

Cisco Prime Infrastructure 3.10.1 Release Notes

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Introduction

This is the first maintenance release for Cisco Prime Infrastructure 3.10.

You can install Cisco Prime Infrastructure 3.10.1 on Cisco Prime Infrastructure 3.10 or Prime Infrastructure 3.10 Update 01. Prime Infrastructure 3.10.1 file PI_3_10_1-1.0.25.ubf is approximately 431 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.



Important

- During installation of PI_3_10_1-1.0.23.ubf in the appliance, when the software clock timestamp and system clock time stamp are different, installation hangs without any warnings or traces and all the process will be stopped.
 - To resolve this issue:
 - Option 1: Follow the *Workaround* in [CDETS](#), and for support contact the Cisco Technical Assistance Center (TAC).
 - Option 2: PI_3_10_1-1.0.25.ubf has the fixes for the above mentioned issue. If the backup is available already, then install new setup with PI_3_10_1-1.0.23.ubf and restore the backup.
 - Please ignore PI_3_10_1-1.0.25.ubf installation, if PI_3_10_1-1.0.23.ubf is already installed successfully.
 - For HA setup, ensure that both primary and secondary should be installed with same UBF level to continue with the HA registration.
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System Requirements

For more details on the system requirements, see [Understand System Requirements](#) section in the *Cisco Prime Infrastructure 3.10 Quick Start Guide*.

Installation Guidelines

The following sections explain how to install the maintenance release.

Before You Begin Installing the Maintenance Release

You can install Prime Infrastructure 3.10.1 on top of Cisco Prime Infrastructure PI 3.10 or PI 3.10 Update 01 from [Software Download](#) page.

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 3.10 backup, restore the backup on Prime Infrastructure 3.10 server before applying the 3.10.1 release.

Similarly, if you are running Prime Infrastructure 3.10 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 3.10 Administrator Guide*.

To revert to Prime Infrastructure 3.10.1 installation (with PI 3.9.x, PI 3.8.x or PI 3.7.x backup), follow these steps:

1. Reinstall Prime Infrastructure 3.10 from an OVA or ISO distribution
2. Install Prime Infrastructure 3.10.1
3. If you have a prior 3.9.x, PI 3.8.x or PI 3.7.x backup- Restore this backup

If you are installing this release as part of a High Availability (HA) implementation, see [Before you Begin Setting Up High availability](#) in the *Cisco Prime Infrastructure 3.10 Administrator Guide*.

Installing the Release from Local Storage



Caution If you have a High Availability (HA) environment, remove the HA setup before proceeding to install this 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 3.10.1 from the local storage, follow these steps:



Note You can only install Cisco Prime Infrastructure 3.10.1 by manual download from Cisco.com and upload and install through Cisco Prime Infrastructure UI.

Procedure

- Step 1** Download the Prime Infrastructure 3.10.1 UBF [PI_3_10_1-1.0.25.ubf](#) from [Home > Products > Cloud and Systems Management > Routing and Switching Management > Network Management Solutions > Prime Infrastructure > Prime Infrastructure 3.10 > Prime Infrastructure Patches - 3.10.1](#) and save the file in your local system.
- Step 2** Log in to Prime Infrastructure **3.10** 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_10_1-1.0.25.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 **3.10.1**. It may take approximately 1 hour for the installation process to complete.
- Note** Do not manually restart the server while the installation is in progress.
- Step 8** You can verify the 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 release in the **Updates** tab, with **Installed** in the Status column.

Installing the Maintenance Release in High Availability Mode

Download PI_3_10_1-1.0.25.ubf from [Home > Products > Cloud and Systems Management > Routing and Switching Management > Network Management Solutions > Prime Infrastructure > Prime Infrastructure 3.10 > Prime Infrastructure Patches - 3.10.1](#) and save the file in your local system.

To install the downloaded PI_3_10_1-1.0.25.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](#).



Note Prime Infrastructure **3.10.1** 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 **3.10.1** when HA is enabled.

- If you are installing Cisco Prime Infrastructure 3.10.1 on High Availability (HA) paired servers, you will get an error message.

For more details, see [Remove HA Via the GUI](#) in the *Cisco Prime Infrastructure 3.10 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 3.10 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 3.10 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 *Cisco Prime Infrastructure 3.10 Command Reference Guide*.

New Features and Enhancements

This section provides a brief description of new features and enhancements in Cisco Prime Infrastructure 3.10.1.

Wired

Prime Data Migration Tool Enhancements

Prime Data Migration Tool allows you to migrate Cisco Prime Infrastructure 3.10.1 data to Cisco DNA Center.

You can launch the Prime Data Migration Tool from the Prime Infrastructure 3.10.1 home page from:

Mega Menu > Prime Data Migration Tool - You can now directly open Prime Data Migration Tool from the Mega Menu page.

or

Settings > Getting Started > Prime Data Migration Tool – Launch Prime Data Migration Tool from the Getting Started page.

The 3.10.1 UBF also includes the below enhancements in Prime Data Migration Tool.

- Job History - Displays the history and status of migrations from Prime Data Migration Tool to DNA Center.
- Multi DNA Center UI - Supports migration of data to different Cisco DNA Center without losing the context of data migrated to other DNA Center and its archives will be displayed in Prime Data Migration Tool
- You can migrate templates that are not associated with any groups. You can select the available CLI/ Composite User Defined Templates to migrate to Cisco DNA Center without any group dependency.
- Audit log enhancement - Change Audit Dashboard is enhanced to show the Audit Description for the success / failure reason of migration of CMX, Inventory, ISE, Maps, Grouping and Template.
- Select Groups window is enhanced with **Delete sites in Cisco DNA Center for the current Force sync** check box – You can enable the checkbox to delete sites in DNA Center and remove mapping from Prime Data Migration Tool to Cisco DNA Center for the current force sync. When you disable the check box, Prime Data Migration Tool deletes only the mapping from Prime Data Migration Tool to Cisco DNA Center and migrated sites will not be deleted in DNA Center for the current force sync.

For more information on using Prime Data Migration Tool in 3.10.1, see Migrate Cisco Prime Infrastructure 3.10.1 data to Cisco DNA Center in [Cisco Prime Infrastructure to Cisco Digital Network Architecture Center Prime Data Migration Guide](#)

Wireless

New Access Point Support

Prime Infrastructure 3.10.1 supports the following Maui AP:

- Cisco Catalyst 9136I Series Unified Access Points

UI Enhancements

The Radio Frequency Band 6GHz is supported for the following:

- 802.11 6GHz Radio Interface support is added for configuring Unified AP, under **Configuration > Network > Network Devices > Device Type > Unified AP > Cisco Catalyst 9136I Series Unified Access Points**.
- 802.11 6GHz tab is added for configuring Lightweight Access Points. **Choose > Configuration > Templates > Lightweight Access Points > New Lightweight AP Template**.
- 802.11 6GHz support is added for configuring Wireless Controllers. **Choose > Configuration > Network > Network Devices > Device Type > Wireless Controller > Cisco Catalyst 9800 Series Wireless Controllers**, under **Configuration** tab.
- For 802.11 > RF Profiles, **6GHz** Radio Type support is added. **Choose > Configuration > Network > Network Devices > Device Groups > All Devices > xxx_device name**, under **Configuration** tab.
- 802.11 6GHz is added for device details. **Choose > Configuration > Network > Network Devices > Device Groups > All Devices > xxx_device name > 802.11 6GHz**, under **Device Details** tab.
- 802.11 6GHz is added for Radio Type drop-down list for Basic mode and 802.11 6GHz tab is added for Advanced mode in RF Profile Detail window. **Choose > Configuration > Wireless Technologies > Cisco Catalyst 9800 Series Wireless Configuration > RF Profile**.
- 802.11 6GHz is added for **Configuration > Templates > Features and Technologies > Controllers**
- 802.11 6GHz is added for AP Utilization and Client Reports. **Choose > Reports > Report Launch Pad**.

Multi BSSID Profile

With this release, you can configure the **Multi BSSID Profile** details for 802.11. **Choose > Configuration > Network > Network Devices > Device Groups > All Devices > xxx_device name > 802.11 > Mutli BSSID Profile**.

Alarms and Events

With this release, Alarms and Events notifications are supported for 802.11 6 GHz.

Dashboards

With this release, 6GHz radio band is supported for Performance Dashboards charts. **Choose > Dashboards > Performance**.

- Top 10 APs by Channel Utilization
- Top 10 APs by Interference
- Top/Bottom 10 APs by Client Count
- Top/Bottom 10 APs by Coverage Hole

Maps

With this release, Wireless heatmaps supports 6GHz radio frequency bands. **Choose > Maps > Wireless Maps > Site Maps**.

Open Caveats

The following table lists the open caveats in Prime Infrastructure Release 3.10.1.

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
CSCwb52176	Error popup appears while launching Prime Data Migration Tool for the first time.
CSCwb94880	Change the 'Delete' tab in Select Groups page according to the action performed.

Resolved Caveats

The following caveats were resolved in Prime Infrastructure Release 3.10.1. You can view additional information about these caveats in the [Bug Search Tool](#).

Table 2: Resolved Caveats

Identifier	Description
CSCwa25640	Exception is shown while accessing the client summary page
CSCwa26300	Problem in creating new WLANs using 9800 Configuration template
CSCwa40305	Credentials appears in clear text in the Input Values and Deployment Summary pages of Prime Infrastructure Templates
CSCwa42025	Unactionable toaster message when Cisco DNA Center TOFU cert check fails
CSCwa43019	Pruning issues with Prime Infrastructure database table ROGUEAPDETECTINGDETAIL
CSCwa56261	ADE-OS Sensitive Information Disclosure Vulnerability
CSCwa58773	Evaluation of Prime Infrastructure 3.10 for CVE-2021-44224
CSCwa61006	9800 Wireless Controllers are getting disappeared from Prime Infrastructure 3.9 unexpectedly.
CSCwa90409	BGL18 Alpha: AP provisioning shows Failure/Partial Success with Prime Infrastructure 3.10.195

Identifier	Description
CSCwb29118	Prime Infrastructure 3.10 affected by Vulnerabilities CVE-2022-22719, CVE-2022-22720, CVE-2022-22721 & CVE-2022-23943
CSCwa45652	Apache 2.4.49 < 2.4.51 Path Traversal Vulnerability
CSCwa47327	Evaluation of nes for Log4j RCE (Log4Shell) Vulnerability
CSCwa74599	Prime 3.10.1 - Telemetry subscription deletion page link is missing
CSCwa77961	Cisco Prime Infrastructure Assessment of 2021-4034 polkit
CSCwb00130	Prime 3.10.1: user cannot configure blank acl name under policy-acl mapping in flex-profile
CSCwb01368	Smart License registration not working in direct or gateway or proxy mode in all Prime Infrastructure versions
CSCwb28819	When Prime Infrastructure evaluation period is expired Smart License registration over proxy is not working.
CSCvv75106	Prime Infrastructure 3.9 supports site tag template for Catalyst 9800
CSCvz71923	CSR generation from GUI doesn't allow entering a SAN field IP address octet higher than 200
CSCvz75303	Prime Infrastructure 3.9.1 No values are returned for RF Counters API
CSCvz78375	Issue in AP Summary report for Catalyst 9800 controllers in Prime Infrastructure 3.9.1
CSCvz85214	Rogue Auto Contained alarm is not generated in Prime Infrastructure after upgradation.
CSCvz85439	Inaccurate GPS position of AP in the maps
CSCvz86674	AP utilization does not show the Disassociated APs utilization history by selecting specific WLC
CSCvz89936	AireOS WLC Configuration Tab Shows \"No Data Is Available\"
CSCwa47327	Evaluation of nes for Log4j RCE (Log4Shell) Vulnerabilities - CVE-2021-44228, CVE-2021-45046, CVE-2021-45046, CVE-2021-45105, CVE-2021-44832, CVE-2021-4104.

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:

Procedure

- 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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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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