

# Cisco Network Visibility Application for APIC-EM Supported Platforms, Release 1.6.0.x

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## Supported Platforms for Cisco Network Visibility for APIC-EM, Release 1.6.0.x

This document describes the supported platforms for Cisco Network Visibility for APIC-EM, Release 1.6.0.x

### Supported Platforms and Software Requirements

The following tables list the supported devices and modules, with their software requirements, for this release.



**Note**

For information about the supported platforms and software requirements for the other Cisco APIC-EM applications, see the following documents:

- *Cisco EasyQoS Application for APIC-EM Supported Platforms*
- *Cisco Network Visibility Application for APIC-EM Supported Platforms*
- *Cisco Path Trace Application for APIC-EM Supported Platforms*
- *Cisco Active Advisor for APIC-EM Release Notes*
- *Cisco Integrity Verification Application for APIC-EM Release Notes*
- *Cisco Remote Troubleshooter for APIC-EM Release Notes*
- *Cisco Wide Area Bonjour Application for APIC-EM Release Notes*
- *Release Notes for Cisco Intelligent Wide Area Network Application (Cisco IWAN App)*
- *Release Notes for Cisco Network Plug and Play*

### Supported Cisco Switches

The following table lists the supported Cisco switches for this Cisco Network Visibility release.

**Table 1: Supported Cisco Switches**

<b>Supported Switches</b>	<b>Minimum Software Version</b>
Catalyst 2960-C Series switches	15.2(1)E1
Catalyst 2960-CX Series switches	15.2(1)E1
Catalyst 2960-S Series switches, including stacks	>=12.1
Catalyst 2960-X/XR Series switches, including stacks	>=12.1
Catalyst 3560CG Series switches	>=12.2
Catalyst 3560CX Series switches	15.2(3)E1
Catalyst 3560-X Series switches	>=12.2
Catalyst 3650 Series switches, including stacks	All versions
Catalyst 3750-X Series switches, including stacks	>=12.2
Catalyst 3850 Series switches, including stacks	All versions
Catalyst 4500(Sup7E) Series switches	All versions
Catalyst 4500E (Sup8E) Series switches	All versions
Catalyst 4500-X Series switches	All versions
Catalyst 6500 (Supervisor Engine 720-3C/B) Series switches	>=12.2
Catalyst 6500(Sup-2T) Series switches	>=12.2
Cisco Catalyst 6807-XL Switch	>=12.2
Cisco Catalyst 6840-X Switch	>=12.2

Supported Switches	Minimum Software Version
Cisco Catalyst 6880-X Switch	>=12.2
Cisco Nexus 5000 Series switches	All versions
Cisco Nexus 7000 Series switches	All versions

## Supported Cisco Routers

The following tables lists the supported routers for this Cisco Network Visibility release.

**Table 2: Supported Routers**

Supported Routers	Minimum Software Version	Recommended Software Version
Cisco ASR 1000 Series Aggregation Services Router	>=15.2(2)S, >=15.3(1)S1	Cisco IOS XE 3.16(2)S, Cisco IOS XE 16.3.1
Cisco ASR 9000 Series Aggregation Services Router <a href="#">1</a>	>=3.9	Cisco IOS XR 5.1.3
Cisco Cloud Services Router 1000v Series	Cisco 15.2(4)M9	Cisco 15.2(4)M9
Cisco Integrated Services Routers (ISR) G2	>=15.0(1)M, >=15.2(4)M2	Cisco IOS XE 15.2(4)M9, 15.1(4)M7
Cisco Integrated Service Router (ISR) 800 Series (C819G-4G-GA-K9, C866VAE-W-E-K9, C881-V-K9, C891-24X/K9, C897VAW-A-K9, C881-K9, CISCO867VAE-K9)	>=15.2(4)M	Cisco IOS 15.2(4)M9
Cisco Integrated Service Router (ISR) 1100 Series	16.6.1	16.6.1
Cisco Integrated Service Router (ISR) 4000 Series	>=15.3(2)S	Cisco IOS XE 3.12.0S
Cisco Integrated Service Router (ISR) 4221 Series	16.6.1	16.6.1

<sup>1</sup> You must enable NETCONF for the Cisco ASR 9000 router or for any other Cisco device that requires NETCONF support in their device pack. For more information about this requirement, see the "Required Device Configuration" section in the *Cisco Network Visibility Application for APIC-EM User Guide*.

## Supported Cisco Wireless LAN Controllers

The following table lists the supported Cisco wireless LAN controllers for this Network Visibility release.

**Table 3: Supported Cisco Wireless LAN Controllers**

Supported Wireless LAN Controllers <sup>2</sup>	Minimum Software Version	Recommended Software Version
Cisco 2500 Series Wireless Controller	All versions	Cisco AireOS 8.1.131.0
Cisco 5500 Series Wireless Controller	All versions	Cisco AireOS 8.1.131.0
Cisco 5520 Series Wireless Controller	All versions	Cisco AireOS 8.1.131.0
Cisco 5760 Series Wireless LAN Controller	All versions	Cisco IOS XE 3.3.3SE
Cisco 8500 Series Wireless Controller	All versions	Cisco AireOS 8.1.131.0
Cisco 8540 Series Wireless Controller	All versions	Cisco AireOS 8.1.131.0
Cisco Wireless Services Module 2 (WiSM2)	8.1.131.0	Cisco AireOS 8.1.131.0

<sup>2</sup> On certain WLCs, you need to configure SNMP traps. See the "Required Device Configuration" section in the *Cisco Network Visibility Application for APIC-EM User Guide* for additional information about this configuration requirement.

## Supported Cisco Service Modules

The following table lists the supported Cisco service modules for this Cisco Network Visibility release.

**Table 4: Supported Cisco Service Modules in Cisco ISR G2**

Supported Service Modules in Cisco ISR G2	Minimum Software Version	Recommended Software Version
Cisco 2900 (SM-ES2-16-P, SM-ES2-24-P, SM-D-ES2-48)	>=12.2	Cisco IOS 15.0(2)SE8, 12.2(55)SE10

Supported Service Modules in Cisco ISR G2	Minimum Software Version	Recommended Software Version
Cisco 3900 (SM-ES3-16-P, SM-ES3-24-P, SM-D-ES3-48-P)	>=12.2	Cisco IOS 15.0(2)SE8, 12.2(55)SE10

## Supported Cisco Adaptive Security Appliances (ASA)

The following tables list the supported Cisco Adaptive Security Appliances (ASA) for this Network Visibility release.



### Note

Cisco ASA support is at a basic service level for this release, including Discovery and Inventory. There is no support for Cisco ASA in Path Trace and Topology, since Cisco ASA does not support CDP and it is not currently possible to identify link and path through the Cisco ASA appliance.

**Table 5: Cisco Adaptive Security Appliances (ASA)**

Device Type	Software Version
Cisco Adaptive Security Virtual Appliance (ASAv)	All versions

The following table lists the supported Cisco ASA-5500 Series ASAs.

**Table 6: Cisco ASA-5500 Series Adaptive Security Appliances**

Device Type	Software Version
Cisco ASA-5505 Adaptive Security Appliance	All versions
Cisco ASA-5510 Adaptive Security Appliance	All versions
Cisco ASA-5510 Adaptive Security Appliance Security Context	All versions
Cisco ASA-5520 Adaptive Security Appliance	All versions
Cisco ASA-5520 Adaptive Security Appliance Security Context	All versions
Cisco ASA-5540 Adaptive Security Appliance	All versions
Cisco ASA-5540 Adaptive Security Appliance Security Context	All versions
Cisco ASA-5550 Adaptive Security Appliance	All versions

Device Type	Software Version
Cisco ASA-5550 Adaptive Security Appliance Security Context	All versions
Cisco ASA-5560 Adaptive Security Appliance	All versions
Cisco ASA-5580 Adaptive Security Appliance	All versions
Cisco ASA-5580 Adaptive Security Appliance Security Context	All versions
Cisco ASA-5585 Adaptive Security Appliance	All versions
Cisco ASA-5585 Adaptive Security Appliance Security Context	All versions

The following table lists the supported Cisco ASA 5500-X Series Next-Generation Firewalls.

**Table 7: Cisco ASA 5500-X Series Next-Generation Firewalls**

Device Type	Software Version
Cisco ASA 5512-X Adaptive Security Appliance	All versions
Cisco ASA 5512-X Adaptive Security Appliance with No Payload Encryption	All versions
Cisco ASA 5515-X Adaptive Security Appliance	All versions
Cisco ASA 5515-X Adaptive Security Appliance with No Payload Encryption	All versions
Cisco ASA 5525-X Adaptive Security Appliance	All versions
Cisco ASA 5525-X Adaptive Security Appliance with No Payload Encryption	All versions
Cisco ASA 5545-X Adaptive Security Appliance	All versions
Cisco ASA 5545-X Adaptive Security Appliance with No Payload Encryption	All versions
Cisco ASA 5555-X Adaptive Security Appliance	All versions
Cisco ASA 5555-X Adaptive Security Appliance with No Payload Encryption	All versions

## Supported Cisco Industrial Ethernet Switches

The following tables lists the supported Cisco industrial Ethernet switches for this Network Visibility release.

**Table 8: Supported Cisco Industrial Ethernet Switches**

Supported Industrial Ethernet Switches	Minimum Software Version	Recommended Software Version
Cisco Industrial Ethernet 2000 Series Switches	>=12.2	15.0.2-EA1
Cisco Industrial Ethernet 3000 Series Switches	>=12.2	15.0.2-EA1
Cisco Industrial Ethernet 4000 Series Switches	>=12.2	15.2.5E

## Service and Support

### Troubleshooting

See the *Cisco Application Policy Infrastructure Controller Enterprise Module Troubleshooting Guide*, for troubleshooting procedures.

### Related Documentation

The following publications are available for the Cisco APIC-EM:

#### Cisco APIC-EM Controller Documentation

For this type of information...	See this document...
Release information, including new features, system requirements, and open and resolved caveats.	<i>Cisco Application Policy Infrastructure Controller Enterprise Module Release Notes</i>
Installation and configuration of the controller, including post-installation tasks.	<i>Cisco Application Policy Infrastructure Controller Enterprise Module Installation Guide</i>
Introduction to the Cisco APIC-EM GUI and its applications.	<i>Cisco Application Policy Infrastructure Controller Enterprise Module Quick Start Guide</i> <a href="#">3</a>
Configuration of user accounts, RBAC scope, security certificates, authentication and password policies, and global discovery settings. Monitoring and managing Cisco APIC-EM services. Backup and restore. Cisco APIC-EM APIs.	<i>Cisco Application Policy Infrastructure Controller Enterprise Module Administrator Guide</i>

For this type of information...	See this document...
Troubleshooting the controller, including the installation, services, and passwords. Developer console. How to contact the Cisco Technical Assistance Center (TAC).	<i>Cisco Application Infrastructure Controller Enterprise Module Troubleshooting Guide</i>
Tasks to perform before updating the controller to the latest version. Software update instructions. Tasks to perform after an update.	<i>Cisco Application Infrastructure Controller Enterprise Module Upgrade Guide</i>

<sup>3</sup> Available from the APIC-EM controller **System Info** window.

### Cisco Active Advisor Application Documentation

For this type of information...	See this document...
Release information, including open and resolved caveats for the Cisco Active Advisor application.	<i>Cisco Active Advisor for APIC-EM Release Notes</i>

### Cisco EasyQoS Application Documentation

For this type of information...	See this document...
Release information, including open and resolved caveats for the Cisco EasyQoS application.	<i>Cisco EasyQoS Application for APIC-EM Release Notes</i>
Supported platforms and software releases.	<i>Cisco EasyQoS Application for APIC-EM Supported Platforms</i>
Installation of the application. (This application is installed as part of the Cisco APIC-EM controller software.)	<i>Cisco Application Policy Infrastructure Controller Enterprise Module Installation Guide</i>
Configuration of quality of service policies on the network devices in your network.	<i>Cisco EasyQoS Application for APIC-EM User Guide</i>



**Cisco Integrity Verification Application Documentation**

<b>For this type of information...</b>	<b>See this document...</b>
Release information, including open and resolved caveats for the Cisco Integrity Verification application.	<i>Cisco Integrity Verification Application (Beta) on APIC-EM Release Notes</i>
Using the Cisco Integrity Verification application.	<i>Cisco Integrity Verification Application (Beta) on APIC-EM User Guide</i>

**Cisco IWAN Application Documentation**

<b>For this type of information...</b>	<b>See this document...</b>
Release information, including open and resolved caveats for the Cisco IWAN application.	<i>Cisco IWAN Application on APIC-EM Release Notes</i>
Using the Cisco IWAN application.	<i>Cisco IWAN Application on APIC-EM User Guide</i>

**Cisco Network Plug and Play Application Documentation**

<b>For this type of information...</b>	<b>See this document...</b>
Release information, including open and resolved caveats for the Cisco Plug and Play application. Supported Cisco devices for Cisco Network Plug and Play.	<i>Release Notes for Cisco Network Plug and Play</i>
Configuration of devices using Cisco Network Plug and Play.	<i>Configuration Guide for Cisco Network Plug and Play on Cisco APIC-EM</i> <i>Cisco Network Plug and Play Agent Configuration Guide</i> or <i>Cisco Open Plug-n-Play Agent Configuration Guide</i> (depending on the Cisco IOS XE release)

For this type of information...	See this document...
<p>Cisco Network Plug and Play solution overview.</p> <p>Main workflows used with the Cisco Network Plug and Play solution.</p> <p>Deployment of the Cisco Network Plug and Play solution.</p> <p>Tasks for using proxies with the Cisco Network Plug and Play solution.</p> <p>Configuration of a DHCP server for APIC-EM controller auto-discovery.</p> <p>Troubleshooting procedures for the Cisco Network Plug and Play solution.</p>	<p><i>Solution Guide for Cisco Network Plug and Play</i></p>
<p>Information about using the Cisco Plug and Play Mobile App.</p>	<p><i>Mobile Application User Guide for Cisco Network Plug and Play</i> (also accessible in the app through Help)</p>

### Cisco Network Visibility Application Documentation

For this type of information...	See this document...
<p>Release information, including open and resolved caveats for the Cisco Network Visibility application.</p>	<p><i>Cisco Network Visibility Application for APIC-EM Release Notes</i></p>
<p>Supported platforms and software releases.</p>	<p><i>Cisco Network Visibility Application for APIC-EM Supported Platforms</i></p>
<p>Installation of the application. (This application is installed as part of the Cisco APIC-EM controller software.)</p>	<p><i>Cisco Application Policy Infrastructure Controller Enterprise Module Installation Guide</i></p>
<p>Network discovery, device and host management, topology maps.</p>	<p><i>Cisco Network Visibility Application for APIC-EM User Guide</i></p>

### Cisco Path Trace Application Documentation

For this type of information...	See this document...
<p>Release information, including open and resolved caveats for the Path Trace application.</p>	<p><i>Cisco Path Trace Application for APIC-EM Release Notes</i></p>
<p>Supported platforms and software releases.</p>	<p><i>Cisco Path Trace Application for APIC-EM Supported Platforms</i></p>

For this type of information...	See this document...
Installation of the application. (This application is installed as part of the Cisco APIC-EM controller software.)	<i>Cisco Application Policy Infrastructure Controller Enterprise Module Installation Guide</i>
Procedures for performing path traces and information about how to understand the path trace results.	<i>Cisco Path Trace Application for APIC-EM User Guide</i>

### Cisco Remote Troubleshooter Application Documentation

For this type of information...	See this document...
Release information, including open and resolved caveats for the Cisco Remote Troubleshooter application.	<i>Cisco Remote Troubleshooter Application on APIC-EM Release Notes</i>
Using the Cisco Remote Troubleshooter application.	<i>Cisco Remote Troubleshooter Application on APIC-EM User Guide</i>

### Cisco Wide Area Bonjour Application Documentation

For this type of information...	See this document...
Release information, including open and resolved caveats for the Cisco Wide Area Bonjour application.	<i>Cisco Wide Area Bonjour Application for APIC-EM Release Notes</i>
Installation, configuration, troubleshooting, and usage of the application.	<i>Cisco Wide Area Bonjour Application for APIC-EM User Guide</i>

### Cisco APIC-EM Developer Documentation

The [Cisco APIC-EM developer website](#) is located on the [Cisco DevNet](#) website

For this type of information...	See this document...
API functions, parameters, and responses.	<a href="#">APIC-EM API Reference Guide</a>
Tutorial introduction to controller GUI, DevNet sandboxes and APIC-EM NB REST API.	<a href="#">Getting Started with Cisco Application Policy Infrastructure Controller Enterprise Module (APIC-EM)</a>
Hands-on coding experience calling APIC-EM NB REST API from Python.	<a href="#">APIC-EM Learning Labs</a>

## Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at:

<http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html>

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