

Cisco Prime Infrastructure 3.4.1 Release Notes

Introduction

This is the first maintenance release for Cisco Prime Infrastructure 3.4.

You can install Cisco Prime Infrastructure 3.4.1 Maintenance Release on Cisco Prime Infrastructure 3.4. Prime Infrastructure 3.4.1 Maintenance Release file **PI_3_4_1-1.0.27.ubf** is approximately 183 MB. The downloading time depends on the available network connection in the enterprise environment. Ensure that you have adequate bandwidth and are not running into high latency issues.

Cisco End User License Agreement

This software is governed by the Cisco End User License Agreement available at the following URL: http://www.cisco.com/c/en/us/td/docs/general/warranty/English/EU1KEN_.html

Cisco Prime Infrastructure 3.4 collects anonymous usage data to help improve the product. By using this product, you are providing your consent to collect your usage data.

For more information, or to opt out at any time, go to **Administration > Settings > System Settings > General > Help Us Improve**.

System Requirements

Supported Physical Appliance Environments

- Prime Infrastructure 3.4.1 is supported on the Cisco Prime Infrastructure Physical Appliance (Gen 2 and Gen 3). For more information, see the Physical Appliance Options section in the *Cisco Prime Infrastructure 3.4 Quick Start Guide*.
- Prime Infrastructure 3.4.1 is not supported in the Cisco Prime Infrastructure Physical Appliance (Gen 1). For more information on installation, upgrade, and migration from Prime Infrastructure 3.0.x to Prime Infrastructure 3.4.1 Gen 1 Appliance, see the Prime Infrastructure 3.1.4 Generation 1 Upgrade and Migration Guide.



Supported Virtual Appliance Environments

- Prime Infrastructure 3.4.1 is supported on the Cisco Prime Infrastructure Virtual Appliance (VMware). For more information, see the Understand System Requirements section in the *Cisco Prime Infrastructure 3.4 Quick Start Guide*.
- Prime Infrastructure 3.4.1 is supported on the Cisco Prime Infrastructure Virtual Appliance (Microsoft Hyper-V) For more details, see the Cisco Prime Infrastructure 3.4 Installation and Migration Guide for Microsoft Hyper-V Virtual Machine.

Supported Web Client Requirements

For more information on the web client requirements, see the Web Client Requirements section in the Cisco Prime Infrastructure 3.4 Quick Start Guide.

Installation Guidelines

The following sections explain how to install the maintenance release.

- Before You Begin Installing the Maintenance Release
- Installing the Maintenance Release from Cisco Site
- Installing the Maintenance Release from Local Storage
- Installing the Maintenance Release in High Availability Mode
- Troubleshooting Maintenance Release Installs in High Availability Implementations

Before You Begin Installing the Maintenance Release



Once you install this maintenance release, you cannot un-install or remove it.

Since the maintenance release is not removable, it is important to have a way to revert your system to the original version in case hardware or software problems cause the maintenance release installation to fail.

To ensure you can do this, take a backup of your system before downloading and installing this UBF maintenance release.

If the backup is a Prime Infrastructure 3.4 backup, restore the backup on Prime Infrastructure 3.4 server before applying the Maintenance Release 3.4.1.

Similarly, if you are running Prime Infrastructure 3.4 in a Virtual Machine (VM) and your organization permits taking VM snapshots, stop Prime Infrastructure and use the VMware client to take a VM snapshot before applying this maintenance release. Store the snapshot in an external storage repository, and restore from the snapshot if the maintenance release installation is unsuccessful. For more details, see Restore an Application Backup in the Cisco Prime Infrastructure 3.4 Administrator Guide.

To restore the backup of the Prime Infrastructure 3.4 installation, follow these steps:

1. Install Prime Infrastructure 3.4 from an OVA or ISO distribution.

2. Clear the Cache and log in to Prime Infrastructure GUI again and proceed with the Prime Infrastructure 3.4.1 upload.

If you are installing this maintenance release as part of a High Availability (HA) implementation, see Before You Begin Setting Up High Availability in the Cisco Prime Infrastructure 3.4 Administrator Guide.

Installing the Maintenance Release from Cisco Site



If you have a High Availability (HA) environment, remove the HA setup before proceeding to install this Maintenance Release. For more details, see Installing the Maintenance Release in High Availability Mode.

Make sure that you have completed the recommended preparation steps given in Before You Begin Installing the Maintenance Release.

To install Cisco Prime Infrastructure 3.4.1 from the Cisco site, follow these steps:

- **Step 1** Log in to the Prime Infrastructure 3.4 server.
- **Step 2** Choose **Administration > Licenses and Software Updates > Software Update.**
- Step 3 Click Download.
- Step 4 Log in with your cisco.com credentials and click Yes or No in the Remember Credentials pop-up dialogue box.
- Step 5 Click Show Details in the Critical Fixes pane to view the updates.
- Step 6 Click Download corresponding to the Prime Infrastructure 3.4.1 Maintenance Release file name PI_3_4_1-1.0.27.ubf.
- Step 7 Click Install to install the maintenance release.
- **Step 8** Click **Yes** in the popup dialogue box to install Cisco Prime Infrastructure 3.4.1. It may take approximately 30 minutes for the installation process to complete.



Do not manually restart the server while the installation is in progress.

Step 9 You can verify the maintenance release installation from Prime Infrastructure Login under Critical Fixes by clicking View Installed Updates and also by logging into the server and choosing Administration > Software Update. You should see a listing for the maintenance release in the Updates tab, with Installed in the Status column.

Installing the Maintenance Release from Local Storage



If you have a High Availability (HA) environment, remove the HA setup before proceeding to install this Maintenance Release. For more details, see Installing the Maintenance Release in High Availability Mode.

Make sure that you have completed the recommended preparation steps given in Before You Begin Installing the Maintenance Release.

To install Cisco Prime Infrastructure 3.4.1 from the local storage, follow these steps:

- Step 1 Download the Prime Infrastructure 3.4.1 Maintenance Release PI_3_4_1-1.0.27.ubf from Home > Products > Cloud and Systems Management > Routing and Switching Management > Network Management Solutions > Prime Infrastructure > Prime Infrastructure 3.4 > Prime Infrastructure Patches-3.4.1 and save the file in your local system.
- **Step 2** Log in to Prime Infrastructure 3.4 server.
- Step 3 Choose Administration > Licenses and Software Updates > Software Update.
- **Step 4** Click **Upload** and browse to the location where you have saved the maintenance release file. Click **OK** to upload the file.
- Step 5 In the Status of Updates pane, click the Files tab and check whether PI_3_4_1-1.0.27.ubf is listed under FileName column.
- Step 6 In the Critical Fixes pane, click Install.
- Step 7 Click Yes in the pop-up dialogue box to install Cisco Prime Infrastructure 3.4.1. It may take approximately 1 hour for the installation process to complete.



Do not manually restart the server while the installation is in progress.

You can verify the maintenance release installation from Prime Infrastructure Login under Critical Fixes by clicking View Installed Updates and also by logging into the server and choosing Administration > Software Update. You should see a listing for the maintenance release in the Updates tab, with Installed in the Status column.

Installing the Maintenance Release in High Availability Mode

Download the Prime Infrastructure 3.4.1 Maintenance Release PI_3_4_1-1.0.27.ubf from Home > Products > Cloud and Systems Management > Routing and Switching Management > Network Management Solutions > Prime Infrastructure > Prime Infrastructure 3.4 > Prime Infrastructure Patches-3.4.1 and save the file in your local system.

To install the downloaded Prime Infrastructure 3.4.1 Maintenance Release **PI_3_4_1-1.0.27.ubf** in High Availability mode follow the below prerequisites:

Make sure that you have completed the recommended preparation steps given in Before You Begin
Installing the Maintenance Release.



Prime Infrastructure 3.4.1 can be applied only in primary and secondary standalone servers. The server will restart automatically once the installation is complete. The restart typically takes 25 to 35 minutes. You cannot apply Prime Infrastructure 3.4.1 when HA is enabled.

• If you are installing Cisco Prime Infrastructure Maintenance Release 3.4.1 on High Availability (HA) paired servers, you will get the following error message:



High Availability is configured on this system. Before installing this update, remove the High Availability configuration from the Primary Server (Administration > High Availability > Remove).

OK

For more details, see Remove HA Via the GUI in the Cisco Prime Infrastructure 3.4 Administrator Guide.

• Continue the patching once HA removed completely. For more details, see the How to Patch New HA Servers section in the *Cisco Prime Infrastructure 3.4 Administrator Guide*.

Troubleshooting Maintenance Release Installs in High Availability Implementations

If you are unable to apply this maintenance release in a High Availability (HA) implementation, check whether your network bandwidth, throughput and latency meets the network requirements recommended in Network Throughput Restrictions on HA section in the *Cisco Prime Infrastructure 3.4 Administrator Guide*. In a few cases, continued or intermittent throughput problems can cause a complete failure. If you believe this has occurred, contact Cisco TAC for support.

If you are unable to verify that this maintenance release has been successfully installed on a Prime Infrastructure server, or one or both of the servers fails to restart properly after installing the maintenance release, you may need to re-image the server as explained in Before You Begin Installing the Maintenance Release before continuing.

In all cases, you can use the **backup-logs** command on one or both servers to get information on the source of the failure. For more information, see the backup-logs section in the *Command Reference Guide for Cisco Prime Infrastructure 3.4*.

Renewing AAA Settings After Installing a New Prime Infrastructure Version

If you are using external RADIUS or TACACS+ user authentication, before migrating your existing data to a new version of Prime Infrastructure, you must transfer the expanded Prime Infrastructure user task list to your AAA server. After you upgrade Prime Infrastructure, you must re-add any permissions on the TACACS+ or RADIUS server and update the roles in your TACACS server with the tasks from the Prime Infrastructure server. For more details, Configure External Authentication section in the Cisco Prime Infrastructure 3.4 Administrator Guide.

Migrating from Previous Releases of Cisco Prime Infrastructure

You can restore the backup from the following Prime Infrastructure versions to Prime Infrastructure 3.4.1:

- Cisco Prime Infrastructure 3.0.0.78
- Cisco Prime Infrastructure 3.0.1
- Cisco Prime Infrastructure 3.0.2
- Cisco Prime Infrastructure 3.0.3
- Cisco Prime Infrastructure 3.1.0.0.132
- Cisco Prime Infrastructure 3.1.1
- Cisco Prime Infrastructure 3.1.2
- Cisco Prime Infrastructure 3.1.3
- Cisco Prime Infrastructure 3.1.4
- Cisco Prime Infrastructure 3.1.5
- Cisco Prime Infrastructure 3.1.6
- Cisco Prime Infrastructure 3.1.7
- Cisco Prime Infrastructure 3.2
- Cisco Prime Infrastructure 3.2.1
- Cisco Prime Infrastructure 3.2.2
- Cisco Prime Infrastructure 3.4

If you are running multiple previous releases of Prime Infrastructure (for example, you are running version 3.0.0.78 and 3.0.1, 3.0.2, 3.0.3, 3.1.0.0.132), you must select one version from which to restore data.

See Before You Migrate Your Data in the *Cisco Prime Infrastructure 3.4 Quick Start Guide* before you restore your data from Prime Infrastructure 3.0.x or 3.1 to your newly installed Prime Infrastructure 3.4 server:

You can apply the Cisco Prime Infrastructure 3.4.1 over Cisco Prime Infrastructure 3.4 upgraded server. For detailed information about upgrading from previous releases of Prime Infrastructure, including the list of versions from which you can upgrade, see the How to Upgrade From Previous Releases of Prime Infrastructure section of the *Cisco Prime Infrastructure 3.4 Quick Start 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

Prime Infrastructure Licenses

For detailed information on procuring a license for Prime Infrastructure, see the *Cisco Prime Infrastructure 3.4 Ordering and Licensing Guide*.

Supported Devices

To see the list of devices supported in this release of Prime Infrastructure, follow these steps:

- **Step 1** Log in to Prime Infrastructure.
- **Step 2** Click **Settings** to see the list of settings options
- Step 3 Click Supported Devices List under Help.

You can also view the Cisco Prime Infrastructure 3.4 Supported Devices list at the following URL:

http://www.cisco.com/c/en/us/support/cloud-systems-management/prime-infrastructure/products-devic e-support-tables-list.html

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

https://www.cisco.com/c/en/us/td/docs/wireless/compatibility/matrix/compatibility-matrix.html

New Features and Enhancements

There are no new features in this release.

Important Notes

- In addition to installing Prime Infrastructure 3.4.1 on Prime Infrastructure instances, make sure that you also install Prime Infrastructure 3.4.1 on Prime Operations Center.
- Prime Operations Center 3.4.1 manages Prime Infrastructure 3.4.1. You must ensure that Prime
 Operations Center version is the same as the version of the Prime infrastructure instances that it
 manages. For more details, see Set Up Operations Center in Cisco Prime Infrastructure 3.4
 Administrator Guide.

You can install Prime Infrastructure 3.4.1 on operations center from the Cisco Site, or local storage. You can also install the update in high availability mode if the high availability is available on Prime Operations Center. For more details on how to install the update, see Installation Guidelines.

After installing the update, enable HA for Operations Center. For more details, see Enable HA for Operations Center in Cisco Prime Infrastructure 3.4 Administrator Guide.

- If the email address contains numeric value (e.g. 123456@xyz.com), the email notification sent to the email destination will contain only the alarm instance ID.
- CLI templates and Guest users cannot be deployed from Wireless Configuration Groups.
- 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.
- If the Boot Option in the BIOS settings is enabled with UEFI shell, deployment gets completed.
 Once deployment gets completed, it fails to enter the configuration mode, instead enters the shell
 mode in the CIMC console. UEFI shell option must be disabled in the BIOS settings to access
 configuration mode.
- If VIP is enabled, after failover or fallback, SSO server should be added again in Prime Infrastructure for the auto login to work.
- Device Pack 1,2 and 3 cannot be installed on top of Maintenance Release 3.4.1.
- It is recommended to use different web browsers to avoid from menus getting affected while loading
 in ISE, during the cross launching of ISE reports from Cisco Prime Infrastructure and logging in to
 ISE Admin.

Open Caveats

Table 1 lists the Open Caveats in Cisco Prime Infrastructure Release 3.4.1.

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 1	Open Caveats
Identifier	Description
CSCvd50705	Table - Select all checkbox using latest Chrome does not work on Windows 10.
CSCvh69027	Seamless login to MSE stopped working after upgrade.
CSCvi44815	Duplicate entry in inventory for every wireless controller which got migrated to Prime Infrastructuupdate 2.
CSCvi50467	Deletion of 1000+ APs does not reflect in Front end (UI).
CSCvi58374	Interface details are not displayed when using Prime Infrastructure in Japanese.
CSCvm13276	High: kernel (RHSA-2018:2384) (Foreshadow)

Resolved Caveats

Table 2 lists the bugs resolved in Prime Infrastructure 3.4.1.

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 resolved caveats using the Bug Search Tool.

Table 2 Resolved Caveats

Identifier	Description
CSCve37646	Cisco Prime Infrastructure Open Redirect Vulnerability
CSCvg46100	Prime Infrastructure's performance is impacted when the Data Cleanup job fails to clean job entries
CSCvg50438	Under Dashboard > Performance > Interface the dashlets do not show data
CSCvi10965	Cat 3850 stack in Collection Failure
CSCvi36692	Prime Infrastructure fails to deploy zone based firewall template on ISR devices
CSCvi56197	In Prime Infrastructure, need an AP related report that lists channels that currently have Rogue Clients
CSCvi58437	Delete devices APIs take management address instead of IP as said in documentation
CSCvi60859	After importing the maps, floors (and the APs on the floors) are missing
CSCvi60859	After importing the maps, floors (and the APs on the floors) are missing
CSCvi67506	Array out of bound exception on a Cat4500 device's detail summary page
CSCvi70308	Image import job will succeed even if the uploaded image file is corrupt
CSCvi70634	Heatmap calculation fails with a NullPointerException
CSCvi70634	Heatmap calculation fails with a NullPointerException
CSCvi71251	Prime Infrastructure 3.3 Unique Client Report is not using the correct email per Virtual Domain
CSCvi72508	In HA, AESUID_SEQUENCE mismatch between Primary and Secondary can cause side effects
CSCvi77342	Multiple Vulnerabilities in jackson-databind
CSCvi82219	Creating a folder under My Templates with a system defined folder name creates a duplicate folder
CSCvi90589	\"Next\" button unresponsive in GUI while try to add AP in list, search and filtering Prime Infrastructure 3.1.7u3 DP16
CSCvi91760	After upgrade to 3.2.2 update 2, all the jobs are stuck in past and unable to edit and schedule
CSCvi93111	Add new template creates a partial template, but the job still completes successfully
CSCvi93218	In Prime Infrastructure OPC, the Inventory Report export file has no data
CSCvi94762	In Prime Infrastructure, Chassis View may not be displayed in the Device Details tab with Japanese/Korean lang. mode
CSCvi97074	Imported images are not listed in software image repository
CSCvj00402	In Prime Infrastructure 3.3, a composite template deployment with multiple interactive commands could fail
CSCvj04552	In Prime Infrastructure 3.4, services are not starting after creating nbi.properties files
CSCvj11561	Floorplan images disappeared after restoring the backup
CSCvj13732	Client count Monitoring policy not working where greater than x count polling for one time
CSCvj14451	Zone based firewall template fails to push to ISR devices

Table 2	Resolved Caveats
CSCvj14451	Zone based firewall template fails to push to ISR devices
CSCvj15225	Support Netflow for the 3650 and 6500 Series Switches
CSCvj16365	Max. record value is overridden with the default value if one clicks the global save button
CSCvj19054	In Prime Infrastructure 3.2.2, QoS drop shows critical even though drop percent value is 0%
CSCvj19495	In Prime Infrastructure 3.4, post inline upgrade the server may fail to start the nes application
CSCvj22287	The Client Count report by SSID shows incorrect data when one exports it as CSV
CSCvj35573	With CSV file import, Prime Infrastructure pushes template to wrong devices
CSCvj35913	Prime Infrastructure 3.4: partial export of the floor map in PDF
CSCvj37177	Memory Pool details in KB is shown as blank in device summary page
CSCvj38247	In Prime Infrastructure, web pages become unresponsive when dashlets take a lot of time to load
CSCvj42252	Prime Infrastructure 3.3 reports an error when un-deploying the Rogue AP Rule Groups template
CSCvj42252	Prime Infrastructure 3.3 reports an error when un-deploying the Rogue AP Rule Groups template
CSCvj44353	Prime Infrastructure reports an error when one clicks the ports shown on the Device Summary page
CSCvj47272	Space under /opt filled up in the express server due to the reports module
CSCvj48375	In Prime Infrastructure 3.3 and 3.4, Software Update ignores the proxy settings
CSCvj51022	In Prime Infrastructure, the Port Classification is not working
CSCvj53961	Heatmaps calculation shows intermittent errors, parameters need extra validation
CSCvj55701	Not able to export devices from network devices in Prime Infrastructure 3.4
CSCvj57317	The Client Count dashlet does not reflect client data properly
CSCvj59348	Unable to login to root after upgrade from 3.1 to 3.4
CSCvj65471	Schematic View Not Working for UCS Servers
CSCvj68984	In Prime Infrastructure 3.3, there is a problem when one attempts to export device list
CSCvj70693	The AP Summary report lists all the available WLANs for all the AP Groups
CSCvj74667	PFR policy is blank if single VRF is configured under a domain
CSCvj77955	Searching for a building or campus in Site Maps (new) export does not export contained items.
CSCvj78515	A report's scheduled time is changing with its execution time period
CSCvj79569	Updating the LRADIFCHANNELSTATS setting and saving it sets all Data Retention settings to 0
CSCvj82182	Saving floor elements (obstacles, incl./excl. regions, coverage areas, etc.) fails intermittently
CSCvj83176	The web page that let's one add group member(s) to a Mobility Group throws \"Unknown Error\"

Table 2	Resolved Caveats
CSCvj83725	When importing Maps archive, the Map's new UI ignores the Do-Not-Override setting for Site/Building
CSCvj90737	Post upgrade of Prime Infrastructure server, unable to delete the DCA template
CSCvj90945	On a Prime Infrastructure Gen. 2 appliance, PSU status is not showing correctly in system monitoring dashboard
CSCvj91289	Prime Infrastructure wireless heatmaps don't show up correctly
CSCvj91618	Scheduled Report is disabled after restoring Prime Infrastructure 3.1 backup on a Prime Infrastructure 3.3 server
CSCvj92591	In Prime Infrastructure, System Monitoring under the Administration Dashboard is missing
CSCvj97167	Schedule guest user is showing junk characters in GUI
CSCvk06938	In Ops Center (OPC), the scheduled and saved report templates get deleted
CSCvk14273	Prime Infrastructure: Duplicate entry in Wired Port Attribute report
CSCvk14282	User of system monitoring group can access configuration archive without the required permission
CSCvk14447	Device groups leave their place in the hierarchy when maps are imported
CSCvk14447	Device groups leave their place in the hierarchy when maps are imported
CSCvk17617	AP Radio Downtime Summary report considers radio status as down when the radio status is unknown
CSCvk24890	Cisco Prime Infrastructure arbitrary file upload and command execution vulnerability
CSCvk29553	On changing the Geo. coordinates of site/building, sometimes subordinate floors are left behind
CSCvk37435	HA Failback fails due to a failure in starting primary ncs services
CSCvk37435	HA Failback fails due to a failure in starting primary ncs services
CSCvk39743	In Prime Infrastructure, the CSV file cannot be imported in the MAC filter template
CSCvk43237	In Prime Infrastructure 3.x, performance monitoring not available for Cisco ACE 4710 Application Control Engine
CSCvk45020	The SSO+TACACS login to a Prime Infrastructure 3.4 managed instance fails from OPC after a HA failback/failover
CSCvk45125	Config Archive Read Task disappears once disabled from System Monitoring group
CSCvk50767	Prime Infrastructure CAD map conversion rescaling image incorrectly
CSCvk75961	In Prime Infrastructure 3.4, for non root users, the OPC (Op. Center) landing home page has content missing
CSCvm03017	In Prime Infrastructure 3.4, DP1 C9200 interface etherchannel status shows incorrect value

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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