Cisco Prime Cable Provisioning 6.1.3 Release Notes

September 13, 2019

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) 2.0
- RPD

For detailed information about Prime Cable Provisioning features, see the *Cisco Prime Cable Provisioning User Guide 6.1.3*.

Important Points to Know Before You Begin

- Before installing PCP 6.1.3, please check the system requirements mentioned in the *Cisco Prime Cable Provisioning Quick Start Guide 6.1.3* are met.
- If you are migrating from an earlier version of Cisco PCP or BAC to Cisco PCP 6.1.3, you must review the Release Notes that were published across the releases.

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- License acquired for Cisco PCP 5.x or earlier releases is not valid for Cisco PCP 6.1.3. You need to get the permanent or evaluation license of 6.0 to upgrade from 4.2.x/5.0.x/5.1.x/5.2.x/5.3.x/6.x to 6.1.3 or for a fresh installation. For more information, refer to **Licensing Prime Cable Provisioning** section in *Cisco Prime Cable Provisioning Quick Start Guide 6.1.3*.
- 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 6.1.3, supports the following new features:

Configuring SNMPv3 Reset

Prime Cable Provisioning prior to 6.1.3 was providing SNMPv3 reset support restricted only for PacketCable secure provisioning flow.

Prime Cable Provisioning 6.1.3 supports SNMPv3 reset with/without DH Kickstart for the DOCSIS cable modem and behind devices disruption from the RDU.

SNMP Agent Enable/Disable Enhancement

Prime Cable Provisioning 6.1.3 supports the enabling/disabling of the SNMP agent component individually both during the installation and post-installation. The installation script (*install_bac.sh*) was updated with a step to support SNMP agent enabling/disabling as part of the installation process.

Enabling / Disabling SNMP agent post-installation using changeSNMPService.sh

You can use the *changeSNMPService.sh* script to enable/disable SNMP agent individually post-installation of Prime Cable Provisioning. The script will be available in the **BPR_HOME/rdu/bin** directory.

RDU Events Timestamp Enhancement

Prime Cable Provisioning 6.1.3 supports timestamp field as part of the event details for all the events generated from RDU.

API Enhancements

In Prime cable Provisioning 6.1.3, the following are the API enhancements that has been done:

- Two new attributes, *oldFqdn* and, *newFqdn* are added to the below **DeviceListener** events fired:
  - **DeviceListener.NEW_PROV_DEVICE**
  - **DeviceListener.CHANGED_HOSTNAME**
  - **DeviceListener.CHANGED_DOMAINNAME**
- Added a new *DeviceListener* event, **DeviceListener.CHANGED_OWNERID**

Relay Agent Enhancement

To make the relay agent information available for the devices with faulty firmware, the following two properties are added:

/rdu/faulty/cpe/cmmacaddress/enable – This property can be used to facilitate the setting of the relay agent property though the device is faulty due to the missing of the mandatory option 17.36. When this property is set to true, the CPE (behind device) will use the CM MacAddress attribute to confirm it as a behind device. Default value is false.

/rdu/faulty/cpe/failure/enable – This property is applicable to devices with a faulty firmware due to the missing of the mandatory option 17.36. When this property is set to true, the CPE configuration will fail. Default value is false.

These properties are hidden by default and have to be added in **rdu.properties** file.

Database Schema Changes

There are no new schema changes in PCP 6.1.3.

Prime Cable Provisioning 6.1.3 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 6.1.3.

Bug ID	Description
CSCvo26280	CNR_EP installation fails when PNR 10.0 installed in Cent 7.x OS
CSCvp43728	Missing of relay agent information in get details of devices during Faulty Firmware
CSCvq76015	Memory leak when inbuilt disruption extension is overloaded by the class loader
CSCvq94966	MIB List is not in proper order while apply from GUI System Default page

Open Bugs

Table 2 Open Bug List in Prime Cable Provisioning 6.1.3.

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
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 Bug Search Tool.

Step 2 At the Log In screen, enter your registered Cisco.com user name and password; then, click Log In. The Bug Search Tool page opens.

Note If you do not have a Cisco.com user name and password, you can register for them at https://idreg.cloudapps.cisco.com/idreg/register.do.

Step 3 To search for a specific bug, enter the bug ID or keywords in the Search for field, and click Go.

Step 4 To search for bugs in the current release, specify the following criteria:

- Select Product **—Series/Model**
- Select Product Name**—Cisco Broadband Access Center for Telco and Wireless**

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 Search Tool does not accept Cisco Prime Cable Provisioning as the product name.

- Select Releases—Affecting or Fixed in this Release.
- Product Version—Enter 6.1.3

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

Note For example, if a bug applies to multiple releases, 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 results section of the page, click **Export Results to Excel**.
2. All bugs retrieved by the search are exported in to a spreadsheet and downloaded locally.

   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).

Note For more details about how to use Cisco Bug Search Tool, see https://www.cisco.com/web/applicat/cbsshelp/help.html

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 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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