



# Cisco Prime Network 4.2 Release Notes

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**Revised: May 20, 2015**

This release notes document provides an overview of the new features and enhancements in Cisco Prime Network 4.2 and highlights important issues you need to know before using this release. It lists open bugs and how to access information on Prime Network 4.2 bugs in Bug Search.

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# Introduction

Cisco Prime Network 4.2 provides service providers and other network operators with a comprehensive assurance and device management solution for IP next-generation networks (NGNs), mobility, data center, and cloud. It is offered as a standalone application and as a fully integrated component of the Cisco Prime Carrier Management suite for customers needing end-to-end network management lifecycle capabilities. It provides standards-based interfaces to integrate with OSS applications.


**Note**


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IP NGN has been renamed as Evolved Programmable Networks (EPN). Please keep this in mind when viewing the suite and application documentation for the next Cisco Prime Carrier Management release.

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**Note**


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Prime Network supports third-party devices through Cisco Advanced Services engagement. As of release 4.2, Prime Network will not natively support third-party devices, and a Cisco Advanced Services contract will be required for their enablement and support.

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## New Features and Enhancements

The following topics describe the new features and enhancements introduced in Prime Network 4.2:

- [New Technology Support in Prime Network 4.2, page 2](#)
- [Installation and Upgrade, page 6](#)
- [Prime Network Integration Layer, page 6](#)

## New Technology Support in Prime Network 4.2

Prime Network 4.2 adds device-level inventory modeling and event generation for the technologies listed below. For information on which technologies are supported on which Cisco devices, see [Cisco Prime Network 4.2 Supported Cisco VNEs](#).

### Carrier Ethernet

#### Ethernet Virtual Private Network (EVPN)

- Support for the following EVPN bridge types:
  - Provider Backbone Bridge-Ethernet Virtual Private Network (PBB-EVPN)
  - Bridge Domain (BD)
- Ability to locate and view the EVPN container properties under logical inventory:
  - EVPN bridge types
  - EVPN backbone MAC (B-MAC) address entries
  - Import and export route targets

### Ethernet Segment

- The Ethernet segment is a site that is connected to one or more Provider Edge (PE) switches. The Ethernet segment can be a single device such as a customer edge or an entire network. The Ethernet segment in a network can be of the following types:
  - Single-homed device (SHD)
  - Multi-homed device (MHD)
  - Single-homed network (SHN)
  - Multi-homed network (MHN)
- Ability to locate and view the following Ethernet segment properties under logical inventory:
  - Type of primary and secondary customer service interfaces provided by the I-Bridge Backbone Edge Bridge (IB-BEB). The primary or secondary customer service interfaces can be any one of the following: Port based, S-tagged, or I-tagged interface.
  - Redundancy group entries.

### PBB-EVPN

- Support for the PBB-EVPN solution that combines Ethernet Provider Backbone Bridging (PBB - IEEE 802.1ah) with Ethernet VPN, where provider edges (PEs) perform as PBB Backbone Edge Bridge (BEB). Two types of PBB-EVPN bridge supported:
  - I-Bridge—Interfaces with the customer edge. The PBB-EVPN customer bridge is an I-bridge.
  - B-bridge—Interfaces with the core network. The PBB-EVPN core bridge is a B-bridge.
- Ability to locate and view the following PBB-EVPN core bridge and customer bridge properties under logical inventory:
  - VSI information.
  - Unique route distinguisher per customer.
  - Multiple MAC Registration Protocol (MMRP).
  - Pseudowire, I-Bridge associations, and Ethernet flow point (EFP) information.

### Provider Backbone Bridge (PBB)-Virtual Private LAN service (VPLS) (PBB-VPLS)

- The VPLS is a class of VPN that supports the connection of multiple sites in a single bridged domain over a managed MPLS network. The VPLS is a multipoint service and it can also transport non-IP traffic. A VPLS network consists of the following three main components—Customer edges, provider edges, and IP/MPLS core network.
- Two types of PBB-VPLS bridge supported:
  - I-Bridge—Interfaces with the customer edge. The PBB-VPLS customer bridge is an I-bridge.
  - B-bridge—Interfaces with the core network. The PBB-VPLS core bridge is a B-bridge.
- Ability to locate and view the following PBB-EVPN core bridge and customer bridge properties under logical inventory:
  - VSI information.
  - Unique route distinguisher per customer.
  - Multiple MAC Registration Protocol (MMRP) associations.
  - Pseudowire, VPLS I-Bridge associations information.

**Provider Backbone Bridge (PBB)-Multiple MAC registration protocol (MMRP) (PBB-MMRP)**

- MMRP operates on the services provided by the Multiple Registration Protocol (MRP). It allows bridges, switches or other similar devices to register or unregister attribute values such as VLAN identifiers and multicast the group membership information across a large LAN.
- Ability to locate and view the following PBB-MMRP core bridge and customer bridge properties under logical inventory:
  - MMRP participants.
  - MMRP registration properties and registered neighbors.

**Support for Pseudowire FEC 129**

- Single-segment pseudowires (SS-PWs) using FEC 129 on an MPLS PSN can use both type 1 and type 2 AII. For an MS-PW using FEC 129, a pseudowire itself is identified as a pair of endpoints.
- Ability to locate and view the following pseudowire end-to-end emulation tunnels properties under logical inventory:
  - New addition in pseudowire type as FEC129 TYPE II.
  - Source Access Individual Identifier (SAII) of the tunnel.
  - Target Attachment Individual Identifier (TAII) of the tunnel.

**Support for Pseudowire Headend Layer 2 and Layer 3 sub interfaces**

- The pseudowire headend (PW-HE) sub interfaces technology is supported from ASR 9000 device version 5.1.1.
- Provides Layer 3 termination of the access pseudowires into a Layer 3 Service PE (S-PE/N-PE) device such as ASR 9000 devices.
- The Layer 2 sub interfaces are attached to a bridge domain to forward packets whereas the Layer 3 sub interfaces have their own IP addresses and these interfaces are attached to a VRF.
- The path trace and flow are supported in the PW-HE interfaces. Before PN 4.2, any packet that is received from the Layer 2 pseudowire was redirected to Layer 3 IP interface of the PW-HE interface.

**Satellite Network Virtualization (nV) Service Support**

- The Cisco ASR 9000 Series Router Satellite Network Virtualization (nV) service or the Satellite Switching System enables you to configure a topology in which one or more satellite switches complement one or more Cisco ASR 9000 Series routers, to collectively realize a single virtual switching system. The Satellite nV system supports the dual-homed network architecture, based on which two hosts are connected to a satellite through the Satellite Discovery And Control (SDAC) Protocol.
- The advanced satellite nV system network topologies can be realized based on one of these architecture:
  - Hub and Spoke
  - Ring with Dual Home
  - Ring with Layer 2 Fabric
  - Linear and Cascade
- Locate and view the following satellite properties under logical inventory for the ASR 9000 Series routers.
  - Satellite connections and satellite fabric links details.

- Satellite ICCP group redundancy system properties that include control interfaces and access data link aggregations.

## Mobility

### Small Cell Solution

- Ability to optimize and monetize consumer and business services on mobile devices across 3G and 4G networks.
- Ability to locate and view the service details that includes IURH based Femto-to-Femto handoff and IURH handoff guard timer for Home Node B (HNB) gateway.
- Ability to locate and view crypto template for Home evolved Node B (HeNB) access gateway.
- Ability to locate and view the following service details for HeNB services gateway:
  - ANR info retrieval.
  - Public warning system.
  - Default paging DRX.
  - S1AP max retransmissions and timeout.
  - SCTP param template.
  - eNodeB Type.
  - Quality of Service (QoS) Differentiated Service Code Point (DSCP) used over the S1 MME service.
- Ability to locate and view the following service details for security gateway:
  - The peer list name for WSG service site-to-site mode.
  - Initiator and responder mode duration.
  - Enable duplicate session detection to allow only one IKESA per remote IKE-ID.
  - View Crypto map configuration information.
  - View IKE SA configuration and child IPSec SA configuration information.
  - View CA certificate configuration information.
  - View the connected applications configuration information.

### SAMOG

- The SaMOG gateway service runs on a Cisco ASR 5000 chassis with the StarOS operating system. The SaMOG gateway provides seamless mobility between the 3GPP EPC network and WLANs for Evolved Packet System (EPS) services, functions as a 3GPP Trusted WLAN Access Gateway (TWAG) as the Convergence Gateway (CGW) service, and functions as a 3GPP Trusted WLAN AAA Proxy (TWAP) as the Multi Radio Management Entity (MRME) service.
- Ability to view configuration details for the following services of the SaMOG gateway under logical inventory—SaMOG service, CGW service, and MRME service.

### Cisco Virtualized Packet Core (VPC)

- Cisco Virtualized Packet Core (VPC) provides single solution for all the packet core services (for 4G, 3G, 2G, Wi-Fi, and small cell networks). As the network functions are provided as virtualized services, VPC enables you to scale capacity and introduce new services in a faster and cost-effective manner.

- VPC is based on the same proven StarOS software used in Cisco ASR 5000 Series platforms.
- VPC is mainly designed to distribute and orchestrate packet core functions across physical and virtual resources to enable user to perform transition from physical to virtualized packet core services, or use both simultaneously.
- Support to view the Element type of the Virtual ASR 5K SI Mobile-Gateway either as Single instance (SI) or Distributed instance (DI).

#### **Virtualized Service Module (VSM)**

- Support of VSM card in any slot on the Cisco ASR 9000 Series Aggregation Services Router (ASR90xx and ASR99xx). The Cisco ASR 9000 VSM Card has the capability to run hypervisor on it. The hypervisor (example KVM) can host a single VM.
- Ability to locate and view VSM card with slot configuration details under physical inventory.
- Ability to view configuration details of KVM host server and virtual service gateway such as Wireless Security Gateway (WSG) under logical inventory.
- Support to view the virtual machines configured for KVM host server under datacenter option in logical inventory.

## **Installation and Upgrade**

The following new installation and upgrade features and enhancements are described in the [Cisco Prime Network 4.2 Installation Guide](#):

- Enhanced GUI installation wizard that simplifies the installation experience and improves the speed of installation
- GUI installation wizard for Prime Network Integration Layer installation.
- Enhanced client download page with recommended installation for 32-bit and 64-bit operating systems.
- Support for Red Hat 5.8 and Red Hat 6.5.
- Embedded Oracle database upgraded to Oracle 12c.
- Support for VMware ESXi version 5.1 and 5.5.

## **Prime Network Integration Layer**

Prime Network 4.2 introduces the following new integration layer features and enhancements:

- New GUI installation wizard for quicker and easier installation of the PN-IL. For details, see the [Cisco Prime Network 4.2 Installation Guide](#).
- MTOSI inventory support to retrieve a specific network function for small cell integration.
- Support for security gateway inventory retrieval in the Virtualized Service Module (VSM) card on the Cisco ASR 9000 Series Aggregation Services Router (ASR90xx and ASR99xx).

# Important Notes

This section provides important information of which you should be aware before using Prime Network 4.2.

## Installation and Upgrade

Operations Reports does not support IPv6. The gateway, database server (Oracle and Infobright), and the units should be installed with IPv4.

## Workflow and Activation Replaced With Transaction Manager

Activation and workflow features have been replaced with Transaction Manager. These features are no longer available in Prime Network.

## Configuration Audit Features Available upon Upgrade Only

The configuration audit feature in Change and Configuration Management is deprecated and is being replaced with Compliance Audit. While upgrading from Prime Network 4.1 to 4.2, the upgrade procedure checks the user for configuration feature. Based on the user input, the Compliance Audit feature is enabled.

## Cable Technology - uBR10K Devices

For uBR10K devices, cable modeling for Upstream and Downstream channels and complete modeling for the MC20X20V and MC3GX60V line cards will be only supported from versions 12.2(33)SCG5 and higher.

## Browser Limitations for Prime Network Web Components

In Firefox, users might not be able to connect to the Prime Network 4.2 Web server to use features such as VCB, Network Discovery, and CCM using Firefox if the gateway IP address is a raw IPv6 address. This is due to a Firefox defect. To avoid this issue, log into Prime Network 4.2 using a hostname instead of an IP address.

## Potential Image Management Issues on ASR 9000 Devices with very large configuration

Under some circumstances the device driver (VNE) representing an ASR 9000 device can enter and remain in a state that affects Prime Network 4.2's ability to display installed IOS-XR packages and distribute IOS-XR images to the device. While Prime Network 4.2 can continue to monitor the device and update the physical and logical inventory, the condition affecting the image management functionality will persist. This issue has been observed on occasion with densely populated ASR 9000 devices, and Cisco is working on resolving it. If you encounter this issue, try restarting the VNE.



Note

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This issue is applicable to any device that is not in operational state.

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## Changing Command Builder when in Suite Mode

Command Builder access privileges can be controlled from the Prime Network 4.2 Administration GUI client, even when using Prime Network 4.2 in suite mode.

## Automatic Restart After Gateway Reboot

Prime Network 4.2 will restart automatically whenever the gateway server is restarted. This behavior can be disabled (so that Prime Network 4.2 has to be manually started after a gateway restart). See the [Cisco Prime Network 4.2 Administrator Guide](#) for more information.

**Auto-Discovery of Unsupported Modules**

Auto-discovery of unsupported module types is done on a best effort basis and is based on standard information which is reported by the device as part of the ENTITY-MIB. Operators are advised to validate that the discovery was fully successful. If not, add support for the specific module type using the VCB.

**SNMP Configuration**

When VNE is configured to use SNMPv2 or SNMPv3 for discovery, ensure that the device must be enabled with SNMPv1 also.

## Prime Network 4.2 Bugs

This section contains the following information:

- [Open Bugs, page 8](#)
- [Using the Bug Search Tool, page 21](#)

## Open Bugs

The following sections identify bugs that are open in Prime Network 4.2, according to the following criteria:

- All catastrophic and severe bugs (if any).
- Customer-found bugs.
- Moderate, minor, and enhancement bugs that are considered likely to affect the customer's experience with Prime Network 4.2.
- Bugs that were fixed in previous releases of Prime Network 4.2 but are still open in the current release because they were identified too late in the Prime Network 4.2 development cycle.

The open bugs have been grouped in the following categories:

- [Installation/Upgrade Bugs, page 9](#)
- [High Availability Bugs, page 9](#)
- [Bugs Related to Hardware or Software Version Issues, page 9](#)
- [Technology-Related Bugs, page 10](#)
- [VCB Bugs, page 11](#)
- [Change and Configuration Management \(CCM\) Bugs, page 12](#)
- [Command Manager Bugs, page 12](#)
- [Fault Management Bugs, page 12](#)
- [Transaction Manager Bugs, page 13](#)
- [Report Manager Bugs, page 13](#)
- [Operations Reports Bugs, page 13](#)
- [VNE/AVM Bugs, page 14](#)
- [Suite-Related Bugs, page 15](#)
- [GUI-Related Bugs, page 15](#)



- [Job Scheduler Bugs, page 16](#)

## Installation/Upgrade Bugs

**Table 1** *Installation/Upgrade Bugs*

Bug ID	Description
<a href="#">CSCuq22556</a>	Installing PN using GUI did not respond.
<a href="#">CSCuq52715</a>	AVM 25 on UNIT is not able to connect to Oracle database due to missing JDBC information in the XML file "UNIT persistency.xml" while upgrading from Prime Network 3.11 to 4.x.
<a href="#">CSCuq63274</a>	Installation fails in local HA when the name of a mount is available in the substring of another mount, for example mount names such as db and dbdata.
<a href="#">CSCun29698</a>	The file auto_install_RH.ini contains passwords in clear text after installation.
<a href="#">CSCur73577</a>	PN 4.2 Installations fails with timeout message due to OS prompt issue.
<a href="#">CSCur60321</a>	Changing the PN gateway IP address displays error message.
<a href="#">CSCuq18115</a>	Operation report installation fails in Local HA configuration.
<a href="#">CSCur44497</a>	When configuring system using the capacity planning spreadsheets, the profile requirements are not clear, and leads to setup failing due to disk size errors.
<a href="#">CSCur59909</a>	Errors in the AVM (AVM25) log file.
<a href="#">CSCut16609</a>	Unable to upgrade from PN 4.1/4.0 with RHEL 6.4 to PN 4.2 with RHEL 6.5.

## High Availability Bugs

**Table 2** *High Availability Bugs*

Bug ID	Description
<a href="#">CSCun70782</a>	PN-HA emdbctl script switches remote DB to read only.
<a href="#">CSCun39020</a>	Missing remote mount folder fails cluster second node installation.
<a href="#">CSCuo99877</a>	When nodes have different NIC names, PN installation fails.

## Bugs Related to Hardware or Software Version Issues

These are hardware or software version specific issues that are causing bugs in Prime Network 4.2.

**Table 3** *Bugs Related to Hardware or Software Version Issues*

Bug ID	Description
<a href="#">CSCuq49902</a>	Due to SNMP flapping, VNE changes the state from operational to Currently unsynchronized state in Cat4500X-32 device.
<a href="#">CSCuq69723</a>	RSP card name changes after OIR in ASR903 device.
<a href="#">CSCuq71718</a>	When remote port value for satellite port is increased, then the new value is not updated.

**Table 3** *Bugs Related to Hardware or Software Version Issues (continued)*

Bug ID	Description
<a href="#">CSCuq80772</a>	Mismatch in physical inventory found in ME2600 device.
<a href="#">CSCur70468</a>	Sup redundancy state is in NA after performing standby Sup instead of standby state. The reason being, the device sends the following syslog "%MODULE-5-STANDBY_SUP_OK: Supervisor 6 is standby", but PN fails to parse the syslog.

## Technology-Related Bugs

**Table 4** *Technology-Related Bugs*

Bug ID	Description
<a href="#">CSCun59446</a>	STP blocking decoration is not displayed on a VLAN overlay, when there is more than one link between the devices.
<a href="#">CSCur65803</a>	The path tracer does not include inner VLAN, when starting the path trace from Ether Flow Point in EVC (in the service view map).
<a href="#">CSCur79402</a>	The interface status down alarms for RSP management interfaces and ICL IP interfaces are not cleared, after the chassis got connected to the ASR 9001 device.
<a href="#">CSCup91729</a>	Changing the MAC address of a port automatically changes the bandwidth to 0 bps on Ethernet LAG.
<a href="#">CSCuq24225</a>	Tunnel TP Interface status down does not correlate with Link down ticket.
<a href="#">CSCun85984</a>	Incorrect tickets are generated while performing transceiver OIR in ASR 9000 device.
<a href="#">CSCun18551</a>	When a VSI is removed and then rediscovered, it is represented by a reconciliation icon rather than as a new object.
<a href="#">CSCun47761</a>	The EFP is not displayed on the pseudowire and EVC service views.
<a href="#">CSCuq70067</a>	The OAM Admin status for any port in OAM Tab is not matching with that status of the port under Physical Inventory.
<a href="#">CSCuo86912</a>	The EFD does not split after shutting down the link.
<a href="#">CSCuh95425</a>	Network event does not show up for CPT RP switchover syslog.
<a href="#">CSCuh37319</a>	Config syslog changes take a long time to update in the GUI for MPBGP in Nexus 7000 and Nexus 5000 devices.
<a href="#">CSCuh46377</a>	Cross launch from Generic server port to PPM fails. This happens because Prime Network uses ifName from IF-MIB and normalizes the port name for better UI presentation.
<a href="#">CSCun00130</a>	When reloading an ASR9K device, a "Port down due to Admin" ticket might be generated on a port that is already in admin down state.
<a href="#">CSCun27884</a>	Alarm association location shows physical interface instead of VLAN, which is defined correctly in location OID.
<a href="#">CSCun19328</a>	Some entries in the "EFPs" table contain extra data that does not exist anymore in the polled data or are missing data that exist in the polled data.

**Table 4**      **Technology-Related Bugs**

<b>Bug ID</b>	<b>Description</b>
<a href="#">CSCun08829</a>	ASR 5000 VNE becomes unreachable every polling cycle for a period of around two minutes when there are a few thousand AAA Diameter Route entries.
<a href="#">CSCum70578</a>	TP Tunnel is missing in the map pseudowire view.
<a href="#">CSCum54365</a>	Prime Network stops discovering TP tunnel services. AVM35 process hangs, TP-tunnel Service Discovery plug-in stops working.
<a href="#">CSCun13956</a>	Missing entries in Label Switching table and VRF Label table for ASR 9000 IOS XR 4.3.2.
<a href="#">CSCum95128</a>	Missing pseudowire links and incorrect pseudowire overlay.
<a href="#">CSCun04198</a>	Preferred path is not shown in the logical inventory for VSI-based pseudowires on ASR 9000 devices.
<a href="#">CSCug20371</a>	When shutting down a multilink interface, the MLPPP link disappears instead of becoming red.
<a href="#">CSCum85797</a>	Menu option "Get Virtual Connections" is disabled on E1 ports.
<a href="#">CSCtu27429</a>	MPLS topology test is based on ip instead of LDP neighbors.
<a href="#">CSCum27966</a>	Wrong network events correlation if management VRF name mismatches on different contexts (default and non-default) on Nexus nodes.
<a href="#">CSCuh56824</a>	Deleting or stopping a large scale VCenter VNE takes a long time.
<a href="#">CSCuh43963</a>	On a Cisco CRS S/W 4.3.0 modeled with "Reduced Polling", deleting IPv4 from an interface is not reflected in the inventory until the "POLL NOW" button is clicked on the card level.
<a href="#">CSCun33376</a>	Service alarms are not generated when deleting a VSI from the device.
<a href="#">CSCun20899</a>	Active and backup pseudowires did not merge.
<a href="#">CSCun13111</a>	Pseudowire seems empty in the EVC view If both edges are of type Bridge/VSI.
<a href="#">CSCun16609</a>	"Chassis temperature exceeds 65 degrees" trap which is not supported anymore is still listed in the client.

## VCB Bugs

**Table 5**      **VCB Bugs**

<b>Bug ID</b>	<b>Description</b>
<a href="#">CSCuq90423</a>	Adding a large number of VCB event patterns using CLI fails.
<a href="#">CSCur73782</a>	While importing a large number of commands using VCB fails.
<a href="#">CSCur87477</a>	The System default module templates available in Cisco Entity MIB Modules can be deleted after editing them.
<a href="#">CSCur87458</a>	VCB is showing the wrong Overriding System Default status.
<a href="#">CSCur41822</a>	Unable to remove or delete some user-defined items from the system.

## Change and Configuration Management (CCM) Bugs

**Table 6** *CCM Bugs*

Bug ID	Description
<a href="#">CSCuq42856</a>	Restoring archive backups fail in overwrite mode in CCM for CPT600 device.
<a href="#">CSCun57035</a>	CCM image backup does not work on a NAT environment.
<a href="#">CSCuq29047</a>	Configuration restores on CCM fails for ASA 5585 device.
<a href="#">CSCun55948</a>	The PN-NCCM fails for configuration operations through the SCP MWR294.
<a href="#">CSCum99969</a>	When trying to activate 500 devices in one job the storage pane rendering is slow and it takes a long time to populate data.
<a href="#">CSCup85500</a>	Image activation task for ASR 5500 device is successful in NCCM but showing timeout errors.
<a href="#">CSCuq42594</a>	The second and subsequent configurations of CCM backup for CPT devices fail but Prime Network displays successful message.
<a href="#">CCSctq26336</a>	When the Nexus 7000 VNE is stopped, its configuration archives are removed.
<a href="#">CSCug63646</a>	After restoring archived config to startup-config on an ASR 903 device, the latest startup-config is not retrieved although the configuration is different.
<a href="#">CSCum09408</a>	Restore job failed for ASR9000 device.

## Command Manager Bugs

**Table 7** *Command Manager Bugs*

Bug ID	Description
<a href="#">CSCun70765</a>	Selecting 1000 devices in Compliance Audit using SHIFT+CLICK is not possible.
<a href="#">CSCun83339</a>	The delete fails when a new implementation is added to an existing command.
<a href="#">CSCur66647</a>	Command Builder script for ME1200 results in protocol failure.
<a href="#">CSCuo93145</a>	CB display does not support command for CPT in CTC mode.

## Fault Management Bugs

**Table 8** *Fault Management Bugs*

Bug ID	Description
<a href="#">CSCuq17839</a>	After modeling ASR 9000 devices with satellite, verify the link between two chassis discoveries and perform the card down operation. A ticket with "chassis disconnect" is created. While performing the card down and port down operations, similar tickets should be created.

## Transaction Manager Bugs

**Table 9** *Transaction Manager Bugs*

Bug ID	Description
<a href="#">CSCur49529</a>	Devices are not listed for Device role as Configurator in Transaction Manager.

## Report Manager Bugs

**Table 10** *Report Manager Bugs*

Bug ID	Description
<a href="#">CSCur78886</a>	Hardware summary report generated by selecting Properties displays empty report.

## Operations Reports Bugs

This table shows open bugs in the new Prime Network Operations Reports component.

**Table 11** *Operations Reports Bugs*

Bug ID	Description
<a href="#">CSCuh63290</a>	No option to select an output type (HTML, PDF, etc.) when scheduling an interactive report.
<a href="#">CSCuh63304</a>	When editing and then saving a prepackaged interactive report, the name of the report is changed.
<a href="#">CSCuh60084</a>	Report scheduled with recurrence value of “run once” disappears from the Workspace after it has been executed.
<a href="#">CSCuh57022</a>	Only the Prime Network user (pnuser) should be allowed to start/stop Operations Reports processes but the root user can also do this by running the reports server start/stop server script (./ctl.sh under export/home/<pnuser>/pentaho/server/biserver/tomcat/scripts).
<a href="#">CSCui14086</a>	Data source was deleted and cannot be retrieved.
<a href="#">CSCui37467</a>	Only the first page of a scheduled interactive report is shown although the report contains multiple pages.
<a href="#">CSCun00271</a>	Interactive reports execution is slow with setups of more than 30K devices.
<a href="#">CSCun18255</a>	Inventory data report stops responding and remains “in-progress” for a long time.
<a href="#">CSCug14300</a>	Bottom scroll bar in interactive reports is not fully visible.
<a href="#">CSCug34500</a>	Drop down list does not disappear when performing a subsequent action.
<a href="#">CSCug34580</a>	Tooltip is not clearly visible in Operations Reports GUI.
<a href="#">CSCuh21737</a>	In the Active Events interactive report, the text does not wrap and field values overlap into the next field.
<a href="#">CSCuh59716</a>	For pre-packaged interactive report scheduling email option not provided.

**Table 11**      **Operations Reports Bugs (continued)**

Bug ID	Description
<a href="#">CSCuh60062</a>	Scheduled interactive report names in Workspace not recognizable.
<a href="#">CSCuh60113</a>	"Schedule" option is not enabled for pre-packaged reports.
<a href="#">CSCuh60722</a>	Scheduled Interactive reports are all shown in the same page.
<a href="#">CSCus07901</a>	When Prime Network is upgraded, the Operation Reports is not upgraded to latest version of Prime Network.

## VNE/AVM Bugs

**Table 12**      **VNE/AVM Bugs**

Bug ID	Description
<a href="#">CSCuo97690</a>	Missing contextual launch link in VM dashboard for Hypervisor name and server.
<a href="#">CSCup02954</a>	SFP pluggable status is not refreshing while performing SFP input and output operations.
<a href="#">CSCun12892</a>	The CLI state is UP, when VNE password is changed to incorrect value.
<a href="#">CSCun20740</a>	The Nexus 7000 IPv6 routing table is not updated after poll now operation.
<a href="#">CSCum15296</a>	There is no physical link shown between the ASA 5585 and 3560 devices.
<a href="#">CSCuq65696</a>	In PN, the AVM crashes after making some operations on the device.
<a href="#">CSCur77350</a>	Device proxy for Telnet session displays with incorrect prompt.
<a href="#">CSCup01703</a>	NW discovery is not running after stopping existing discovery profile.
<a href="#">CSCuo80394</a>	The Power supply out or in ticket is not correlated in a single ticket.
<a href="#">CSCui81411</a>	Bridge table is not modeling in Nexus 1000 devices.
<a href="#">CSCum48310</a>	Power supply syslogs and traps are not correlating to ticket for FEX module.
<a href="#">CSCur57576</a>	The syslog parsing rule NODE-STATE-CHANGE-DOWN does not expedite card status registration.
<a href="#">CSCur17591</a>	SNMP link down and link up traps are not processed correctly.
<a href="#">CSCuq99569</a>	No change in sub interface status even when VRF is removed in the far-end of pseudowire.
<a href="#">CSCur45007</a>	Number of MAC addresses in the bridge-domain 'BDN-NCN_ADMIN-00001' has reached the maximum configured MAC address limit. No notification is sent and syslog is not processed.
<a href="#">CSCum68808</a>	When testing power supply unit failure on ASR 5500 devices, it was noticed that PowerFilterUnitUnavail (.1.3.6.1.4.1.8164.2.33) and PowerFilterUnitAvail (.1.3.6.1.4.1.8164.2.34) trap alarms are not associated with power supply units.
<a href="#">CSCuq93887</a>	EFP operational state is not updating when the bridge is shutdown.
<a href="#">CSCuq96585</a>	The VNE driver component is missing for ASR 902 Fan.
<a href="#">CSCur72204</a>	Links are not discovered. Physical inventory displays missing interfaces and logical inventory in the CDP table does not show local interface.

**Table 12** VNE/AVM Bugs (continued)

Bug ID	Description
<a href="#">CSCuq97343</a>	Adding a new driver for Red Hat Linux sysoid in VCB is not making the VNE to discover it as Red Hat Linux but still as generic compute server.
<a href="#">CSCur16288</a>	The 'Power Supply down' ticket opened when power cord was disconnected, has not been cleared when power cord was reconnected.
<a href="#">CSCur30027</a>	The environmental trap events must have unique identifier.
<a href="#">CSCur36847</a>	Port type for management ports of ASR5500 UMIO is displayed incorrectly.
<a href="#">CSCur36849</a>	Management ports of ASR5500 UMIO displays no transceiver message.
<a href="#">CSCur68162</a>	VNE modeled through SSH should act the same way when logged in through Telnet. CCM job fails when "Ask for user credentials when running device configuration operations" is not checked from the product GUI.
<a href="#">CSCur83400</a>	VNE logs multiple Java exceptions such as NullPointerException, NumberFormatException, IllegalArgumentException and so on in various parts of the VNE driver code in ASR 5000 devices.
<a href="#">CSCur83563</a>	IPv4 metrics at interface level in ISIS is showing incorrect metrics data.
<a href="#">CSCun43731</a>	When the satellite chassis is disconnected, a duplicate "Power supply out" alarm is triggered that does not get cleared.
<a href="#">CSCun54905</a>	Satellite ICL links do not show up for ASR9K device with XR 511.
<a href="#">CSCuq69330</a>	Deadlock in AVM 11 while importing a script named VcbImportCommands.sh.
<a href="#">CSCur25505</a>	AVM25 in the unit fails to connect to the database after several gateway failovers.

## Suite-Related Bugs

**Table 13** Suite-Related Bugs

Bug ID	Description
<a href="#">CSCuh93423</a>	The Prime Central GUI may temporarily show Logical DC entities (VM, Host, Host Cluster, etc.) after a vCenter is deleted from Prime Network.
<a href="#">CSCut08164</a>	Unable to perform cross launch from VNE to Prime Provisioning in a suite environment.
<a href="#">CSCut05315</a>	Login to Operation report failed in a suite environment.

## GUI-Related Bugs

**Table 14** GUI-Related Bugs

Bug ID	Description
<a href="#">CSCur83592</a>	IE 10 did not work with Prime Network 4.1 and 4.2 Application Launch pages with hostname in URL.

## Job Scheduler Bugs

**Table 15**      *Job Scheduler Bugs*

Bug ID	Description
<a href="#">CSCun17110</a>	In some cases, the Command Builder script returns different results when executed manually than when executed by means of a scheduled job.

## Resolved Bugs

Table 16 identifies bugs that were listed as open bugs in the Prime Network 4.1 release notes and have since been resolved.

**Table 16**      *Resolved Bugs in Cisco Prime Network 4.2*

Bug ID	Description
<a href="#">CSCui05381</a>	Device Proxy support for key based authentication requires users to change jar files.
<a href="#">CSCum94855</a>	Tickets with sandglass are generated for missing notification <to check>.
<a href="#">CSCun79708</a>	Notifications are not being sent.
<a href="#">CSCun95386</a>	Compliance Audit Page at times renders with a "js" error.
<a href="#">CSCun95760</a>	Compliance audit job fails while using the SCP protocol.
<a href="#">CSCuo04758</a>	CCM fails to distribute image to Dragon wave devices while using the FTP facility.
<a href="#">CSCuo04951</a>	Command Manager, administrator, and configurator is unable to view jobs of other users.
<a href="#">CSCuo14797</a>	A leak in file descriptors, and the SSH socket is not destroyed on disconnect.
<a href="#">CSCuo22448</a>	Special character in configuration fails the Config Audit job.
<a href="#">CSCuo34442</a>	Compliance audit generates a wrong violation report.
<a href="#">CSCuo35057</a>	Lotem does not gracefully close the SSH session at device response timeout.
<a href="#">CSCuo60826</a>	The activate Cisco IOS by Image page does not render properly. This is observed in Internet Explorer 8 and above.
<a href="#">CSCuo70655</a>	PN4.2 Local HA + Geo Installation fails.
<a href="#">CSCup00772</a>	CCM configuration on ASR 5500 device is not restored even though the operation is successful.
<a href="#">CSCup12335</a>	Administrator login page disappears after the login.
<a href="#">CSCup12483</a>	Unable to login to Admin Client in the Local HA + Geo setup.
<a href="#">CSCup12636</a>	Unable to launch web Admin Client in the Geo Only setup.
<a href="#">CSCup22047</a>	Multiple issues in OpenSSL.
<a href="#">CSCup36688</a>	Unable to launch web Admin Client after switchover on VM or BM in Geo Only.
<a href="#">CSCup44741</a>	Catastrophic hot backup failure on Local HA + Geo only in a BM setup.
<a href="#">CSCup62864</a>	Device IP selector instead of Unit IP in the VCB trap sender window.



**Table 16** *Resolved Bugs in Cisco Prime Network 4.2*

<b>Bug ID</b>	<b>Description</b>
<a href="#">CSCup78313</a>	Admin or configurator is not able to see other user's jobs.
<a href="#">CSCup81783</a>	Unable to login to Admin client.
<a href="#">CSCup81839</a>	Unable to launch Web Admin client.
<a href="#">CSCup89911</a>	Slow response in AVM OOM and device due to multiple XML command instances.
<a href="#">CSCuq01417</a>	Geo only installation failure in VM setup.
<a href="#">CSCuq09015</a>	XMP is not installed properly when installing PN 4.2 gateway.
<a href="#">CSCuq30244</a>	VCB syslogs are not processed in Prime Network due to space character.
<a href="#">CSCuq30874</a>	Local HA + Geo installation failure in VM setup.
<a href="#">CSCuq30902</a>	Geo only installation fails in VM setup.
<a href="#">CSCuq31390</a>	Unit failover did not work for few work flows in PN.
<a href="#">CSCuq52320</a>	Issues exist in setFpingPermissions.tcl when searching for PN home directory.
<a href="#">CSCuq57439</a>	Issue in anactl and/or cmctl for compliance on unit.
<a href="#">CSCuq60886</a>	nvSatellite ICL links slow discovery issue in Topology link.
<a href="#">CSCuq72556</a>	User scope in CCM operation does not work.
<a href="#">CSCuq93458</a>	CCM upgrade issues while performing an upgrade on PN4.2.
<a href="#">CSCuq94869</a>	upgrade.pl fails on permissions update.
<a href="#">CSCur05741</a>	Local HA installation fails in VM setup.
<a href="#">CSCur08897</a>	Telnet collector gets stuck at Lotem (jcraft) and hence the VNE is in an unsync mode.
<a href="#">CSCur32612</a>	Catastrophic hot backup fails on Local HA + Geo only.
<a href="#">CSCur32629</a>	Non-Catastrophic hot backup fails on Local HA + Geo Setup in a VM environment.
<a href="#">CSCur40812</a>	AVM 25 exception caused by: java.lang.ArrayIndexOutOfBoundsException
<a href="#">CSCur43466</a>	Embedded Oracle upgrade issues when performing an upgrade from PN 11 to PN.
<a href="#">CSCur48627</a>	Add commands filter does not select the right commands.
<a href="#">CSCur49474</a>	PN 4.2 GUI installation searches for Oracle 11G.
<a href="#">CSCur53183</a>	Command Manager is extremely slow while creating a new command.
<a href="#">CSCur67937</a>	Non-Catastrophic Hot backup fails on Local HA + Geo setup,
<a href="#">CSCur76129</a>	Modeling issues for CPT device inventory in PN 4.2
<a href="#">CSCug85781</a>	Duplicate BFD connectivity down service alarms displayed on LAG interfaces.
<a href="#">CSCui33244</a>	Administrator GUI fields for LDAP DN prefix and suffix are too short.
<a href="#">CSCui88402</a>	Logger total counter returns a negative number.
<a href="#">CSCuj75462</a>	MLPPP medium priority member down event is not created when the T1 controller is down.
<a href="#">CSCul08868</a>	BFD syslog events are not correlated with BFD services events.
<a href="#">CSCul61005</a>	Hardware detailed report for ports displays wrong PID data.
<a href="#">CSCum15154</a>	Tickets created for LAG interfaces down are not cleared.
<a href="#">CSCum82990</a>	Duplicate memory usage registrations exist for Cisco ASR 5500 VNE.

**Table 16** Resolved Bugs in Cisco Prime Network 4.2

Bug ID	Description
<a href="#">CSCun19151</a>	Satellite IC port status does not have status populated on VNE.
<a href="#">CSCun24906</a>	Fan tray out ticket is not cleared and fan status is displayed as cleaning in PN.
<a href="#">CSCun68861</a>	The source MAC address column in the Y1731 probe table is empty for Cisco ASR9000 and 9904 series devices.
<a href="#">CSCun82767</a>	Source MEP column is empty in ASR9000 and 9904 devices.
<a href="#">CSCun84997</a>	ReportsServiceImpl is null for RegistryManager.
<a href="#">CSCuo17407</a>	IRD framework in waiting state is not responding.
<a href="#">CSCuo68860</a>	BfdSessionCommandHandler is added twice to the waiting list and causes OOM.
<a href="#">CSCuo85863</a>	Inconsistent reporting of DWDM controller state as AdminDown or Down.
<a href="#">CSCup00169</a>	While removing an RSP card, chassis disconnect alarm is generated.
<a href="#">CSCup75674</a>	Delayed false service alarms for pseudowire links.
<a href="#">CSCup78077</a>	EFP polling registration should be changed to Bypass Compare.
<a href="#">CSCuq21235</a>	Change XML registration should be persistent with optimized command.
<a href="#">CSCuq36948</a>	Link is not reflected between Cisco ASR 9000 device and WSG service in Prime Network.
<a href="#">CSCuq46566</a>	Pentaho initialization exception on PN 4.2.
<a href="#">CSCuq56260</a>	Multiple IndexOutOfBoundsException is displayed in CiscoRouterIOXREMrouteParser.
<a href="#">CSCuq60823</a>	Forge VSM syslogs are not reflected in Prime Network.
<a href="#">CSCuq61701</a>	Tags such as rttMonCtrlAdminTag must be added as distinguisher for IPSLA trap events.
<a href="#">CSCuq65175</a>	Empty table is populated for MMRP participants in I-Bridge.
<a href="#">CSCuq67351</a>	Contexts are not getting modeled.
<a href="#">CSCuq74630</a>	PN does not send virtual flag as false for VPC in unavailable state.
<a href="#">CSCuq80527</a>	In Cisco ASR 5000 devices, all services are not modeled under the context.
<a href="#">CSCuq85912</a>	Get Inventory for host server full information displays exception.
<a href="#">CSCuq93527</a>	Bean shell error exists while executing SNMP command in Prime Network.
<a href="#">CSCuq97306</a>	Cisco ASR 5000 packet services cards are not properly discovered.
<a href="#">CSCur02125</a>	Notifications are not sent when adding, editing, or deleting H(e)NB, MME, HNB, GSN, and service gateways.
<a href="#">CSCur16167</a>	Memory usage is not displayed in device inventory of ASR 5500 devices.
<a href="#">CSCur16391</a>	Traps such as starHNBGWWSGSNRanapReset, starHNBGWMSCRanapReset are treated as standard traps.
<a href="#">CSCur31759</a>	ISIS Implementation and modeling to be changed for Cisco IOS XR devices.
<a href="#">CSCur36333</a>	OAM parser fails to return empty IRD list when no OAM is configured in Cisco ASR 9000 devices.
<a href="#">CSCur44628</a>	The TE tunnel properties parser (CiscoRouterCRSMplsTETunnelPropertiesParser) fails to parse the TE path option.

**Table 16** *Resolved Bugs in Cisco Prime Network 4.2*

Bug ID	Description
<a href="#">CSCur45016</a>	MAC address limit trap is not parsed.
<a href="#">CSCur46296</a>	SFP 1000BASE-T cards are not discovered properly.
<a href="#">CSCur48201</a>	The EVPN and bridge container in PN is not updated on removal of EVPN.
<a href="#">CSCur54704</a>	Physical inventory is not modeled correctly for Cisco ASR 5000 device in PN 4.0.
<a href="#">CSCun10969</a>	650K message are dropped every 30 seconds.

## Closed Bugs

Table 17 identifies bugs that have been closed since the previous release.

**Table 17** *Closed Bugs in Cisco Prime Network 4.1*

Bug ID	Description
<a href="#">CSCuh68380</a>	Reports folders are not visible when Operations Reports is launched for the first time.
<a href="#">CSCuf48387</a>	Pie chart distribution is not equal to 100% in report.

## Bugs Resolved in Earlier Releases but Still Open in Prime Network 4.2

The bugs listed in [Table 18](#) were identified too late in the Prime Network 4.2 development cycle to be fixed for this release. The fixes for these bugs have been provided to customers running older versions of the product as needed and are scheduled for inclusion in the next release.

**Table 18** *Bugs Resolved in Earlier Releases but Still Open in Prime Network 4.2*

Bug ID	Description
<a href="#">CSCu198786</a>	When CDP is disabled, an expectation for the topology to be discovered through MAC topology is established, and links are not discovered.
<a href="#">CSCum54365</a>	TP tunnel service discovery plugin stops working and AVM35 process continues without stopping.
<a href="#">CSCun19143</a>	Satellite IC port status participating in ICLs does not have status populated on initial investigation of VNE.
<a href="#">CSCun92962</a>	Select devices screen in USCC results in blank execution parameter screen from IE 8.
<a href="#">CSCun37851</a>	Issue in event “IntegritySP.creTicketOrArchiveFlaggingEvent” displays database exception.
<a href="#">CSCuo02196</a>	CDP link between Cisco 2811 (Serial0/0/0.111) and ASR 1000 (Serial0/1/0.1/1/1/1:0.111) devices is missing.
<a href="#">CSCun24955</a>	In UPC telecom test setup, PW to TP stitch is missing periodically in PW service at Network Pseudowire and Pseudowire Edge levels.
<a href="#">CSCuo19812</a>	ASR 9000 device performs modeling for a long period of time and this causes 50% CPU usage on the unit. Empty table is populated for MMRP participants in I-Bridge.
<a href="#">CSCup21269</a>	Collector agent is suspended when a command script is executed.
<a href="#">CSCup21205</a>	Events that are not stable creates proxy events for traps.
<a href="#">CSCun37125</a>	Fault DB does not have the PPM TCA trap recorded.
<a href="#">CSCun90467</a>	The Layer1 or Layer2 topology links between T1 interfaces with PPP and MLPPP configuration are not discovered in Prime Network 3.11.
<a href="#">CSCup65479</a>	When bandwidth on the bundle Ethernet interface is configured to be lower than maximum speed of combined members' port speed, then the Ethernet channel inventory continue showing a maximum value.
<a href="#">CSCup87393</a>	Audio alarm gets broken if the ticket gets cleared quickly.
<a href="#">CSCun95767</a>	Saving a command fails for ASR 1001 device series.
<a href="#">CSCuq02423</a>	When using FTP as a transfer protocol, CCM fails to backup configurations from Dragonwave devices.
<a href="#">CSCuq07357</a>	Binding information is not available on EFP.
<a href="#">CSCur02707</a>	Telnet command in Network Vision needs to use the protocol set in the VNE.
<a href="#">CSCur75222</a>	In CRS8S platform, the fan-tray out ticket is not created when the fan tray is removed.
<a href="#">CSCui35119</a>	Configuration restore operation fails.
<a href="#">CSCuj28308</a>	CIOS image version is UNKNOWN in the Repository window.

## Using the Bug Search Tool

Bug Search is a new tool for getting information about Prime Network 4.2 bugs. In addition to having better performance than the legacy Bug Toolkit, Bug Search allows you to:

- Quickly scan bug content
- Configure e-mail notifications for updates on selected bugs
- Start or join community discussions about bugs
- Save your search criteria so you can use it later

When you open the Bug Search page, check the interactive tour to familiarize yourself with these and other Bug Search features.

- 
- Step 1** Access the Bug Search tool from the Bug Toolkit page.
- a. Go to <http://tools.cisco.com/Support/BugToolKit>.
  - b. At the Log In screen, enter your registered Cisco.com username and password; then, click **Log In**. The Bug Toolkit 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>.

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- Step 2** Open the Bug Search page by clicking the **Bug Search** link from the top of the Bug Toolkit page.

- Step 3** To search for bugs in the current release:
- a. Enter **Prime Network 4.2** in the Search For field and hit Return. (Leave the Product, Software Type, Release, and Show Bugs fields empty.)
  - b. When the search results are displayed, use the filter and sort tools to find the types of bugs you are looking for. You can search for bugs by severity, by status, how recently they were modified, according to the number of support cases associated with them, and so forth.

If you know the bug ID, simply enter it in the Search For field and hit Return.

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## Related Documentation

For a list of the guides available for Prime Network 4.2, see the [Cisco Prime Network 4.2 Documentation Overview](#).

Additional information can be found in the Cisco Prime Network Technology Center, which is an online resource for Prime Network support content, including help for integration developers who use Prime Network application programming interfaces (APIs). It also provides a platform for you to interact with subject matter experts. To access the Prime Network Technology Center website, you must have a Cisco.com account with partner level access, or you must be a Prime Network licensee. You can access the Prime Network Technology Center at: <http://developer.cisco.com/web/prime-network/home>.

## Accessibility Features in Prime Network 4.2

The Prime Network 4.2 software does not provide accessibility features. 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](mailto:accessibility@cisco.com).

## Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at: <http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>.

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