



Cisco Prime Infrastructure 3.5 Release Notes

Last Updated: 27 March 2018



Caution

If you haven't installed Prime Infrastructure 3.5 Update 02 yet, then this is a *****critical mandatory update***** - it should only be installed on a Prime Infrastructure 3.5 server. Also, if you plan to restore a backup of a prior Prime Infrastructure 3.x release on a freshly installed Prime Infrastructure 3.5 server, then install Prime Infrastructure 3.5 Update 02 prior to initiating a restore of that backup. If you are using a VM environment for running Prime Infrastructure, please ensure that the disk is using thick provisioning, otherwise patch install process may take a very long time to complete. If you are unable to download this package directly from cisco.com through Administration -> Software Updates page, then please download this update to your local machine and manually upload and install it through Prime Infrastructure's Software Updates page.



Caution

If you plan to migrate data from Prime Infrastructure 3.5 server to Cisco DNA Center 1.2.6 (or higher), then you should first install the latest update for [Prime Infrastructure 3.5](#) before initiating this migration from the "[Prime Infrastructure - DNA Center](#)" tool page.

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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 3.5 Quick Start Guide](#).
- For information about installing this release of Prime Infrastructure, see the *Installation Options* section in the [Cisco Prime Infrastructure 3.5 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 3.5 Quick Start Guide](#).
- 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:

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- 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**.
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Supported Devices

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

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- 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 9800-40 Wireless Controller	Cisco 3355 Mobility Services Engine	Cisco ISE 2.4	Cisco Aironet 4800 AP	Cisco Aironet 3700 Series APs	*Also acts as Cisco Wireless Controller.
Catalyst 3650 Series Ethernet Stackable Switch*	Catalyst 9800-80 Wireless Controller		Cisco ISE 2.3	Cisco Aironet 3800i AP	Cisco Aironet 3600 Series APs	
Catalyst 3750 Series Switches [Cisco IOS Release 12.2(50)SE]	Catalyst 9800-CL Wireless Controller for Cloud	Cisco MSE Virtual Appliance	Cisco ISE 2.2	Cisco Aironet 3800e AP	Cisco Aironet 3500 Series APs	
Catalyst 3850 Series Ethernet Stackable Switch*	Cisco 3504 Wireless Controller		Cisco ISE 2.1	Cisco Aironet 3800p AP	Cisco Aironet 2700 Series AP	
Catalyst 3550 Series Ethernet Stackable Switch	Cisco 8540 Wireless Controller	Cisco ISE 2.0	Cisco ISE 1.4 with the required patch ¹	Cisco Aironet 3700i AP	Cisco Aironet 2600 Series APs	
Catalyst 4500 Series Switches [Cisco IOS Release 12.2(50)SG]*	Cisco 8510 Wireless Controller	Cisco ISE 1.3	Cisco ISE 1.2	Cisco Aironet 3700e AP	Cisco Aironet 1700 Series APs	
	Cisco 5520 Wireless Controller			Cisco Aironet 3700p AP	Cisco Aironet 1600 Series APs	
	Cisco 5508 Wireless Controller			Cisco Aironet IW 3700 AP	Cisco Aironet 1550 Series APs	
	Cisco 4400 Series Wireless Controllers			Cisco Aironet 3600i AP	Cisco Aironet 1530 Series APs	
	Cisco 2504 Wireless Controller			Cisco Aironet 3600e AP	Cisco Aironet 1570 Series APs	
	Cisco Flex 7510 Wireless Controllers			Cisco Aironet 3600p AP	Cisco Aironet 1260 Series APs	
	Cisco Virtual Controller			Cisco Aironet 3500i AP	Cisco Aironet 1140 Series APs	
	Cisco Wireless Service Module (WiSM)			Cisco Aironet 3500e AP	Cisco Aironet 1040 Series APs	
	Cisco Wireless Service Module 2 (WiSM2)			Cisco Aironet 3500p AP	Cisco Aironet 700W APs	
	Cisco Wireless Controller on Cisco			Cisco Aironet 2800i AP	Cisco Aironet 702I Series APs	
	Services-Ready Engine (WLCM2 on SRE)			Cisco Aironet 2800e AP	Cisco Aironet 800 Series ISR	
				Cisco Aironet 2700i AP	Cisco Aironet 1310 and 1410 Bridges,	
				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 1572EC AP		

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.	<p>Cisco 5760 Wireless LAN Controller</p> <p>Cisco 5760 Wireless LAN Controller (STACK)</p> <p>The following Cisco Mobility Express Controllers are supported:</p> <ul style="list-style-type: none"> • 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 			<p>Cisco Aironet 1562I AP</p> <p>Cisco Aironet 1562E AP</p> <p>Cisco Aironet 1562D AP</p> <p>Cisco Aironet 1562 PS AP</p> <p>Cisco Aironet 1552C AP</p> <p>Cisco Aironet 1552CU AP</p> <p>Cisco Aironet 1552E AP</p> <p>Cisco Aironet 1552EU AP</p> <p>Cisco Aironet 1552H AP</p> <p>Cisco Aironet 1542I AP</p> <p>Cisco Aironet 1542D AP</p> <p>Cisco Aironet 1532I AP</p> <p>Cisco Aironet 1200 AP</p> <p>Cisco Aironet 1140 AP</p> <p>Cisco Aironet 1130 AG AP</p> <p>Cisco Aironet 1040 AP</p> <p>Cisco Aironet 700 AP</p> <p>Cisco Aironet 702W AP</p> <p>Cisco Aironet 600 Series OfficeExtend AP</p>		

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=283802505&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 3.5 Data Sheet at: <http://www.cisco.com/c/en/us/products/cloud-systems-management/prime-infrastructure/datasheet-listing.html>

Wired

Administration Dashboard Enhancements

Job Dashboard—Includes new column named “Job Interval” to display the job recurrence interval.

User Permissions and Device Access Enhancements

- Administration > Users > Users, Roles & AAA
 - The **Users** page allows you to sort the table columns and to search particular data in table column using Quick Filter option.
 - The **Users** page allows you to delete or pause the jobs associated with a stale local user.
 - The **User Groups** page allows to add and delete user defined groups and allows you to filter the columns.
- The Add RADIUS Server and Add TACACS+ Server page allows you test the connectivity of AAA server.

Administration Settings Enhancements

- Administration > Settings > System Settings > General > Data Retention—The Advanced Settings under Performance Data Retain Periods, allows you to edit the maximum number of records retained in the database. The Max Records column value is shown only when it is set in database. For values that are not set in database, a "-" (dash) with appropriate message is displayed.
- Administration > Settings > System Settings > General > DNA Center coexistence — Allows you to migrate devices, location groups, associated site maps and cmx data from Prime Infrastructure to DNA Center and manage your enterprise network over a centralized dashboard. Supported DNA Center versions are 1.2.6.

Change Audit Enhancements

Administration > Settings > System Settings > Mail and Notification > Change Audit Notification—Allows you to select Transport Layer Security (TLS) protocol when you are adding Syslog receivers.

Inventory Enhancements

- Inventory > Network Devices, Under Device Details > System > Physical Ports
 - Includes new column named “VLAN ID” and “VLAN Name” to display vlan details of physical ports.

Alarms and Events Enhancements

- The Events page includes **Take Snapshot** tab to view the paged events.

- Syslog Policy - A new page is included under **Monitor > Monitoring Tools > Syslog Policies** which allows us to create, edit, delete a syslog policies and change the policy ranking.

Dashboard Enhancements

- The Performance Dashboard page includes a link **click here to launch the corresponding report**, to go to the respective Report page, if the number of records exceeds 100 million. Some of the relevant filters will be pre-filled in the Reports page.
- **Network Summary Dashboard** - For timezone, recommended browser versions are Chrome(71+) and Firefox (64+).

Monitoring Tools Enhancements

- Monitor > Monitoring Tools > Performance Graphs
 - When you choose an interface for monitoring, the user defined description of the interface is displayed. Note that only 64 characters of the description will be displayed.
 - The settings icon allows you to select the auto refresh time interval. 30 mins is the default auto refresh time.

Application Visibility and Control Enhancements

- If HA is configured with IPv4 Virtual IP address, the same Virtual IP address is used as AVC exporter value; i.e when AVC is enabled in a device or interface, the Virtual IP address gets automatically fetched in the configuration.

Performance Routing Enhancements

- The SP Health trend charts are enhanced to show only the active Service Providers, by filtering the Service Providers using the time filter.

Configuration Enhancements

- CLI Template—Includes a new System Template Delete_ZBFW_ConfigurationIOS, to delete Zone based Firewall configuration from multiple devices in bulk. Make sure to manually sync the devices before and after the template deployment.

Wireless

Mobility Services Engine (MSE) Enhancements

You can now view site maps data in **Client Details** page when you:

- Search by Client's MAC address using global search.
- Filter by **Clients Detected by MSE** in **Monitor > Monitoring Tools > Clients and Users** page.
- Filter by appropriate type (Associated, Wired, Wireless Clients and so on) in **Monitor > Monitoring Tools > Clients and Users** page.

Wireless Site Maps Enhancements

- CAD 2018 File Import—You can now import CAD 2018 files without the need to convert to older formats.

Cisco Wireless LAN Controller support

- From Release 3.5, Prime Infrastructure supports WLC running Cisco Wireless LAN controller Software Release 8.8.

Cisco MSE Client Accessibility Enhancement

- With Cisco MSE 8.0.150.x and later, Cisco MSE login page is displayed when you click a Cisco MSE host name or IP address from Cisco Prime Infrastructure 3.5. You must then login to display Cisco MSE UI.

Cisco Mobility Express Controller Support

Release 3.5 onwards, Prime Infrastructure supports Cisco Aironet 4800 AP with Mobility Express functionality running AireOS version 8.8 and above.

Lightweight AP Template Enhancement

- Ability to create a duplicate of an existing AP Template
- Ability to sort and filter AP Templates

Cisco Catalyst 9800 Series Controller support

Supported New Platforms:

- Cisco Catalyst 9800 Series Wireless Controllers:
 - Catalyst 9800-40 Wireless Controller
 - Catalyst 9800-80 Wireless Controller
- Catalyst 9800 Wireless Controllers for Cloud:
 - Catalyst 9800-CL Wireless Controller for Cloud

Prime Infrastructure 3.5 introduces a new configuration model for Cisco Catalyst 9800 Series Wireless Controllers. This new model extends support for the following key features:

- Configuring OpenDNS
- Configuring Flex Sxp Profiles
- Configuring Airtime Fairness Policies
- Configuring Remote LAN Policies and Profiles
- Configuring Guest Anchor
- Rule Based Deployment

Monitoring Enhancement

To verify if your Catalyst 9800 Series Wireless Controller successfully continues to exchange operational data, you can check its **Telemetry Status** on **Monitor > Network Devices** page.

Reports

- **Reports > Report Launch Pad > Device > Wired Port Attribute**
 - The report generated for wired port attribute includes new column “Access VLAN Name” and “Device Name”.
 - “Access Mode VLAN” column name is renamed to “Access VLAN Id”, “Device Ip Address” to “IP Address/DNS Name” and “Name” to “PortName”.

Important Notes

This section contains important notes about Prime Infrastructure.

- Cisco Prime Infrastructure 3.5 is the final version to support Data Center. 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.
- 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 eWLC from the Prime Infrastructure-DNA Center co-existence tool, the eWLC 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 eWLC support expects you to enter a value for the “**Netconf Port**” field so as to be managed by DNA Center. You can manage the eWLC manually by entering a value for the **Netconf Port** field in DNA Center and then re-sync.
- You may face a difference in the audit as the default values of the QoS profile templates are changed on 8.5.x devices.

Open Caveats

[Table 2](#) lists the open caveats in Prime Infrastructure Release 3.5.

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
CSCvh69027	Seemless login to MSE stopped working after upgrade.
CSCvi44815	Duplicate entry in inventory for every wireless controller which got migrated to 3.2.2 update 2.
CSCvi50467	Deletion of 1000+ APs does not reflect in Front end (UI).
CSCvi58374	Prime Infrastructure 3.2 "Show Spoke Details" of DMVPN page not showing spoke device information
CSCvm11769	Alarm summary cross launch issue in topology page.
CSCvm82204	Job interval column is empty for server backup job.
CSCvn16172	Config Deploy Job status shows success, but commands not deployed successfully on device

Table 2

Open Caveats

CSCvn20463	Prime Infrastructure 3.3: Meraki device status via API shows incorrect reachability status.
CSCvn23789	Internal Temperature for Dao (9800-80) is shown as '0' in device details page.
CSCvn24943	Non-AP Meraki devices persisted as Access points.
CSCvn27150	Prime Infrastructure: Some items/functions in Prime Infrastructure are not Virtual Domain aware so user can disrupt for another.
CSCvn28363	Unwanted message printed during startup after password recovery.
CSCvn28372	Reboot hanging in Gen-3 Appliance.
CSCvn31203	Config template deployment 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
CSCCuy86411	Event window update takes too long when the user moves the scroll bar.
CSCCvf30985	Showing empty value in the policy profile rule column and incorrect info in Policy profile tooltip.
CSCCvg68737	Prime Infrastructure 3.2 "Show Spoke Details" of DMVPN page not showing spoke device information.
CSCCvh22550	Prime Infrastructure 3.2.1 port reclaim report shows incorrect last update date.
CSCCvh31132	Prime Infrastructure 3.2 Undo tablespace settings is corrupted.
CSCCvh31978	Config Archive support for Autonomous AP 1570.
CSCCvi22848	Change audit external syslog server data is not populated for few scenarios.
CSCCvi51740	On Client dashboard, Prime Infrastructure shows -999 as the client username, also set showssystemoutput false.
CSCCvi54136	Prime Infrastructure: Syslog Viewer always exports in UTC time
CSCCvi55916	Cisco 881, 881W ISR G2 enters in to Collection failure while adding it to Prime Infrastructure 3.3.
CSCCvi57134	Prime Infrastructure 3.3.1 - In config archive page - Few drop downs not working in FF 59
CSCCvi58437	Delete devices APIs take management address instead of IP as said in documentation
CSCCvi71251	Prime Infrastructure 3.3 Unique Client Report is not using the correct email per Virtual Domain.
CSCCvi73339	CA Certificates are not retained after inline upgrade from 3.4 Beta to 3.4.0.0.348
CSCCvj36297	Template import fails with a name conflict error even though the templates' category is different.
CSCCvj37147	In Prime Infrastructure 3.3, imported DCA templates do not allow one to select devices during template deployment.
CSCCvj42252	Prime Infrastructure 3.3 reports an error when un-deploying the Rogue AP Rule Groups template.
CSCCvj83725	When importing Maps archive, the Map's new UI ignores the Do-Not-Override setting for Site/Building
CSCCvj99151	Inline upgrade from Prime Infrastructure 3.2 to Prime Infrastructure 3.3 may run more than 2 days.
CSCCvk14443	Monitor -> Alarm Notification Policies web page takes a very long time to load.
CSCCvk14447	Device groups leave their place in the hierarchy when maps are imported.
CSCCvk37435	HA Failback fails due to a failure in starting primary ncs services.

Table 3 Resolved Caveats

CSCvk38140	Importing a map archive with 7 floors (each has 23374x16523 Jpeg) crashes Prime Infrastructure.
CSCvk43819	Prime Infrastructure compliance audit failing intermittently for large number of devices.
CSCvk70308	Enabling Event Based Inventory causes latency in Prime Infrastructure.
CSCvk75730	Frequent IO on networkusermap with huge amount of data (12million records) causes system crash.
CSCvm13276	Evaluation of Prime Infrastructure for multiple kernel vulnerabilities. (RHSA-2018:2384)
CSCvm13299	Apache 2.4.x < 2.4.34 Multiple Vulnerabilities.
CSCvm15478	Evaluation of ncs for CVE-2018-5391 (FragmentSmack).
CSCvm65056	Admin Templates Write Access task is not working for New User Group when it is disabled.
CSCvm73158	Prime Infrastructure 3.3: Port groups in monitoring policy, keeps loading.
CSCvm81735	In Prime Infrastructure 3.3.1 Update 02, HA Failback fails when HA registered with word "state" in mail configuration.
CSCvm81867	Cisco Prime Infrastructure stored XSS vulnerability.
CSCvm93258	Unable to create building in maps.
CSCvn18917	Evaluation of ncs for Apache Struts Commons FileUpload RCE.

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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