Cisco Prime Cable Provisioning 5.1 Release Notes

September 27, 2013

These release notes provide an overview of the release and describe how to access bugs for Cisco Prime Cable Provisioning 5.1.

Note You can access the most current Prime Cable Provisioning documentation, including these release notes, online at http://www.cisco.com/en/US/products/ps12728/tsd_products_support_general_information.html.

Contents

These release notes contain the following sections:

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.

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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
- DPoE devices
- PacketCable voice service, both Secure and Basic workflows
- Non-secure CableHome
- OpenCable Set-top box

For detailed information about Prime Cable Provisioning features, see the *Cisco Prime Cable Provisioning 5.1 User Guide*.

Functionality Changes in Prime Cable Provisioning 5.0

For functionality changes between Cisco Prime Cable Provisioning 5.0 and Cisco Broadband Access Center (the earlier version of the same product), see the *Cisco Prime Cable Provisioning 5.0 Release Notes*.

New Features and Enhancements

Prime Cable Provisioning 5.1 consists of many new features and enhancements, and this section describes the most important changes made in this version.

This section contains:

Control of Configuration Regeneration Service (CRS) Requests

Prime Cable Provisioning 5.1 provides greater control and error handling for the RDU Configuration Regeneration Service (CRS) using the Admin UI and RDU API. This feature helps you handle errors that are encountered during CRS request execution and provides greater visibility into the operational status of CRS using the enhanced logging capabilities. You can enable, disable, pause, and resume CRS, and get, view, filter, and delete any CRS request, without restarting the RDU.

Events are generated when CRS is enabled, disabled, paused, or resumed. Events are also generated when a CRS request is created, deleted or replaced by an identical request, and when execution of a request is completed. These events enable you to monitor CRS as a system. Any external client that uses RDU API can be used to register and listen to all the CRS related events.

PacketCable 2.0 IPv6 Support

In addition to the PacketCable 2.0 support on IPv4 (in both PacketCable Basic and Secure modes), Prime Cable Provisioning 5.1 also supports PacketCable 2.0 on IPv6 in PacketCable Basic mode.

RDU HA - Additional Modes and Features

In this release, the RDU HA (High Availability) setup in the Primary-Secondary mode is enhanced to support the following functionalities:

- Dual Ring Support on the cluster, for providing heartbeat redundancy at network level
- Automatic Split Brain Recovery Policies
- RDU HA notifications through email

This release also supports four additional modes of RDU HA installation (in addition to the Primary-Secondary mode introduced in the previous release):

- Primary Only
- Secondary Only
- Configure HA (creating HA cluster from existing Primary Only and Secondary Only modes)
- Recovery (recovering a corrupted RDU node by synchronizing with the active RDU node)

For information on how to setup RDU HA in these five modes, refer to the *Cisco Prime Cable Provisioning 5.1 Quick Start Guide*.

Dual-Stack Support

Prime Cable Provisioning supports provisioning of dual-stack capable CableLabs devices (DOCSIS 3.0 or PacketCable 2.0 compliant). When dual-stack is enabled, DPE caches both IPv4 and IPv6 configuration details. The IPv4 configuration is stored using the MAC address and the IPv6 is stored using its DUID and none of the configuration details are deleted.

You can enable or disable dual-stack provisioning either from the Admin UI or using the API without restarting the RDU. Dual stack provisioning can be specified at any acceptable point in the property hierarchy. You can use the Device, Provisioning Group, Class of Service, DHCP Criteria, and Technology Defaults properties to accomplish this.

Prime Cable Provisioning 5.1 Bugs

For more information on a specific bug or to search all bugs in a particular Prime Cable Provisioning release, see Using the Bug Search Tool, page 5.

This section contains:

Resolved Bugs

Table 1 lists bugs that are resolved in Prime Cable Provisioning 5.1.

Table 1 Resolved Bugs in Prime Cable Provisioning 5.1

Bug ID	Description
CSCug15148	CfgUtil script generator is not using the workaround for Octet String.
CSCug16117	Improve CfgUtil to better handle the environments with no MIBs.
CSCty74292	Issue occurs while converting Groovy script to bin file using runCfgUtil.
CSCug28990	Option 11 \[" "\] value is decoded as \[""\].
CSCug29016	CfgUtil encoding error: *Could not find node*.
CSCug91899	RDU does not respond when large number of devices are related to a group.
CSCug41806	ChangeDeviceDomainProperties API causes DB lock exceptions.
CSCuh24478	Add device realiable batch fails on RDU restart with instance level authorization enabled.
CSCug48258	ChangeDeviceDomain api accepts only 100 devices at a time.
CSCuh33187	Provide a new command error message for un-authenticated users.
CSCuc44605	Users with appropriate privileges can edit their own user names.
CSCuf20601	If the Search Type is changed to Groups, error is thrown in the RDU log.
CSCug50839	Hex value for option 64 differs after conversion to binary from Groovy.
CSCug37170	String with space and integer is treated as Octet String.
CSCuc35385	*Device is missing a relay agent relationship* is reported by verifyDb.
CSCtj22914	Unable to export files via https mode of Admin UI in IE.
CSCtk59776	CNR EP Details page in Admin UI should show meaningful statistics.

Open Bugs

Table 2 lists the open bugs in Prime Cable Provisioning 5.1. To view more details and possible workaround information for a particular bug, see Using the Bug Search Tool, page 5.

Table 2 Open Bugs in Prime Cable Provisioning 5.1

Bug ID	Description
CSCub63596	WS-I Compliance checking is needed.
CSCub67891	Access denied exception is not thrown when using getAllMatchingFiles.
CSCue80652	Keytool error is displayed when double quote is used for certificate value.
CSCue66152	RDU shows high CPU utilization from SSL client when trying to re-connect.
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 or Groovy file needs manual editing to make it work.
CSCud81568	Invalid Property error is displayed when RDU is misconfigured.

Table 2 Open Bugs in Prime Cable Provisioning 5.1 (continued)

Bug ID	Description
CSCub87431	User with child domain access is able to create user with RootDomain.
CSCue70770	PWS does not connect to RDUs added in both secure and nonsecure mode.
CSCud40680	Async Support of get operation is required for pollOperation.
CSCth16251	CNR extensions expect relay agent information in DHCPINFORM messages.
CSCti60751	Many PCs behind one modem cause the DPE to drop RDU connection.
CSCtj25387	Illegal argument exception is thrown in DPE logs for EMIC configurations.
CSCtj30159	RunRecoveryException is thrown while restoring the database using relative path.
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.
CSCtr85371	Deletion of env folder from temp directory is required for installation.
CSCtr93324	Upgrade/Add Components fails if the current directory has no write permission.
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-PacketCable 2.0 is not disabled in Admin UI when it is disabled in DPE.
CSCuh19526	HA email notification does not contain details of the issue in setup.
CSCuj14349	GetRDUDetails API is not working in RDU HA set up.
CSCui71019	GetRDUDefaults is showing CRS information even without priv_property_read and priv_crs_read.
CSCuj09659	DPE tries to connect to RDU in local loop when DNS is misconfigured.
CSCue27542	Configuration is generated twice for each device when default CoS is modified.
CSCuj04407	RDU runs out of memory while executing the search for device, file name or node.
CSCuj36832	Issue occurs when changing the security domain in Modify File page.
CSCuj43822	Remove api folder when DPE/CNR-EP components are installed separately.

Using the Bug Search Tool

Use the Bug Search tool to search for a specific bug or to search for all bugs in a release.

Step 1 Go to http://tools.cisco.com/bugsearch.

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

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

Step 3 To search for a specific bug, enter the bug ID in the Search For field and press **Enter**.

Step 4 To search for bugs in the current release:

a. In the Search For field, enter **Prime Cable Provisioning 5.1**, and press **Enter** (Leave the other fields empty).

b. When the search results are displayed, use the filter tools to find the types of bugs you are looking for. You can search for bugs by modified date, status, severity, and so forth.

Tip To export the results to a spreadsheet, click **Export Results to Excel**.

Related Documentation

See the *Cisco Prime Cable Provisioning 5.1 Documentation Overview* for a list of Cisco Prime Cable Provisioning 5.1 guides.

Accessibility Features in Prime Cable Provisioning 5.1

For a list of accessibility features in Prime Cable Provisioning, see the Voluntary Product Accessibility Template (VPAT) on the Cisco website, or contact accessibility@cisco.com.

All product documents are accessible except for images, graphics, and some charts. If you would like to receive the product documentation in audio format, braille, or large print, contact accessibility@cisco.com.

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

Subscribe to the *What's New in Cisco Product Documentation* as an RSS feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service. Cisco currently supports RSS Version 2.0.

This document is to be used in conjunction with the documents listed in the "Related Documentation" section.