Debug: Deploy FDM VM from Azure Marketplace Using Template document in scratch

Contents

Introduction

This document describes deployment of Cisco Secure Firewall Threat Defense Virtual (FDM) on a virtual machine using Azure Marketplace and templates.

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- Cisco Secure Firewall Management Center (FMC)
- Cisco Secure Firewall Threat Defense (FTD)
- Azure Account/Access

Components Used

The information in this document is based on these software versions:

- Cisco Secure Firewall Threat Defense Virtual versions: 7.4.1, 7.3.1, 7.2.7, 7.1.0, 7.0.6, and 6.4.0

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

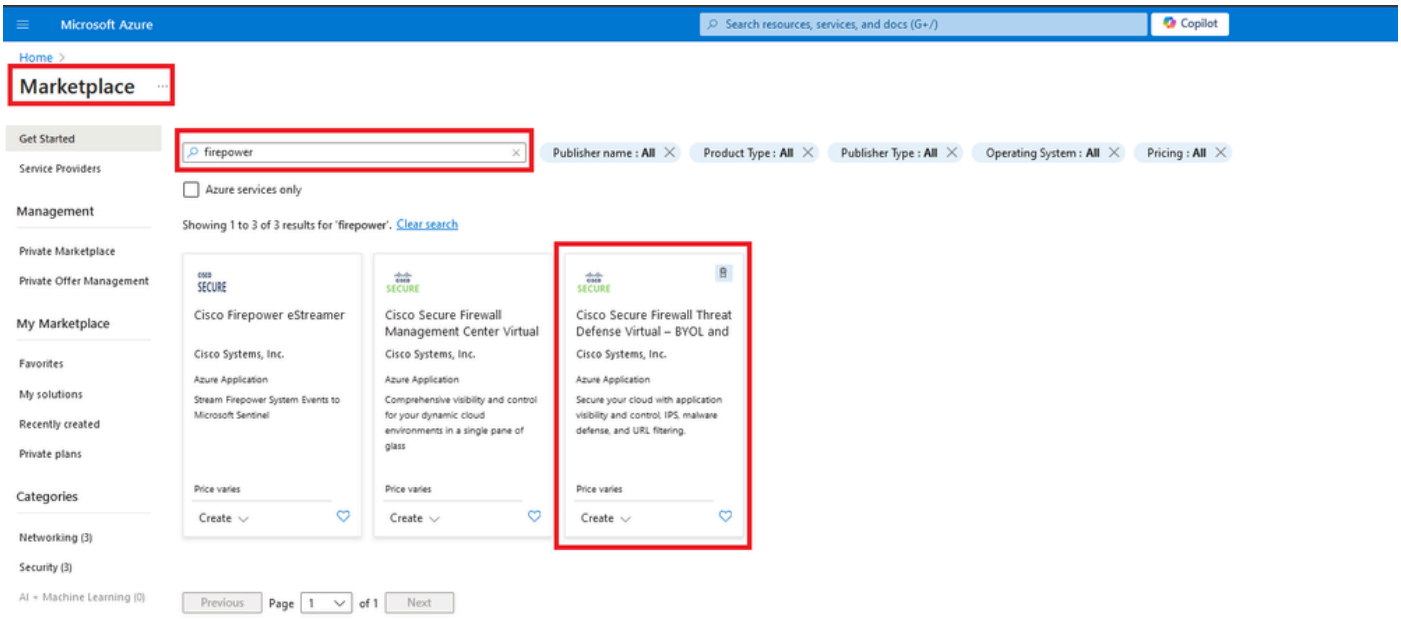
Configure

Customers have encountered issues when attempting to deploy a Firepower Device Manager (FDM) on a virtual machine from Azure, specifically when using the Azure Marketplace and templates.

Deploy FDM from Template on Azure Portal

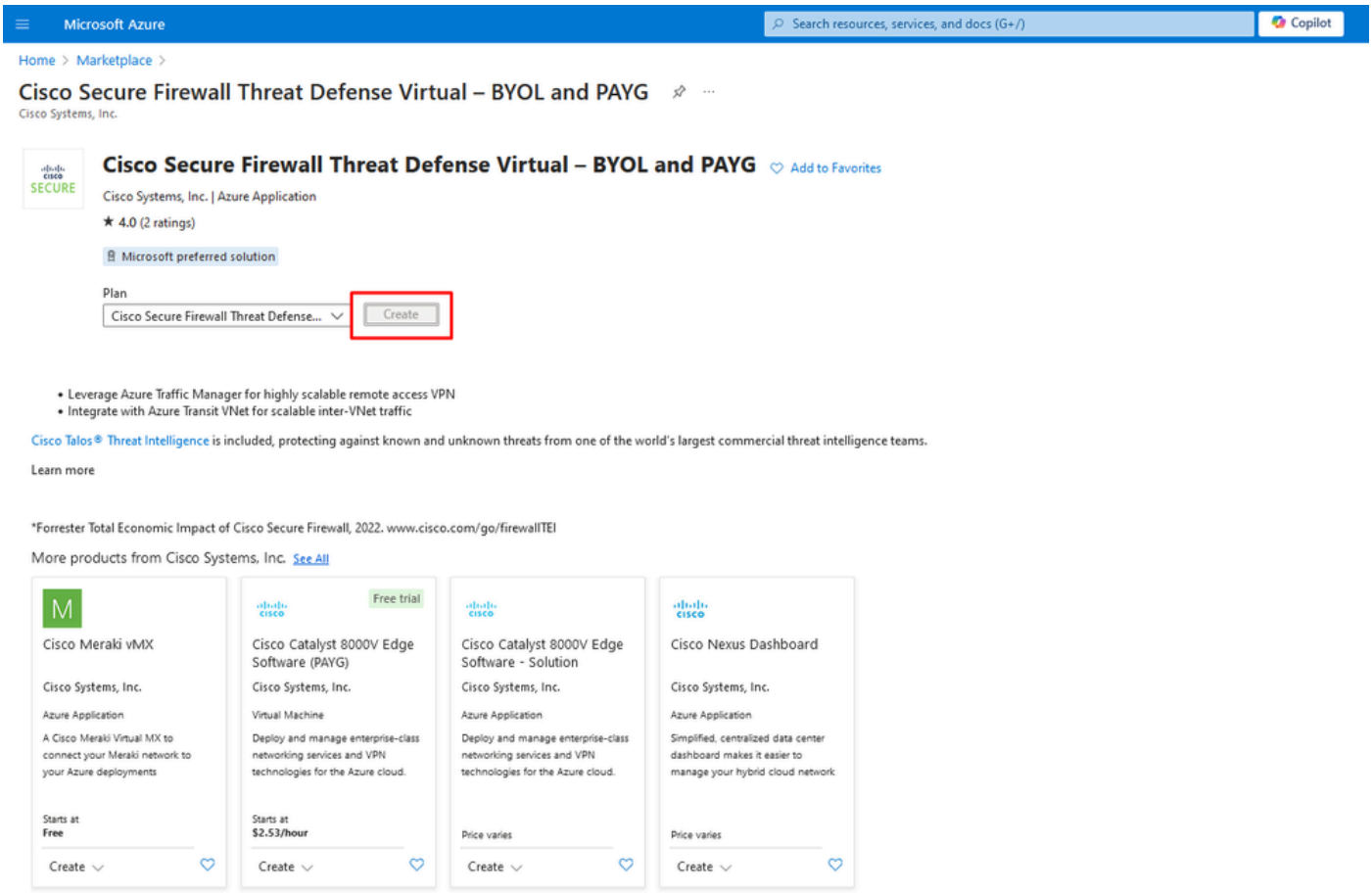
To deploy the FDM from the Azure portal, use this procedure:

1. Navigate to the Azure portal and locate the **Marketplace** within Azure Services. Search for and select **Cisco Secure Firewall Threat Defense Virtual - BYOL and PAYG**.



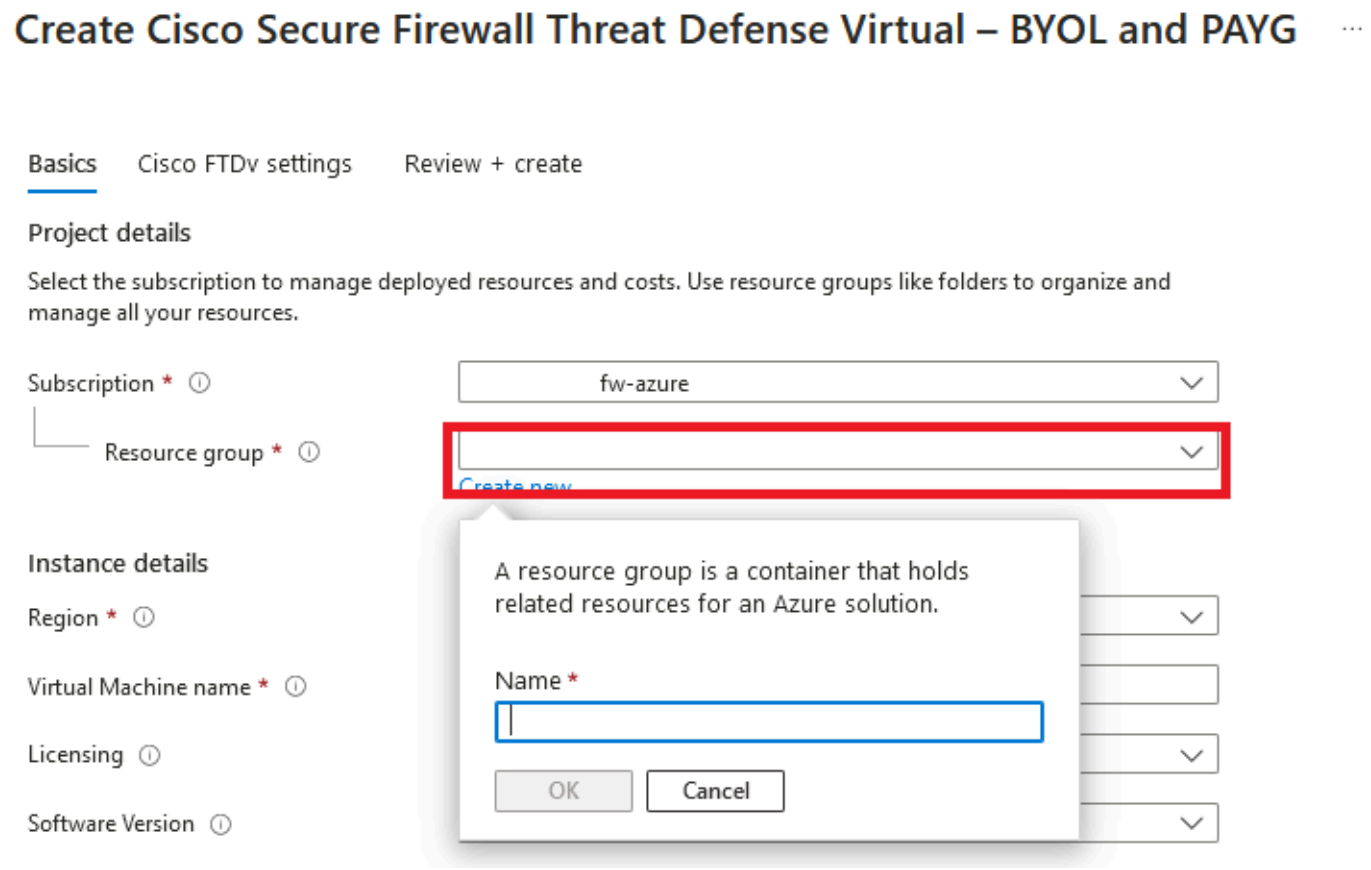
Search for Firepower and Select Cisco Secure Firewall Threat Defense Virtua - BOYL

2. Click **Create** to start the configuration process for the FTD.



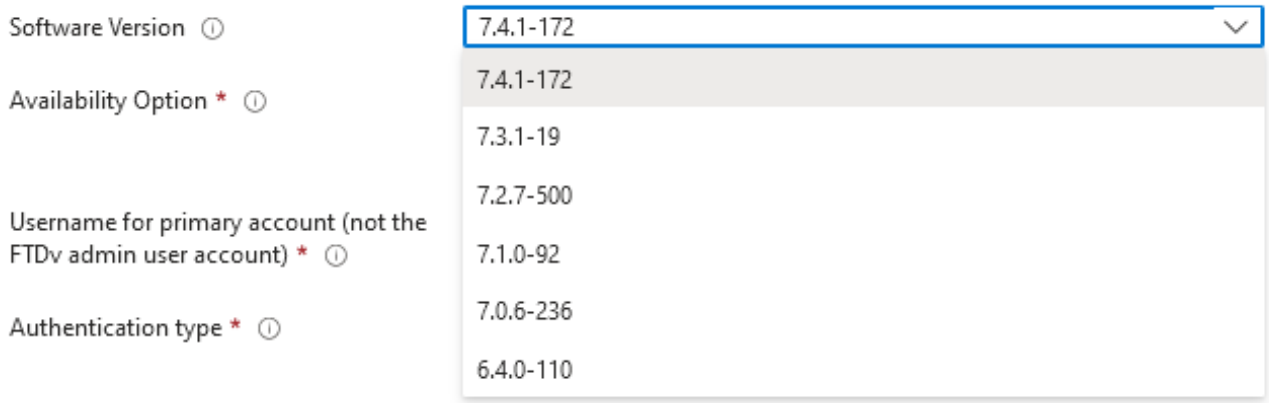
Create VM from Azure Portal

3. In the basic configuration page, create a Resource Group for the device, choose the region, and select a name for the VM.



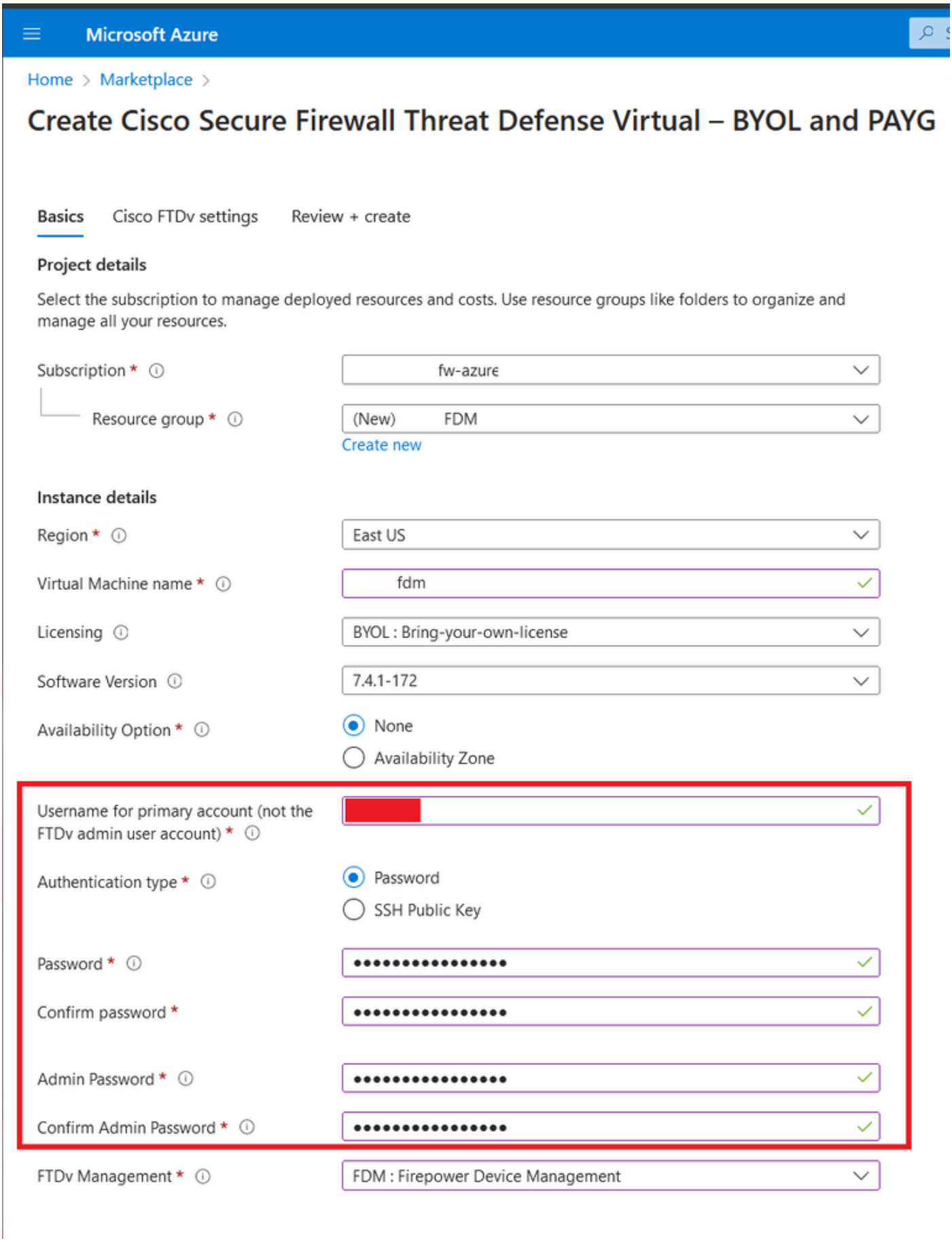
Create a new Resource Group

4. Choose the desired version for the VM deployment from the available options.



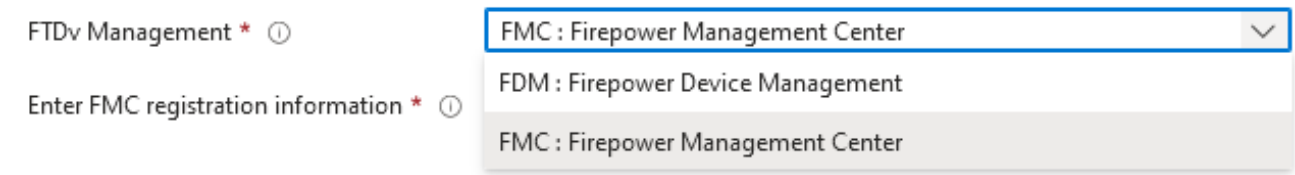
Versions Available to Deploy on Azure Market

5. Set up a username for the Primary account, choose **Password** as the Authentication type, and set the Password for VM access and the Admin password.



Username and Admin Passwords.

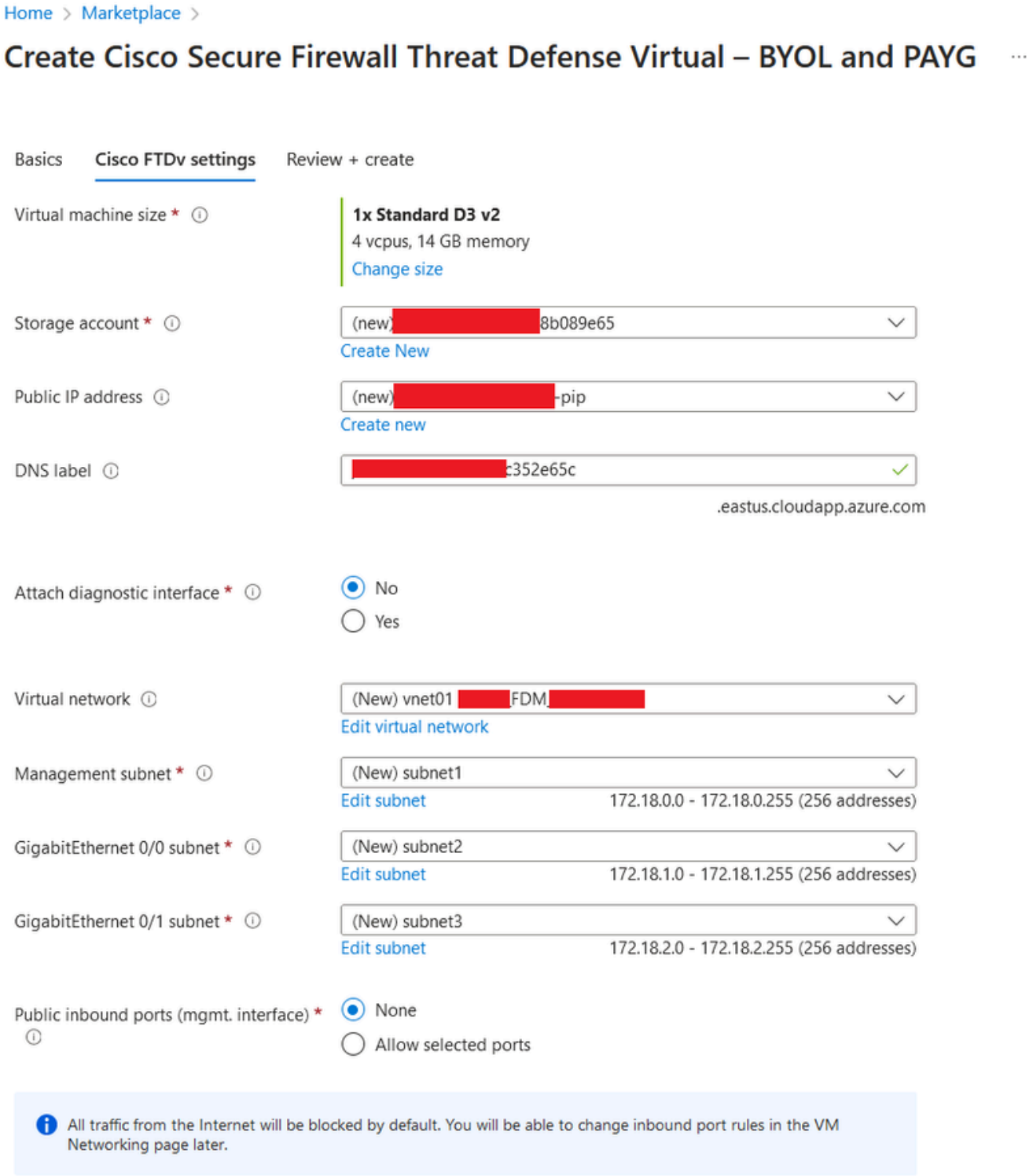
6. For management type, select **FDM** for the purpose of this document.



Management Device.

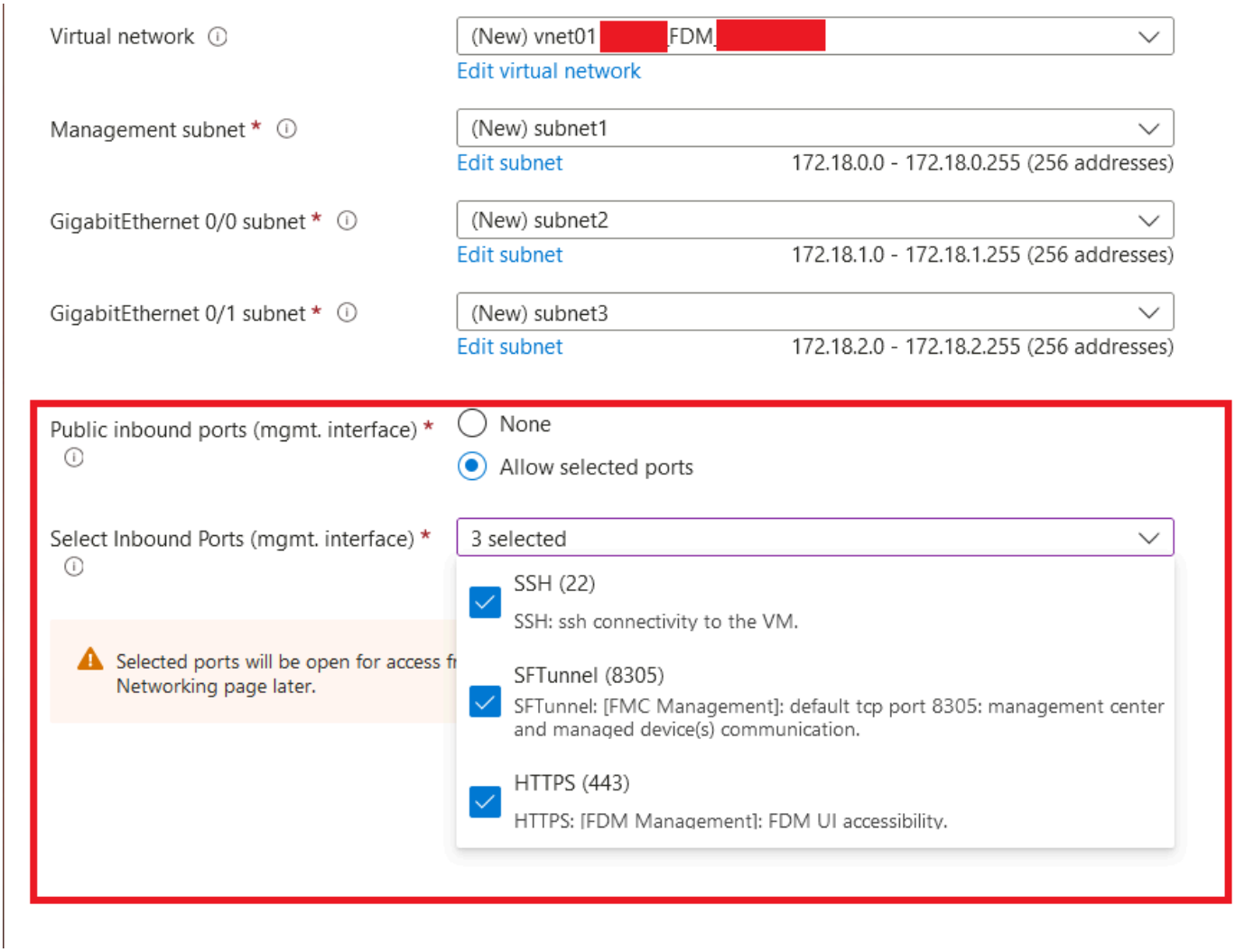
7. In the **Cisco FTDv Settings** tab, review the VM size, Storage Account, Public IP Address, and DNS label, which are created by default after completing the basic configuration.

Ensure that the **Virtual Network**, **Management** subnet, and other **Ethernet** settings are correct.



Cisco FTDv Settings.

8. Select **Allow selected Port** to enable ports SSH (22), SFTunnel (8305), and HTTPS (443) for HTTPS access to the VM and SFTunnel port for migrating the device to FMC.



Ports to be allowed on Cisco FTDv

Verify Configuration for VM

9. Review the configuration in the **Review + Create** tab and create the VM.

Home > Marketplace >

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	[redacted]
Preferred e-mail address	[redacted]@cisco.com
Preferred phone number	

Basics

Subscription	[redacted]fw-azure[redacted]
Resource group	[redacted]FDM[redacted]
Region	East US
Virtual Machine name	[redacted]fdm[redacted]
Licensing	BYOL : Bring-your-own-license
Software Version	7.4.1-172
Availability Option	None
Username for primary account (not the ...	[redacted]
Password	**********
Admin Password	**********
FTDv Management	FDM : Firepower Device Management

Cisco FTDv settings

Virtual machine size	Standard_D3_v2
Storage account	[redacted]8b089e65
Public IP address	[redacted]fdm-[redacted]-pip
Domain name label	[redacted]-fdm-[redacted]-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)

Review and Create.

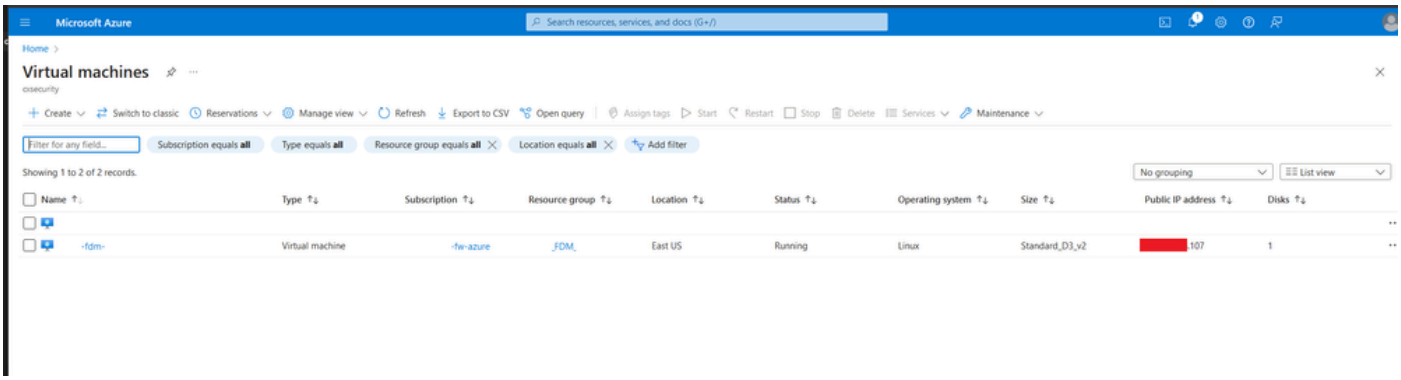
At this point we can submit the VM creation.

10. Monitor the deployment progress in the **Overview** tab, where a message indicates **Deployment** is in progress.

Deployment in progress.

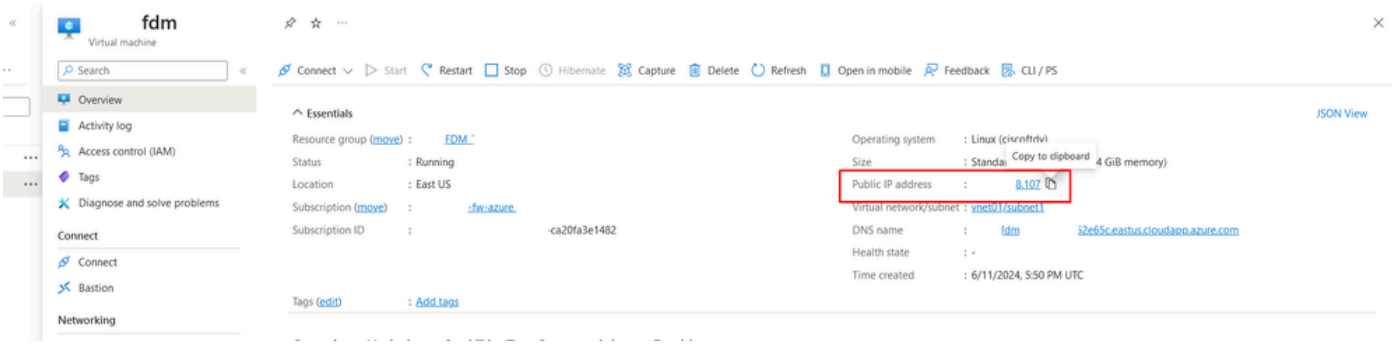
Check VM Deployed on Azure

11. When the VM is created, locate it within the **Virtual Machines** section to find its characteristics and the assigned Public IP address.



Virtual Machines Location

12. Use a browser to navigate to the assigned IP address of the device and begin the initial configuration of FDM.

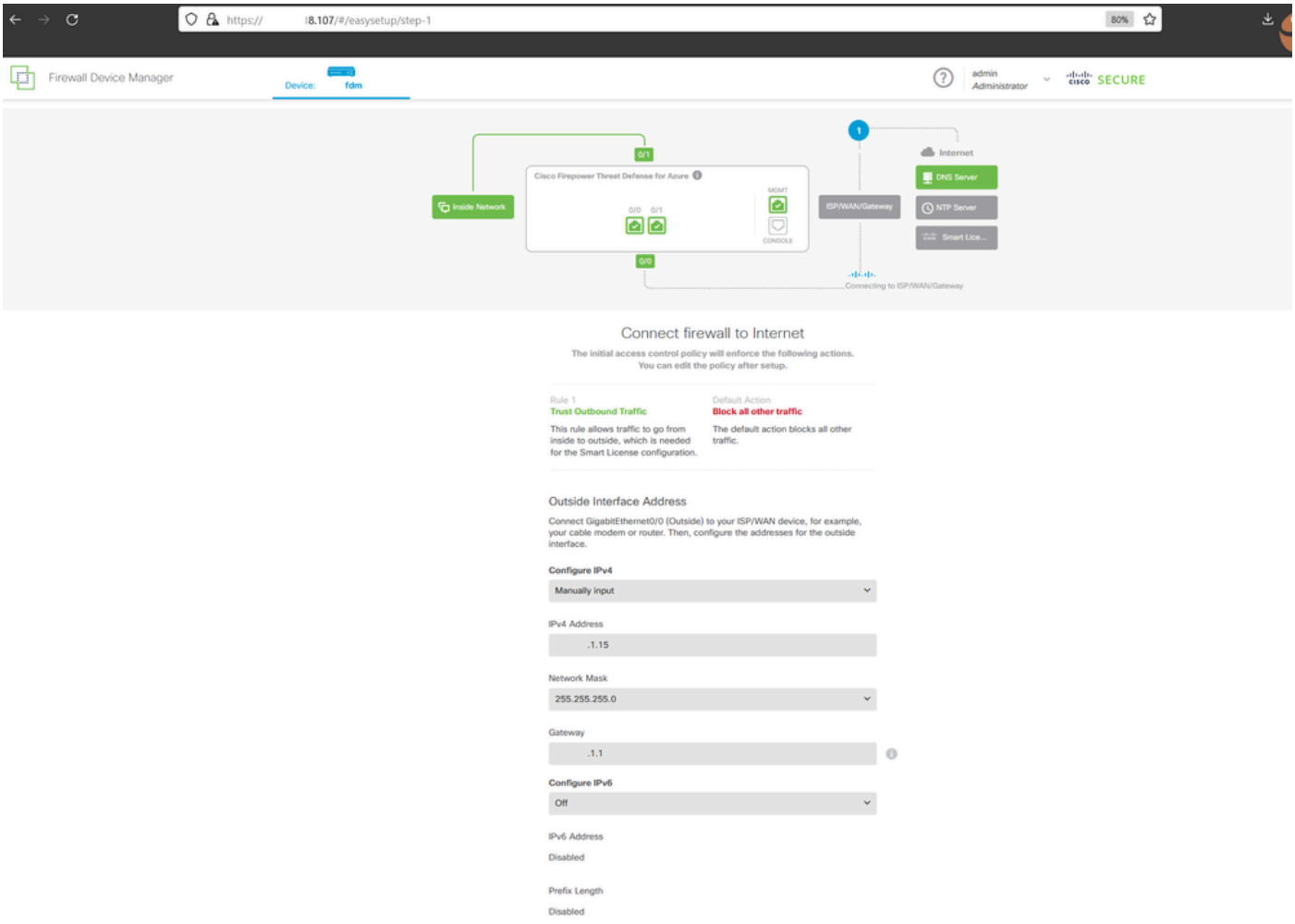


Public IP for FDM

Basic Configuration for FDM

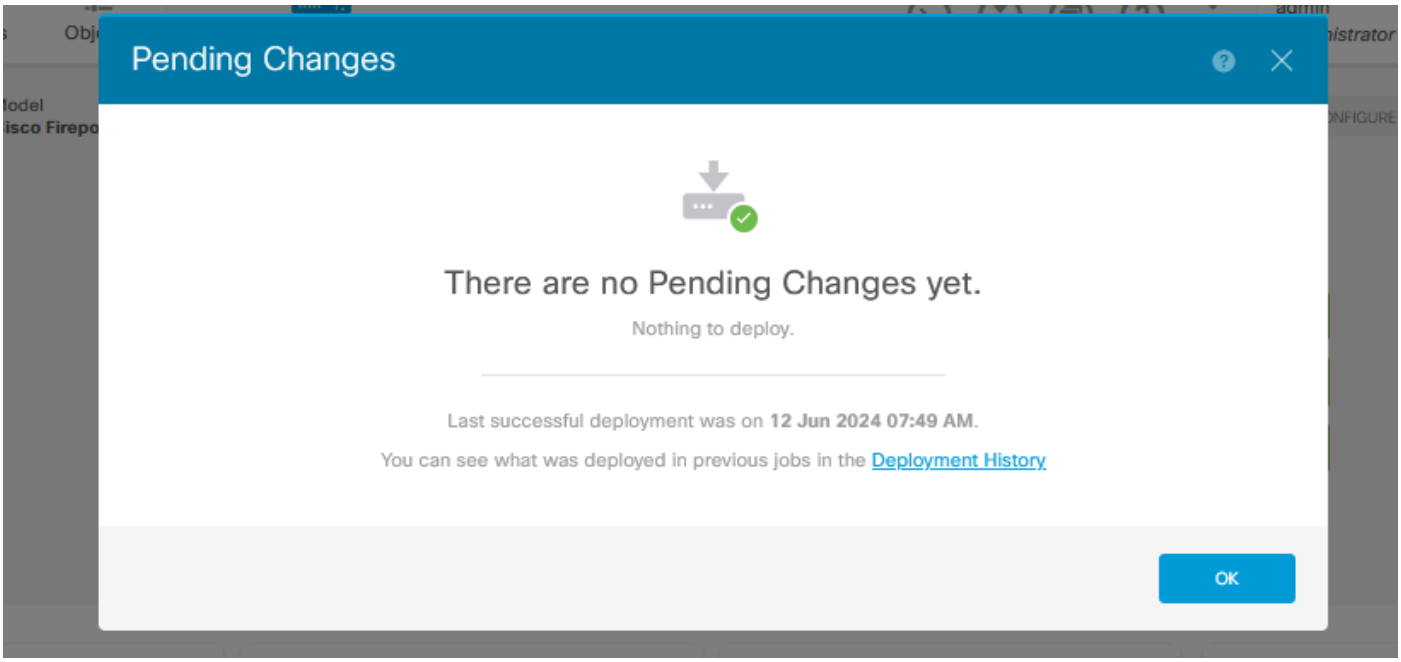
13. Configure the basic settings by selecting an IP within the assigned range, setting up NTP, and registering the device with the license.

Here you can find the documentation for the [FDM Initial Configuration] .



Basic Confituration on FDM

14. After registering the device, ensure no pending deployments remain.


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