

# Cisco Application Virtual Switch Download Instructions For VMware ESXi Deployments

---

Aug 22, 2014

<b>1</b>	<b>Purpose</b> .....	<b>3</b>
<b>2</b>	<b>AVS Download</b> .....	<b>4</b>
<b>2.1</b>	<b>AVS Installation Options</b> .....	<b>7</b>
2.1.1	Manual Installation using SSH .....	7
2.1.2	Automated Installation using VMware Update Manager.....	7
<b>2.2</b>	<b>AVS Files and Supported ESXi Versions</b> .....	<b>8</b>

## 1 Purpose

---

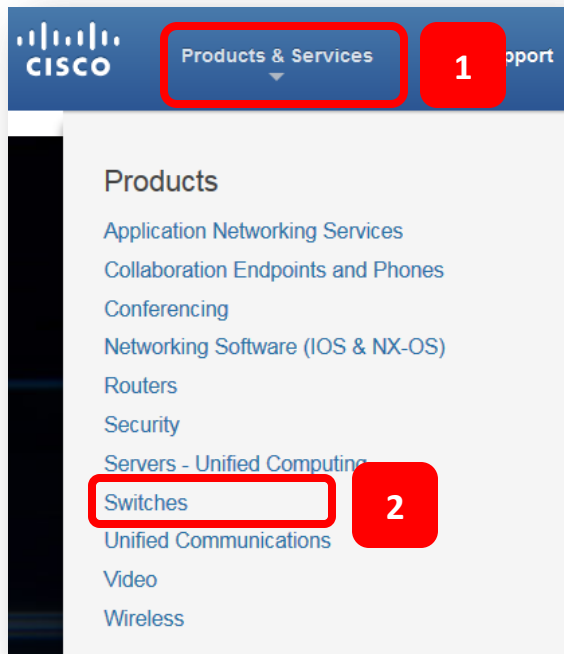
This document is intended as a reference for technical professionals responsible for installing the Cisco Application Virtual Switch (AVS) for VMware ESXi hosts. This document covers the download instructions for AVS. It also provides reference to installation instructions towards the end.

## 2 AVS Download

---

You can obtain the Cisco Application Virtual Switch software from the Cisco Application Virtual Switch Series web page. The web page can be accessed using following steps

- Browser to <http://www.cisco.com>
- Click on Product & Service and Switches as shown below



- Click on Virtual Networking at the bottom of the page



- Then click on Cisco Application Virtual Switch as shown below



#### Citrix NetScaler 1000V Application Delivery Controller

- Provides service delivery networking for enterprise and cloud data centers
- Integrates with Cisco Nexus 1000V vPath service insertion technology
- Delivers best-in-class load balancing and application delivery
- Offers single point of support



#### Cisco Prime Virtual Network Analysis Module (vNAM)

- Brings performance analytics to physical, virtual, and cloud networks
- Allows customers to rapidly respond to new business demands
- Extends visibility into overlay technologies, such as VXLAN, to improve operations
- Characterizes business-critical applications to support ideal performance
- Installs on x86 platforms with ESXi, Hyper-V, and KVM virtualization infrastructures



#### Cisco Application Virtual Switch


4

- Specifically designed for the Application Centric Infrastructure (ACI)
- Provides high performance and throughput
- Offers optimal traffic steering
- Offers a consistent operational model across leading hypervisors


- On [Cisco AVS](#) page, you will see Download Software for this Product link

**Partner Help**

---

 [Open a Case](#)

---

 **Call 1-800-GO-CISCO**  
US/CAN | 6am - 5pm Pacific  
[Other Countries](#)

---

**Support**

---

[All support information for Cisco Application Virtual Switch](#)  
[Software Downloads, Release and General Information](#)  
[Download Software for this Product](#)  
[Install and Upgrade](#)  
[Configure](#)

5

- Download and extract the following AVS Zip File from Cisco.com

**Download Software** Download

[Downloads Home](#) > [Products](#) > [Switches](#) > [Virtual Networking](#) > [Cisco Application Virtual Switch](#) > **NX-5.2(1)SV3(1.1)**

**Cisco Application Virtual Switch**

Search... Expand All | Collapse All

▼ Latest

- 5.2(1)SV3(1.1)
- 4.2(1)SV2(2.3)
- ▶ All Releases

File Information	Release Date	Size
Cisco Application Virtual Switch CiscoAVS_1.0-5.2.1.SV3.1.1-pkg.zip	22-AUG-2014	30.06 MB

- There are multiple files and folder created once the zip file is extracted. Click on the CiscoAVS folder as shown below.

CiscoAVS_1.0-5.2.1.SV3.1.1	7	File folder
cisco_n1k_image_validation_v_1_1	3 KB	File
CiscoAVS_1.0-5.2.1.SV3.1.1.zip	30,776 KB	Compressed (zip)
README.signature	2 KB	SIGNATURE File
signature.txt	1 KB	Text Document

- Inside the AVS folder there are vib and zip files available. These files are used based on the type of installation and version of ESXi hypervisor. Note that Cisco AVS is controlled from Cisco APIC controller, hence there is no VSM (Virtual Switch Manager) software included with the Cisco AVS software bundle.

VEM550-201408170111-BG-release.zip	← VUM Based Install	(zip) Folder
VEM510-201408170106-BG-release.zip		(zip) Folder
README.txt	2 KB	Text Document
NX-OS License Copyright Document.pdf	5,620 KB	Adobe Acrobat Document
cross_cisco-vem-v170-5.2.1.3.1.1.0-3.2.1.vib	← SSH/CLI Based	
cross_cisco-vem-v170-5.2.1.3.1.1.0-3.1.1.vib		

## 2.1 AVS Installation Options

There are two options available to install the AVS software.

- 1- AVS Manual Installation using SSH/CLI
- 2- AVS Automated Installation using VMware Update Manager

VMware update manage method is the recommended method for Cisco AVS installation.

### 2.1.1 Manual Installation using SSH

This option allows you to install AVS using CLI command via SSH. In order to use this option make sure you have access to the ESXi SSH. For this option go ahead and download the avs file with the VIB extension

**Example: cross\_cisco-vem-v170-5.2.1.3.1.1.0-3.1.1.vib**

For detailed instructions on installing AVS using manual method refer to [AVS Installation Guide](#).

### 2.1.2 Automated Installation using VMware Update Manager

This option allows you to install AVS using VMware Update Manager. This type of installation can be scheduled and automatically done at a specific time. For this installation download the ZIP file located on the AVS download page

**Example: VEM510-201401164101-BG-release.zip**

For detailed instructions on installing AVS using manual method refer to [AVS Installation Guide](#).

## 2.2 AVS Files and Supported ESXi Versions

Following table explains the file name contained inside the AVS folder, their installation method and to the ESXi version they are applicable to.

File Name	Installation Method	ESXi Version
cross_cisco-vem-v170-5.2.1.3.1.1.0-3.1.1.vib	Manual (CLI)	5.1
cross_cisco-vem-v170-5.2.1.3.1.1.0-3.2.1.vib	Manual (CLI)	5.5
VEM510-201401164101-BG-release.zip	Automated (VUM)	5.1
VEM550-201401164104-BG-release.zip	Automated (VUM)	5.5



Americas Headquarters  
Cisco Systems, Inc.  
San Jose, CA

Asia Pacific Headquarters  
Cisco Systems (USA) Pte. Ltd.  
Singapore

Europe Headquarters  
Cisco Systems International BV  
Amsterdam, The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at [www.cisco.com/go/offices](http://www.cisco.com/go/offices).

CCDE, CCENT, CCSI, Cisco Eos, Cisco Explorer, Cisco HealthPresence, Cisco IronPort, the Cisco logo, Cisco Nurse Connect, Cisco Pulse, Cisco SensorBase, Cisco StackPower, Cisco StadiumVision, Cisco TelePresence, Cisco TrustSec, Cisco Unified Computing System, Cisco WebEx, DCE, Flip Channels, Flip for Good, Flip Mino, Flipshare (Design), Flip Ultra, Flip Video, Flip Video (Design), Instant Broadband, and Welcome to the Human Network are trademarks; Changing the Way We Work, Live, Play, and Learn, Cisco Capital, Cisco Capital (Design), CiscoFinanced (Stylized), Cisco Store, Flip Gift Card, and One Million Acts of Green are service marks; and Access Registrar, Aironet, AllTouch, AsyncOS, Bringing the Meeting To You, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, CCSP, CCVP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Lumina, Cisco Nexus, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Collaboration Without Limitation, Continuum, EtherFast, EtherSwitch, Event Center, Explorer, Follow Me Browsing, GainMaker, iLync, IOS, iPhone, IronPort, the IronPort logo, Laser Link, LightStream, Linksys, MeetingPlace, MeetingPlace Chime Sound, MGX, Networkers, Networking Academy, PCNow, PIX, PowerKEY, PowerPanels, PowerTV, PowerTV (Design), PowerVu, Prisma, ProConnect, ROSA, SenderBase, SMARTnet, Spectrum Expert, StackWise, WebEx, and the WebEx logo are registered trademarks of Cisco and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1002R)