Cisco Prime Cable Provisioning 5.3.2 Release Notes

July 14, 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 5.3*.

Important Points to Know Before You Begin

- Before installing PCP 5.3.2, 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 5.3.2, 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 5.3.2. 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 5.3.2 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 5.3.2, supports the following new features:

GUI Enhancements

Enhanced MAC Address Search

The search for a device using the MAC address option has been enhanced in this release.

For example, the device with MAC address "1,6,aa:bb:cc:dd:ee:ff" can be searched by entering the address in the following ways:

- 1,6,aa:bb:cc:dd:ee:ff or1,6,aa:bb:cc:*
- aa:bb:cc:dd:ee:ff or aa:bb:cc:*
- aabb.ccdd.eeff or aabb.cc*

You can also use a wild card character (*) to enhance the search function. While entering the MAC address of the device, ensure that you enter the commas (,), colons (:) and wild card(*) appropriately.

Updated Active Links in Device Details page

In the view device details page, below fields have been modified to active links.

Field	Description
MAC Address	This is an active link, if clicked, displays the appropriate Modify Device page of this MAC address.
DUID	This is an active link, if clicked, displays the appropriate Modify Device page of this DUID address.
Behind Device	This is an active link, if clicked, displays the appropriate Modify Device page of the behind device. You can further view the details of this device using the view details icon.

Red Hat Enterprise Linux and CentOS 7.2 Support

Cisco PCP 5.3.2 supports installing and running all the components such as RDU, DPE, CNR-EP, KDC and PWS on Red Hat Enterprise Linux 7.2 or Cent OS 7.2 using x86_64 bit hardware system. It also supports the combination of any platforms that include RDU, DPE, KDC, and CNR DHCP extension running on Linux.

> ✎
> **Note** Prime Cable Provisioning 5.3.2 does not support RDU HA for RHEL7.2 and CentOS 7.2 based deployments

Device Last Seen Time

Cisco PCP 5.3.2 is enhanced with a new functionality using which the DPE stores the last transaction time of a device in the database. The last transaction time is captured as last seen time of a device in DPE when it receives a device configuration request from the CNR.

To view this information, you need to execute the below DPE CLI commands:

- show device-attribute last-seen-time mac <macaddress> - used for an IPv4 device
- show device-attribute last-seen-time duid <duid> - used for an IPv6 device
- dump device-attributes – used for dumping all the device attributes from a DPE. This information is exported as a csv file and is stored as mentioned below.

    BPR_DATA/dpe/cache/device_attributes.csv.

- show dump-device-attributes-status – to know the status of the dumping process.

For a device, the last transaction time may not exist in all the DPE's associated to a Provisioning Group. It is stored only on the DPEs the device had dealt with and it might differ in each DPE. The latest transaction time will be available from the DPE which the device has contacted recently.

> ✎
> **Note** This new feature might utilize about 1 to 1.5 GB disk space on BPR_DATA directory of DPE.

Database Schema Changes

There are no new schema changes in PCP 5.3.2.

Prime Cable Provisioning 5.3.2 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

Table 1   *Resolved bug list in Prime Cable Provisioning 5.3.2.*

Bug ID	Description
CSCvc31935	Issue in backupDb script disk space checking in Solaris.
CSCvc26524	RDU does not shutdown properly when running on a custom port.
CSCvc19459	Unable to change password for user.
CSCvc05788	Implementing the DHCPv6 option using Custom Property Similar to Custom property in IPv4.
CSCvb34065	Add view and edit link for MAC Address in device details page.
CSCvb29268	Enhance Admin UI devices search with MAC [BAC/CNR/MAC/CMTS] format.
CSCvb23707	optimizeDb.sh tool is missing from PCP distribution.
CSCvb15423	Install script supported OS version error message needs to be changed.

Open Bugs

Table 2   *Open Bug List in Prime Cable Provisioning 5.3.2.*

Bug ID	Description
CSCve29172	Config Generation fails for IPv6 device if the deprecated property is used as custom property in RDU
CSCuj50130	Inappropriate error message displayed when CNR DPE connection fails.
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.

Bug ID	Description
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.
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 propertiesToRetrive.
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.
CSCul50928	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.

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 5.3.2 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 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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