



# Release Notes for Cisco Prime Infrastructure, Release 2.0

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## Introduction

The Cisco Prime Infrastructure is a network management tool that supports lifecycle management of your entire network infrastructure from one graphical interface. Prime Infrastructure provides network administrators with a single solution for provisioning, monitoring, optimizing, and troubleshooting both wired and wireless devices. Robust graphical interfaces make device deployments and operations simple and cost-effective.



Prime Infrastructure provides two different graphical user interfaces (from which you can switch back and forth by clicking the downward arrow next to your login name):

- Lifecycle view, which is organized according to the home, design, deploy, operate, report and administer menus.
- Classic view, which closely corresponds to the graphical user interface in Cisco Prime Network Control System 1.1 or Cisco Wireless Control System (WCS).

For more information on the Lifecycle view of the Prime Infrastructure features, see the following URL:

[http://www.cisco.com/en/US/partner/docs/net\\_mgmt/prime/infrastructure/2.0/user/guide/prime\\_infra\\_ug.html](http://www.cisco.com/en/US/partner/docs/net_mgmt/prime/infrastructure/2.0/user/guide/prime_infra_ug.html)

For more information on the Classic view of the Prime Infrastructure features, see the following URL:

[http://www.cisco.com/en/US/partner/docs/wireless/prime\\_infrastructure/2.0/configuration/guide/pi\\_20\\_cg.html](http://www.cisco.com/en/US/partner/docs/wireless/prime_infrastructure/2.0/configuration/guide/pi_20_cg.html)

## System Requirements

For more information on server and web client requirements, see the [System Requirements](#) section of the *Cisco Prime Infrastructure 2.0 Quick Start Guide*.

## Installation Guidelines

For detailed information about the installation guidelines, see the following URL:

[http://www.cisco.com/en/US/partner/docs/net\\_mgmt/prime/infrastructure/2.0/quickstart/guide/cpi\\_qsg.html#wp56681](http://www.cisco.com/en/US/partner/docs/net_mgmt/prime/infrastructure/2.0/quickstart/guide/cpi_qsg.html#wp56681)

## Upgrading Cisco Prime Infrastructure



### Note

- Make sure you have the necessary minimum disk space required for upgrading as described in the [Cisco Prime Infrastructure 2.0 Quick Start Guide](#).
- Install a patch to the existing system before performing the upgrade.
- We highly recommend that you back up your data before the upgrade and save it for the future.
- Use a console connection when you upgrade to avoid Telnet/SSH terminal timeouts.
- Remove high availability before performing the upgrade.

You can upgrade the following NCS/Prime Infrastructure 1.x versions to Prime Infrastructure 2.0:

- 1.1.1.24 with patch ncs\_1\_1\_1\_24-Update.13.4.tar.gz
- 1.2.1.12 with patch PI\_1\_2\_1\_12-Update.1.0.tar.gz
- 1.3.0.20 with patch PI\_1\_3\_0\_20-Update.1.12.tar.gz and/or PI\_1\_3\_0\_20\_Update.4-16.tar.gz
- 1.2.1.12 (migrated from 1.2.0.103) with patch PI\_1\_2\_1\_12u-Update.1.tar.gz

The following NCS/Prime Infrastructure 1.x backups can be restored to Prime Infrastructure 2.0:

- 1.1.1.24 with Patch ncs\_1\_1\_1\_24-Update.13.4.tar.gz
- 1.2.1.12 with Patch PI\_1\_2\_1\_12-Update.1.0.tar.gz
- 1.3.0.20 with patch PI\_1\_3\_0\_20-Update.1.12.tar.gz and/or PI\_1\_3\_0\_20\_Update.4-16.tar.gz
- 1.2.1.12 (migrated from 1.2.0.103) with patch PI\_1\_2\_1\_12u-Update.1.tar.gz

The following NCS/Prime Infrastructure 1.x versions cannot be upgraded or restored to Prime Infrastructure 2.0:

- 1.4
- 1.2.0.103
- 1.1.0.58 and earlier versions

For detailed information about the application upgrade, see the following URL:

[http://www.cisco.com/en/US/docs/net\\_mgmt/prime/infrastructure/2.0/quickstart/guide/cpi\\_qsg.html#wp56675](http://www.cisco.com/en/US/docs/net_mgmt/prime/infrastructure/2.0/quickstart/guide/cpi_qsg.html#wp56675)

## Submitting Feedback

Your feedback will help us improve the quality of our product. To send your feedback, follow these steps:

- 
- Step 1** If you have configured your mail server, go to Step 8.
  - Step 2** Choose **Administration > System Settings > Mail Server Configuration**.
  - Step 3** In the Mail Server Configuration page, enter the mail server details.
  - Step 4** Click **Save** to save the configuration settings.
  - Step 5** Choose **Help > Help Us Improve Cisco Products**.
  - Step 6** In the Help Us Improve Cisco Products page, select the **Yes, collect data periodically** option.
  - Step 7** Click **OK**.
  - Step 8** Choose **Help > Submit Feedback** (in the Classic view) or click the question mark icon at the top right and then click **Submit Feedback** (in the LifeCycle view).



**Note** You must configure the email server and then enable data collection to configure the feedback tool.

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## Prime Infrastructure License

For detailed information on the Prime Infrastructure Licensing, see the following URL:

[http://www.cisco.com/en/US/products/ps12239/products\\_data\\_sheets\\_list.html](http://www.cisco.com/en/US/products/ps12239/products_data_sheets_list.html)

## Supported Devices List

To view the list of supported devices in Prime Infrastructure:

- 
- Step 1** Log in to Prime Infrastructure.
- Step 2** Switch to the Lifecycle view (if applicable).
- Step 3** Click the question mark icon (Help) at the top right.
- Step 4** Click **Devices Level Support**.
- 

## Supported Wireless LAN Controller Hardware Models

Table 1 lists the wireless devices and their software versions supported by Prime Infrastructure 2.0.

**Table 1** *Supported Wireless LAN Controller Hardware Models and Software Versions*

Wireless LAN Controller Hardware Models	Wireless LAN Controller Software Versions
Cisco 2100 Series	7.0.x
Cisco 2500 Series	7.0 through 7.4.110.0
Cisco 4400 Series	7.0.x
Cisco 5500 Series	7.0 through 7.4.110.0
Cisco Flex 7500 Series	7.0 through 7.4.110.0
Cisco 8500 Series	7.3 through 7.4.110.0
Cisco Virtual Controller	7.3 through 7.4.110.0
Cisco WiSM	7.0.x
Cisco WiSM2	7.0 through 7.4.110.0
Cisco Wireless Controller on Service Ready Engine (WLCM2 on SRE)	7.2.110.0
Cisco Catalyst 3750G Series Integrated Wireless LAN Controllers	7.0 and later versions
Cisco Catalyst 3850 Switch	3.2.3SE
Cisco 5700 Series Wireless Controller	3.2.3SE

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

[http://www.cisco.com/en/US/docs/wireless/controller/5500/tech\\_notes/Wireless\\_Software\\_Compatibility\\_Matrix.html](http://www.cisco.com/en/US/docs/wireless/controller/5500/tech_notes/Wireless_Software_Compatibility_Matrix.html)

To view the Cisco Prime Infrastructure supported devices, see the following URL:

[http://www.cisco.com/en/US/docs/net\\_mgmt/prime/infrastructure/2.0/supported/devices/pi20-supported\\_devices\\_list.xlsx](http://www.cisco.com/en/US/docs/net_mgmt/prime/infrastructure/2.0/supported/devices/pi20-supported_devices_list.xlsx)

Cisco Prime Infrastructure supports integration with following devices:

- Mobility Services Engines (MSE)—Cisco MSE 335
- Identity Services Engine (ISE)—Cisco ISE 1.0, Cisco ISE 1.1, Cisco ISE 1.2

# New Features and Enhancements

This section provides a brief description of what is new in this release. For more information about the features and benefits, as well as hardware and software specifications, see the Cisco Prime Infrastructure 2.0 Data Sheet at:

[http://www.cisco.com/en/US/products/ps12239/products\\_data\\_sheets\\_list.html](http://www.cisco.com/en/US/products/ps12239/products_data_sheets_list.html)

- Extended Device Support and Scalability (Wired / Wireless)
  - With Prime Infrastructure 2.0, you can manage up to 13,000 wired devices, up to 1,000 controllers, up to 20,000 Unified Access Points, up to 3,000 autonomous Access Points, and up to 1,000 Network Analysis Modules.
  - Day-1 support of new Cisco devices and software releases helps ensure up-to-date coverage with no manageability gaps, which is provided through monthly IDUs-Incremental Device Updates.
- Guided Workflow for Day1 Deployment
  - Streamlined workflows facilitate design, deployment, and operational lifecycle tasks that align with user roles.
- Plug and Play for Wired/Wireless Devices
- Out-of-the-Box Best Practice Configuration for Optimized Deployment of Cisco Features and Technologies
  - Model-based simplified workflow to assess the network for Cisco TrustSec 802.1x readiness and facilitate the deployment of network technologies and solutions, such as one-click AVC Configuration from device work center, Cisco TrustSec 802.1x and Zone-Based Firewall (ZBF), all based on Cisco best practices.
- Support for Wireless LAN Controller (WLC) Release 7.4
- Support for new hardware and software features introduced in WLC Release 7.4. This includes WLC 5760 controller, 3850 switch, virtual WLC platforms, AP 2600, AP 1550 with EPON interface, high availability with sub-second failover, Proxy Mobile IPv6, and other features.
- Simplified Usability, Troubleshooting and Remediation to Improve application, services and the end-user experience
  - Contextual dashboards and 360-degree User and Device views display only the most relevant information for fast and efficient troubleshooting and remediation.
- Support for End-of-Sale/End-of-Life Lifecycle Management reports for hardware, software and modules.
- Support for PSIRT reports detailing devices impacted by Cisco security advisories.
- Enhanced API support and Out-of-the-Box scripts.
- Mobility Work Center—The Mobility Work Center displays all mobility domains configured in the managed network using Prime Infrastructure.
- Application Services Health Dashboard.
- Automated baselines and dynamic thresholds for enhanced application visibility, monitoring and troubleshooting.
- Embedded Packet Capture support for ASR.
- In Cisco Prime Infrastructure 2.0, you can use WSMA (over SSHv2) for configuring specific features on the ASR and ISR devices.

- The Cisco Easy VPN Remote eliminates much of this tedious work by implementing Cisco Unity Client Protocol, which allows most VPN parameters to be defined at a Cisco IOS Easy VPN server.
- The Interfaces feature helps in setting up physical and logical interfaces. Physical interfaces on a device depend on the device type and its interface processors or port adapters.
- Cisco AppNav, is a hardware and software solution that simplifies network integration of WAN optimization. It also overcomes the challenges related to provisioning, visibility, scalability, asymmetry, and high availability.
- The Cisco Wide Area Application Services (Cisco WAAS) container is a powerful WAN optimization acceleration solution

## Important Notes

This section contains important notes about Cisco Prime Infrastructure.

- If you have a large, dynamic network with a high range of roaming, some of the Prime Infrastructure monitoring and configuring screens might show different data for the same devices. For some monitoring screens, Prime Infrastructure displays data it retrieves directly from the devices. For configuration screens, Prime Infrastructure polls the devices, and because polling takes longer because of the network load, the configuration data might not refresh quickly. This limitation occurs primarily on client management screens because of client roaming in wireless networks and the increasing size and client density in such networks. Currently there is no workaround, but in subsequent releases of Wireless Controller software and Prime Infrastructure, enhancements are planned to improve data collection.
- When you use the write erase command to set the Prime Infrastructure server back to default factory settings, you receive the following warning: % Warning: 'write erase' functionality has been disabled by application: NCS.

To work around this problem, log in to the Prime Infrastructure server as root user and enter the following commands:

```
# root_enable
# root
# opt/system/bin/setup -c
# reboot
```

The Prime Infrastructure server returns to its default factory settings, except the hostname that was configured remains.

- The CCX Client Statistics report does not contain client information from the Cisco 5760 Wireless Controller and Cisco Catalyst 3850 Series Switches.
- Client Statistics—You will notice that the client statistics data displayed in the CLI output and Prime Infrastructure UI (in the Clients and Users page) are different. This is because the CLI output displays the upstream (data sent to client) and downstream (data received from client) packet/byte count from the AP's point of view, whereas, the Prime Infrastructure UI displays the upstream (data sent to AP and network) and downstream (data received from AP and network) packet/byte count from client's point of view.
- Support for Cisco 3850 and 5760 devices are available in the LifeCycle view only, that is, you can use the Lifecycle view to configure and monitor Cisco 3850 and 5760 devices while you can use the Classic view to manage the legacy controllers.

- After upgrading the software image for Cisco Catalyst 3850, you need to run the Switch Inventory task (Administration > Background Tasks > Switch Inventory) to update the Software Version field. This field is not updated as part of the Controller Inventory Background task or by enabling the Administration > System Settings > Controller Upgrade Settings > Auto Refresh After Upgrade option.
- SWIM Image Management and Supported Devices—[Table 2](#) provides a brief overview about the different processes involved in managing software images and whether the processes are supported in the Unified Wireless LAN Controllers and devices.

**Table 2** *Software Image Management Processes and Supported Devices*

Software Image Management Processes	Description	Unified WLCs	3850 Cisco IOS XE 3.2.1	5760 Cisco IOS XE 3.2.1
Image import from device	Ability to import software image from devices that are already deployed to Prime Infrastructure. The software image can then be distributed to other devices.	Not supported because the software image cannot be reassembled into a package.	Supported	Supported
Image import from file	Ability to import software image from known location on a file server to Prime Infrastructure. The software image can then be distributed to other devices.	Supported	Supported	Supported
Image import from URL	Ability to import software image from network accessible locations (URI/URL) to Prime Infrastructure. The software image can then be distributed to other devices.	Supported	Supported	Supported
Image import from Cisco.com	Ability to import software image from a trusted Cisco website to Prime Infrastructure. The software image can then be distributed to other devices.	Supported	Supported	Supported
Image upgrade/distribution	<p>Ability to upgrade software image on the managed devices from Prime Infrastructure. This allows you to update software image for multiple devices based on demand or at a later point in time as scheduled. The feedback and status are displayed during the upgrade and devices can be restarted, if required. In large deployments, you can stagger reboots so that the service at a site is not completely down during the upgrade window.</p> <p><b>Note</b> Software image distribution for Cisco WiSM2 controllers is not supported.</p>	Supported	Supported	Supported

**Table 2** *Software Image Management Processes and Supported Devices (continued)*

Software Image Management Processes	Description	Unified WLCs	3850 Cisco IOS XE 3.2.1	5760 Cisco IOS XE 3.2.1
Image recommendation	Ability to recommend a compatible image for the devices that are managed from Prime Infrastructure.	Not supported because the flash requirement is not available.	Supported	Supported
Image upgrade analysis	Ability to analyze the software images to determine the hardware upgrades required before you can perform the software upgrade.	Not supported because there is no minimum requirement for RAM or ROM. The newly upgraded image replaces the existing image after an upgrade.	Supported	Supported

- SWIM and Configuration Archives support for Devices during Cisco Prime Infrastructure releases—[Table 3](#) outlines the devices that the software image management and configuration archives support during the various Prime Infrastructure releases.

**Table 3** *SWIM and Configuration Archives support for Devices during Prime Infrastructure Releases*

Devices	Prime Infrastructure Releases
Cisco 4400 Wireless LAN Controller <sup>1</sup>	1.2, 1.3, 1.4, and 2.0
Cisco 5500 Series Wireless LAN Controllers	1.2, 1.3, 1.4, and 2.0
Cisco WiSM1 Controller	1.2, 1.3, 1.4, and 2.0
Cisco 2106 Wireless LAN Controller <sup>1</sup>	1.2, 1.3, 1.4, and 2.0
Cisco 2504 Wireless LAN Controller	1.2, 1.3, 1.4, and 2.0
Cisco 2800 and 3800 Series Integrated Services Routers	1.2, 1.3, 1.4, and 2.0
Cisco Flex 7500 Series Wireless LAN Controller	1.2, 1.3, 1.4, and 2.0
Cisco 8500 Wireless LAN Controller <sup>1</sup>	1.4 and 2.0
Cisco Virtual Wireless LAN Controller <sup>1</sup>	1.4 and 2.0
Cisco WiSM2 Controller	Not supported

1. PI 1.4 does not support SWIM in Cisco 2106/4400/8500/WiSM2/Virtual WLC.

## Open Caveats

[Table 4](#) lists the Open Caveats in Cisco Prime Infrastructure Release 2.0.

Click the identifier to view the impact and workaround for the caveat. This information is displayed in the [Bug Toolkit](#). You can track the status of the open caveats using the Bug Toolkit.



**Table 4**      **Open Caveats**

Identifier	Description
<a href="#">CSCts68658</a>	Image Import, Image Recommendation, and Image Upgrade Analysis are not supported for NAM and WAAS devices. However, Image Upgrade (Distribution and Activation) is supported.
<a href="#">CSCtz20743</a>	The image import operation for Cisco 5760 Wireless Controller and Cisco Catalyst 3850 Series Switches will work if the image is in the form of a package. It is not supported if the image is a single file.
<a href="#">CSCui62094</a>	If you have a large number of devices (10,000 or above) on the upgraded servers, manually-created configuration archive jobs might time out.
<a href="#">CSCug24594</a>	When a backup is taken from a server in one time zone and restored in a server from other time zone, if the time in the server where the backup is taken at the time of backup is ahead of the restored server time, the restore might fail.
<a href="#">CSCug61870</a>	Controller inventory collection might fail after upgrade from 1.3 to 2.0.
<a href="#">CSCug98765</a>	Image recommendation does not work for Cisco 2600, 3600, and 1260 devices.
<a href="#">CSCuh23514</a>	Cisco Prime Infrastructure 2.0 EoX report does not list some of the EoL devices.
<a href="#">CSCuh37746</a>	The same device with multiple addresses will be seen in the Device Work Center when added through bulk import if the device has multiple IP addresses configured.
<a href="#">CSCuh50826</a>	Virtual interfaces appear in dashlets as top utilized interfaces.
<a href="#">CSCuh54842</a>	Image filtering feature does not work for few devices running Cisco IOS XE or Cisco NX operating system.
<a href="#">CSCuh54877</a>	The device type column appears blank and device summary does not appear for WAAS installed on the SRE module.
<a href="#">CSCuh68205</a>	The guest client count information does not take the virtual domain configuration into account and the same information appears on all virtual domains irrespective of whether the concerned devices are a part of the virtual domain or not.
<a href="#">CSCuh80727</a>	Cisco Prime Infrastructure's Software Image Distribution may fail when a user attempts to distribute a .tar file to a device on Cisco Catalyst 3750 devices.
<a href="#">CSCui04378</a>	Unable to import the Cisco IOS XE 3.10 image from the Cisco ASR 1000 device.
<a href="#">CSCui18842</a>	The UDI information is not shown for A's joined to Cisco 5700 Series Wireless Controller and Cisco Catalyst 3850 Series Switches.
<a href="#">CSCui37857</a>	Antenna model AIR-ANT2440-NV-R is missing from the list of supported antennas for the AP1260s in Prime Infrastructure.
<a href="#">CSCui45820</a>	If you create a folder in PnP Profile that has the same name of a folder in Feature Design, all the content from the Feature Design folder appears in the PnP Profile folder.
<a href="#">CSCui46336</a>	ACLs are getting re-ordered while creating the ACL template with Prime Infrastructure 1.3 and 2.0.
<a href="#">CSCub61114</a>	WAP preferences are not loaded, and an error appears in Google Chrome.
<a href="#">CSCug25057</a>	After you launch the Cisco Prime Infrastructure User Guide online help and switch to another book, you are unable to switch to the Cisco Prime Infrastructure User Guide online help.
<a href="#">CSCug98762</a>	Image import feature does not work for Cisco c1140 devices.
<a href="#">CSCuh59795</a>	For the 4 port SHDSL card devices, 0 is displayed in the port count in the Device Work Center.
<a href="#">CSCui37712</a>	When a report title is a duplicate, the reporting period is not visible.
<a href="#">CSCuh01881</a>	Wired report for Cisco Catalyst 3850 device shows the slot configuration as "nosuchobject".
<a href="#">CSCui52626</a>	The ACL with single digit/character is not working.

**Table 4**      **Open Caveats (continued)**

Identifier	Description
<a href="#">CSCui42618</a>	After you upgrade to Prime Infrastructure 2.0 from an older version, it becomes unlicensed because the licensing for Assurance has changed in 2.0. This requires TAC help to generate a new license and apply it on the server post upgrade.
<a href="#">CSCui53634</a>	When the SSO solution fails back to local login, one would expect that local users (other than root) are able to log in as in TACACS/Radius. In a regular state, this is true and the local user which is not root can log in. If another SSO server is added while not resetting the AAA mode again to SSO, the local user cannot login to the Prime Infrastructure server.
<a href="#">CSCui23469</a>	When you try to sort the collection time column in Device Work Center/Device Group > ALL, the values in the column are sorted incorrectly.
<a href="#">CSCtx94785</a>	Choose Operate > Device Work Center > Configuration. From the left panel, choose security > NAT > Interfaces. From the Interfaces page, change interface association from 'None' to 'Inside' or 'Outside', and click Save. The Interface Association returns to 'None' without providing any warning or error message.
<a href="#">CSCub09942</a>	The image is distributed and activated properly using UDI on a device, but after the device reloads the status of image in Prime Infrastructure shows a timeout failure. Also, any config push after that also times out and fails.
<a href="#">CSCue78806</a>	After importing dot11a-rrm-DCA or dot11b-rrm-DCA template, the template details do not show up.
<a href="#">CSCtz96109</a>	When cross launching NAM through web browser from the Prime Infrastructure server, you get the NAM login screen instead of directly landing in the NAM UI page.
<a href="#">CSCuf24622</a>	Image recommendation is not supported for ISR 4452 devices.
<a href="#">CSCug24469</a>	Automatic refresh of dynamic group membership does not work on UDF attribute rules.
<a href="#">CSCug54155</a>	For 1140 AP model with image version 15.2, the Image Family and Image Type shown are incorrect.
<a href="#">CSCug64937</a>	For Cisco Nexus 5K device with NX OS version 5.1.13, the Image Import operation fails with copyFileTransferError error message.
<a href="#">CSCug82408</a>	Image import and image distribution operations are not supported for Cisco Nexus 7K devices.
<a href="#">CSCug87069</a>	When Nexus devices are running with dual images, the Image Import job imports only one of the images and shows the job status as successful.
<a href="#">CSCug87083</a>	Image Management operations (image import and recommendation) do not work for CRS and GSR (12000 series) devices running Cisco IOS-XR software.
<a href="#">CSCuh00434</a>	Image distribution fails for Cisco Nexus 5k device.
<a href="#">CSCuh08881</a>	Image upgrade of Catalyst 3750 and 2960 stacked switches with bin image is not supported.
<a href="#">CSCuh32672</a>	If the port '69' is being occupied by a stale process, then the TFTP server process will not start.
<a href="#">CSCub71837</a>	Non-root users such as Admin, Config Manager, System Monitor, and so on are getting access denied error while trying to search content from online help page.
<a href="#">CSCuh51446</a>	When you try to save the Override Global Username Password option for AP, you see an SNMP error.
<a href="#">CSCuh56982</a>	When a discovery job with CDP and pingsweep is run, more unexpected number of devices discovered.
<a href="#">CSCuh57272</a>	When you use a combination of filters in the Operate > Discovery > Discovery Settings, unreachable devices appear.
<a href="#">CSCuh62796</a>	Software Image import and distribution is not supported for patch images (.rpm files) on NAM devices.
<a href="#">CSCuh73208</a>	Prime Infrastructure 1.3 goes down when accessing floor maps, intermittently.

**Table 4**      **Open Caveats (continued)**

Identifier	Description
<a href="#">CSCui73654</a>	Evaluation license should be deleted automatically when permanent license is added. But in the backup/restore scenario, the permanent and evaluation licenses exist at same time and may be displayed in the UI. In this case there is no functional impact, except the user sees both licenses on the page.
<a href="#">CSCug42271</a>	Unable to log in to Prime Infrastructure in AAA mode as Radius/TACACS mode. This could happen when the backup taken from another server has Radius/TACACS servers configured and is restored on a server with a different IP address.
<a href="#">CSCuh69074</a>	After a restore of a backup from a previous release, if the previous release had custom reports, some of the reports may have issues.
<a href="#">CSCuh72491</a>	<ol style="list-style-type: none"> <li>1. Log in to PI 2.0 server as root user.</li> <li>2. Create a few child virtual domains under ROOT-DOMAIN.</li> <li>3. Navigate to the child domains as the root user.</li> <li>4. No child domain are listed in the drop down menu from the Virtual Domain drop-down.</li> </ol>
<a href="#">CSCuh75438</a>	The Cisco CSR 1000v device does not boot up with image distributed from Cisco Prime Infrastructure 2.0. After copying the user-specified image in the device, the device reboots with the running image rather than the newly distributed image.
<a href="#">CSCuh79873</a>	Prime Infrastructure's Hourly Aggregation task takes a great deal of disk I/O capacity.
<a href="#">CSCuh83607</a>	In the servers with high load, the Events and Syslogs tables take very long time to load.
<a href="#">CSCuh97713</a>	Image import operations for Cisco Catalyst 4500 devices running Cisco IOS-XE software fails.
<a href="#">CSCui13301</a>	Filtering functionality is not working in the Device Work Center > Devices > WLC view when there are more than 25 controllers.
<a href="#">CSCui18117</a>	In some cases, only partial inventory information is collected for Cisco ISR 3945 devices.
<a href="#">CSCui21353</a>	Unable to create monitoring thresholds for QoS. The following error message appears: "Template CBQOS 10800 Threshold has no threshold definition rows."
<a href="#">CSCui23932</a>	When a URL has special characters, especially a comma (,) the Top N URL dashlet shows an empty URL label for the bars of the chart.
<a href="#">CSCui25541</a>	Bulk deletion of APs (for example, 500 at a time) from the Lifecycle view is not very user friendly.
<a href="#">CSCui40217</a>	The Polling Template deploys on multiple groups rather than retaining the selection.
<a href="#">CSCui54428</a>	Cisco Prime Infrastructure does not distribute images using a non standard CCO file name.
<a href="#">CSCui09894</a>	Current UBF patches are expected to be cumulative. This means uninstalling multiple UBF patches may not work.
<a href="#">CSCui62615</a>	When an administrator wants to view clients associated to a specific controller and uses Client Count link for a controller on Monitor > Controllers page. The admin may see that on Client and Users page the number of clients associated to that devices shown are different.
<a href="#">CSCua83403</a>	Cisco 7600 device is shown as Mediatrace-capable in Path Trace UI but actually you are unable to start Mediatrace.
<a href="#">CSCui74247</a>	When configuring WAN Optimization using Prime Infrastructure, if you configure the same Remote Device match conditions (that is, configure same remote device MAC) twice or more for the same class map (in the Class-Maps feature), you are unable to sync or delete the device.
<a href="#">CSCui73853</a>	Editing an existing zone-based firewall configuration (on the ISR-G2) which has references to ACLs containing 'network object-groups' or 'service object-groups' may fail. This is applicable both for the DWC firewall policy editor and to the zone-based-firewall feature template.

**Table 4**      **Open Caveats (continued)**

Identifier	Description
<a href="#">CSCub33806</a>	Device Image Import fails for Cisco 1000 Voice Series Router if the running image is package.conf.
<a href="#">CSCub56197</a>	Mediatrace feature of Prime Infrastructure is unable to provide media path and media metrics information. While running Mediatrace from Prime Infrastructure user interface, you will encounter an error message indicating that WSMA is not enabled, even though you have applied the associated CLI configuration on the respective devices.
<a href="#">CSCui85901</a>	Image distribution takes a long time for Wireless LAN Controller 5508 devices.
<a href="#">CSCui86942</a>	Sometimes the system may show a lag in the running jobs based on the frequency of a job and the load on the system.
<a href="#">CSCui41596</a>	Inline upgrade/backup and restore across builds is not retaining saved and scheduled NetFlow reports.
<a href="#">CSCue44820</a>	Sometimes the Rogue AP Count Summary Report details shown are not consistent.
<a href="#">CSCui88556</a>	Sometimes autonomous AP up/down statistics show different status when a background task is run multiple times.
<a href="#">CSCui89644</a>	During restore of a backup over Prime Infrastructure (version 2.0), the restore may fail with a message that the swap space configured is not sufficient. This could happen if the backup that is being restored was taken on an appliance that was originally an NCS 1.x appliance, even though it may be currently running an upgraded version.
<a href="#">CSCui95238</a>	In the Clients and Users UI, some of the client attributes show up as “Data Not Available” instead of “Not Applicable.”
<a href="#">CSCui95966</a>	A user logging in with non root domain access will observe the following symptoms: <ul style="list-style-type: none"> <li>• The resource profile is not listed for selected OVAs for installing WAAS instance on ISR G3.</li> <li>• The installed instances of WAAS are not displayed in the Prime Infrastructure UI.</li> <li>• The Job Dashboard does not show container management job details.</li> </ul>
<a href="#">CSCui96238</a>	The Enable CleanAir status for the AP joined to Cisco 5760 Wireless Controller and Cisco Catalyst 3850 Series Switches is not working.
<a href="#">CSCui79589</a>	Changing the hostname causes the Day 0 Plug and Play deployment to fail when Prime Infrastructure and the Plug and Play gateway are running on the same server, and the deployment is done through the Plug and Play Gateway running on Prime Infrastructure server.
<a href="#">CSCui72106</a>	The command ‘ip default-gateway <ipaddr>’ sometimes does not get persisted in the running configuration of the appliance.
<a href="#">CSCui82905</a>	Cisco Catalyst 3850 Series Switch or Cisco 5760 Wireless Controller with huge ACLs and ACEs configured takes more time to get synced during inventory collection.
<a href="#">CSCui34104</a>	msrpc-smb-netbios and msrpc-smb-netbio both appear in the Applications list, but they refer the same application. If you change the ports of the msrpc-smb-netbio application, you get the following error from the device: <i>%Unable to remove port-map entry. Port-map entry for application msrpc-smb-netbio is not found.</i> If you add the msrpc-smb-netbio application to be part of a Zone-Based Firewall Service, you get the following error from the device: <i>% Incomplete command.</i>
<a href="#">CSCuh49621</a>	Some of the Voice/Video (AVC) reports for ISR-G2 devices show incorrect source and destination address values.
<a href="#">CSCui46671</a>	Configuring a zone-based firewall policy with WSMA may lead to failures; thus, WSMA support for zone-based firewall configuration is disabled in this release. Prime Infrastructure uses plain CLI over Telnet/SSH to configure zone-based firewall policies.

**Table 4**      **Open Caveats (continued)**

Identifier	Description
<a href="#">CSCui59991</a>	A zone-based firewall-enabled device is shown as not having the required license, even though it does have the required license.
<a href="#">CSCui66877</a>	A partial Inventory collection failure occurs when collecting zone-based-firewall-related inventory collection from a device with an ATM interface. This means zone-based firewall manageability on that device does not work.
<a href="#">CSCuh24953</a>	When you deploy an AVC template on a set of devices, the job return successful but when you open one of the device configurations, no interfaces were assigned to the AVC policy.
<a href="#">CSCui60121</a>	When there are no devices on the server which supports AVC, if you go to Design > Templates > Application Visibility > AVC Configuration, a pop-up message displays: “NBAR-applications list file is not up-to-date, it is highly recommended to install the latest Prime NBAR-taxonomy software update.”
<a href="#">CSCui13156</a>	The Top N Clients Dashlet has 0.0.0.0 as one of the client’s IP addresses.
<a href="#">CSCuh49529</a>	ASA devices are displayed as unsupported in the Device Work Center.
<a href="#">CSCui91241</a>	Applet files are failing in EEM (Embedded Event Manager) templates.
<a href="#">CSCui91262</a>	Show All templates option is not working in Configuration Groups.

## Resolved Caveats

[Table 5](#) lists the Resolved Caveats in Cisco Prime Infrastructure Release 2.0.

Click the identifier to view the details of the caveat. This information is displayed in the [Bug Toolkit](#). You can track the status of the resolved caveats, using the Bug Toolkit.

**Table 5**      **Resolved Caveats**

Identifier	Description
<a href="#">CSCtx58026</a>	The high availability secondary server should be able to run a backup and restore to primary.
<a href="#">CSCua77597</a>	The Client Session traffic reports are drastically different when compared to the report generated by Cisco accounting software/third party tools.
<a href="#">CSCub35534</a>	Restore fails with RMAN exception (RMAN-00571) because of missing log files.
<a href="#">CSCub38566</a>	Data Cleanup takes long time.
<a href="#">CSCub40295</a>	Unable to import WLAN template in Prime Infrastructure 1.2.
<a href="#">CSCud20475</a>	Failed to restore the database.
<a href="#">CSCud39395</a>	The difference between the RMAN ArchiveLogs and the disk contents causes database crash.
<a href="#">CSCuc74852</a>	The Jobs Dashboard page shows error, and does not display the jobs list.
<a href="#">CSCud49364</a>	Failed to delete a few devices added to the upgraded server.
<a href="#">CSCuc83315</a>	Many alerts are reported by IP addresses instead of hostname.
<a href="#">CSCud41151</a>	The high availability sync fails with error
<a href="#">CSCud80157</a>	The high availability registration failed.
<a href="#">CSCud98783</a>	The contents of the backup need to be optimized by removing unnecessary content in some directories.
<a href="#">CSCuc89874</a>	Prime Infrastructure stops responding while importing DWG.

**Table 5**      **Resolved Caveats (continued)**

Identifier	Description
CSCuc97419	Wrong details are pushed when configuration template has managed variables.
CSCuf74214	Plug and Play does not get triggered because of an issue with message broker configuration in messaging.properties.
CSCug53957	Newly added devices are in the “In Progress” state forever.
CSCuh41100	Deleting Custom SNMP template causes incorrect data or process crash.
CSCua30266	The client counts reported in Client Count report is inaccurate when the selected time period is beyond one day.
CSCua45107	There is an issue with auto-provisioning on a controller via CSV file for MAC address.
CSCub38682	Some recent records from BaseStation are missing.
CSCub42183	In high availability setup, the WLC configuration backup fails when repository is set to local FTP/TFTP.
CSCty97852	PnP Gateway server does not reconnect with Prime Infrastructure server.
CSCub03050	Unable to delete third-party WLC from Device Work Center when selected from a third party device.
CSCub36693	Audit mismatches or exceptions occur while saving a FlexConnect AP Group.
CSCub50858	Cisco 3750E image wrongly recommended for plain 3750 from repository
CSCua68559	The memory utilization data unavailable for Nexus 7000 Series switches.
CSCub74449	Unable to create reports as connection refused on port 20566.
CSCua76425	After running the conversation reports for the first time with specific HostIP either in Source or Destination field, Application Filter and Datasource Filter entries disappear.
CSCub62910	FNF extension parameters that are added to the Voice Video Data template are not propagated to reports.
CSCub69059	Error appears when you click 'run and save' on a custom FNF v5 report.
CSCub72631	Non-default templates, Custom FNF and SNMP templates are not retained in upgrade, high availability and backup/restore.
CSCub80165	Client discovery fails if the controller has more than 20k clients.
CSCua40683	When v9 and v5 template fields match exactly, the template will appear under the v5 template folder.
CSCua58081	Extension fields missing from ATR and VVD Conversation reports.
CSCub79976	Getting read timeout error while performing high availability registration.
CSCub53867	In the “Distribute Image and Location Selection”, sometimes distribute image name is not having the selected images.
CSCub65427	Upgrade Analysis is not working for ASR series.
CSCua57435	Provisioning not getting completed when triggered in VD with user Admin.
CSCub60594	Plug and Play provisioning not getting completed when the profile has only image.
CSCub36844	Templates with DB Variables are not getting pushed to the device.
CSCub57283	Config push fails when the device name is long.
CSCub69051	Error while accessing Web-Authentication and Web-Policy ACLs at AP level
CSCub35142	Results shows incorrect client count when 11u option selected in dashlet.
CSCua65828	The Combined Inventory report failed to run on an upgraded server.
CSCua46786	Undeploy template which is mapped to another template fails without displaying the proper failure reason.

**Table 5**      **Resolved Caveats (continued)**

Identifier	Description
CSCub81158	On a switch that is being managed by NCS, after upgrading the switch IOS image and performing a “Resync” from Device Work Center results in switch going to “Unmanaged” state.
CSCub74871	Routers get into managed mode with warnings after sync operation.
CSCud00537	Failback error occurs while creating instance direct: /opt/CSColumos
CSCud02933	Custom NetFlow reports did not show any data when some of the parameters are not selected.
CSCud10462	Appliance BnR on Prime Infrastructure 1.2.1 failed.
CSCud12229	Failed to execute the database query in secondary database.
CSCud12659	Restore fails because of Memory target Not supported error.
CSCud17017	Blank page appears on all upgraded servers.
CSCud20969	Show version on 1.1.1.24 upgrade to 1.2.1.4 shows 1.2.0.103
CSCud22882	Need proper error message when invalid file was restored.
CSCud22919	Upgrade bundle information needs to be documented in 1.2.1 Release Notes or Quick Start Guide.
CSCud31252	NetFlow-based reports are not working properly though valid netflow is available.
CSCud32807	Process is not coming up during a failover.
CSCud33502	After failback is complete, the primary attempts to register in secondary. After attempting to register, an error appears in the secondary UI.
CSCud34687	There is an issue in download to the client machine in the upgraded server.
CSCud62314	Port Grouping: All members are showing as “none” after failback.
CSCud60976	The Operate > Applications and Services page is blank.
CSCuc47341	When you deploy a profile, the CLI config is pushed on device and gateway sends status as “WARNING” to Prime Infrastructure. Prime Infrastructure shows the CLI config status in provisioning as “Failure”.
CSCue04038	Search does not work properly on APs.
CSCue33988	Data cleanup background task is failing.
CSCue34067	Cannot load the results page after a completed Voice Diagnostic test is performed.
CSCub41299	ACL counters are not working when migrating from WCS 7.0.230 to NCS 1.1.
CSCud52453	Applied to Controller and Virtual Domain counts are not appearing.
CSCud58893	The Delete button in Shunned Client Saved search is not working.
CSCud61968	Unable to apply Rogue rule group in the LifeCycle view.
CSCud63946	After you create Friendly AP template successfully, the template details are missing.
CSCud80804	Error while backing up database.
CSCud97644	Configuration and disable issue with LWAP template.
CSCue01522	Unable to select search option after switching from one view to other.
CSCue03868	Error shown while taking the backup from secondary server.
CSCue14047	If an upgrade fails, Prime Infrastructure is not returned to its original, preupgrade attempt state.
CSCue17090	Planning mode is extremely slow to open for the previously designed floors.
CSCue18703	High availability state is showing as database uncertain.



**Table 5**      **Resolved Caveats (continued)**

Identifier	Description
CSCud26027	Occasionally, the server will stop responding to GUI requests.
CSCud61852	You are unable to select the reporting time and protocol fields after running the reports with non-default values/protocols.
CSCue44737	Context-sensitive online help throws an HTTP 404 error when you launch it from the Reports page.
CSCub98275	As the virtual domain information was not persisted along with the discovered devices, all the devices are going to default root-domain. Therefore, the devices are not retrieved in any other virtual domains other than the root-domain.
CSCud45623	Prime Infrastructure displays “null” for device hostnames it cannot retrieve, and therefore incorrect information appears in some pages like Virtual Domains.
CSCud99014	Discovery settings created in VD appear in root-domain.
CSCue50513	Cisco WLC Distribution with SNMPv2 device fails.
CSCuf86195	At times, discovery of new access points takes a long time, which causes other background tasks to take a long time to complete.
CSCug55664	In non-root Virtual Domain GUI, the logged-in user will find the feature configuration failing.
CSCug83205	The image copy operation is successful but the reload does not happen with the new image.
CSCuh14892	The inventory.log is not purging and this results in the growing size of the log.
CSCuh22106	Config archive fails with device unreachable message.
CSCub78719	Scrollbar is missing in the background task page.
CSCua46983	If you log in through non-root domain, you are unable to select any configuration and bootstrap template.
CSCud26020	If you run the operations that are not supported, they may cause problems.
CSCub38147	Prime Infrastructure does not show device type information for clients.
CSCui77571	Upgrading Google Chrome to version 29.0.1547.57 m causes error.

## 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](http://www.cisco.com/en/US/products/ps12239/tsd_products_support_series_home.html)

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