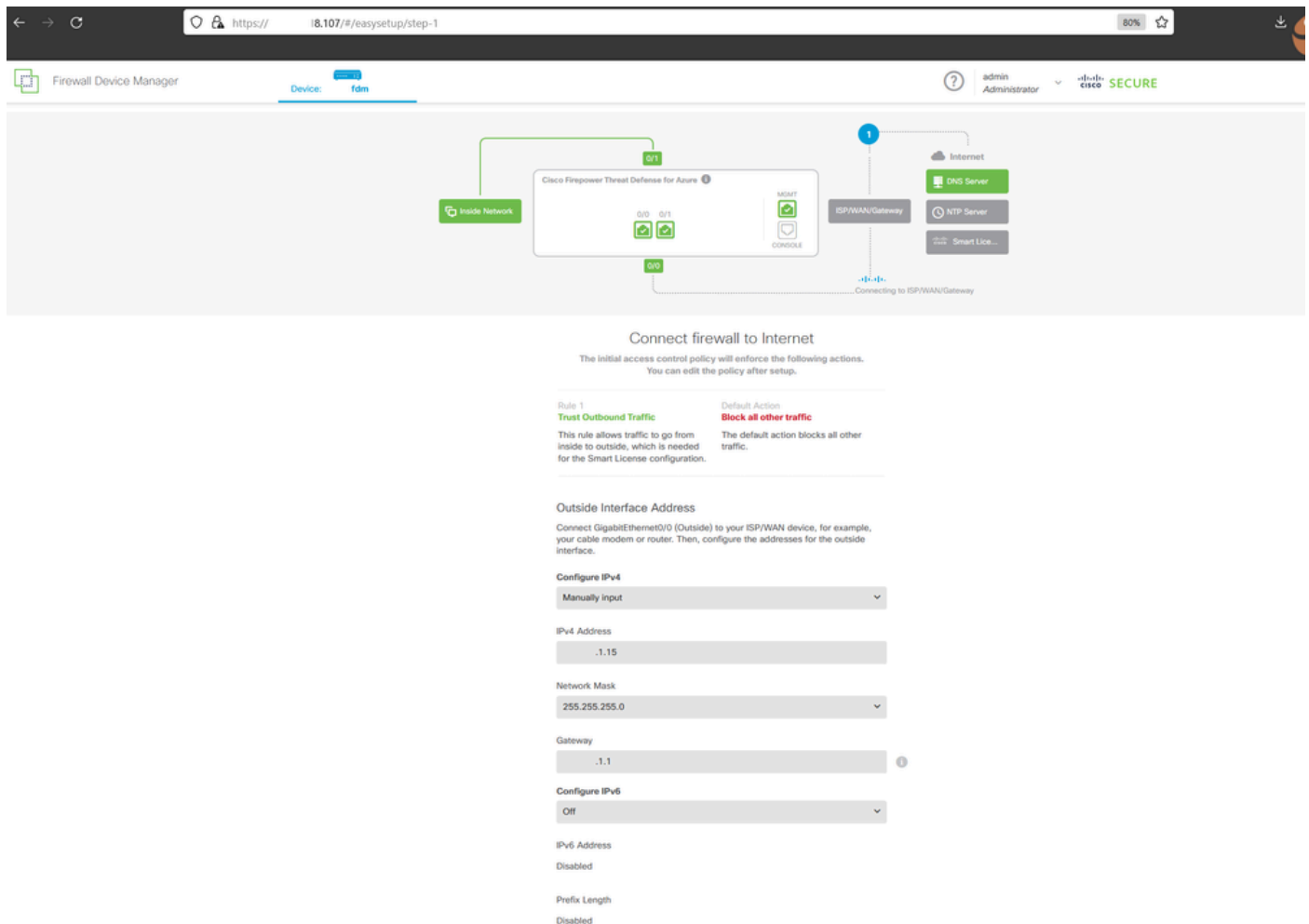


FDM的公共IP

FDM的基本配置

13. 配置基本设置，方法是选择指定范围内的IP，设置NTP，并使用许可证注册设备。

您可以在此处找到[FDM初始配置](#)的文档。



FDM的基本配置

14. 注册设备后，确保不保留任何待处理的部署。

Pending Changes



There are no Pending Changes yet.

Nothing to deploy.

Last successful deployment was on **12 Jun 2024 07:49 AM**.

You can see what was deployed in previous jobs in the [Deployment History](#).

OK

关于此翻译

思科采用人工翻译与机器翻译相结合的方式将此文档翻译成不同语言，希望全球的用户都能通过各自的语言得到支持性的内容。

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