



Cisco Prime Infrastructure 3.1.5 Release Notes

Introduction

This is the fifth maintenance release for Cisco Prime Infrastructure 3.1.

You can install Cisco Prime Infrastructure 3.1.5 Maintenance Release on Cisco Prime Infrastructure 3.1, 3.1.1, 3.1.2, 3.1.3, and 3.1.4 versions. You must install Cisco Prime Infrastructure 3.1 Device Pack 6 or higher version over 3.1.x before installing Cisco Prime Infrastructure 3.1.5.

Prime Infrastructure 3.1.5 Maintenance Release file **PI_3_1_5-1.0.44.ubf** is approximately 730 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 3.1 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 **System Settings > General > Help Us Improve**.

System Requirements

For more information on server and web client requirements, see the [Understanding System Requirements](#) section in the *Cisco Prime Infrastructure 3.1 Quick Start Guide*.

Installation Guidelines

The following sections explain how to install the maintenance release.

- [Recommended Licensing Updates](#)



- [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](#)

Recommended Licensing Updates

Prime Infrastructure 3.1.5 supports token-based licensing model for Lifecycle and Assurance licenses. The license consumption is based on token weight per device type. For example, if you add an ASR 1001 device having token weight 3, the Lifecycle license/tokens consumed for managing the device is 3.

Due to this token-based licensing, a Prime Infrastructure instance consumes more tokens than what were consumed before. To avoid this overhead to the existing customers, Prime Infrastructure 3.1.5 supports generation of a one-time grandfathered license file for managing the existing devices without the need to buy additional licenses. This special privilege is provided to the existing customers as a one-time activity upon installation of Prime Infrastructure 3.1.5 update on Prime Infrastructure 3.1. or 3.1.1. The grandfathering license privilege will not be available if you install Prime Infrastructure 3.1.5 on Prime Infrastructure 3.1.2, 3.1.3, or 3.1.4.

- You must have Prime Infrastructure 1.x or 2.x license or both 1.x and 2.x licenses to avail the grandfathering license privilege.
- The grandfathered license file is a permanent license file and can be added/downloaded like other license files.
- The grandfathered license file is encrypted and is not node locked.

To Avail the Grandfathered License Support

- Ensure Traditional Licensing is enabled.
 - Go to **Administration > Licenses and Software Updates > Smart Software Licensing**.
 - Choose **Traditional Licensing**.
 - Check whether the **Register** button is disabled to confirm the selection of Traditional Licensing.
- Ensure 1.x or 2.x permanent licenses are added.

Limitations

- Only 20,000 grandfathered tokens can be generated per Prime Infrastructure instance.
- Assurance tokens will be generated only when Assurance permanent licenses are added on a Prime Infrastructure instance before applying Prime Infrastructure 3.1.5.
- The number of grandfathered Assurance tokens generated is same as the number of grandfathered Lifecycle tokens.

After installing Prime Infrastructure 3.1.5, you can check the token consumption per device type in the **Traditional Licensing Dashlet** under **Administration > Dashboards > Licensing Dashboard**.

Before You Begin Installing the Maintenance Release



Caution

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.

To restore the backup of the Prime Infrastructure 3.1 installation, follow these steps:

1. Reinstall Prime Infrastructure 3.1 from an OVA or ISO distribution.
2. If the backup is a Prime Infrastructure 3.1 backup, restore the backup on Prime Infrastructure 3.1 server before applying the Maintenance Release 3.1.5.
3. If the backup is taken on a Prime Infrastructure 3.1.x server, install Prime Infrastructure 3.1.5 and then restore the backup.

Similarly, if you are running Prime Infrastructure 3.1 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 [Restoring From Application Backups](#) in the *Cisco Prime Infrastructure 3.1.5 Administration Guide*.

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 3.1.5 Administration Guide*.

Installing the Maintenance Release from Cisco Site



Caution

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](#) and [Recommended Licensing Updates](#).

To install Cisco Prime Infrastructure 3.1.5 from the Cisco site, follow these steps:

- Step 1** Log in to the Prime Infrastructure 3.1 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 3.1.5 Maintenance Release file name **PI_3_1_5-1.0.44.ubf**.

- Step 7** Click **Install** to install the maintenance release.
- Step 8** Click **Yes** in the popup dialogue box to install Cisco Prime Infrastructure 3.1.5. The Cisco Prime Infrastructure server will restart automatically. It may take approximately 25 to 35 minutes for the installation process to complete.
- 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.

**Note**

All Maintenance Releases are cumulative in nature and usually involve updates to database; it generally takes more time to upgrade a Prime Infrastructure 3.1 server to Prime Infrastructure 3.1.5 as compared to an environment in which a Prime Infrastructure 3.1.x is upgraded to Prime Infrastructure 3.1.5.

Installing the Maintenance Release from Local Storage

**Caution**

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](#) and [Recommended Licensing Updates](#).

To install Cisco Prime Infrastructure 3.1.5 from the local storage, follow these steps:

- Step 1** Download the Prime Infrastructure 3.1.5 Maintenance Release **PI_3_1_5-1.0.44.ubf** from [Home > Products > Cloud and Systems Management > Routing and Switching Management > Network Management Solutions > Prime Infrastructure > Prime Infrastructure 3.1 > Prime Infrastructure Patches-3.1.5](#) and save the file in your local system.
- Step 2** Log in to Prime Infrastructure 3.1 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_1_5-1.0.44.ubf** is listed under **FileName** column.
- Step 6** In the **Critical Fixes** pane, click **Install**.
- Step 7** Click **Yes** in the popup dialogue box to install Cisco Prime Infrastructure 3.1.5. The Cisco Prime Infrastructure server will restart automatically. It may take approximately 25 to 35 minutes for the installation process to complete.
- Step 8** 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.

**Note**

All Maintenance Releases are cumulative in nature and usually involve updates to database; it generally takes more time to upgrade a Prime Infrastructure 3.1 server to Prime Infrastructure 3.1.5 as compared to an environment in which a Prime Infrastructure 3.1.x is upgraded to Prime Infrastructure 3.1.5.

Installing the Maintenance Release in High Availability Mode

Download the Prime Infrastructure 3.1.5 Maintenance Release **PI_3_1_5-1.0.44.ubf** from [Home > Products > Cloud and Systems Management > Routing and Switching Management > Network Management Solutions > Prime Infrastructure > Prime Infrastructure 3.1 > Prime Infrastructure Patches-3.1.5](#) and save the file in your local system.

To install the downloaded Prime Infrastructure 3.1.5 Maintenance Release **PI_3_1_5-1.0.44.ubf** in High Availability mode follow the below steps:

- Make sure that you have completed the recommended preparation steps given in [Before You Begin Installing the Maintenance Release](#).

**Note**

Prime Infrastructure 3.1.5 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 3.1.5 when HA is enabled.

- If you are installing Cisco Prime Infrastructure Maintenance Release 3.1.5 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 [Removing HA Via the GUI](#) in the Cisco Prime Infrastructure 3.1.5 Administrator Guide.

- Continue the patching once HA removed completely. For more details, see the [Patching New High Availability Servers](#) section in the *Cisco Prime Infrastructure 3.1.5 Administration 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 3.1.5 Administration 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 3.1*.

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. To know how to add tasks to AAA server refer [Creating ACS Policy Elements or Authorization Profiles for RADIUS](#) and [Creating ACS Policy Elements or Authorization Profiles for TACACS+](#). 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, see [Setting the AAA Mode](#) section in the *Cisco Prime Infrastructure 3.1.5 Administration Guide*.

Migrating from Previous Releases of Cisco Prime Infrastructure

You can restore the backup from following Prime Infrastructure versions to Prime Infrastructure 3.1.5:

- 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

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 3.1 Quick Start Guide](#) before you restore your data from Prime Infrastructure 3.0.x or 3.1 to your newly installed Prime Infrastructure 3.1.5 server:

You can apply the Cisco Prime Infrastructure 3.1.5 over Cisco Prime Infrastructure 3.1 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 [Upgrading From Previous Releases of Prime Infrastructure](#) section of the *Cisco Prime Infrastructure 3.1 Quick Start Guide*.

Physical Appliance Options

Prime Infrastructure 3.1.5 is supported on 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 3.1.5 Gen 1 Appliance, see the [Prime Infrastructure 3.1.4 Generation 1 Upgrade and Migration Guide](#).

Hyper-V Support

Cisco Prime Infrastructure on Microsoft Hyper-V extends Cisco networking benefits to Microsoft Windows Server Hyper-V deployments.

Hyper-V is a hypervisor-based server-virtualization product that improves utilization, consolidates server workloads, and reduces costs. To achieve this, Cisco Prime Infrastructure on Hyper-V uses hardware virtualization to enable multiple operating systems to run on a single host, and allows the operating systems to share the same underlying physical hardware.

You can deploy Cisco Prime Infrastructure on Hyper-V in a standalone role or as an installable product. For more details, see [Cisco Prime Infrastructure 3.1.5 Installation and Migration Guide for Microsoft Hyper-V Virtual Machine](#).

Prime Infrastructure Operations Center is not supported on Microsoft Hyper-V.

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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Prime Infrastructure Licenses

For detailed information on procuring a license for Prime Infrastructure, see the [Cisco Prime Infrastructure 3.1 Ordering and Licensing Guide](#).

Supported Devices

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

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- 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 3.1 Supported Devices list at the following URL:

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

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

New Features and Enhancements

This section provides a brief description of new features and enhancements in this release.

Wireless Feature Enhancements

**Note**

Cisco Prime Infrastructure Release 3.1.5 supports the following features of Cisco WLC Release 8.4.

- Support for Flexible Radio Assignment (FRA) configuration to determine the role of new Flexible Radio (2.4 GHz, 5GHz, or Monitor) on Cisco Aironet 2800 and 3800 Series Access Points.
- Support for DHCP server on Cisco Mobility Express controllers.
- Enhancement on Cisco controller for simplified integration with Cisco ISE
- Support for MAC filtering capability for Lobby Ambassador or Guest Users.
- The following dashlets are newly added under Overview dashboard. These dashlets work only on site filter selection criteria. The data is displayed based on the latest snapshot data available in Cisco Prime Infrastructure database.

To view these dashlets, navigate to **Dashboard > Overview > Client** dashboard:

- Client Distribution By RSSI

- Client Distribution By SNR
- Client Distribution By Connection Score
- Client Distribution By Connection State
- Client Capability By Max Protocol
- Client Distribution By Connected Protocol
- Client Distribution By Data Rate
- Client Distribution By EndPoint Type
- The following dashlets are newly added under Performance dashboard. These dashlets compute and display information for the last 24 hours of data available in Cisco Prime Infrastructure database. These dashlets work only on site filter selection criteria.

To view these dashlets, navigate to **Dashboard > Performance > Site** dashboard.

- Top 10 Access Points By Usage
- Top 10 WLAN By Usage
- Top 10 Clients By Usage
- Support for EoGRE monitoring on Clients and Users page—The following fields are introduced under **Monitor > Monitoring Tools > Clients and Users**:
 - Client Tunnel Type
 - EoGRE Tunnel Name
 - EoGRE Tunnel IP Address

The following fields are introduced under **Wireless Controller > WLANs** page:

- EoGRE Tunnel Name
- EoGRE Tunnel IP Address
- EoGRE Tunnel Op Status
- Support for TrustSec feature on Cisco Controllers running Cisco AireOS 8.4 Release.
- Enhancements to URL ACL feature.
- Support for Network Address Translation (NAT) and Port Address Translation (PAT)—You can enable the central DHCP processing to enable NAT and PAT. You can enable or disable NAT and PAT on locally switched WLANs.

Platform Enhancements

The following AP platforms have been introduced in this release.

- Cisco Aironet 1815i Series APs
- Cisco Aironet 1810OEAP Series APs
- Cisco Aironet 1815W Series APs
- Cisco Aironet 1815T Series APs
- Cisco Aironet 3800P APs
- Cisco Aironet 1815m APs
- Cisco Aironet 1542i APs

- Cisco Aironet 1542d APs
- Mesh support on Cisco Aironet 1562 series APs

Software Image Management



Note

In order to download a EULA or K9 software image from cisco.com, you must accept/renew the [EULA agreement](#) or [K9 agreement](#) periodically.

Prime Infrastructure displays the recommended latest software images for the device type you specify, and it allows you to download the software images directly from cisco.com. Prime Infrastructure does not display deferred software images. For detailed information, see [Cisco Prime Infrastructure 3.1 Supported Devices list](#).

If you encounter any error message while importing software image from cisco.com, refer the [ASD Exceptions and Error Conditions](#) section in the *Cisco Prime Infrastructure 3.1.5 User Guide*.

DMVPN Monitoring Support for IWAN

Prime Infrastructure allows you to view details of routers supporting DMVPN and the active spokes count from **Services > Application Visibility and Control > DMVPN Monitor Home**.

System Monitoring Dashboard Enhancements

The following dashlets are newly added in the Performance dashboard.

- System Disk IOPSQ
- System Disk Outstanding I/O
- Network Interface Traffic

Compliance Job Enhancements

The Compliance Audit jobs is moved from **Configuration > Compliance > Jobs** to **Administration > Dashboard > Job Dashboard**.

The following details can be viewed from the Violation Details page.

- Status of scheduled fixable violation jobs
- Details of fixed violation jobs
- Details of fix failed violation jobs

Application Visibility Control Configuration Support

The Application Visibility feature is supported on the following platforms:

- ASR 1000 series platform from Cisco IOS-XE Release 15.3(1)S1 or later

- ISR G2 platform from Cisco IOS Release 15.2(4)M2 or later
- ISR 4300 and 4400 series platform from Cisco IOS-XE Release 15.3(2)S or later
- CSR platform from Cisco IOS-XE Release 15.3(2)S or later
- ISRv Cisco Integrated Services Virtual Router Release 16.3 or later
- Cisco C881 Integrated Services Router - support added under ISRG2

Important Notes

- In addition to installing Prime Infrastructure 3.1.5 on Prime Infrastructure instances, make sure that you also install Prime Infrastructure 3.1.5 on Prime Operations Center.
- Prime Operations Center 3.1.5 manages Prime Infrastructure 3.1.x. 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 [Setting Up Operations Center](#) in *Cisco Prime Infrastructure 3.1.5 Administrator Guide*.

You can install Prime Infrastructure 3.1.x 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 [Enabling HA for Operations Center](#) in *Cisco Prime Infrastructure 3.1.5 Administrator Guide*.

- When Prime Infrastructure is integrated with an APIC-EM server and the Plug and Play profile created by Prime Infrastructure is deleted due to any of the following reasons, the PnP profile create, edit, or status monitor will fail:
 - By logging into the APIC-EM server and the PnP profile is deleted.
 - A later version of APIC-EM is installed and it is integrated again with Prime Infrastructure that does not have Plug and Play profiles created on it earlier.
 - Upgraded APIC-EM causes loss of data that Prime Infrastructure had created earlier.

The workaround for this problem is you should synchronize the data manually by:

- Deleting and recreating the profile again after adding APIC-EM.
- Exporting as CSV and importing it back after creating the corresponding profile for all profiles or device profiles.
- Creating the profiles or device profiles using the user interface.
- Access Network Workflow—If you could not find the scrollbar in any of the Access Network workflow pages on MAC OS, go to **System Preferences > General** and set the **Show scroll bars** option to **Always**.
- IWAN Workflow—The Interfaces values will not show on the drop-down list in the IWAN configuration page, if you choose **All Selected Devices** option. If you choose any particular device, the drop-down list will show the interface details corresponding to the selected device.
- You might observe a performance impact (slow/sluggish response) while accessing the **Network Health** page from **Dashboard** in Prime Infrastructure server if there are more than 999 location groups and if you choose **All Locations** instead of selecting a specific location group under **Dashboard > Network Summary > Network Health > Site**.

- Software Image Management—If you add TFTP protocol with a wrong home directory and click **Verify Credentials**, as expected the status will report a **Failure** only if you have installed Cisco Prime Infrastructure Device Pack 7 on Cisco Prime Infrastructure 3.1.5.
- Monitoring Unified Access Points—Packet capture will happen only if the AP and FTP are in the same subnet.
- Use the following workaround if wireless AP provisioning is not working when APIC-EM GA Release 1.5.0.x is integrated with PNP.
 - Uninstall APIC-EM GA Release 1.5.0.
 - Download the APIC-EM iso file ([APIC-EM-1.4.3.1009.iso](#)) and APIC-EM upgrade package ([apic_em_update-apic-GA5-1.5.0.1368.tar.gz](#)) from Cisco.com.
 - Install APIC-EM GA Release 1.4.3.1009.
 - Once the server is up and running, login to the APIC-EM server as an administrator.
 - Click settings icon.
 - Click **Settings** under **APIC-EM**.
 - In the left panel, click **Update** under **Controller Settings**.
 - Drag and drop the downloaded **apic_em_update-apic-GA5-1.5.0.1368.tar.gz** file to the **Drag & Drop Release Upgrade Package** file area.

Open Caveats

Table 1 lists the Open Caveats in Cisco Prime Infrastructure Release 3.1.5.

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 1 Open Caveats

Identifier	Description
CSCUu78607	Speed rule with mb/s in port group does not filter correctly.
CSCUx01388	It takes five minutes to create a virtual domain of 500 devices.
CSCUx79124	Failure Source not reflected for link down alarms.
CSCUy17727	Enhancement to remove duplicate items from the table if they have been added already.
CSCUy43264	When converting a switch from Standalone to VSS mode with SCP server as backup option, the VSS conversion is successful every time even if you enter invalid data in the input fields and credentials.
CSCUy45093	Certificate Revoke fails if the certificate is installed by Plug and Play (APIC-EM) and the device credentials don't match the global credentials defined in APIC-EM.
CSCUy64517	You cannot perform Packet Capture - Copy To/Merge from non-root users.
CSCUy69105	Prime Infrastructure performance - After Template creation it takes 10 sec for page navigation.
CSCUy69984	Evaluation of Apache Tomcat Vulnerabilities.
CSCUy83031	HA registration works only without virtual IP. HA registration fails when you try to configure virtual IP. This is applicable for dual NIC scenario.
CSCUy86411	Event window update takes too long when the user moves the scroll bar.
CSCUz46409	Prime Infrastructure ncsDiag page is accessible to all root users.

Table 1 Open Caveats (continued)

Identifier	Description
CSCuz60817	Deleting maps it takes a long time and Prime Infrastructure logs out due to inactivity.
CSCuz70709	NFS error not clear.
CSCva06352	Error in device group association after import.
CSCva20201	Registering smart licensing with valid URL fails after registering smart licensing with invalid URL.
CSCva21647	Profile instance is not deleted from APIC-EM.
CSCva22834	ApRssiMeasurementPoller design and implementation uses an inefficient count query per every MacAddress to determine whether to Poll the AP or skip it.
CSCva37311	An error occurs when planning mode is selected for site maps in Cisco Prime Infrastructure 3.1.
CSCva42632	Correlation debug options need to be added to trace logging page.
CSCva49575	Cisco Prime Infrastructure 3.1.1 cannot create a PnP Profile if APIC-EM and Prime Infrastructure are out of sync.
CSCva62067	Primary stand-by startup failed HM events during force failover.
CSCva83270	MSE does not sync WLC that has IPv6 APs.
CSCvb65055	Managed IP address of device changed in inventory after 24 hrs added via PnP.
CSCvb66585	Grandfathering does not always work with vintage Prime Infrastructure licenses.
CSCvb77514	HA Failover/Failback cache rebuilding using multi-threading.
CSCvb92441	Prime Infrastructure 3.1 with DP – SWIM job fails for 5760 device in install to install mode.
CSCvb92550	Prime Infrastructure 3.1.4 UBF: Proper ERROR has to be shown for DB copy failure due to network disconnection.
CSCvc13692	Hyper-V: Admin CLI Password Recovery Failed.
CSCvc66470	Failback to new primary fails - shows Error:Null in secondary HM.
CSCvc60341	Root-provider getting removed causing login failure.
CSCvc24922	Prime Infrastructure 3.1 - some of the job triggers are not updated after Prime Infrastructure restart.
CSCvc85327	Image import from CCO fails if user does not sign up EULA agreement.
CSCvc90153	Cisco catalyst 3850 and 5760 requires user manual boot and reload otherwise device will be in SWIM deadlock state.
CSCvf03671	AP provisioning is not working with new APIC-EM GA Release 1.5.0.1368.

Resolved Caveats

[Table 2](#) lists the bugs resolved in Prime Infrastructure 3.1.5

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 resolved caveats using the [Bug Search Tool](#).

Table 2 *Resolved Caveats*

Identifier	Description
CSCuw53792	Unable to create interface on WLC even after deploying dynamic interface template from CSV file.
CSCuz78415	After the upgrade from 3.0 to 3.1, Prime Infrastructure automatically creates duplicate location groups and deletes the existing dynamic rules.
CSCva03460	Failed to perform secondary to primary copy operation and failback, when high availability primary is down for more than 24 hours.
CSCva09344	In Prime Infrastructure 3.1, password with space shows successful verification of credentials.
CSCva46999	Unable to modify and save credential profile when only SNMP 'Privacy Type' is changed.
CSCva60349	Unable to open Support Case using Prime Infrastructure 3.1 Web GUI.
CSCva65999	Controller configuration backup task on job dashboard shows incorrect status.
CSCva80722	The PSIRT and EOX report is still showing old IOS device version information.
CSCvb01945	Compliance jobs runs only on first 11 device entries.
CSCvb19696	Switchport description cannot be updated via Prime Infrastructure.
CSCvb26910	Search for MAC address with period is not working.
CSCvb30183	RBAC access to APIC-EM controllers is incorrectly mapped to task.
CSCvb36392	Unable to login into Prime Infrastructure with the local user created under TACACS mode.
CSCvb50328	TX/RX reports fails to export to .csv file when b/g/n is selected.
CSCvb54936	Controller configuration backup using external SFTP is not working.
CSCvb57449	When Inspect voice readiness is selected, it shows an unknown exception.
CSCvb58860	In Prime Infrastructure, URL ACL is not supported for VWLC WLAN.
CSCvb61010	In Prime Infrastructure 3.1.3, compliance audit job fails for more than 1400 devices.
CSCvb61499	In Prime Infrastructure 3.1, HA Failover/Failback fails due to incorrect netmask on Virtual IP.
CSCvb62129	Reporting reachability status in Prime Infrastructure takes very long time.
CSCvb62850	The time taken to complete exporting the devices is slow because of location group name in CSV file.
CSCvb65979	'Empty/Invalid file name' error is shown while importing maps.
CSCvb69046	In Prime Infrastructure 3.1, a client username with backslash results in blank user 360 view.
CSCvb70462	Value for minimum RAM requirement for the images need to be increased.
CSCvb71114	Prime Infrastructure 3.1 does not display wired client IP address if the IP phone is connected to same port.
CSCvb71760	Unmanaged device sync thread blocking the other inventory collection feature.
CSCvb72780	The export data in syslog viewer is incorrect.
CSCvb73440	Fresh install 3.1 and inline upgrade 3.1, running on the same version Prime Infrastructure 3.1.3, have different task lists for root user group.

Table 2 Resolved Caveats

CSCvb73511	Unified AP Status dashlet shows 0% unreachable when there are few APs unreachable.
CSCvb74226	Prime Infrastructure 3.1 and 3.0 does not send email and alarm notifications after active role takeover.
CSCvb74845	Unable to deploy CLI templates using CSV files in Prime Infrastructure 3.1.
CSCvb77023	Unable to find floors after importing the exported maps in Prime Infrastructure 3.1.3.
CSCvb78353	Compliance policy with a wrong rule shows inappropriate error message in user interface.
CSCvb78355	On Prime Infrastructure 3.1 setup, sleeping client default value in WLAN Template is 2592000.
CSCvb78617	Audit mismatch in Prime Infrastructure for AP/MSE authorization template.
CSCvb81621	Licenses are not consumed for few device types.
CSCvb82555	Unable to enter default value in IOS-XE template for converged access.
CSCvb86811	Prime Infrastructure loses the Smart Licensing setting and the port 9991 gets blocked after a restart.
CSCvb87894	The description is inappropriate for config archive supported protocol.
CSCvb88204	In Prime Infrastructure 3.1.3, sysUpTime is incorrect for 3850 switch.
CSCvb89692	Need to clear existing cli_port entry during profile association.
CSCvb89749	Background tasks fails to migrate completely to jobs dashboard when restoring backup from Prime Infrastructure 3.0 to 3.1.
CSCvb90029	While defining virtual domains in Prime Infrastructure 3.1.3, changing antenna types on an AP causes nullPointerException.
CSCvb90107	Unique client report shows clients with date stamps of Dec 31, 1969 and duplicate entries.
CSCvb90225	Lightweight AP operational status job may run slowly or fail while discovering APs.
CSCvb91367	In SWIM, some information needs to be added in the online help document when using Erase flash to remove multiple versions of IOS on a device.
CSCvb93016	In SWIM, warning message need to be changed when using erase flash to remove multiple versions of IOS on a device.
CSCvb93300	Need a script to update the antenna names for all their APs in a single run.
CSCvb93642	In Prime Infrastructure 3.1.3, delete device does not delete the WLC 5508 Controllers.
CSCvb93818	Unable to give the special character as a fix input while running fix job.
CSCvb94238	In Prime Infrastructure 3.1.4, there is a slow response from Prime Infrastructure when accessing network health page.
CSCvb94366	After importing maps, manually adding campus/building/floor entries results in a constraint violation error.
CSCvb96238	Inconsistent behavior of dynamic rules for location groups.
CSCvb96800	When APs are placed on maps, client count on AP 360 is not updated for XOR radio.
CSCvb98588	In Prime Infrastructure 3.1, Interface Utilization report for single interface shows the following error 'Failed to run report: Unable to retrieve data for: Top-N Rx Utilization'.
CSCvb99469	Unable to add APIC-EM controller using its hostname.
CSCvc00875	My templates in configuration template keeps on loading.
CSCvc03258	Device with AuthNoPriv shows SNMP Read as 'Success' & SNMP Write as 'Failure'.
CSCvc03286	After removing the CLI credentials with SNMP only, device sync results in collection failure status.
CSCvc04197	In dashlet, client count report shows an error while running without pagination.
CSCvc06412	The last AP entry is truncated while adding APs to a FlexConnect group.

Table 2 Resolved Caveats

CSCvc08475	Device config backup external job fails with duplicate entries.
CSCvc10363	SystemDashletService.getSystemHealthInfo throws NoSuchMethodError.
CSCvc12347	Compliance fix CLI is cleared when conditions and actions are removed from the compliance policies.
CSCvc14509	Unable to add virtual IP in SSO Server with fully qualified DNS name.
CSCvc16943	In Prime Infrastructure 3.1.4, new device may not be dynamically added to an existing monitoring policy
CSCvc17017	Prime Infrastructure3.1: User Name filtering does not work in End User Experience tab on Dashboard.
CSCvc20061	Unable to generate location heatmap when ‘on demand location’ for the rogue AP detected on the alarms is selected.
CSCvc21566	In Prime Infrastructure 3.X, devices are added to groups automatically after each sync or change of device.
CSCvc22214	GroupsServiceException while updating groupRules.
CSCvc25401	Unable to find client association history for few clients.
CSCvc25539	In Prime Infrastructure 3.1, API access in user interface creates files in /opt/CSColumos/tmp, increases /opt volume.
CSCvc25573	Cisco Prime Infrastructure Local File disclosure vulnerability.
CSCvc25584	WAN link compare and PfR Topology shows incorrect tunnel interfaces for a given border router.
CSCvc26600	On clicking on WAN link in topology and exception in logs, Prime Infrastructure incorrectly displays Interface Utilization in a dashlet.
CSCvc28927	Prime Infrastructure sends additional email notification for interface flapping even when suppression policy is turned on.
CSCvc28951	Missing location groups in UI in alarm policy screen.
CSCvc36823	AP icons on Floor View appear with delay if WLC is unreachable or slow.
CSCvc38992	Server URL is redirected to local host.
CSCvc40626	Prime Infrastructure 3.1- Port Channel status not consistent across the various sections.
CSCvc56321	Able to delete default dashboard Access Point in performance dashboard.
CSCvc57507	In Prime Infrastructure 3.0, drop-down menu is still visible for MAC filtering templates.

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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