Install Secure Web Appliance on VMware Esxi

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Introduction

This document describes the steps required to install the Secure Web Appliance (SWA) on VMware ESXi.

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- SWA administration.
- Fundamental networking principles.
- VMware ESXi administration.

Cisco recommends that you have:

- VMware ESXi Installed.
- Administrative Access to the VMware ESXi.
- Valid Cisco Account to Download the SWA Image file.

Components Used

This document is not restricted to specific software and hardware versions.

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.

VMware ESXi

VMware ESXi is a high-performance, enterprise-class hypervisor developed by VMware that allows for the efficient creation and management of virtual machines directly on physical hardware. As a bare-metal hypervisor, ESXi operates without the need for an underlying operating system, resulting in streamlined performance and enhanced resource utilization. This makes it an ideal platform for hosting various types of virtualized applications and services, providing a stable and secure environment for enterprise IT infrastructure.

This article guides you through the step-by-step process of installing Cisco Web Security Appliance (WSA) on VMware ESXi. Cisco WSA is a comprehensive web security solution designed to protect organizations from a wide range of internet-based threats by monitoring and controlling web traffic. The detailed guide covers everything from the initial setup of the ESXi environment to the configuration of Cisco WSA, ensuring that your network is safeguarded with advanced web security capabilities. Whether you are new to virtualization or an experienced IT professional, this guide provides the necessary steps to successfully deploy Cisco WSA on ESXi.

Download the Image

To download the desired and latest SWA Images, use these steps:

Step 1. Navigate to Cisco Software Central.

Step 2. Log in with your **Cisco Account**.

Step 3. Choose **Access Downloads**.

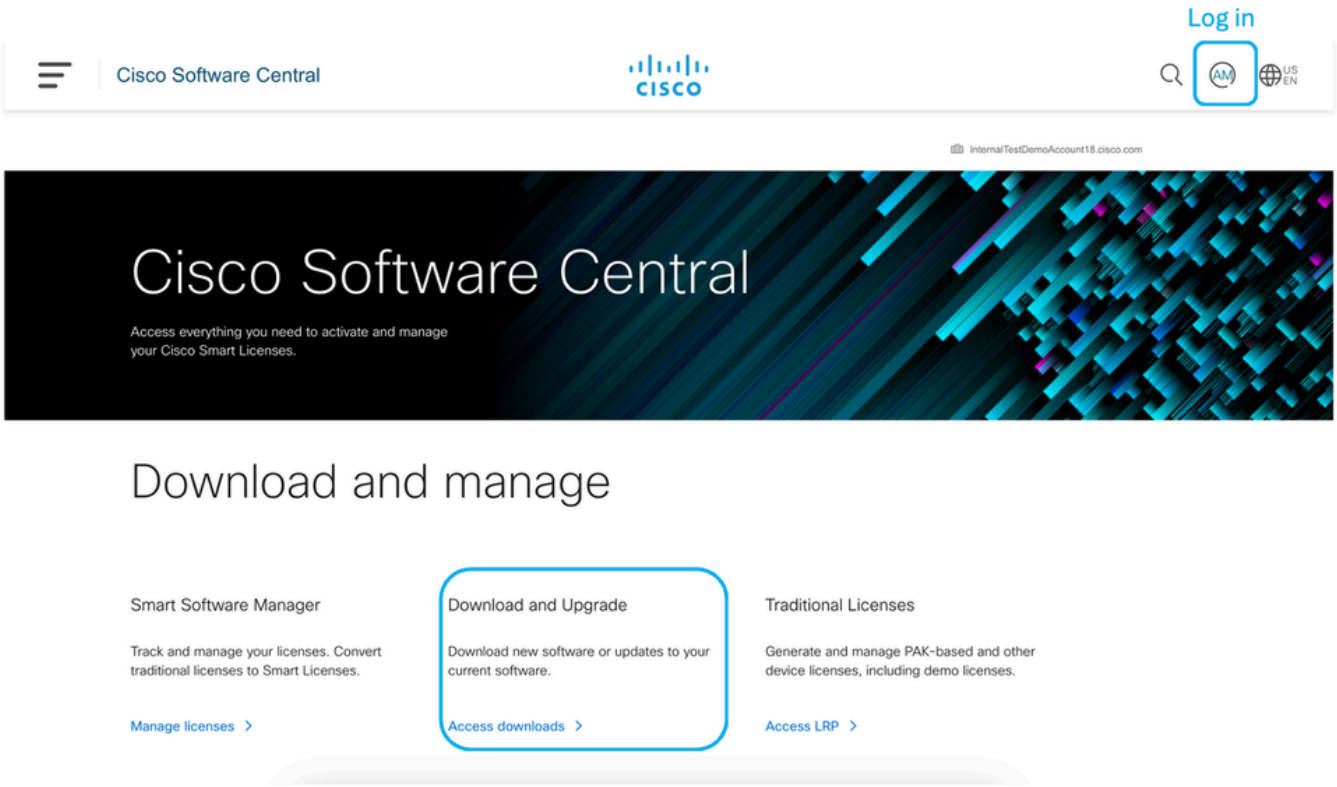


Image - Cisco Software Central

Step 4. Search for **Secure Web Appliance Virtual**.

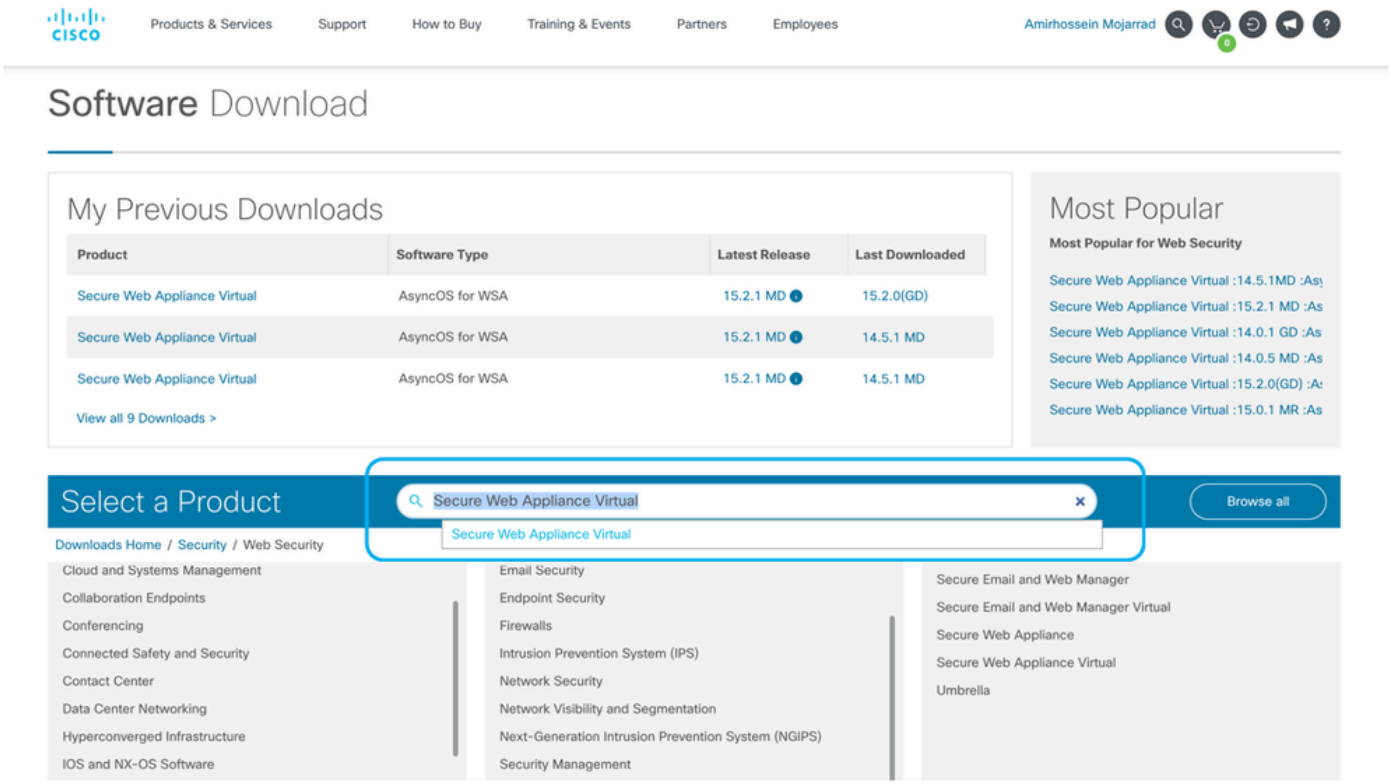


Image- Search for Secure Web Appliance Virtual

Step 5. Choose **AsyncOS for WSA**.

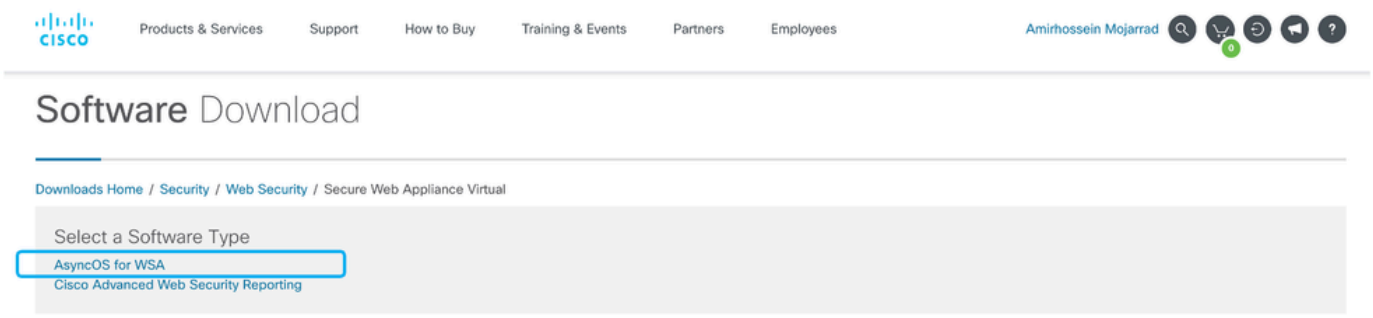


Image - Choose AsyncOS for WSA

Step 6. Choose your **desired version**.

Step 7. Download the **Virtual SWA Image file** associated with the model you would like to install.

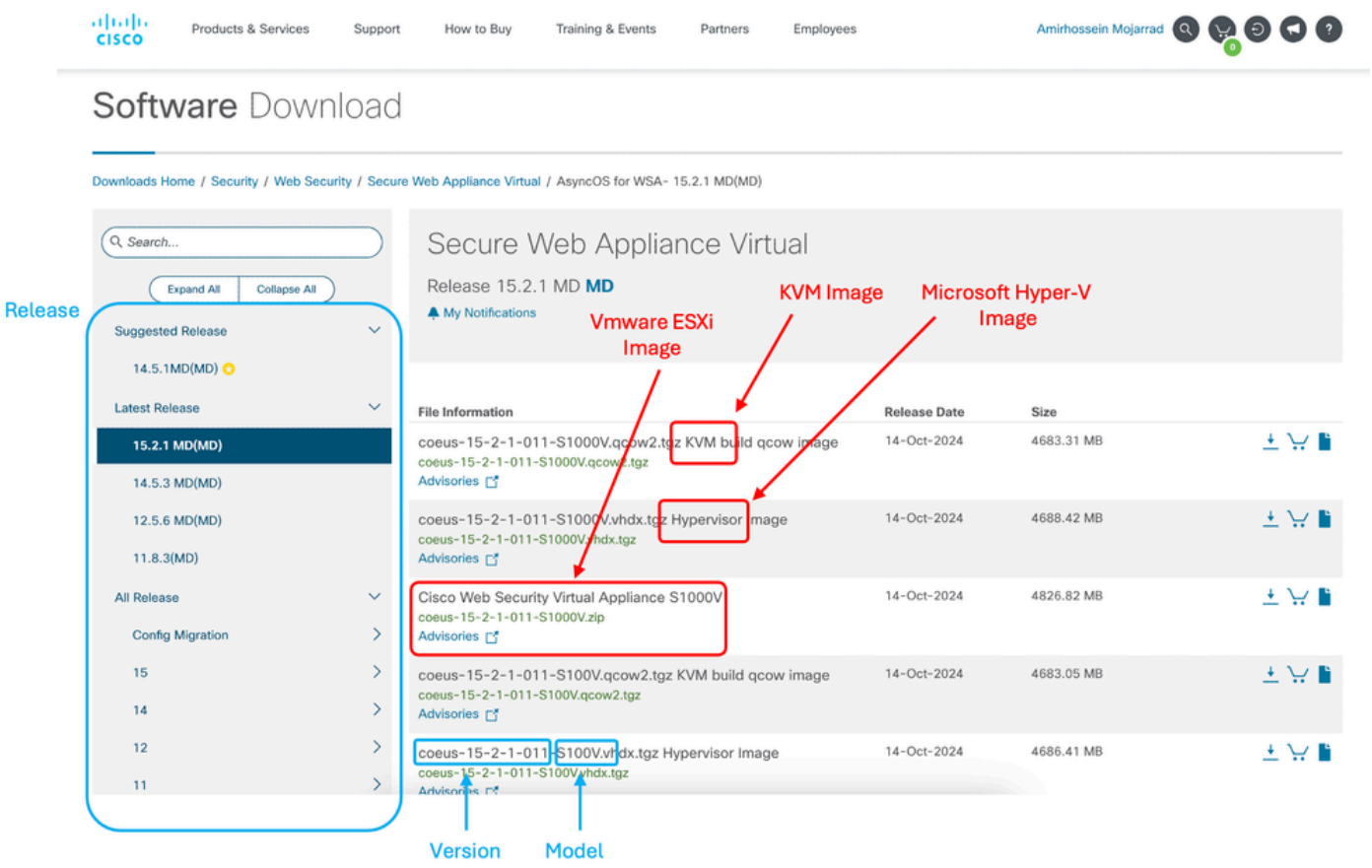


Image - Download the Image file

Installing SWA Setup

Use these steps to install the SWA on ESXi:

Step 1. Log in to the **ESXi management console**.

Step 2. Select **Virtual Machines** from the left menu.

Step 3. Choose **Create / new Register VM**.

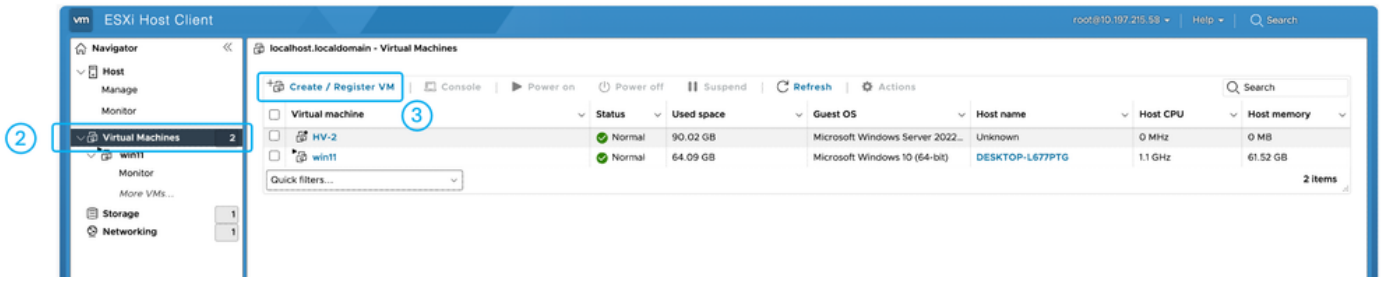


Image - Create VM

Step 4. Choose **Deploy a virtual machine from on OVF or OVA file** and click **Next**.

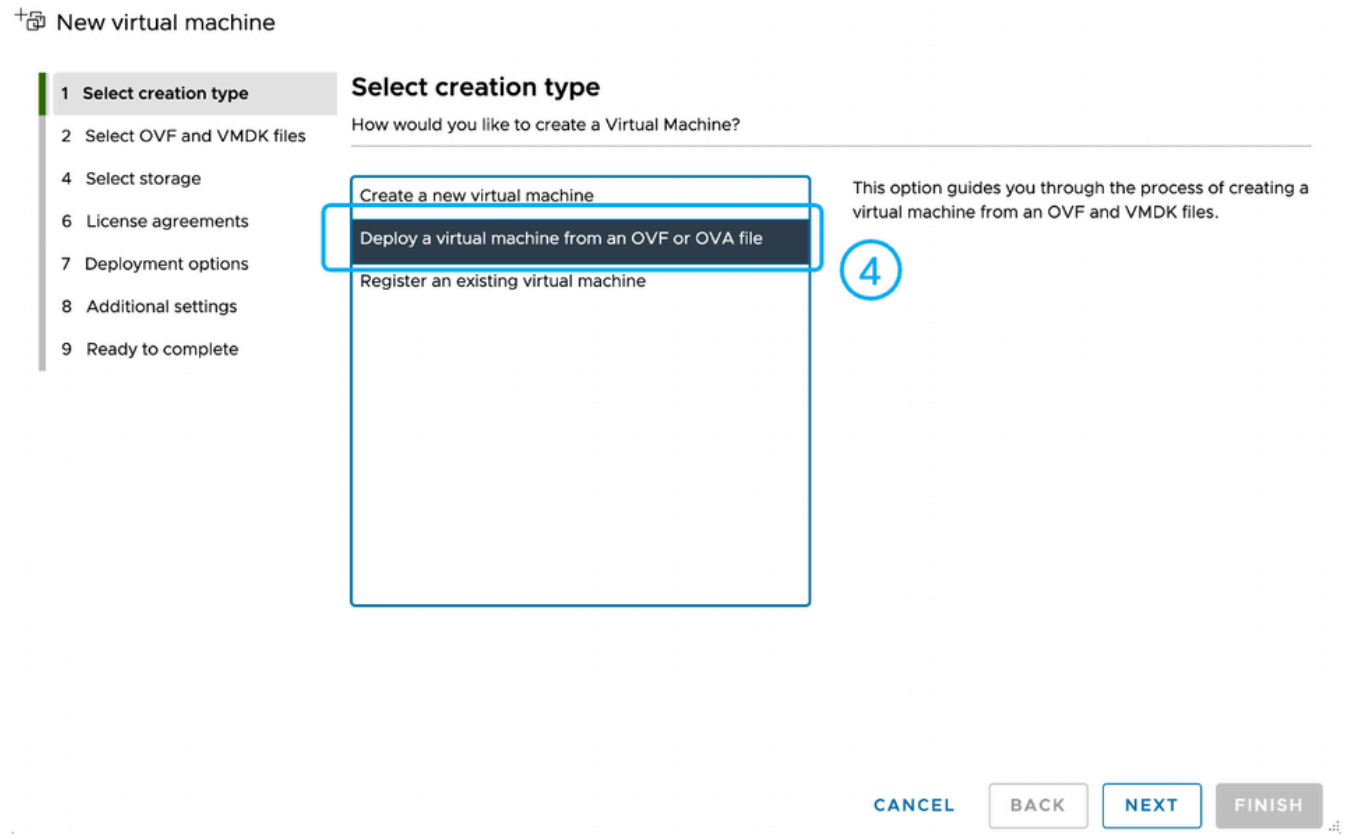


Image - Choose Deploy a VM from OVA file

Step 5. Enter a Name for your virtual machine.

Step 6.Upload the **.VMDK** and **.OVF** files extracted from the Cisco Software Download portal package and click **Next**.

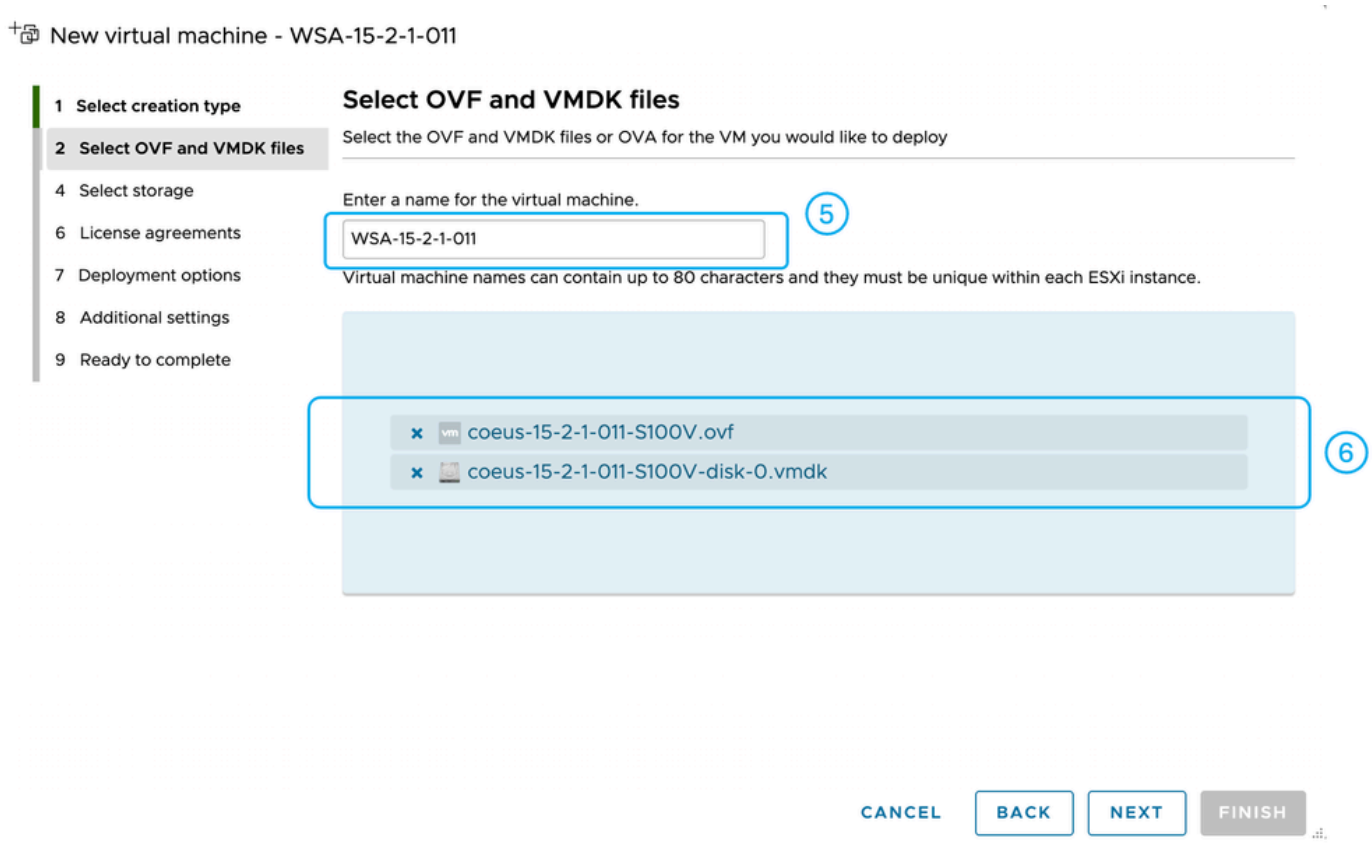


Image -Upload the OVF and VMDK Files to ESXi

Step 7. Select the **Datastore** you would like to host the new virtual machine files, then click **Next**.

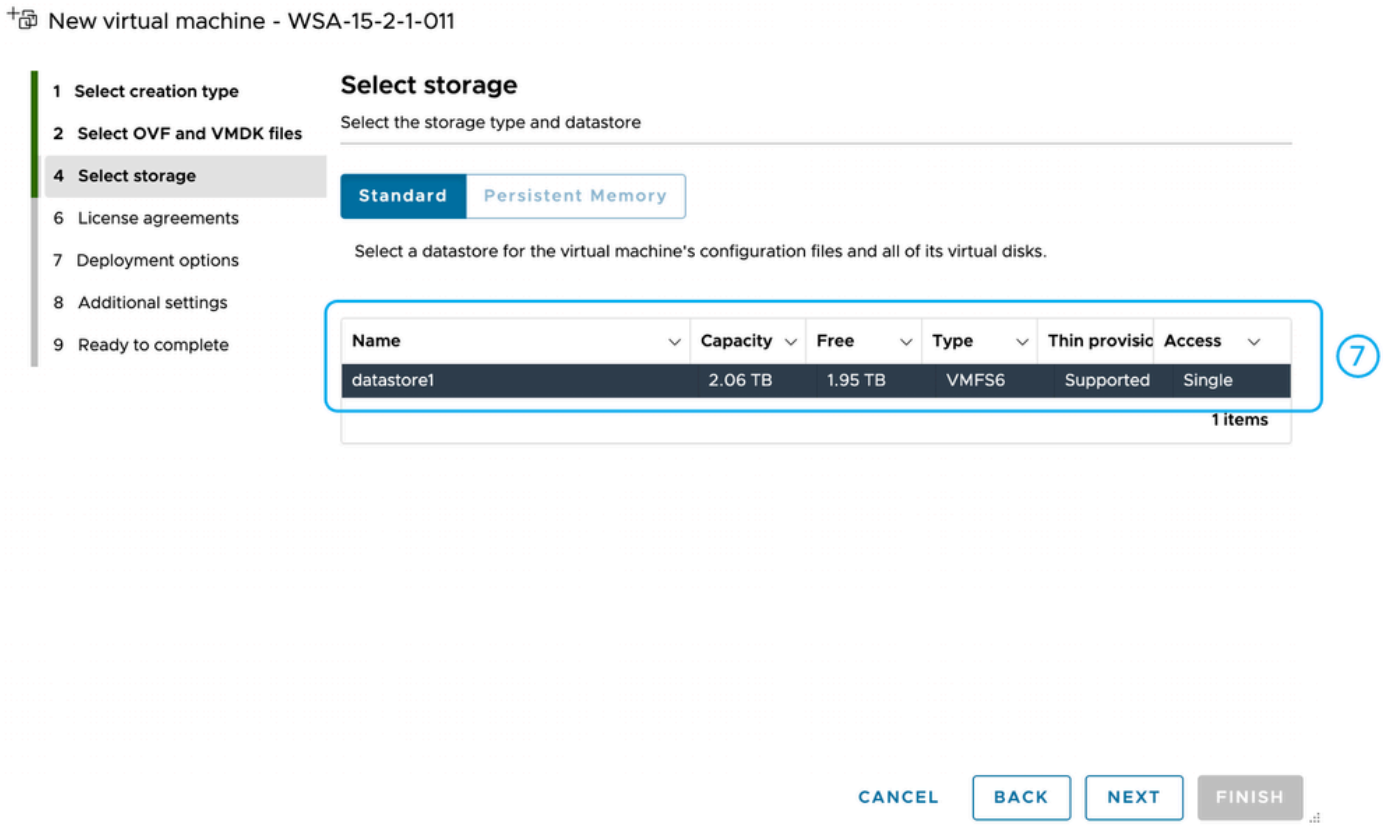


Image - Select the Datastore

Step 8. Select the desired **Virtual Switch** for each Virtual Network Interface Cards.

Step 9. Select **Thick Disk Provisioning** (is recommended for better performance), then click **Next**.

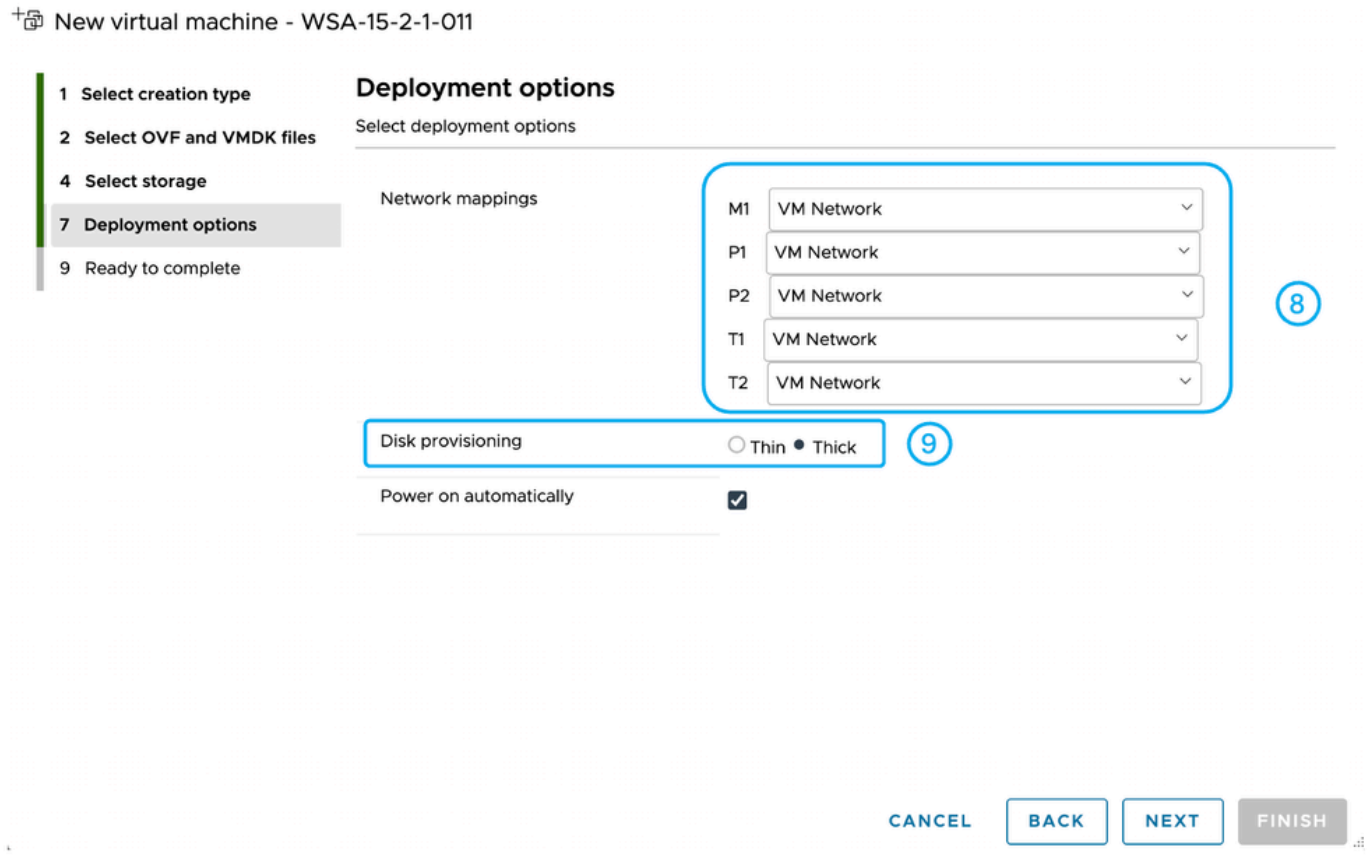


Image - Select the Virtual Switch and Provisioning Type

Step 10. Review the **configuration**, then click **Finish**.

Step 11. Wait for the tasks to finish. Review the progress from the **Recent Tasks** pane.

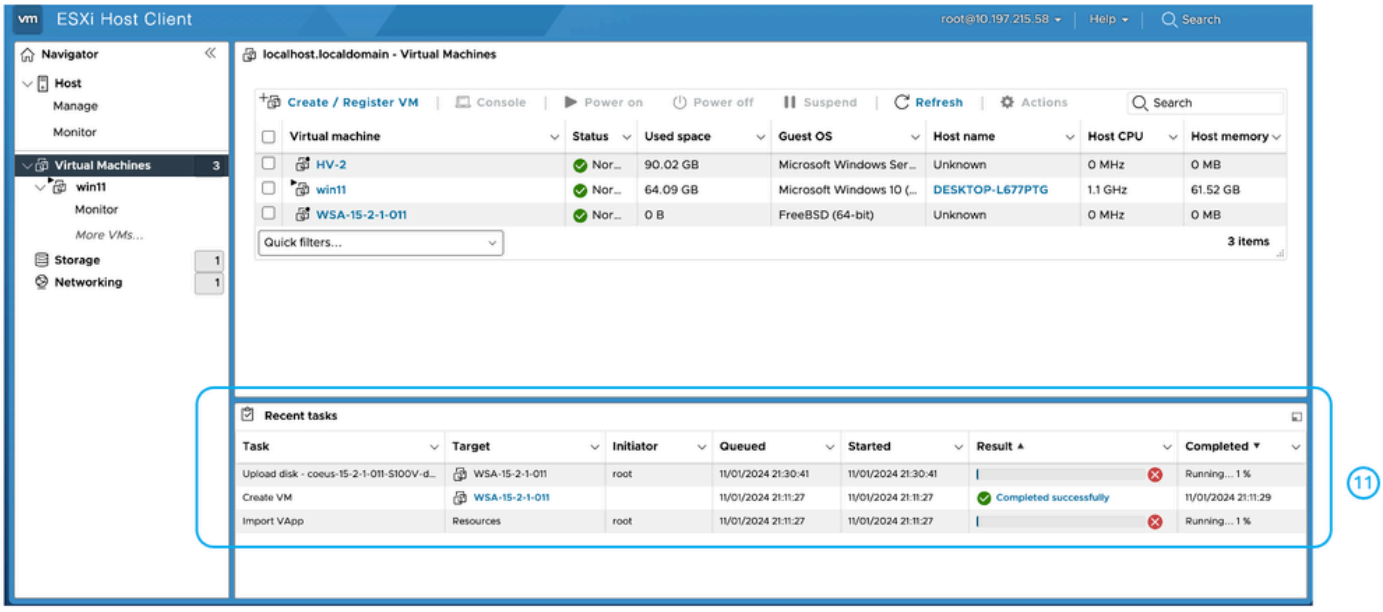


Image - Deployment Status

Tip: To setup the SWA visit Configure Secure Web Appliance Initial Setup

Related Content

User Guide for AsyncOS 15.2 for Cisco Secure Web Appliance

Cisco Secure Email and Web Virtual Appliance Installation Guide

Configure Secure Web Appliance Initial Setup

Configure Custom URL Categories in Secure Web Appliance - Cisco

Use Secure Web Appliance Best Practices

Configure Firewall for Secure Web Appliance

Configure Decryption Certificate in Secure Web Appliance

Configure and Troubleshoot SNMP in SWA

Configure SCP Push Logs in Secure Web Appliance with Microsoft Server

Enable Specific YouTube Channel/Video and Block Rest of YouTube in SWA

Understand HTTPS Accesslog Format in Secure Web Appliance

Access Secure Web Appliance Logs

Bypass Authentication in Secure Web Appliance

Block Traffic in Secure Web Appliance

Bypass Microsoft Updates Traffic in Secure Web Appliance