Cisco Prime Infrastructure 3.10.3 Release Notes

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Introduction

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

You can install Cisco Prime Infrastructure 3.10.3 on Cisco Prime Infrastructure 3.10.2.

Prime Infrastructure PI_3_10_3-1.0.16.ubf is approximately 362.70 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.

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 3.10.3 on top of Cisco Prime Infrastructure 3.10.2 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 3.10.2 backup, restore the backup on Prime Infrastructure 3.10.2 server before applying the 3.10.3 release.

Similarly, if you are running Prime Infrastructure 3.10.2 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 3.10.3 installation (with PI 3.10.x, PI 3.9.x, or PI 3.8.x, PI 3.7.x backup),follow these steps:

1. Reinstall Prime Infrastructure 3.10 from an OVA or ISO distribution

2. Upgrade to Cisco Prime Infrastructure 3.10.2 using tar bundle and install PI 3.10.2 system patch once after upgrade is completed. For more information, see *Cisco Prime Infrastructure 3.10.2 Release Notes*

3. Install Cisco Prime Infrastructure 3.10.3

4. If you have a prior 3.10.x, 3.9.x, PI 3.8.x, PI 3.7.x backup - Restore this backup

If you are installing this release as part of a High Availability (HA) implementation, see Installing the Maintenance Release in High Availability Mode, on page 3 in the *Cisco Prime Infrastructure 3.10 Administrator Guide* .

Installing the Release from Local Storage

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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 3.10.3 from the local storage, follow these steps:

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Note You can only install Cisco Prime Infrastructure 3.10.3 by manual download from Cisco.com and upload and install through Cisco Prime Infrastructure UI.

Procedure

Step 1 Download the Prime Infrastructure PI_3_10_3-1.0.16.ubf from Home > Products > Cloud and Systems Management > Routing and Switching Management > Network Management Solutions > Prime Infrastructure > Prime Infrastructure 3.10 > Prime Infrastructure Patches - 3.10.3 and save the file in your local system.

Step 2 Log in to Prime Infrastructure **3.10.2** 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_3-1.0.16.ubf is listed under **FileName** column.

Step 6 In the **Critical Fixes** pane, click **Install**.

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

Step 7 Click **Yes** in the pop-up dialogue box to install Cisco Prime Infrastructure **3.10.3**. It may take approximately 1 hour for the installation process to complete.

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_3-1.0.16.ubf from Home > Products > Cloud and Systems Management > Routing and Switching Management > Network Management Solutions > Prime Infrastructure > Prime Infrastructure 3.10 > Prime Infrastructure Patches - 3.10.3 and save the file in your local system.

To install the downloaded PI_3_10_3-1.0.16.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 **3.10.3** 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 **3.10.3** when HA is enabled.

- If you are installing Cisco Prime Infrastructure 3.10.3 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, on page 1 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 3.10.3

Wired

For Image distribution flow, in the **Inventory** > **Device Management** > **Software Images** > **Distribute** > **Image Selection** > **Device Selection** > **Image Details Verfication** > **Image Deployment** tab - **Activate OFF** option is disabled for the following devices selected for distribution:

- Cisco Catalyst 3650 Series Switches

- Cisco Catalyst 9200 Series Switches

- Cisco Catalyst 9300 Series Switches

- Cisco Catalyst 9400 Series Switches

- Cisco Catalyst 3850 Series Ethernet Stackable Switches

Prime Data Migration Tool Enhancements

The following Prime Data Migration Tool Update 04 enhancements are available as part of this Prime Infrastructure 3.10.3 UBF

Audit Log Enhancement: Audit Dashboard is enhanced to show the Audit Description for the Success / Failure with the reason of Failure along with Cisco DNA Center IP details.

Handle Groups with Empty Civic Location: Groups with Empty Civic Locations should be updated with valid Latitude and Longitude / Address values before migrating to DNA Center. Users are prompted to enter values for the Empty Civic Location Buildings in select Groups page of Prime Data Migration Tool.

Job History Enhancements for Dynamic Sync Jobs: Job History now displays the history and status of Dynamic Sync Jobs from Prime Data Migration Tool to Cisco DNA Center.

CMX gets decoupled from PI in Dynamic Sync: When the Cisco Prime Infrastructure – Cisco DNA Center Migration Tool is active and Auto Sync is enabled, then CMX will be dynamically pushed to Cisco DNA Center Floor Maps.

For more information on using Prime Data Migration Tool, see *Cisco Prime Infrastructure to Cisco Digital Network Architecture Center Prime Data Migration Guide*.

Admin CLI

From this release, you can enable the strong TLS cipher group using **ncs run tls-server-ciphers tls-strong-group** command in EXEC mode.

Device Pack

The device pack bugs CSCwc36830, CSCwc44965, and CSCwd16491 are fixed and available in Prime Infrastructure 3.10.3

Open Caveats

The following table lists the open caveats in Prime Infrastructure Release 3.10.3.

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
CSCwd71999	C9800 with WGB support needs to implemented in Prime Infrastructure.
CSCwd73502	Telemetry picks two different vlans for sending subscriptions.
CSCwd78584	Client Profile page showing unknown expected error message.

Identifier	Description
CSCwd81309	mDNS Service Definition services list on Prime Infrastructure restricts to include only 255 characters.
CSCwd61040	VLAN detailed report failed for selected groups in Prime Infrastructure 3.10
CSCwd78844	Prime Infra Smart Licensing registration through Transport Gateway fails
CSCwd81525	After Prime Infrastructure 3.10.2 install, DNS server config removed and updated loopback IP.
CSCwd83722	Prime Infrastructure 3.10 showing access point in network topology maps.
CSCwd88043	Rx Neighbors are not listed for radios in AP 360 view on maps GUI page - Site Maps-New
CSCwd69945	Remove the events wIPS META ALERT and wIPS Traps in the UnClassified Section - Alarm Policies

Resolved Caveats

The following caveats were resolved in Prime Infrastructure Release 3.10.3.

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: Resolved Caveats

Identifier	Description
CSCus91413	Syslog messages through Change Audit notifications are not clear
CSCvt39000	Prime Infrastructure SWIM activation job fails in Install mode
CSCwb68775	Traffic mismatch between WLC 9800 and Prime Infrastructure 3.10
CSCwc18904	Custom building migration may fail to migrate maps to Cisco DNA Center
CSCwc36830	Cisco Business 350 switches show software version as N/A in Prime Infrastructure 3.10
CSCwc44965	ASA device is running partially complete for inventory collection in Prime Infrastructure
CSCwc45435	Prime Infra 3.10 data cleanup (pruning) fails and it's impacts system performance.
CSCwc50283	Floor type not reflected in Cisco DNA Center when different floor type is selected & migrated to Non-global
CSCwc51715	Prime Infra 3.10.1 uses 128bits cipher keys for SSLv3 or TLSv1.2 HTTPS negotiations

Identifier	Description
CSCwc55288	Collection Failure occurs for custom mDNS Service Definition services list over 255 characters
CSCwc58393	Syslog table data count exceeds the maximum limit of 2,000,000 records.
CSCwc60844	Updates done to already migrated sites not working
CSCwc76663	Maps migration does not migrate when default group is parent for campus
CSCwc79141	Interface Placed In Error Disable State condition due to support concerns.
CSCwc81391	Vendor MAC file gets corrupted after update from IEEE
CSCwc97001	PDMT V3 forcibly converts the floor dimensions from feet to meters ignoring the desired metrics
CSCwc97778	Prime Infrastructure 3.10.1 - show udi output shows UNSUPPORTED in Hyper-V
CSCwc98030	AP9115 Name is displayed as N/A with 5 gHz filter
CSCwc98432	Filter by SSID is not working on client count dashlet
CSCwd05439	Tool tip about dynamic sync not being supported for map migration
CSCwd16491	PI 3.10 - Software Distribution Fails with Default server for IR1101, IR807 and IR809
CSCwd20073	Generate Password button when adding Guest Wireless users does not follow WLC password requirements
CSCwd22800	Group Hierarchy view is missing with load access points
CSCwd34636	PDMT v3.1 fails to migrate map data (hierarchy starting with building) in nonglobal migration
CSCwd43576	A specific floor only has an up arrow and it is not showing the down arrow
CSCwd60572	Backup failure false alarm seen in Prime Infrastructure 3.9.1
CSCwd61029	Prime Infrastructure 3.10.3 - Multiple RPM Vulnerabilities
CSCwd61057	Custom Report - 802.11a/n/ac/ax option is not checked in the GUI after report generation
CSCwd64931	Cisco Catalyst 9800 Wireless controllers can be managed in both Cisco DNA Center and Prime Infrastructure
CSCwd67609	Prime Infrastructure checkHAReadiness.sh script uses incorrect block size for disk throughput test causing false alarm
CSCwd67968	Internal server error when click on Inspect Location Readiness Tool for AP C9120AXI-E

Identifier	Description
CSCwd68272	Prime Infrastructure 3.10.x: AP radio interface alert are not being auto cleared.
CSCwd78195	Prime Infrastructure 3.10.2: Configuration archive are getting corrupt
CSCwd83618	Unable to login with TACACS user from Prime Infrastructure with SSO enabled in Prime Infrastructure 3.10.2
CSCvz78981	Enhancement - Need to update multiple civic locations for the campus and building

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**.

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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