



Cisco Prime Cable Provisioning 5.3.1 Release Notes

September 16, 2016

Introduction

Cisco Prime Cable Provisioning, referred to as Prime Cable Provisioning throughout this document, automates the tasks of provisioning and managing customer premises equipment (CPE) in a broadband service-provider network. The application provides a simple and easy way to deploy high-speed data, voice technology, and home networking devices.

Prime Cable Provisioning can be scaled to suit networks of virtually any size, even those deploying millions of devices. It also offers high availability, made possible by its distributed architecture with centralized management.

Prime Cable Provisioning incorporates support for many technologies to provide provisioning services for your network. These technologies include:

- DOCSIS high-speed data
- PacketCable voice service, both Secure and Basic work flows
- Non-secure CableHome
- Open Cable Set top box
- eRouter 1.0
- DPoE (DOCSIS Provisioning of EPON)

For detailed information about Prime Cable Provisioning features, see the [Cisco Prime Cable Provisioning User Guide 5.3](#).

Important Points to Know Before You Begin

- Before installing PCP 5.3.1, please check the system requirements mentioned in the [Cisco Prime Cable Provisioning Quick Start Guide 5.3](#) are met.
- If you are migrating from an earlier version of Cisco PCP or BAC to Cisco PCP 5.3.1, you must review the Release Notes that were published across the releases.
- License acquired for Cisco PCP 5.2.x or earlier releases is not valid for Cisco PCP 5.3.1. You need to get the permanent or evaluation license of 5.3 to upgrade from 4.2.x/5.0/5.1/5.2 to 5.3.1 or for a fresh installation. For more information, refer to **Licensing Prime Cable Provisioning** section in [Cisco Prime Cable Provisioning Quick Start Guide 5.3](#).



- Solaris operating system support will be included in all Cisco PCP 5.3.x releases. The 5.3.x release train is the last version of PCP which will be released for Solaris. Future major releases of PCP will not be supported on the Solaris operating system.

New Features and Enhancements

This release Cisco Prime Cable Provisioning 5.3.1, supports the following new feature:

DOCSIS 3.1 Feature Support

From this release, PCP extends its support to DOCSIS 3.1. This technology enables a new generation of cable services and help operators continue to meet consumer demand for high speed connections and sophisticated applications. DOCSIS 3.1 TLVs can now be configured using a Template file or Groovy script.

- Two new fields are introduced in the Provisioning Groups Details Page to manage DOCSIS 3.1 capabilities:
 - IPv4 - DOCSIS 3.1
 - IPv6 - DOCSIS 3.1
- CMTS Default Docsis Version field in the DOCSIS default page now supports till 3.1.

You can also enable this capability via API, using the `ProvGroupCapabilitiesKeys` constants. For details, see the API Javadoc located at the docs directory of the build.



Note DOCSIS 3.1 devices will continue to be detected as version 3.0 until the respective Provisioning Group capabilities are enabled.

Database Schema Changes

There are no new schema changes in PCP 5.3.1.

Prime Cable Provisioning 5.3.1 Bugs

For more information on a specific bug or to search all bugs in a particular Prime Cable Provisioning release, see [Using the Bug Toolkit](#).

This section contains:

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Resolved Bugs

Table 1 Resolved bug list in Prime Cable Provisioning 5.3.1.

Bug ID	Description
CSCtj30159	RunRecoveryException is thrown while restoring the database using relative path.
CSCuu50926	Remove restart message during PCP upgrade.
CSCva63878	SSL library issue occurs while installing PCP 5.3.1 CNR_EP with CPNR 8.3.4.
CSCva55360	Relay agent info cmts-docsis-version parsing with backward compatibility.
CSCva22095	DPE not sending registration request inspite of receiving license add event.
CSCuz76103	Incorrect spelling in help - changeNRProperties.
CSCuz53854	DOCSIS3.1 dualstack devices showing DPoE details in device details page.
CSCuz24415	Reordering of Config FileName options in default configuration extension.
CSCva18250	DPoE 2.0 TLV encodings changes for ease of use.

Open Bugs

Table 2 Open Bug List in Prime Cable Provisioning 5.3.1.

Bug ID	Description
CSCub67891	Access denied exception is not thrown when using getAllMatchingFiles.
CSCue66152	RDU shows high CPU utilization when SSL client tries to reconnect.
CSCue88789	NPE stack trace is seen in RDU log when certificate expires or when the keystore value is empty.
CSCuc32208	Fine-grain privilege level check is not done for RDU Events.
CSCtz25409	The generated template/Groovy file needs manual editing to work.
CSCud81568	Invalid Property error is displayed when RDU is misconfigured.
CSCud40680	Async Support of get operation is required for pollOperation.
CSCti60751	Many PCs behind one modem cause DPE to drop connection from RDU.
CSCtl44226	Stack Trace is present in RDU/DPE log after rebooting server.

Bug ID	Description
CSCtq15061	MTA FQDN auto generate does not require domain for some API calls.
CSCtq90931	Usage (-help option) is not available for some of the scripts in DPE.
CSCui73397	With IE browser, it is not possible to view the last CRS Request record in the queue.
CSCui93423	Mixed Mode is not supported for PacketCable, when IPv6 interface is enabled.
CSCuh16164	IPv6-PacketCable2.0 is not disabled in UI even if it is disabled in DPE.
CSCuj14349	GetRDUDetails API is not working in RDU HA set up.
CSCui71019	GetRDUDefaults shouldn't show CRS info with no prop_read and crs_read.
CSCuj09659	DPE is trying to connect to RDU in local host when DNS is misconfigured.
CSCue27542	Configuration generated twice for each device when default COS is modified.
CSCuj04407	RDU runs OutOfMemory when IPDevice.searchDevice with propertiesToRetrieve.
CSCuj36832	Unable to change security domain for a few filetypes in Modify File page.
CSCuj43822	Remove api folder after DPE/CNR-EP/KDC components are installed.
CSCuw37810	No error shown in ModifyDevice without domain when fqdn auto gen enabled.
CSCuu50926	Incorrect error message displays when CNR DPE connection fails.
CSCui50928	In RDU, user session limit exceeds due to API client connection timeout.
CSCuw94416	Improve documentation to clarify references of the CM as "relay agent".
CSCub63596	WS-I Compliance check is needed.

Using the Bug Toolkit

This section explains how to use the Bug Toolkit to search for a specific bug or to search for all bugs in a release.

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- Step 1** Go to [Cisco Software Bug Toolkit](#).
 - Step 2** At the Log In screen, enter your registered Cisco.com user name and password; then, click Log In. The Bug Toolkit page opens.



Note If you do not have a Cisco.com user name and password, you can register for them at <http://tools.cisco.com/RPF/register/register.do>.

Step 3 To search for a specific bug, click the Search Bugs tab, enter the bug ID in the Search for Bug ID field, and click Go.

Step 4 To search for bugs in the current release, click the **Search Bugs** tab and specify the following criteria:

- Select Product Category—**Network Management and Automation**.
- Select Product—**Prime Cable Provisioning**



Note Do not enter Cisco Prime Cable Provisioning. Cisco Prime Cable Provisioning is the new product name for the former Cisco Broadband Access Center. At this time, the Bug Toolkit does not accept Cisco Prime Cable Provisioning as the product name.

- Software Version —**[Product Version]**.
- Search for Keyword(s)—Separate search phrases with boolean expressions (AND, NOT, OR) to search within the bug title and details.
- Advanced Options—You can either perform a search using the default search criteria or define custom criteria for an advanced search. To customize the advanced search, click **Use custom settings for severity, status, and others** and specify the following information:
 - Severity—Choose the severity level.
 - Status—Choose Terminated, Open, or Fixed.
 - Choose **Terminated** to view terminated bugs. To filter terminated bugs, uncheck the Terminated check box and select the appropriate sub option (Closed, Junked, or Unreproducible) that appears below the Terminated check box. Select multiple options as required.
 - Choose **Open** to view all open bugs. To filter the open bugs, uncheck the Open check box and select the appropriate suboptions that appear below the Open check box. For example, if you want to view only new bugs in Prime Cable Provisioning 5.3.1 choose only **New**.
 - Choose **Fixed** to view fixed bugs. To filter fixed bugs, uncheck the Fixed check box and select the appropriate sub option (Resolved or Verified) that appears below the Fixed check box.
- Advanced—Check the **Show only bugs containing bug details** check box to view only those bugs that contain detailed information, such as symptoms and workarounds.
- Modified Date—Choose this option to filter bugs based on the date when the bugs were last modified.
- Results Displayed Per Page—Specify the number of bugs to display per page.

Step 5 Click **Search**. The Bug Toolkit displays the list of bugs based on the specified search criteria.



Note For example, if a bug applies to both Cisco Prime Cable Provisioning 5.1 and Cisco Prime Cable Provisioning 5.2, the headline and Release-note enclosure contain the earlier Cisco PCP product terminology.

Step 6 To export the results to a spreadsheet:

1. In the Search Bugs tab, click **Export All to Spreadsheet**.
2. Specify the filename and location at which to save the spreadsheet.
3. Click **Save**. All bugs retrieved by the search are exported.

If you cannot export the spreadsheet, log into the Technical Support website at <http://www.cisco.com/cisco/web/support/index.html> or contact the Cisco Technical Assistance Center (TAC).

Product Documentation

**Note**

We sometimes update the printed and electronic documentation after original publication. Therefore, you should also review the documentation on [Cisco.com](http://www.cisco.com) for any updates.

See the [Cisco Prime Cable Provisioning Documentation Overview](#) for the list of Prime Cable Provisioning guides.

Related Documentation

See the [Cisco Prime Network Registrar 8.x Documentation Overview](#) for the list of Cisco Prime Network Registrar guides.

See the [Prime Cable Provisioning Upgrade Matrix](#) for the upgrade compatibility of the current release with the previous releases.

See the [Prime Cable Provisioning Compatibility Matrix](#) for the PNR, PG and API compatibility of the current release with the previous releases.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly What's New in Cisco Product Documentation, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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