Release Notes for Cisco Plug and Play Connect, Release 1.0x

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These release notes apply to the following software releases of Cisco Plug and Play Connect:

- General Availability Release 1.0

These release notes contain the following sections:

Introduction

The Cisco Plug and Play Connect cloud service works with your Smart Account and the Cisco Network Plug and Play solution to provide automatic plug and play server discovery when other methods such as DHCP or DNS are not available. A Cisco network device contacts the Plug and Play Connect cloud service to obtain the IP address of the appropriate plug and play server that is defined for your organization. The Plug and Play Connect web portal is linked to Cisco Commerce Workspace (CCW), facilitating automatic registration of the serial numbers and PIDs of purchased devices in Plug and Play Connect, and these can then be synced to the Cisco Network Plug and Play application in the APIC-EM. For more information, see the Plug and Play Connect website:
http://www.cisco.com/c/en/us/buy/smart-accounts/plug-play-connect.html

Cisco Plug and Play Connect requires a Smart Account during device procurement. Simply assign a Smart Account when you order eligible products with Cisco Network Plug and Play in CCW.

What's New in July 2017 Release

Users with Virtual Account Admin and Virtual Account User roles have access to all of the Cisco Plug and Play Connect cloud service functionality. Previously, only Smart Account Admins had access.

Note: The Click to Accept agreement can be accepted only by users with the Smart Account Admin role.

Supported Platforms and Software Requirements

The following tables list Cisco routers, switches, wireless access points, NFVIS platforms, and minimum software releases that support Cisco Plug and Play Connect.

Table 1 Supported Cisco Switches

Platform	Models	Software Release (Minimum Supported)
Cisco Catalyst 2960 Series Switches	2960-C 2960-Plus 2960-S 2960-SF 2960-X 2960-XR	15.2.2E3, 15.2.3E2, 15.2.4E[1]
	2960-CX[2]	15.2.3E2, 15.2.4E[1]
	2960-L	15.2.5E
Cisco Catalyst 3560 Series Switches	3560-C 3560-X	15.2.2E3
	3560-CX[2]	15.2.3E2, 15.2.4E[1]
Cisco Catalyst 3650 Series Switches	3650	3.6.5E, 3.7.4E, 16.3.3
	3650-24PDM 3650-48FQM	16.3.3
Cisco Catalyst 3750-X Series Switches	3750X	15.2.2E3, 15.2.4E[1]
Cisco Catalyst 3850 Series Switches	3850	3.6.5E, 3.7.4E, 16.3.3
	3850-12X48U[2] 3850-12XS[2] 3850-16XS[2] 3850-24XS[2] 3850-32XS[2]	3.7.4E, 16.3.3
	3850-48XS	3.7.4E, 16.3.3
Cisco Catalyst 4500 Series Switches	Supervisor 6-E/6L-E Supervisor 7-E/7L-E Supervisor 8-E	3.6.5E, 3.7.4E, 3.8.2E, 3.9.0E
Cisco Catalyst 4500-X Series Switches	4500X-16, 32	3.6.5E, 3.7.4E, 3.8.2E, 3.9.0E
Cisco Catalyst 4900 Series Switches	4900M 4948E	15.2.2E3, 15.2.3E2, 15.2.4E[1]
Cisco Catalyst 9300 Series Switches	9300	16.5.1a
Cisco Catalyst 9400 Series Switches	9400	16.6.1
Cisco Catalyst 9500 Series Switches	9500	16.5.1a
Cisco Industrial Ethernet 2000 Series Switches	IE2000	15.2.2E3, 15.2.3E2, 15.2.4EA[1]
Cisco Industrial Ethernet 3000 Series Switches	IE3000	15.2.2E3, 15.2.3E2, 15.2.4EA[1]
Cisco Industrial Ethernet 4000 Series Switches	IE4000	15.2.4EA5
Cisco Industrial Ethernet 5000 Series Switches	IE5000	15.2.4EA5

1. The non-VLAN 1 feature is not supported on release 15.2.4E.
2. Limited feature support: Trustpool support for devices with smaller NVRAM space is only by using the DHCP options T and Z.

Table 2 Supported Cisco Routers

Platform	Models	Software Release (Minimum Supported)
Cisco 800 Series Routers	819	15.5(3)M1
	866 867 881 886 887 888 891 892 896 897 898 899	15.5(3)M
Cisco 1900 Series Integrated Services Routers	1905 1921 1941	15.5(3)M
Cisco 2900 Series Integrated Services Routers	2901 2911 2921 2951	15.5(3)M
Cisco 3900 Series Integrated Services Routers	3925 3925E 3945 3945E	15.5(3)M
Cisco 4000 Series Integrated Services Routers	4221	16.5.1b
	4321 4331 4351 4431 4451-X	15.5(3)S
Cisco ASR 1000 Series Aggregation Services Routers	ASR1001-X ASR1001-HX ASR1002-X ASR1002-HX ASR1004 ASR1006 ASR1006-X ASR1009-X ASR1013	16.3.2[1] 16.4.1[2]
Cisco Cloud Services Router	CSR 1000V[3]	15.5(3)S

1. The ASR 1000 Series routers support Plug and Play discovery on the management interface beginning with Release 16.3.2.
2. The ASR 1000 Series routers support Plug and Play discovery on the non-management interfaces beginning with Release 16.4.1.
3. The CSR 1000v router supports Plug and Play discovery only on an ISO deployment, not when deployed with an OVA.

Table 3 Supported Cisco Wireless Access Points

Platform[1]	Models	Software Release (Minimum Supported)
Cisco Aironet 700 Series	702i 702w	8.2
Cisco Aironet 1600 Series	1602e 1602i	8.2
Cisco Aironet 1700 Series	1702i	8.2
Cisco Aironet 1800 Series	OEAP1810 1810w 1830i 1832i 1852e 1852i	8.3
	1815i, 1815w	8.4
	1815m, 1815t	8.5
Cisco Aironet 2600 Series	2602e 2602i	8.2
Cisco Aironet 2700 Series	2702e 2702i	8.2
Cisco Aironet 2800 Series	2802e 2802h 2802i	8.3
Cisco Aironet 3600 Series	3602e 3602i 3602p	8.2
Cisco Aironet 3700 Series	3702e 3702i 3702p	8.2
Cisco Aironet 3800 Series	3802e 3802i 3802p	8.3

1. The Flexgroup feature for the Cisco Aironet 700 Series, 1600 Series, 1700 Series, 2600 Series, 2700 Series, 3600 Series, and 3700 Series APs is available with the AireOS 8.3 release.

Table 4 Supported NFVIS Platforms

Platform	Models	Software Release (Minimum Supported)
Cisco ENCS	ENCS5406/K9 ENCS5408/K9 ENCS5412/K9	3.5.1
Cisco UCS-C Series	UCSC-C220-M4S	3.5.1
Cisco UCS-E Series	UCS-E180D-M2/K9 UCS-E160S-M3/K9 UCS-E160D-M2/K9 UCS-E140S-M2/K9	3.5.1

Note: Only official software releases obtained from the Cisco.com software download website are supported for image deployment. Engineering builds are not supported.

Enhanced Capabilities with Cisco IOS XE Everest 16.5.1

For Cisco network devices running Cisco IOS XE Everest 16.5.1 or later, Plug and Play Connect can take advantage of additional capabilities built into the Plug and Play IOS Agent in the device, as follows:

- Support for standard and non-standard HTTP/HTTPS ports. Earlier releases support only the standard ports of 80/443.
- Support for certificate installation to initialize an HTTPS connection to an on-premises APIC-EM controller. Earlier releases do not support certificate installation.
- Support for both primary and secondary controllers in the PNP profile for redundancy (designed for Network Services Orchestrator). Earlier releases support only a primary controller.
- Network devices contact the Plug and Play Connect service every 10 minutes to get controller information. Network devices with earlier releases contact the Plug and Play Connect service every 3 minutes.

Plug and Play Connect Support for Configurations

The Plug and Play Connect web portal allows you to optionally associate a device with a configuration or configuration template that you have uploaded to the web portal. The configuration is applied to the device when it contacts the Plug and Play Connect web portal. This feature requires a device enabled with the secure unique device identifier (SUDI). You must enter the SUDI serial number of the device in the Plug and Play Connect web portal.

This feature is in Beta release and is supported on the following platforms:

- Catalyst 3850 Series with software releases 3.6.5E or 16.1.3 or later
- Catalyst 3650 Series, with software releases 3.6.5E, 3.7.4E, or 16.1.3 or later

Redirecting a Device That Has Been Assigned a Loopback Profile

If a device in the Plug and Play Connect portal is not associated with any APIC-EM controller profile or configuration within 24 hours of its first contact with the portal, the device is deemed as not intended for using Plug and Play Connect and is assigned a loopback profile (127.0.0.1) by the portal.

If you want to redirect this device to a controller later, follow these steps:

1. Define a controller profile in the Plug and Play Connect portal.
2. Associate the device with that controller profile.
3. Reset the device to a factory default state. For details, see the section "Network Device Troubleshooting" in the Solution Guide for Cisco Network Plug and Play.
4. Reload the device to cause it to recontact the Plug and Play Connect portal, where it will be redirected to the specified controller. Note that the reload is included in the reset procedures linked in Step 3.

Related Documentation

- Plug and Play Connect website—Documentation for Plug and Play Connect.
- Release Notes for Cisco Network Plug and Play—Release Notes for Cisco Network Plug and Play.

- Solution Guide for Cisco Network Plug and Play—Solution Guide for the Cisco Network Plug and Play solution.
- Configuration Guide for Cisco Network Plug and Play on Cisco APIC-EM—Describes how to use the Network Plug and Play application in the APIC-EM to configure Cisco network devices.
- Cisco Open Plug-n-Play Agent Configuration Guide—Describes how to configure the Cisco Open Plug-n-Play Agent software application that runs on a Cisco IOS or IOS-XE device.
- Mobile Application User Guide for Cisco Network Plug and Play—Describes how to use the Cisco Network Plug and Play mobile application.
- Cisco Application Policy Infrastructure Controller Enterprise Module Deployment Guide—Describes how to deploy and troubleshoot the Cisco APIC-EM.
- Cisco Application Policy Infrastructure Controller Enterprise Module Configuration Guide—Describes how to configure settings for the Cisco APIC-EM.
- Release Notes for the Cisco Application Policy Infrastructure Controller Enterprise Module—Release Notes for the Cisco APIC-EM.
- Release Notes for Cisco Intelligent Wide Area Network Application (Cisco IWAN App)—Release Notes for Cisco IWAN.
- Software Configuration Guide for Cisco IWAN on APIC-EM—Configuration Guide for Cisco IWAN.
- *Cisco APIC-EM Quick Start Guide*—Guide to getting started with the APIC-EM and including a list of related documentation (available in the APIC-EM GUI).
- Open Source Used In Cisco APIC-EM—List of open source code used in the Cisco APIC-EM.
- Open Source Used In Cisco Network Plug and Play—List of open source code used in the Cisco Network Plug and Play application for APIC-EM.

Obtain Documentation and Submit 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*.

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