



Cisco Prime Cable Provisioning 6.0 Release Notes

August 18, 2017

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 6.0](#).

Important Points to Know Before You Begin

- Before installing PCP 6.0, please check the system requirements mentioned in the [Cisco Prime Cable Provisioning Quick Start Guide 6.0](#) are met.
- If you are migrating from an earlier version of Cisco PCP or BAC to Cisco PCP 6.0, you must review the Release Notes that were published across the releases.
- License acquired for Cisco PCP 5.x or earlier releases is not valid for Cisco PCP 6.0. You need to get the permanent or evaluation license of 6.0 to upgrade from 4.2.x/5.0/5.1/5.2/5.3 to 6.0 or for a fresh installation. For more information, refer to **Licensing Prime Cable Provisioning** section in [Cisco Prime Cable Provisioning Quick Start Guide 6.0](#).



- From PCP 6.0 release, the PCP does not support the Solaris operating system platform. The Solaris operating system was supported through the PCP 5.3.x releases and the last release that supported the Solaris operating system was PCP 5.3.2.1.

New Features and Enhancements

This release Cisco Prime Cable Provisioning 6.0, supports the following new features:

- [Remote PHY Device \(RPD\) Support](#)
- [Device Reader Tool](#)
- [CPE Count Warning](#)
- [IPv6 Lease Query Enhancement](#)

Remote PHY Device (RPD) Support

Prime Cable Provisioning 6.0 provides support for managing the RPD devices. The Remote PHY technology allows a CMTS to support an IP-based digital HFC plant. This technology uses a Layer 3 pseudowire between a CCAP Core and a series of Remote PHY devices (RPD). It separates the PHY from CCAP device, and places it in the node. And the PHY technology mainly migrates the analog signals to digital signals which improves the performance. RPDs are commonly located at optical node device at the junction of the fiber and coax plants.

Device Reader Tool

The deviceReader tool allows you to extract the device details from a RDU database, it reads the device objects along with the associated resources like, CoS, DHCP criteria. The deviceReader tool provides options to save the device details in a file and it provides customization option to process the device details.

CPE Count Warning

Prime Cable Provisioning 6.0 logs messages in the rdu.log file, whenever the CPE count behind the CM reaches the threshold value of 400.

IPv6 Lease Query Enhancement

Prime Cable Provisioning 6.0 supports a new property (*/dhcpLeaseQuery/ipv6/requireAllAnswers*) for IPv6 Lease Query. This property is disabled by default. As a result, if a IPv6 Lease Query request is sent from RDU, when one of the Network Registrar servers respond with the IP address of the device, the RDU does not wait for a response from the other NR servers. This leads to improved performance of IPv6 Lease Query when multiple NR servers exist.

Database Schema Changes

There are no new schema changes in PCP 6.0.

Prime Cable Provisioning 6.0 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:

- [Resolved Bugs, page 3](#)
- [Open Bugs, page 3](#)
- [Using the Bug Toolkit, page 4](#)

Resolved Bugs

Table 1 *Resolved Bug List in Prime Cable Provisioning 6.0.*

Bug ID	Description
CSCve29172	Config Generation fails for IPv6 device if the deprecated property is used as custom property in RDU
CSCvd58156	Batch fails when PublishingMode.PUBLISHING_NO_CONFIRMATION is called
CSCvd69042	RDU Fails to Retrieve v6 LQ from Backup DHCP server
CSCve75660	License File count in AdminUI should increase dynamically
CSCvc75355	Log warning message when CPE count behind a CM reaches a threshold
CSCve37098	Enhance Admin UI devices search with MAC format: 01-23-45-67-89-ab,0123456789ab
CSCve92812	Tool tip for DHCP statistics should display correct ip mode

Open Bugs

Table 2 *Open Bug List in Prime Cable Provisioning 6.0.*

Bug ID	Description
CSCuj50130	Inappropriate error message displayed when CNR DPE connection fails.
CSCtz25409	The generated template/Groovy file needs manual editing to work
CSCti60751	Many PCs behind one modem cause DPE to drop connection from RDU
CSCuj14349	GetRDUDetails API is not working in RDU HA set up
CSCue27542	Configuration generated twice for each device when default COS modified
CSCuw37810	No error shown in ModifyDevice without domain when fqdn auto gen enabled
CSCul50928	API client connection timeout causing RDU max user session exceeded
CSCuw94416	Improve documentation to clarify references to 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.

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 6.0, 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 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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