

Install Secure Web Appliance on Vmware Esxi

Contents

[Introduction](#)

[Prerequisites](#)

[Requirements](#)

[Components Used](#)

[Vmware ESXi](#)

[Download the Image](#)

[Installing SWA Setup](#)

[Related Information](#)

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 <https://software.cisco.com/>.

Step 2. Log in with your Cisco Account.

Step 3. Choose **Access Downloads**.

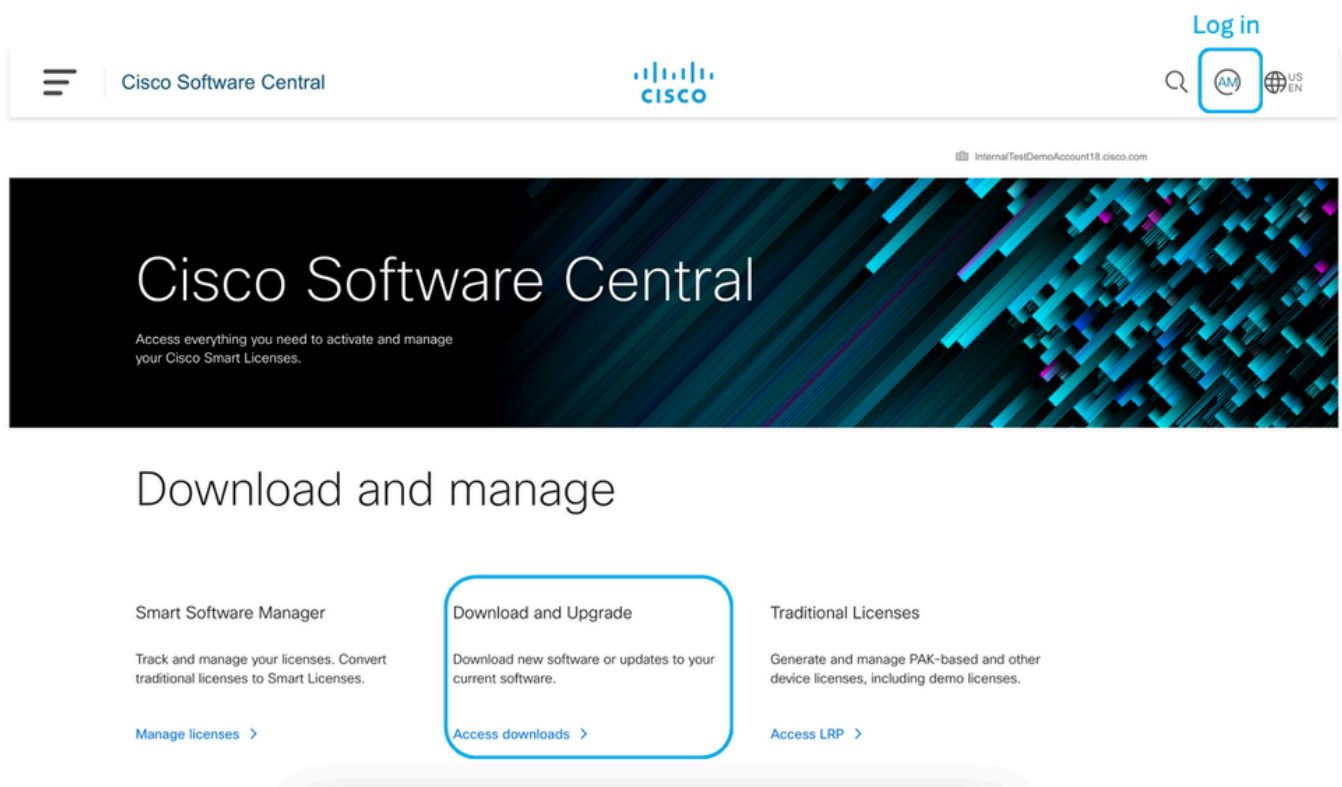


Image - Cisco Software Central

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

Software Download

My Previous Downloads

Product	Software Type	Latest Release	Last Downloaded
Secure Web Appliance Virtual	AsyncOS for WSA	15.2.1 MD	15.2.0(GD)
Secure Web Appliance Virtual	AsyncOS for WSA	15.2.1 MD	14.5.1 MD
Secure Web Appliance Virtual	AsyncOS for WSA	15.2.1 MD	14.5.1 MD

[View all 9 Downloads >](#)

Most Popular

Most Popular for Web Security

- Secure Web Appliance Virtual :14.5.1MD :As
- Secure Web Appliance Virtual :15.2.1 MD :As
- Secure Web Appliance Virtual :14.0.1 GD :As
- Secure Web Appliance Virtual :14.0.5 MD :As
- Secure Web Appliance Virtual :15.2.0(GD) :A:
- Secure Web Appliance Virtual :15.0.1 MR :As

Select a Product

[Browse all](#)

Secure Web Appliance Virtual

[Downloads Home](#) / [Security](#) / [Web Security](#)

- Cloud and Systems Management
- Collaboration Endpoints
- Conferencing
- Connected Safety and Security
- Contact Center
- Data Center Networking
- Hyperconverged Infrastructure
- IOS and NX-OS Software

- Email Security
- Endpoint Security
- Firewalls
- Intrusion Prevention System (IPS)
- Network Security
- Network Visibility and Segmentation
- Next-Generation Intrusion Prevention System (NGIPS)
- Security Management

- Secure Email and Web Manager
- Secure Email and Web Manager Virtual
- Secure Web Appliance
- Secure Web Appliance Virtual
- Umbrella

Image- Search for Secure Web Appliance Virtual

Step 5. Choose AsyncOS for WSA.

Software Download

[Downloads Home](#) / [Security](#) / [Web Security](#) / [Secure Web Appliance Virtual](#)

Select a Software Type

- AsyncOS for WSA
- Cisco Advanced Web Security Reporting

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.

Software Download

Downloads Home / Security / Web Security / Secure Web Appliance Virtual / AsyncOS for SWA- 15.2.1 MD(MD)

Release

Search...

Expand All Collapse All

Suggested Release

14.5.1 MD(MD)

Latest Release

15.2.1 MD(MD)

14.5.3 MD(MD)

12.5.6 MD(MD)

11.8.3(MD)

All Release

Config Migration

15

14

12

11

Secure Web Appliance Virtual

Release 15.2.1 MD **MD**

▲ My Notifications

Vmware ESXi Image **KVM Image** **Microsoft Hyper-V Image**

File Information	Release Date	Size
coeus-15-2-1-011-S1000V.qcow2.tgz KVM build qcow image coeus-15-2-1-011-S1000V.qcow2.tgz Advisories	14-Oct-2024	4683.31 MB
coeus-15-2-1-011-S1000V.vhdx.tgz Hypervisor image coeus-15-2-1-011-S1000V.vhdx.tgz Advisories	14-Oct-2024	4688.42 MB
Cisco Web Security Virtual Appliance S1000V coeus-15-2-1-011-S1000V.zip Advisories	14-Oct-2024	4826.82 MB
coeus-15-2-1-011-S100V.qcow2.tgz KVM build qcow image coeus-15-2-1-011-S100V.qcow2.tgz Advisories	14-Oct-2024	4683.05 MB
coeus-15-2-1-011-S100V.vhdx.tgz Hypervisor Image coeus-15-2-1-011-S100V.vhdx.tgz Advisories	14-Oct-2024	4686.41 MB

Version **Model**

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**.

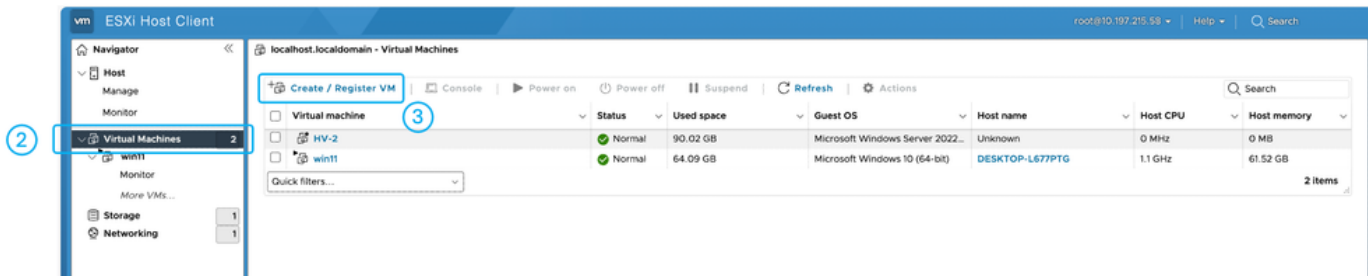


Image - Create VM

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

+ New virtual machine

1 Select creation type

2 Select OVF and VMDK files

4 Select storage

6 License agreements

7 Deployment options

8 Additional settings

9 Ready to complete

Select creation type

How would you like to create a Virtual Machine?

- Create a new virtual machine
- Deploy a virtual machine from an OVF or OVA file**
- Register an existing virtual machine

This option guides you through the process of creating a virtual machine from an OVF and VMDK files.

4

CANCEL BACK NEXT FINISH

Image - Choose Deploy a VM from OVA file

Step 5. Choose 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**.

1 Select creation type
2 Select OVF and VMDK files
4 Select storage
6 License agreements
7 Deployment options
8 Additional settings
9 Ready to complete

Select OVF and VMDK files

Select the OVF and VMDK files or OVA for the VM you would like to deploy

Enter a name for the virtual machine. 5

WSA-15-2-1-011

Virtual machine names can contain up to 80 characters and they must be unique within each ESXi instance.

- x coeus-15-2-1-011-S100V.ovf
- x coeus-15-2-1-011-S100V-disk-0.vmdk

6

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**.

1 Select creation type
2 Select OVF and VMDK files
4 Select storage
6 License agreements
7 Deployment options
8 Additional settings
9 Ready to complete

Select storage

Select the storage type and datastore

Standard Persistent Memory

Select a datastore for the virtual machine's configuration files and all of its virtual disks.

Name	Capacity	Free	Type	Thin provisic	Access
datastore1	2.06 TB	1.95 TB	VMFS6	Supported	Single

1 items

7

Image - Select the Datastore

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

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

+ New virtual machine - WSA-15-2-1-011

1 Select creation type
2 Select OVF and VMDK files
4 Select storage
7 **Deployment options**
9 Ready to complete

Deployment options

Select deployment options

Network mappings

M1	VM Network
P1	VM Network
P2	VM Network
T1	VM Network
T2	VM Network

Disk provisioning Thin **Thick**

Power on automatically

CANCEL BACK NEXT FINISH

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.

Task	Target	Initiator	Queued	Started	Result	Completed
Upload disk - coeus-15-2-1-011-S10OV-d...	WSA-15-2-1-011	root	11/01/2024 21:30:41	11/01/2024 21:30:41	Running... 1%	Running... 1%
Create VM	WSA-15-2-1-011	root	11/01/2024 21:11:27	11/01/2024 21:11:27	Completed successfully	11/01/2024 21:11:29
Import VApp	Resources	root	11/01/2024 21:11:27	11/01/2024 21:11:27	Running... 1%	Running... 1%

Image - Deployment Status

Tip: To setup the SWA kindly visit: [Configure Secure Web Appliance Initial Setup](#)

Related Information

- [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](#)