Cisco Prime Infrastructure 3.6 Release Notes

Last Updated: 09 May 2019

This document contains the following sections:

Introduction

Cisco Prime Infrastructure is a network management tool that supports lifecycle management of your entire network infrastructure from one graphical interface. Prime Infrastructure provides network administrators with a single solution for provisioning, monitoring, optimizing, and troubleshooting both wired and wireless devices. Robust graphical interfaces make device deployments and operations simple and cost-effective.

- For information on server and web client requirements, see the *Understand the System Requirements* section of the *Cisco Prime Infrastructure 3.6 Quick Start Guide*.

- For information about installing this release of Prime Infrastructure, see the *Installation Options* section in the *Cisco Prime Infrastructure 3.6 Quick Start Guide.*

- For information about upgrading from previous releases of Prime Infrastructure, including the list of versions from which you can upgrade, see the *How to Perform an Inline Upgrade* section of the *Cisco Prime Infrastructure 3.6 Quick Start Guide*.

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- For detailed information on licensing, see the *Cisco Prime Infrastructure 3.x Ordering and Licensing Guide*.

Submitting Feedback

Your feedback will help us improve the quality of our product. You must configure the email server and then enable data collection to configure the feedback tool. To send your feedback, follow these steps:

Step 1   If you have configured your mail server, go to Step 4.

Step 2   Choose **Administration** > **Settings > System Settings** > **Mail and Notification > Mail Server Configuration**.

Step 3   In the Mail Server Configuration page, enter the mail server details, then click **Save** to save the configuration settings.

Step 4   Choose **Administration** > **Settings > System Settings** > **General > Help Us Improve**.

Step 5   In the Help Us Improve Cisco Products page, select **Yes, collect data periodically**, then click **Save**.

Step 6   Click the Settings icon, then select **Feedback > I wish this page would**.

Step 7   Enter your feedback, then click **OK**.

Supported Devices

To see the list of devices supported in this release of Prime Infrastructure:

Step 1   Log in to Prime Infrastructure.

Step 2   Click the wheel icon at the top right, then click **Supported Devices**.

For detailed information on the software compatibility for the Cisco wireless devices, see the following URL:

http://www.cisco.com/en/US/docs/wireless/controller/5500/tech_notes/Wireless_Software_Compatibility_Matrix.html

Note   Prime Infrastructure does not support non-admin virtual device context (VDC) on Nexus devices.

Supported Wireless LAN Controller Hardware Models

Table 1 lists the Prime Infrastructure supported devices for switches, WLCs, Access Points (APs), ISEs, and MSEs.

Table 1   Supported Device Matrix for Switches, Cisco WLC, MSE, ISE, and AP

Supported Switches	Supported Controllers	Supported MSE Devices	Supported ISE Devices	Supported Lightweight APs	Supported Autonomous APs	Remarks
Catalyst 3560 Series Switches [Cisco IOS Release 12.2(50)SE] Catalyst 3650 Series Ethernet Stackable Switch* Catalyst 3750 Switches [Cisco IOS Release 12.2(50)SE] Catalyst 3850 Series Ethernet Stackable Switch* Catalyst 3550 Series Ethernet Stackable Switch Catalyst 4500 Switches [Cisco IOS Release 12.2(50)SG]*	Catalyst 9800-40 Wireless Controller Catalyst 9800-80 Wireless Controller Catalyst 9800-CL Wireless Controller for Cloud Cisco 3504 Wireless Controller Cisco 8540 Wireless Controller Cisco 8510 Wireless Controller Cisco 5520 Wireless Controller Cisco 5508 Wireless Controller Cisco 4400 Series Wireless Controllers Cisco 2504 Wireless Controller Cisco Flex 7510 Wireless Controllers Cisco Virtual Controller Cisco Wireless Service Module (WiSM) Cisco Wireless Service Module 2 (WiSM2) Cisco Wireless Controller on Cisco Services-Ready Engine (WLCM2 on SRE)	Cisco 3355 Mobility Services Engine Cisco MSE Virtual Appliance MSE 8.0.150.0 CMX-10.4.x CMX-10.5.x CMX-10.6.x	Cisco ISE 2.6 Cisco ISE 2.4 Cisco ISE 2.3 Cisco ISE 2.2 Cisco ISE 2.1 Cisco ISE 2.0 Cisco ISE 1.4 with the required patch[1] Cisco ISE 1.3 Cisco ISE 1.2	Cisco Catalyst 9115AXE AP Cisco Catalyst 9115AXI Series Cisco Catalyst 9117AXI AP Cisco Aironet 4800 AP Cisco Aironet 3800i AP Cisco Aironet 3800e AP Cisco Aironet 3800p AP Cisco Aironet 3700i AP Cisco Aironet 3700e AP Cisco Aironet 3700p AP Cisco Aironet IW 3700 AP Cisco Aironet 3600i AP Cisco Aironet 3600e AP Cisco Aironet 3600p AP Cisco Aironet 3500i AP Cisco Aironet 3500e AP Cisco Aironet 3500p AP Cisco Aironet 2800i AP Cisco Aironet 2800e AP Cisco Aironet 2700i AP Cisco Aironet 2700e AP Cisco Aironet 2700p AP Cisco Aironet 2600i AP Cisco Aironet 2600e AP Cisco Aironet 1850i AP Cisco Aironet 1850e AP Cisco Aironet 1830i AP Cisco Aironet 1815i AP Cisco Aironet 1815w AP Cisco Aironet 1815t AP Cisco Aironet 1815m AP Cisco Aironet 1810 OfficeExtend Series AP Cisco Aironet 1810w AP Cisco Aironet 1800i AP Cisco Aironet 1700i AP Cisco Aironet 1700E AP Cisco Aironet 1600i AP Cisco Aironet 1600e AP Cisco Aironet 1572IC AP Cisco Aironet 1572EAC AP	Cisco Aironet 3700 Series APs Cisco Aironet 3600 Series APs Cisco Aironet 3500 Series APs Cisco Aironet 2700 Series AP Cisco Aironet 2600 Series APs Cisco Aironet 1700 Series APs Cisco Aironet 1600 Series APs Cisco Aironet 1550 Series APs Cisco Aironet 1530 Series APs Cisco Aironet 1570 Series APs Cisco Aironet 1260 Series APs Cisco Aironet 1140 Series APs Cisco Aironet 1040 Series APs Cisco Aironet 700W APs Cisco Aironet 702I Series APs Cisco Aironet 800 Series ISR Cisco Aironet 1310 and 1410 Bridges, Cisco IW3700 series APs.	*Also acts as Cisco Wireless Controller.

Table 1   *Supported Device Matrix for Switches, Cisco WLC, MSE, ISE, and AP (continued)*

Supported Switches	Supported Controllers	Supported MSE Devices	Supported ISE Devices	Supported Lightweight APs	Supported Autonomous APs	Remarks
Catalyst 6500 Switches [Cisco IOS Release 12.2(33)SXI] and [Cisco IOS XE 03.07.00.E] Cisco NAM 2304 Appliance Cisco NAM 2320 Appliance Cisco IE 2000 Series Switches.	Cisco 5760 Wireless LAN Controller Cisco 5760 Wireless LAN Controller (STACK) The following Cisco Mobility Express Controllers are supported: - Cisco Aironet 4800 AP - Cisco Aironet 2800 AP - Cisco Aironet 3800 AP - Cisco Aironet 1850 AP - Cisco Aironet 1830 AP - Cisco 1815 Series Controllers - Cisco 1540 Series Controllers - Cisco 1560 Series Controllers			Cisco Aironet 1562I AP Cisco Aironet 1562E AP Cisco Aironet 1562D AP Cisco Aironet 1562 PS AP Cisco Aironet 1552C AP Cisco Aironet 1552CU AP Cisco Aironet 1552E AP Cisco Aironet 1552EU APCisco Aironet 1552H AP Cisco Aironet 1542I AP Cisco Aironet 1542D AP Cisco Aironet 1532I AP Cisco Aironet 1200 AP Cisco Aironet 1140 AP Cisco Aironet 1130 AG AP Cisco Aironet 1040 AP Cisco Aironet 700 AP Cisco Aironet 702W AP Cisco Aironet 600 Series OfficeExtend AP		

1.If you are using Cisco ISE 1.4, you must have the patch
ise-patchbundle-1.4.0.253-Patch3-141133.x86_64.tar.gz, which you can get from the following location:
https://software.cisco.com/download/release.html?mdfid=283801620&flowid=26081&softwareid=28380250
5&release=1.4&relind=AVAILABLE&rellifecycle=&reltype=latest.

New Features and Enhancements

This section provides a brief description of new features and enhancements in this release. For more information about the features and benefits, as well as hardware and software specifications, see the Cisco Prime Infrastructure 3.6 Data Sheet at:

http://www.cisco.com/c/en/us/products/cloud-systems-management/prime-infrastructure/datasheet-listing.html

Wired

Administration Dashboard Enhancements

- **Administration > Dashboards > Job Dashboard> User Jobs** - New user job "**Device Bulk Edit**" is created when you perform bulk edit operation for more than nine devices under Inventory > Device Management > Network Devices.

- **Administration > Dashboards > Job Dashboard> Job Approval -** New column name "Approved By" and "Status" is included to view the job approver and the current status of the job. Also included new expandable pane to view the device details for which the job is triggered.

- Also included new filter options such as "Pending-Approval", "Approved", "Rejected" and "Expired_Before_Approval". Default filter option is "Pending-Approval".

- **Administration > Dashboards > System Monitoring Dashboard > Overview dashboard** - New Virtual domain summary dashlet is included to view the association between virtual domains and the users. Also the members without virtual domain association. It allows you to export the list of respective associations.

Administration Settings Enhancements

- **Administration > Settings > System Settings**

  – Under Mail and Notification > Job Notification Mail - Included separate job status options named Success and Failure.

  – Under Mail and Notification > Mail Server Configuration - A new check box, Enable TLS, is added to allow users to transfer data through an encrypted connection.

Dashboard Enhancements

- Dashboard -> Performance -> End user experience - A new dashboard filter named 'Client' is included.

Monitoring Tools Enhancements

- Monitor > Monitoring Tools > IPSLA Real Time Monitoring- Allows you to analyze and monitor the devices to extract detailed information on various parameters.

- Monitor > Monitoring Tools > Manage and Monitor Servers - Allows you to troubleshoot any of the available Cisco Prime Infrastructure Servers by selecting a desired option from the Actions list box that appears after clicking the Troubleshoot button.

Monitoring Enhancements

- **Monitor > Managed Elements > Network Devices** - Allows you to view the details of the Meraki group of devices associated to the network.

Wireless

Monitoring Enhancement

New column introduced in **Configuration / Network / Network Devices / Unified Access Points** page to track the downtime of Unified APs.

Cisco Catalyst 9800 Series Controller Enhancements

Prime Infrastructure 3.6 supports the following features for Catalyst 9800 Series Wireless Controller:

- Under **Configuration / Templates / Features and Technologies / Controller / mDNS (Non-AireOS)**

    – EoGRE Configuration

    – Native Profiling Configuration

    – mDNS Configuration

- LAG (Link Aggregation) for FlexConnect

- Device level configuration for RF Tag (**Configuration / Network Devices / Wireless Controller / 9800 Series Wireless Controller for Cloud / Device / Configuration / RF Group**)

- Device level monitoring for Site Tag (**Configuration / Network Devices / Wireless Controller / 9800 Series Wireless Controller for Cloud / Device / Device Details / Site Groups**)

- Create Users with Lobby Admin role (**Configuration / Templates / Features and Technologies / Controller / Management / Local Management User**)

Access Points Enhancements

In release 3.6, Prime Infrastructure introduces support for:

    – Cisco Industrial Wireless 3700 Series (Autonomous) APs.

    – Cisco Catalyst 9115AX Series and Catalyst 9117AX Series APs.

Configuration Enhancements

- **Configuration / Templates / Features and Technologies / Controller / FlexConnect /** You can now create FlexConnect Group Templates, and add users and APs to them in bulk using a *.csv* file.

- You can now configure 802.11ax parameters for WLANs.

- Hyperlocation configuration on an AP group is now merged into a one-step process.

Reports

- **Reports > Report Launch Pad > Device > Port Reclaim Report> New Port Reclaim Report**

    – Under **Report Type** filter - Includes new category named "**Unused Up and Down**".

    – Under **Report By** filter- Includes new category named "**Port Groups**".

- **Reports > Report Launch Pad > Fault**

    – Allows you to create new alarms, events, or syslog reports.

- **Reports > Scheduled Run Results**

    – Allows you to export the scheduled report results to a csv file.

- **Reports > Saved Report Templates**

- Allows you to export the saved report results to a csv file.

- **Reports > Report Launch Pad**

  - Under edit report criteria, during device selection it will display the Host name for all the devices in the report filter criteria.

Important Notes

This section contains important notes about Prime Infrastructure.

- Cisco Prime Infrastructure does not support Data Center from Release 3.6. For more information see End-of-Sale and End-of-Life Announcement for the Cisco Prime Infrastructure Data Center.

- Cisco Prime Infrastructure does not support monitoring for Cisco Application Control Engine (ACE) module, because ACE has been moved to end-of-life and does not respond to related monitoring MIBs.

- In Prime Infrastructure after backup and restore, the huge amount of empty partitions from Alarm table fails to drop the old partitions. For more information see Techzone on how to drop partition.

- Prime Infrastructure can handle 7k interfaces per device. It takes only a few hours for the inventory sync-up to complete for the devices within this range. For devices with more than 7k interfaces, a few days will be required for the sync-up and if the interfaces range exceeds 10k, server downtime is experienced.

- When you migrate to Catalyst 9800 devices from the Prime Infrastructure-DNA Center co-existence tool, the Catalyst 9800 devices support aided for DNA Center 1.2.8 and above moves the WLC to DNA Center and the devices to the collection failure sync state on Netconf feature failure. This is because the Catalyst 9800 devices support expects you to enter a value for the "**Netconf Port**" field and the SSH credentials so as to be managed by DNA Center. You can also manage the Catalyst 9800 devices manually by entering a value for the **Netconf Port** field and the SSH credentials in DNA Center and then re-sync.

- Clear Air monitoring does not support 9800 series WLANs from the following Prime Infrastructure references :

  – Reports > Report Launch Pad > Device > Inventory

  – Monitor > Wireless Technologies > Access Point Radios

  – Maps > Wireless Maps > Site Maps

Open Caveats

Table 2 lists the open caveats in Prime Infrastructure Release 3.6.

Click the identifier to view the impact and workaround for the caveat. This information is displayed in the Bug Search Tool. You can track the status of the open caveats using the Bug Search Tool.

Table 2   **Open Caveats**

Identifier	Description
CSCvd50705	Table- Select all checkbox using latest Chrome doesn't work on Windows 10.
CSCvg02849	S&P:3.3.0.167: Facing issue in Reports for Save & Email Option.
CSCvi50467	Deletion of 1000+ APs does not reflect in Front end (UI).
CSCvk33859	Severity/Auto clear duration is been allowed to set for the categories in Alarm Severity page.
CSCvm11769	Alarm summary cross launch issue in topology page.

Table 2   *Open Caveats*

CSCvn27150	Prime Infrastructure: Some items/functions in Prime Infrastructure are not Virtual Domain aware so user can disrupt for another.
CSCvo35095	Count mismatch between fault report and actual records.
CSCvo39156	After upgrading Prime Infrastructure to 3.5, the hostname with upper case is changed to lower case.
CSCvo40678	Facing errors during fresh installation of Prime Infrastructure 3.6
CSCvo44924	Upgrade Analysis displays invalid data in RAM Requirement for few series of devices.
CSCvo59684	APP health is not GREEN in IWAN APP after successful deployment of HUB \ and Branch sites.
CSCvo68179	Unable to add APs in Planning Mode (Old & New Maps).
CSCvo70447	Fresh Deployment of Prime Infrastructure 3.5 will not boot, when SCSI controller is changed to Paravirtual.
CSCvo74610	NBI user is not redirected to login page after unsuccessful login.
CSCvo74920	Upgrade to 3.6 from 3.5 ensure Post Upgrade hooks are completed.
CSCvo76227	Prime Infrastructure 3.5 and 3.6 sometimes interchanges the network interface mapped in VM, when using 2 NIC.
CSCvo78055	CLI "kron occurrence" not generating backups.
CSCvo78428	Issue in sorting "Client Count" or "Serial Number" column for meraki devices.
CSCvo83252	Prime Infrastructure 3.5 and 3.6 fresh installation on DNAC appliance, used the 10Gps at the eth0.
CSCvo89013	Rogue APs (Updated) report in Prime Infrastructure intermittently fails when run via API.
CSCvp23356	Prime Infrastructure 35 + restore another setup Prime Infrastructure 35 backup + upgrade to 3.6 observed with HA authentication key issue.

Resolved Caveats

The following caveats were resolved in this release. You can view additional information about these caveats in the Bug Search Tool.

Table 3   Resolved Caveats

Identifier	Description
CSCvo22842	Cisco Prime Infrastructure Health Monitor HA TarArchive Directory Traversal RCE Vulnerability
CSCvo28666	Cisco Prime Infrastructure FileDownloadServlet Directory Traversal Vulnerability
CSCvo28671	Cisco Prime Infrastructure XmpFileUploadServlet Directory remote code exec vuln
CSCvo28677	Cisco Prime Infrastructure XmpLogFilesDownloadServlet Directory Traversal Vulnerability
CSCvo28680	Cisco Prime Infrastructure XmpLogFilesDownloadServlet remote code exec vuln
CSCvo28684	Cisco Prime Infrastructure XmpMultiPathDownloadServlet Directory Traversal Vulnerability
CSCvo65492	/var consumes excessive disk space and Prime Infrastructure goes down
CSCvo21976	Report Criteria not Loading for Most of the Simple Reports and related Automated TC Failed
CSCvo41094	Graphical Reports are Not Loading the data in Internet Explorer browser
CSCvo43490	All the process are stopped after installed the 351 patch
CSCvo15405	Software Image Management Import & distribution job is failing for FTP protocol, MSE component also failing
CSCvo39579	Syslog reports not retrieving data though we have syslogs in syslog viewer
CSCvo61473	After upgrade from 3.5 to 3.6, adding eWLC 16.11 controller - showing collection failure
CSCvo65908	Run, Save and export options are not working for Fault reports in non root domain
CSCvo15293	S&P: Alarm events report is running for more than 40min with scale server
CSCvo43322	S&P:Facing slowness issue in standard server in alarm and events page
CSCvo64347	S&P:memory retention behaviour for MibDataProviderMbl in compliance module
CSCvo15062	Cisco Prime Infrastructure 3.5: Unable to reset admin password from the CLI
CSCvo23357	Cisco Prime Infrastructure Text Injection
CSCvo24419	Software Image Management Servers don't support Windows machines as external servers
CSCvo30140	Cisco Prime Infrastructure 3.3.1 Update 3, DP 4 Update 2 does not show configuration summary of any 3850 device
CSCvo32250	Need to document Client Sessions report has to select only for 31 days
CSCvo33671	Temp folder under /opt directory consumes more disk space due to a huge swap file
CSCvo50005	Cisco Prime Infrastructure HA registration fails due to mismatch versions
CSCvo61321	SNMP connectivity timeout may happen
CSCvo69694	Unable to edit Admin user group in Japanese GUI

Table 3   ***Resolved Caveats***

CSCvo75124	Data cleanup job fails to prune tables with null maxLimit value
CSCvn16172	Config Deploy job's status shows success, but commands are not successfully deployed on the device
CSCvn20463	Cisco Prime Infrastructure 3.3: Meraki device status via API shows wrong reachability status
CSCvn23789	Internal Temperature for Catalyst 9800-80 is shown as '0' in device details page

Related Documentation

You can access additional Cisco Prime Infrastructure documentation at:

http://www.cisco.com/en/US/products/ps12239/tsd_products_support_series_home.html

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at:
http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html.

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