



Cisco Prime Network 3.8.1 Release Notes

This document contains the following sections:

- [Release Note Revisions, page 1](#)
- [Introduction, page 2](#)
- [Installation and Upgrade Notes Specific to Prime Network 3.8.1, page 3](#)
- [New Features and Enhancements in Prime Network 3.8.1, page 8](#)
- [New Device Support Information, page 15](#)
- [Open Bugs in Prime Network 3.8.1, page 15](#)
- [Resolved Bugs, page 23](#)
- [Closed Bugs, page 25](#)
- [Related Documentation, page 26](#)
- [Obtaining Documentation and Submitting a Service Request, page 26](#)

Release Note Revisions

[Table 1](#) describes information that has been added or changed since the initial release of the Prime Network 3.8.1 Release Notes.

Table 1 *Added/Changed Information in This Document*

Date	Revision	Location
June 5, 2012	Added the following open caveats: <ul style="list-style-type: none">• CSCua00824—ClassCastException in AVM log for VNE referencing ifHighSpeed OID.• CSCua19004—Unable to connect with GUI after upgrading from 3.7.1 to 3.8.1.	<ul style="list-style-type: none">• AVM/Unit/VNE Bugs, page 21• Installation/Upgrade Bugs, page 16
	Updates in the procedure for enabling the Network Discovery feature.	Enabling the Network Discovery Feature for 3.8.1, page 7.



Americas Headquarters:
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

Table 1 **Added/Changed Information in This Document (continued)**

Date	Revision	Location
May 23, 2012	Updated the rollback procedure.	Rolling Back from Prime Network 3.8.1, page 5
April 26, 2012	Added information on installing Cisco Prime Network 3.8.1.	Installing Prime Network 3.8.1, page 3
	Added information on supported RHEL version for RHCS/ADG HA solutions.	Supported Operating System for RHCS/ADG Gateway HA Solutions, page 4
	Added disclaimer for network activation content.	E-Line Activation on 7600 WS Line Cards (with Limitations), page 15
	Added the following open caveat: CSCtw82586—Recommended Solaris patch update.	Installation/Upgrade Bugs, page 16
April 23, 2012	Added the following open caveat: CSCtz36312—Incorrect command to enable VNE Staggering mechanism.	Open Bugs in Prime Network 3.8.1, page 15
April 03, 2012	Added the following open caveats: <ul style="list-style-type: none"> • CSCty88281—Configuring the VPLS E-LAN activation on Cisco 7600 device fails if VFI is not existing. • CSCty88309—Network Activation script failed to create E-LAN VPLS neighbor on Cisco ASR9000 device. • CSCty87987—Network Activation will not work without removing the timestamp on Cisco ASR9000 device. 	Technology-Related Bugs, page 18
May 08, 2012	Added information about support for embedded database on VMware.	Support for Embedded Database on VMware, page 4

Introduction

Cisco Prime Network 3.8.1 provides service providers and other network operators with a comprehensive assurance and device management solution for IP next-generation networks (NGNs). It is offered as a standalone application and as a fully integrated component of the Cisco Prime IP NGN suite for customers needing end-to-end network management lifecycle capabilities.

Cisco Prime Network (Prime Network) users can easily discover network elements (NEs), administer them, diagnose problems, and restore changed configurations. These monitoring, validating, troubleshooting, and administration tasks can be accomplished using the Prime Network GUI client applications.

This document provides information on the new and enhanced features introduced in Cisco Prime Network 3.8.1. It also lists the open and resolved bugs in this release of Prime Network.

**Note**

All the information relevant to this release is consolidated in these release notes. The full documentation set will be updated for the next major release of Prime Network.

The following new features and enhancements have been introduced in Prime Network 3.8.1:

- **Network Discovery**—Allows users to automatically discover the devices that exist in the network, and then to create a virtual Network Element (VNE) for each discovered device to be managed with Prime Network. See [Network Discovery, page 8](#) for more information.
- **Find Mode vs. Automatic Data Retrieval in Prime Network Events**—Allows users to set Prime Network Events to operate in Find mode. In this mode, there is no automatic retrieval of events from the database and users can search for the specific events they want to see. See [Find Mode vs. Automatic Data Retrieval in Prime Network Events, page 12](#) for more information.
- **Support for E-Line Service Activation on 7600 WS Line Cards**—Prime Network 3.8.1 now supports E-line point-to-point service activations on 7600 device ES line cards and the following WS line cards: WS-X6708-10GE, WS-X6748-GE-TX, WS-X6704-10GE, WS-X6724-SFP, 7600-ES20-10G3C. See [Change and Configuration Management Additional Device Support, page 13](#) for more information.
- **Change and Configuration Management (CCM) additional device support**—CCM now provides support for the Cisco ASR 5000 series, Cisco ASR 901, and Cisco ASR 903 routers. See [Change and Configuration Management Additional Device Support, page 13](#) for more information.

Installation and Upgrade Notes Specific to Prime Network 3.8.1

This section includes installation and upgrade information specifically relevant to the Cisco Prime Network 3.8.1 release. The information in this section should be read as a supplement to the [Cisco Prime Network 3.8 Installation Guide](#).

- [Installing Prime Network 3.8.1, page 3](#)
- [Web Browser Support, page 4](#)
- [Supported Operating System for RHCS/ADG Gateway HA Solutions, page 4](#)
- [Support for Embedded Database on VMware, page 4](#)
- [Post-Upgrade—Restarting Crontab Jobs for Unit Behind NAT/FW, page 4](#)
- [Rolling Back from Prime Network 3.8.1, page 5](#)
- [Enabling the Network Discovery Feature for 3.8.1, page 7](#)

Installing Prime Network 3.8.1

To perform a standard installation of Prime Network 3.8.1, follow the instructions for installing Prime Network 3.8 that are documented in the [Cisco Prime Network 3.8 Installation Guide](#).

To upgrade to 3.8.1, follow the Upgrading from Cisco ANA 3.7.x to Cisco Prime Network 3.8 section in the [Cisco Prime Network 3.8 Installation Guide](#). The procedure is the same, with these differences:

- You do not have to delete the \$ANAHOME/main/drivers content from all of the units before you perform the upgrade. (This is stated in a Before You Begin note at the beginning of the upgrade procedure, but you can ignore it.)

- When doing an upgrade from 3.8 to 3.8.1, you must install the 3.8.1 version of the `ivne-drivers.tar` file for Cisco Prime Network to be fully functional.

Web Browser Support

1. Prime Network 3.8.1 web browser based GUI is supported on the following browsers:
 - Mozilla Firefox 7.0
 - Google Chrome 12, 13, and 14
 - Apple Safari 5.1
 - Internet Explorer 8 (on Microsoft Windows 7)
 - Internet Explorer 9 supported in IE 8 Capability Mode
2. The minimum browser dimensions that Prime Network supports to successfully view the network discovery tool, is 900 x 600.

Supported Operating System for RHCS/ADG Gateway HA Solutions

Prime Network 3.8.1 is supported on Red Hat Enterprise for Linux, 5.5, 5.6, 5.7 with the Red Hat Clustering Suite. This applies to both local and geographical redundancy.

Support for Embedded Database on VMware

Oracle can now be installed on VMware. Prime Network 3.8.1 supports embedded database on VMware, with fault management performance of five events per second.

Post-Upgrade—Restarting Crontab Jobs for Unit Behind NAT/FW

Upgrading to Cisco Prime Network 3.8.1 removes crontab jobs from units. To manually restart these jobs for units behind NAT/firewall, do the following:

-
- Step 1** Log in to the unit as the *network user*.
- Step 2** Copy the **upgrade_restart_crons.pl** script from the gateway, as follows:
- ```
remote_copy.cmd "[your_gateway's_ip]:~/Main/scripts/upgrade_restart_crons.pl" Main/scripts
```
- Step 3** Execute the above script on the unit. The following output is displayed:
- ```
./Main/scripts/upgrade_restart_crons.pl
+ Updating the unit's cronjobs
- Writing log to ~/Main/logs/upgrade_crons.log
- Copying the files from the gateway (gateway's_ip)
- Restarting the cronjobs
```
- Step 4** Verify the crontab list is not empty by executing the following command:
- ```
crontab -l
```
- Step 5** Verify the unit is starting up by executing the following command :

```
ps -ef | grep network user
```

## Rolling Back from Prime Network 3.8.1

Rollback is available if you encounter problems during the upgrade, or if you need to roll back to an earlier version after the upgrade completes.



### Note

If you are rolling back a gateway and one or more units are connected to the gateway, roll back the units first, then the gateway. The rollback will remove redundant units from the registry and the GoldenSource.

Complete the following procedure to roll back to Prime Network 3.8 or ANA 3.7.x:

- Step 1** Verify that the Prime Network application is not running.
- Step 2** Verify that the gateway and units are powered up and connected. That is, you can open an SSH session between the gateway and all units.
- Step 3** If your environment contains standby/NAT units, use Prime Network Administration to remove the standby units from the gateway.
- Step 4** Restore the backed-up database and start the database services and the listener. The database backup was done during the upgrade process as the database table structure changes during the upgrade. In order for the system to function correctly after a rollback, the old table structure must be recovered through a database backup. To restore an external database, contact your database administrator. Do the following to restore an embedded database:

- a. Log into the gateway as *network user*.
- b. Change to the directory NETWORKHOME/Main/scripts/embedded\_db:
 

```
cd $ANAHOME/Main/scripts/embedded_db
```
- c. Execute the restoration script:
 

```
emdbctl --restore
```



### Note

After you restore the database, Prime Network tries to reboot. The reboot does not succeed and an error appears in the gateway log that AVMs with a heap size of 6 GB cannot be configured. You can ignore this message and continue with the next step.

- Step 5** If rolling back to 3.8, save the ~/Main/.ana and ~/Main/.version files for all units outside of the Prime Network home directory. If rolling back to 3.7.x, continue to [Step 7](#).
- Step 6** Uninstall and install 3.8 or 3.7.x unit (depending on the version you are rolling back to), but do not configure the unit at this point.



### Note

Make sure the unit's user name and directory is same as the gateway.

- Step 7** As the *network user*, go to the directory where the upgrade directory was copied during the upgrade procedure and enter the following command to change to the upgrade directory:

```
cd Prime_Network_upgrade (for 3.8)
```

or

```
cd ANA_upgrade (for 3.7.x)
```



**Note** Make sure that the upgrade directory is not a subdirectory of the prime network home directory.

**Step 8** As the *network user*, enter the following command on the Prime Network gateway only:

```
perl rollback.pl
```



**Caution** Do not deploy the **rollback.pl** script in the Prime Network home directory. If you do this, an error message appears that the script should not run from this location.

**Step 9** Enter the required information at the prompts. The following table lists the prompts that appears at various stages of the rollback their required settings

**Table 1-2 Rollback Prompts and Required Input**

| Prompt for...                                                              | Enter...                                                               | Notes                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Have you rolled back the database?                                         | Y                                                                      | Enter <b>Yes</b> if you have rolled back the database, as described in <a href="#">Step 4</a> .<br><br>If you have not rolled back the database, do not continue. Complete the database rollback first, and then start this procedure again. |
| Have you reinstalled the units?                                            | Y                                                                      | Enter <b>Yes</b> if you have reinstalled any units connected to the gateway. If not, do not continue. Reinstall the units, and then begin the procedure again.                                                                               |
| Are you sure you want to roll back the current Prime Network installation? | Y                                                                      | Enter <b>Yes</b> .                                                                                                                                                                                                                           |
| Enter the full path to the backup archive file                             | Example:<br>/export/home/PrimeNetworkBackUp _[10 digits number].tar.gz | Enter the location of the backup archive directory. The <b>rollback.pl</b> script does not delete the backup archive.                                                                                                                        |

The script reverts the gateway back to its earlier version.

**Step 10** Run the following command on all units:

```
network-conf
```

**Note**

If a unit fails after executing **network-conf**, do the following:

- a. For roll back to 3.8, copy the `~/Main/.ana` and `~/Main/.version` file from the location specified in [Step 5](#), back to `~/Main`.
- b. Copy `$ANAHOME/Main/registry/ConfigurationFiles/UNIT_IP/avm99.xml` file from the gateway to the corresponding unit (UNIT\_IP) to `$ANAHOME/Main/registry`. The UNIT\_IP should be of the form 0.0.0.1.
- c. Start the unit (**anactl start** (ANA 3.7.x) or **networkctl start** (3.8 onwards)) without running **network-conf** again.

- Step 11** If you have rolled back to 3.8, run **networkctl start** command to start the units or run **anactl start** command if you have rolled back to ANA 3.7.x.
- Step 12** Use Prime Network Administration(for 3.8) or ANA Manage (for 3.7.x) to reconnect standby units.

**Note**

For units behind NAT, remove the newly created unit from the gateway.

## Enabling the Network Discovery Feature for 3.8.1

You must perform the following steps after Cisco Prime Network installation or after an upgrade for the Network Discovery feature to work in Prime Network 3.8.1. For more details on the network discovery tool, see [Network Discovery, page 8](#).

- Step 1** Log in to the Prime Network gateway machine OS shell as the Prime Network user.
- Step 2** Change the user to be the super user.  
`su root`
- Step 3** Enter the super user password.  
`enter root password: XXXX`
- Step 4** Navigate to the scripts folder located under the home directory of the Prime Network user.  
`cd /export/home/network381/local/scripts`
- Step 5** Change to tcsh shell.  
`tcsh`
- Step 6** Execute the setFpingPermissions script.  
`./setFpingPermissions.tcsh`

The setFpingPermissions script is executed to ensure successful functioning of the network discovery tool and sets some permissions to the Fping utility. You will get a Fping permissions set successfully message if the utility is successfully executed. If you do not receive this message, please contact your Cisco account representative for assistance.

# New Features and Enhancements in Prime Network 3.8.1

The following topics describe the new features and enhancements in Prime Network 3.8.1:

- [Network Discovery](#), page 8
- [Find Mode vs. Automatic Data Retrieval in Prime Network Events](#), page 12
- [Change and Configuration Management Additional Device Support](#), page 13
- [E-Line Activation on 7600 WS Line Cards \(with Limitations\)](#), page 15

## Network Discovery

The network discovery tool allows administrator and configurator users to automatically discover the devices that exist in the network, and then to create a virtual Network Element (VNE) for each discovered device to be managed with Prime Network. Use of the network discovery tool significantly speeds up the process of importing your devices into Prime Network so that they can be managed.

Network discovery is supported on the following device operating systems: IOS, IOS-XR, IOS-XE, NX-OS, CATOS, JUNOS.

The Network Discovery workflow is as follows:

- 
- |               |                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Step 1</b> | Access the Network Discovery tool, as follows:<br><br>Choose <b>Tools &gt; Network Discovery</b> in Cisco Prime Network Administration.<br><br>or<br><br>Enter the following URL in your web browser:<br><br><code>https://gateway IP address:8043/prime-network-web/index.html#pageId=discovery_settings_page</code>                                                                                         |
| <b>Step 2</b> | Create a discovery profile. The profile includes all the discovery settings that will determine how the system locates, identifies, and communicates with the devices in the network. To do this, click <b>New</b> in the Discovery Profiles page. Your discovery profile is saved with a unique name so that it can be reused at a later stage. See <a href="#">Discovery Profiles</a> , page 8 for details. |
| <b>Step 3</b> | Start the network discovery by selecting the discovery profile and clicking <b>Run</b> .                                                                                                                                                                                                                                                                                                                      |
| <b>Step 4</b> | View the results of the network discovery, which indicate which devices were discovered and whether or not further credential information is required before creating VNEs. To do this, choose <b>Network Discovery &gt; Discovery Results</b> . See <a href="#">Network Discovery Results</a> , page 11 for details.                                                                                         |
| <b>Step 5</b> | Select the devices you want to manage with Prime Network and create VNEs for these devices.                                                                                                                                                                                                                                                                                                                   |
| <b>Step 6</b> | Monitor the status of the VNE creation in the Discovery Results tab or in Prime Network Administration.                                                                                                                                                                                                                                                                                                       |
- 

## Discovery Profiles

Before starting the network discovery process, you need to provide information that will allow the system to locate and discover the devices in your network and then to create a VNE for each discovered device. Your discovery settings are saved in a discovery profile. This discovery profile can be reused at a later stage so that you do not need to define new settings each time you perform network discovery.




When creating a discovery profile, you first specify the technique(s) to be used to discover the network. The most common discovery technique is Ping Sweep, which pings all the IP addresses in a specified subnet. You can choose a different discovery technique based on protocol data, depending on the protocols used in your network.

After specifying the discovery technique(s), you provide information that is required to create VNEs for the discovered devices, including the credentials that will be needed to connect to the devices, and the method the system should use to identify the management IP address.

Lastly, you have the option to define filters to include/exclude specific devices from the network discovery results. For example, you might have a subset of devices in the specified subnet that you do not want to manage, so you could filter these out of the results.

[Table 3](#) lists the parameters to be defined before initiating the discovery process.

**Table 3**                      **Discovery Profile Settings**

| Field               | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name                | A unique name for the discovery profile.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Discovery Technique | <p>The discovery technique to be used to discover the devices in the network. The most commonly used technique is Ping Sweep. Click on Techniques Based on Protocol Data to see the other discovery techniques. To select a discovery technique, click the plus icon next to the technique, check the Enable check box, and then enter the required information. You have the following options:</p> <ul style="list-style-type: none"> <li>• Ping Sweep—Enter the starting IP address and subnet mask to specify a range of IP addresses. The system will ping all the IP addresses in this range and will discover the devices from which it receives a reply.</li> <li>• Protocol Data Techniques (CDP, Router, Address Resolution, Border Gateway or OSPF)— Specify the seed device IP address and the number of hops away from the seed device the system should look for devices to discover.</li> </ul> <div>  <p><b>Note</b> You can specify multiple techniques in order to locate and discover the largest number of devices.</p> </div> |
| Credential Settings | Specifies the pool of credentials that the system can use to communicate with the devices during the VNE creation process. At minimum, you must specify SNMP v2/v3 credentials and Telnet/SSH credentials. The system will define a device as “Reachable” if the device is accessible using the defined credentials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**Table 3**      **Discovery Profile Settings**

| Field                          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Management IP Selection Method | <p>This setting tells Prime Network how to identify which of the device's IP addresses should be used as the management IP address:</p> <ul style="list-style-type: none"> <li>• Discovered IP—The IP address used to discover the device.</li> <li>• Loopback—The priority for selecting the IP address if Prime Network uses this as selection method is: <ul style="list-style-type: none"> <li>– Highest IP address of a loopback interface</li> <li>– Highest IP address of an Ethernet interface</li> <li>– Highest IP address of a Token Ring interface</li> <li>– Highest IP address of a Serial Interface</li> </ul> </li> <li>• System Name—Prime Network performs a DNS lookup on the system name specified and verifies the validity of the IP address of the device. On successful validation, the verified IP address becomes the preferred management IP address for this device. If validation was not successful, the original IP address used to discover the device will be the management IP address.</li> <li>• DNS Reverse Lookup—Prime Network performs a reverse DNS lookup followed by a forward lookup on the IP address specified and verifies the validity of the IP address of the network element. On successful validation, the verified IP address becomes the preferred management IP address for this network element, otherwise the original address will be used.</li> </ul> |
| Filters                        | <p>(Optional) Enables you to filter the results that are displayed for the discovery. The filters include:</p> <ul style="list-style-type: none"> <li>• System Location—Filter by physical/geographic location of the device (as specified in the SYSTEM-MIB). If your network devices are configured with the system location, you can use this filter option.</li> <li>• IP—Filter by IP address.</li> <li>• System Object ID—Filter by device type (as specified in the SYSTEM-MIB).</li> <li>• DNS Filter—Filter by domain name. The system resolves the name of the device from the DNS server and filters the results.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Network Discovery Results

The Network Discovery Results tab enables you to view the status and the results of the network discovery process. The table in the upper half of the Discovery Results tab lists all the network discovery jobs and provides summary information for each one. Select a network discovery job in the table to display full details of the network discovery results in the lower half of the page.

If a device is discovered in the network and deemed reachable, a VNE can be created for that device so that it can be managed in Prime Network. If a device has credential errors, you can change the credentials and run the discovery again. Alternatively, you can create that VNE manually in Prime Network Administration.

After VNEs are created for the discovered devices, the system automatically assigns them to AVMs.

### Discovery Jobs


Each time network discovery is initiated, a job is created. The Network Discovery Results table lists the discovery jobs and provides information and status for each one, as described in [Table 4](#).



#### Note







To see the latest status, please click the Refresh button to refresh the display.

**Table 4**      **Network Discovery Results Table**

| Field             | Description                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | Name provided by the system for the discovery job, derived from the discovery profile name plus a unique ID.                                                                                                                                                                                                                                                                                                              |
| Status            | <p>Status of the executed discovery. The status can be one of the following:</p> <ul style="list-style-type: none"> <li>Completed</li> <li>Running</li> <li>Stopped</li> <li>Aborted</li> </ul> <p> <b>Note</b> Icons next to the Name field provide an at-a-glance view of the discovery job status. See <a href="#">Table 5</a>.</p> |
| Start Time        | Start time of the network discovery job.                                                                                                                                                                                                                                                                                                                                                                                  |
| End Time          | End time of of the network discovery job.                                                                                                                                                                                                                                                                                                                                                                                 |
| Discovery Profile | Name of the discovery profile in which the discovery settings were defined.                                                                                                                                                                                                                                                                                                                                               |
| Reachable         | The number of discovered devices that are reachable and manageable using the specified credentials.                                                                                                                                                                                                                                                                                                                       |
| Filtered          | The number of devices that were filtered from the discovery results.                                                                                                                                                                                                                                                                                                                                                      |
| Credential Error  | The number of devices that were identified in the network but cannot be managed using the specified credentials.                                                                                                                                                                                                                                                                                                          |

The status of the network discovery is reflected in the icons displayed next to the job name, as described in [Table 5](#).

**Table 5**      **Discovery Job Status Icon Reference**

| Status    | Icon                                                                              | Description                                              |
|-----------|-----------------------------------------------------------------------------------|----------------------------------------------------------|
| Running   |  | The job is running and there are no credential errors.   |
|           |  | The job is running and there are credential errors.      |
| Completed |  | The job is completed and there are no credential errors. |
|           |  | The job is completed and there are credential errors.    |
| Stopped   |  | The job is stopped.                                      |
| Aborted   |  | The job is aborted.                                      |

**Detailed Discovery Results**

The detailed results are displayed in three tabs in the bottom half of the Discovery Results page:

- **Reachable**—Lists the devices detected in the network that can be reached and are available for management by Prime Network. For each device, you have the option to change the polling approach and/or the scheme before creating the VNE for that device.

To start the VNE creation process, select the required device(s) and click **Create VNEs**. You can monitor the status in the Status column:

- **Found**—The device has been discovered.
- **In Progress**—VNE creation process has started
- **Queued**—VNE has been created but has not yet been assigned to an AVM. These VNEs are listed in Prime Network Administration in the Queued VNEs tab under All Servers.
- **Naming Conflict**—A VNE with the same name already exists in the system.
- **IP Conflict**—A VNE with the same IP address already exists in the system.
- **Assigned**—The VNE has been created and assigned to an AVM.
- **Credential Errors**—Lists the devices detected in the network for which additional credential information is required before VNEs can be created.
- **Filtered**—Lists the devices that were filtered out of the discovery results.

## Find Mode vs. Automatic Data Retrieval in Prime Network Events

When Prime Network Events is opened, or when you switch between tabs in the application, the database is automatically queried to retrieve and display events. Depending on the volume of events, this can take some time. If you want to find specific events and you are not interested in browsing all the available

events, you can set Prime Network Events to operate in Find mode. In this mode, no events will be retrieved from the database when you open the application or switch between tabs, and you can click the Find button in the toolbar to search for the events you need.

To enable and use Find mode:

- 
- Step 1** In Prime Network Events, select **Tools > Options**.
- Step 2** Check the Find mode check box and click **OK**.
- The window will be cleared of events. The following text will appear under the events table: “Find mode (No automatic data retrieval).”
- Step 3** Click the Find button in the toolbar and define a query to display specific events.
- 

## Change and Configuration Management Additional Device Support

Change and Configuration Management provides support for the Cisco ASR 5000 series, Cisco ASR 901, and Cisco ASR 903 routers in Prime Network 3.8.1. The following topics describe the support information in detail:

- [Cisco ASR 5000 Series Device Support, page 13](#)
- [Cisco ASR 903 Device Support, page 14](#)

In addition, please note the following:

- Change and Configuration Management does not support special characters for any of the editable fields in the GUI, including filters. In the Configuration and Image Management Settings pages, Change and Configuration Management does not support the following special characters:
  - For Password fields—>, <, ', and "
  - For all other fields—‘, ~, @, #, \$, %, ^, &, \*, (, ), +, =, |, {, }, [, ], ', ?, >, <, and "
- For ACE cards on Cisco 7600 devices, Configuration Management supports only TFTP protocol for image baseline, backup, and restore operations.

## Cisco ASR 5000 Series Device Support

For Cisco ASR 5000 series devices, you can follow the same workflow as that of the Cisco IOS devices. The following enhancements or changes have been made in Change and Configuration Management for Cisco ASR 5000 series devices in Prime Network 3.8.1:

- The two types of configuration files for Cisco ASR 5000 series devices are: the running (current operating) configuration and the boot configuration. For a boot configuration file, the version of the archived configuration is always displayed as ‘1’ in the Archived Configurations page.
- The following processes are not applicable for the boot configuration files of Cisco ASR 5000 series devices:
  - Restoring a configuration from the archive to the device
  - Synchronization of out-of-sync devices
- The Device Properties window displays a priority list for the Cisco ASR 5000 series devices. The priority list displays various combinations of a configuration file and an image file in priority order for the device. This information is retrieved from the device configuration.

- Whenever a boot configuration file is backed up to the archive, Prime Network always overwrites the existing boot configuration in the archive.
- Prime Network allows restoring of running configuration only in 'merge' mode, by which if the running configuration version you selected is different from the existing running configuration on the device, then the existing running configuration will be merged with the configuration present in the version you selected from the archive.
- You can view the latest changes to the device configuration using the Configuration Change Logs page. However, Prime Network does not display the following information for Cisco ASR 5000 series devices:
  - Changed—Date and time when a change was made to the device.
  - User—Name of the user who made the change.
- In the Image Repository page, Prime Network displays only the Family and Size fields for Cisco ASR 5000 series devices. All other fields are displayed as UNKNOWN or N/A.
- For Cisco ASR 5000 series devices, you can activate a boot configuration file on the device in addition to an image. However, if a device is activated with a new configuration, which does not have the correct user credentials, a timeout error occurs during activation.
- In the activation workflow (by Images or Devices) and in the distribution and activation workflow (by Images or Devices), after selecting the device and required image(s), you must enter the boot configuration file in the **Enter Boot Config** page. The boot configuration value should always be passed as **flash:/asr.cfg**.
- For Cisco ASR 5000 series devices, Change and Configuration Management supports FTP mode for all configuration and image transfers. FTP username and password configuration in the device should be same as the device management username and password.
- The following features or functions are NOT supported for Cisco ASR 5000 series devices:
  - Clear Flash—Allows clearing the disk space on the storage location for distributing the image or package if there is insufficient memory.
  - Warm Upgrade—Provides the capability for a Cisco IOS image to read and decompress another Cisco IOS image and then transfer control to this new image.
  - Importing images from Cisco.com—Allows you to download images from Cisco.com and add them to the Prime Network image repository.

## Cisco ASR 903 Device Support

The following enhancements or changes have been made in Change and Configuration Management for the Cisco ASR 903 device in Prime Network 3.8.1:

- Prime Network allows restoring of running configuration only in 'merge' mode, by which if the running configuration version you selected is different from the existing running configuration on the device, then the existing running configuration will be merged with the configuration present in the version you selected from the archive.
- In the Image Repository page, Prime Network displays only the Family and Size fields for a Cisco ASR 903 device. All other fields are displayed as UNKNOWN or N/A.
- The Warm Upgrade feature, which provides the capability for a Cisco IOS image to read and decompress another Cisco IOS image and then transfer control to this new image, is not supported for a Cisco ASR 903 device.

## E-Line Activation on 7600 WS Line Cards (with Limitations)

Although the E-line point-to-point activations provided with Prime Network 3.8.1 are intended as reference configuration examples only, and not as production-ready activations, you might choose to use them in your network, at your own risk. If you do so, please be aware that these activations can be used on 7600 device ES line cards and the following WS line cards: WS-X6708-10GE, WS-X6748-GE-TX, WS-X6704-10GE, WS-X6724-SFP. Sub-interface configuration for the WS line cards uses the EFP ID with the following limitations:

- The Outer VLAN ID will be the dot1q encapsulation configured on the sub interface.
- Inner VLAN ID is not supported.
- VLAN preservation value must be "None" as VLAN manipulation is not supported on sub-interfaces, and VLAN mapping will not be supported.
- VLAN hub and multiple EFPs are not supported on WS cards (only on ES cards).
- Only ES cards are executed as part of E-LAN VPLS HUB and Multipoint EFPs for the 7600 device.



### Note

All of the activations (templates, scripts, and workflows) provided with Cisco Prime Network Activation are reference configuration examples to aid in customer implementation activities and to demonstrate the capability of Prime Network Activation. They are not intended to be production-ready activations of any Carrier Ethernet, IP RAN, or MPLS VPN configurations. The activations are expected to require customer-specific implementation extensions. Implementation extensions and modifications to the software product are not supported via Cisco Support Agreements. If you require assistance in extending these activations, please contact Cisco Advanced Services.

## New Device Support Information

Prime Network 3.8.1 incorporates all the device support additions that were provided in Prime Network 3.8.x Device Packages (DPs) 1 and 2. To get the latest VNE support, please download and install the latest Prime Network 3.8.x DP(s) from the [Prime Network download site](#) on Cisco.com.

For detailed information about new device support in Prime Network 3.8.1, please see [Addendum: Additional VNE Driver Support for Cisco Prime Network 3.8](#).

In addition, please note the following:

- Prime Network Change and Configuration supports the following network elements in this release:
  - Cisco ASR 901 network elements.
  - Cisco ASR 903 network elements.
  - Cisco ASR 5000 network elements.

## Open Bugs in Prime Network 3.8.1

The following sections identify bugs that are open in Prime Network 3.8.1, according to the following criteria:

- All catastrophic and severe bugs (if any).
- Moderate, minor and enhancement bugs that are considered likely to affect the customer's experience with Prime Network.

- Bugs that were fixed in previous releases of Prime Network but are still open in the current release because they were identified too late in the Prime Network 3.8.1 development cycle.

The open bugs have been grouped in the following categories:

- [Installation/Upgrade Bugs, page 16](#)
- [Device-Related Bugs, page 16](#)
- [Network Discovery Bugs, page 18](#)
- [Technology-Related Bugs, page 18](#)
- [Soft Properties Bugs, page 20](#)
- [Change and Configuration Management \(CCM\) Bugs, page 20](#)
- [Fault Management Bugs, page 20](#)
- [AVM/Unit/VNE Bugs, page 21](#)
- [VCB Bugs, page 21](#)
- [Bugs Resolved in Earlier Releases but Still Open in Prime Network 3.8.1, page 21](#)

## Installation/Upgrade Bugs

**Table 6** *Installation/Upgrade Bugs*

| Identifier                 | Title                                                                        |
|----------------------------|------------------------------------------------------------------------------|
| <a href="#">CSCua19004</a> | Unable to connect with GUI after upgrading from 3.7.1 to 3.8.1               |
| <a href="#">CSCtw82586</a> | Recommended Solaris patch update                                             |
| <a href="#">CSCtq83852</a> | User ana_xmp is removed and installation fails after second network-conf     |
| <a href="#">CSCtr11676</a> | After upgrade, AVM 11 starts with errors                                     |
| <a href="#">CSCtt41552</a> | Unit is not redefined after upgrade to Prime Network 3.8                     |
| <a href="#">CSCtx45445</a> | RHCS: Wrong version validation of rpm                                        |
| <a href="#">CSCtx54365</a> | After upgrading, running Prime Network scripts failed due to Class not found |
| <a href="#">CSCty36682</a> | Unit becomes unreachable after installation                                  |

## Device-Related Bugs

**Table 7** *Device-Related Bugs*

| Identifier                 | Title                                                                    |
|----------------------------|--------------------------------------------------------------------------|
| <a href="#">CSCty28617</a> | Warning message about incompatible drivers when installing Cisco-Others  |
| <a href="#">CSCto31096</a> | High CPU utilization on ASR 9000 device                                  |
| <a href="#">CSCtr95939</a> | CSC PathTrace fails                                                      |
| <a href="#">CSCtr98822</a> | ASR5K-InterfaceTable-Input access list,Output access list+desc are blank |
| <a href="#">CSCts17077</a> | Duplicate ports displayed on module                                      |
| <a href="#">CSCts48120</a> | MPLS LDP session up trap is not correlated to Link up ticket             |



**Table 7**      **Device-Related Bugs**

| Identifier                 | Title                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------------|
| <a href="#">CSCts55761</a> | VLAN IP interface down not correlated to card down                                        |
| <a href="#">CSCtu70278</a> | Poll now does not update Clock, PTP on reduced polling VNE                                |
| <a href="#">CSCtu95760</a> | Syslog "L2-SONET_LOCAL-4-ALARM: SONET0/1/2/0: LAIS" not supported                         |
| <a href="#">CSCtw51495</a> | Exception upon executing preview for "AddHostName Script" on ASR901                       |
| <a href="#">CSCtw61690</a> | LSP end points role oper state of neighbor device not changed to 'DOWN'                   |
| <a href="#">CSCtw64033</a> | MPLS-TP Tunnel Endpoints Oper status of neighbor device not showing 'Up'                  |
| <a href="#">CSCtw79231</a> | EFP updates are not reflected immediately on ASR903 using Poll Now                        |
| <a href="#">CSCtw95044</a> | Bridges on Cisco ASR5000 device are not modeled                                           |
| <a href="#">CSCtx19245</a> | Some activation scripts are not working for Nexus 7000 device                             |
| <a href="#">CSCtx02470</a> | Some activation scripts are not working for Nexus 5010 device                             |
| <a href="#">CSCtx29511</a> | Configuration changes are not updated on XR VNE with reduced polling                      |
| <a href="#">CSCtx48077</a> | VDC level Interface Scripts are failing in Nexus 7K                                       |
| <a href="#">CSCtx67427</a> | Configuration change not updated for channelized controllers                              |
| <a href="#">CSCtx86760</a> | Wrong pluggable transceiver out tickets on GSR 12k IOX                                    |
| <a href="#">CSCtx87344</a> | 7600: Channelization is not modeled on CHOC12 or 48 card                                  |
| <a href="#">CSCtx90642</a> | MWR2900: VNE fails associate transceiver cefc FRU trap wt port connector                  |
| <a href="#">CSCtx93011</a> | EFPs are not modeled correctly                                                            |
| <a href="#">CSCtx94475</a> | Not all of the configured timeslots on ds0 are displayed                                  |
| <a href="#">CSCty10686</a> | Container status is Unknown on Fan & PWR modules                                          |
| <a href="#">CSCty17058</a> | Reduced polling VNE - "no switchport" is not supported                                    |
| <a href="#">CSCty18359</a> | ASR 5K Image distribution fails when password has special characters                      |
| <a href="#">CSCty19685</a> | Shutting down a VRRP interface moves the CRS VNE to unreachable state                     |
| <a href="#">CSCty16496</a> | 7600: STS3 or STS12 paths not modeled on OC12 or OC48 interfaces                          |
| <a href="#">CSCtx67165</a> | Some entries are missing in IPInterface table for Ethernet port                           |
| <a href="#">CSCtw96596</a> | Cold Start Trap appears twice in the ENS selection window                                 |
| <a href="#">CSCtx76206</a> | Bridges are not modeled in ASR903                                                         |
| <a href="#">CSCtg54230</a> | ATM IMA cards do not populate Loopback, Framing, or Scrambling values                     |
| <a href="#">CSCth01054</a> | Cisco 3750g fiber optic ports are modeled as RJ45 ports                                   |
| <a href="#">CSCtj19233</a> | Cisco RSP 720 removal redundancy state ticket is issued only after reinsertion.           |
| <a href="#">CSCtj92252</a> | VNE restarts due to software version change                                               |
| <a href="#">CSCtr47998</a> | After reloading a Cisco 7600 device, all related IP interface down events are not cleared |
| <a href="#">CSCtl12886</a> | Cisco ASR 9000 series power supply redundancy state and configured value are None         |
| <a href="#">CSCts79008</a> | Memory usage information is missing in Nexus5K                                            |
| <a href="#">CSCtq36525</a> | Wrong PID shown for transceiver/SFP modules for Nexus 7000 device                         |

**Table 7**      **Device-Related Bugs**

| Identifier                 | Title                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------|
| <a href="#">CSCty88281</a> | Configuring the VPLS E-LAN activation on Cisco 7600 device fails if VFI is not existing. |
| <a href="#">CSCty88309</a> | Network Activation script failed to create E-LAN VPLS neighbor on Cisco ASR9000 device.  |
| <a href="#">CSCty87987</a> | Network Activation will not work without removing the timestamp on Cisco ASR9000 device. |

## Network Discovery Bugs

**Table 8**      **Network Discovery Bugs**

| Identifier                 | Title                                                                    |
|----------------------------|--------------------------------------------------------------------------|
| <a href="#">CSCty32744</a> | User cannot add snmpv2 row to any job after editing credentials of 1 job |
| <a href="#">CSCtw96705</a> | Top navigation tool bar disappears                                       |
| <a href="#">CSCty35489</a> | Unable to create telnet credential without user name                     |

## Technology-Related Bugs

**Table 9**      **Technology-Related Bugs**

| Identifier                 | Title                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">CSCts07862</a> | DS0 bundle and BGP vrf tickets not correlated to Sonet interface down                                                            |
| <a href="#">CSCtu12098</a> | Missing VPN links after moving VNE                                                                                               |
| <a href="#">CSCtu14594</a> | Unit servers at 100% cpu due to XBgpRouterIDAdvertiseMsg message flood                                                           |
| <a href="#">CSCts33148</a> | Fake links between ATM ports although flag 'topology/atm/enabled' false                                                          |
| <a href="#">CSCtt44445</a> | Ethernet counters test disconnects links                                                                                         |
| <a href="#">CSCtx58626</a> | STP model creates fake physical link between two routers                                                                         |
| <a href="#">CSCtn63353</a> | BFD and BGP events are not correlated to Bundle Interface Up/Down tickets                                                        |
| <a href="#">CSCty48255</a> | Subinterfaces under lag and ports sometimes deleted                                                                              |
| <a href="#">CSCty48323</a> | BGP link is not discovered                                                                                                       |
| <a href="#">CSCtu15976</a> | Pathtrace that should pass from a VLAN interface to a bridge stops at the VLAN interface                                         |
| <a href="#">CSCtu15772</a> | Some VPNs are not deleted after deleting relevant VNEs                                                                           |
| <a href="#">CSCtu08449</a> | PW and L2 tunnel down traps are not correlated to an EFP down ticket                                                             |
| <a href="#">CSCtt98442</a> | Some edge EFPs are associated to 2 VLANs, one of which is invalid                                                                |
| <a href="#">CSCtt39828</a> | LAG link is not rediscovered after making changes to VNEs                                                                        |
| <a href="#">CSCts59855</a> | Ethernet flow points inside a network VLAN are incorrectly calculated as VLAN edges even though they are connected to each other |

**Table 9**      **Technology-Related Bugs**

| Identifier                 | Title                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">CSCts45734</a> | In VLAN view, a path trace that ends on a LAG port does not run                                                                                                     |
| <a href="#">CSCts39840</a> | BGP Neighbor Loss syslog is not correlated to Device Unreachable ticket                                                                                             |
| <a href="#">CSCts15541</a> | Tickets generated for link down and LAG link down alarms on an unreachable device do not correlate                                                                  |
| <a href="#">CSCtr83226</a> | Terminating Ethernet flow points under a switching entity that are not connected to another Ethernet flow point in the same NetworkVlan are not recognized as edges |
| <a href="#">CSCtr81979</a> | OSPF neighbor down event may not correlate to link down or interface status down event                                                                              |
| <a href="#">CSCtr77298</a> | Duplicate switching entities are created after deleting and then recreating a VLAN                                                                                  |
| <a href="#">CSCto13384</a> | AVM 11 stops after continuous Find EVC by Name operations                                                                                                           |
| <a href="#">CSCtn76375</a> | Trunk service link is disconnected after configuring a static VLAN mapping that includes an inner VLAN tag                                                          |
| <a href="#">CSCto75365</a> | BFD links are not removed from the GUI after clearing a BFD connectivity down ticket                                                                                |
| <a href="#">CSCts63063</a> | ISIS neighbor data is not created for both IPv4 and IPv6 address families                                                                                           |
| <a href="#">CSCts40361</a> | Duplicate MPLS-TP network service objects are not automatically removed                                                                                             |
| <a href="#">CSCto82042</a> | After a P2MP tunnel's status changes from Up to Down, the change is not reflected in Prime Network                                                                  |
| <a href="#">CSCts82544</a> | Some OSPF interfaces and neighbors are not modeled for CRS device                                                                                                   |
| <a href="#">CSCts63874</a> | Incorrect BDF links might be discovered for a BDF configuration that has 2 of the same source IP addresses with different destinations                              |
| <a href="#">CSCtk65010</a> | Wrong serial connection through CDP in MLPPP technology                                                                                                             |
| <a href="#">CSCts01836</a> | Modification of destination and source port not reflected in Prime Network                                                                                          |
| <a href="#">CSCtr37523</a> | Links table may display links which have no context but are not marked as external                                                                                  |
| <a href="#">CSCtj30236</a> | LAG link is not rediscovered after clearing and removing the ticket                                                                                                 |
| <a href="#">CSCtj03925</a> | Physical and Ethernet links disappear after moving and restarting AVM                                                                                               |
| <a href="#">CSCth30478</a> | Error messages sometimes appear when trying to connect devices that were once connected to the cloud and later removed back to the cloud                            |
| <a href="#">CSCtt44288</a> | BGP does not model in Prime Network if the BGP AS number contains a dot                                                                                             |
| <a href="#">CSCtr69267</a> | Extra EVCs are created for network VLANs whose bridge domain (that contains a terminating Ethernet flow point) is not recognized                                    |

## Soft Properties Bugs

**Table 10** *Soft Properties Bugs*

| Identifier                 | Title                                                                           |
|----------------------------|---------------------------------------------------------------------------------|
| <a href="#">CSCtx59562</a> | Export/Import of SNMP table SoftProperties doesn't work                         |
| <a href="#">CSCts15613</a> | LSE and MPLS soft properties added to a VNE are not visible in Inventory window |

## Change and Configuration Management (CCM) Bugs

**Table 11** *CCM Bugs*

| Identifier                 | Title                                                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">CSCtx79524</a> | CCM operations will fail on IPv4/IPv6 dual stack setup                                                                                 |
| <a href="#">CSCtr42741</a> | In Admin mode, Prime Network Change and Configuration Management may copy the running configuration instead of the admin configuration |
| <a href="#">CSCtq61849</a> | Activating Image Command Builder script fails                                                                                          |
| <a href="#">CSCto02471</a> | Gateway CPU consumption reaches 100% during Config backup of 10,000 VNEs                                                               |

## Fault Management Bugs

**Table 12** *Fault Management Bugs*

| Identifier                 | Title                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <a href="#">CSCtx87994</a> | ENS: Incorrect alarms mapped to alarm-type 651                                                                          |
| <a href="#">CSCty24297</a> | Detailed Traps report on Event Vision doesn't show the real device ip                                                   |
| <a href="#">CSCtq94497</a> | Multiple “Active IP interfaces found” events returned after shutting down an interface                                  |
| <a href="#">CSCtl08357</a> | Event handling issues occur 25 minutes after system cold restart                                                        |
| <a href="#">CSCth36256</a> | Cisco Prime Network generates two separate link down events when a port is disconnected and connected a few times       |
| <a href="#">CSCtg96406</a> | Tickets that contain alarm severities of both Cleared and Information have a severity of Cleared instead of Information |
| <a href="#">CSCsz61942</a> | If you right-click a link in the VPN map view and choose Filter Ticket, no results are displayed                        |
| <a href="#">CSCtl47169</a> | Syslog ENVMON-OVERTEMP-2 is not processed by Prime Network                                                              |
| <a href="#">CSCtx28435</a> | Internal process-to-process messages are dropped by Prime Network                                                       |

## AVM/Unit/VNE Bugs

**Table 13** *AVM/VNE Bugs*

| Identifier                 | Title                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------------|
| <a href="#">CSCua00824</a> | ClassCastException in AVM log for VNE referencing ifHighSpeed OID                              |
| <a href="#">CSCtz36312</a> | Incorrect command to enable VNE Staggering mechanism                                           |
| <a href="#">CSCtx52584</a> | AVM with VNE is restarted by AVM99 due to an Out Of Memory                                     |
| <a href="#">CSCty42565</a> | NAT unit seen as regular if other device answers with same private ip                          |
| <a href="#">CSCty42129</a> | Fail to copy VNE persistency files from an IPv4 unit to an IPv6 gateway while moving AVMs/VNEs |
| <a href="#">CSCtl23101</a> | Moving AVMs operation fails; not all AVMs are moved between units                              |
| <a href="#">CSCti93564</a> | Cannot start new AVM 100 on unit when unit with old AVM 100 is down                            |
| <a href="#">CSCth22846</a> | Proxy for AVM 25 does not work in high availability (HA) scenarios                             |

## VCB Bugs

**Table 14** *VCB Bugs*

| Identifier                 | Title                                                       |
|----------------------------|-------------------------------------------------------------|
| <a href="#">CSCty90696</a> | Cross launch of VCB from Manage in Suite mode does not work |

## Bugs Resolved in Earlier Releases but Still Open in Prime Network 3.8.1

The bugs listed in [Table 15](#) were identified too late in the Prime Network 3.8.1 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 15** *Bugs Resolved in Earlier Releases but Still Open in Prime Network 3.8.1*

| Identifier                 | Title                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">CSCtr30287</a> | Port down ticket is not cleared after the port is up                                                                         |
| <a href="#">CSCtr35459</a> | Cannot create a command with Command Builder on selection of a row in Sub Interface table (Physical interface inventory)     |
| <a href="#">CSCtq04992</a> | Free memory on the unit decreases over time.                                                                                 |
| <a href="#">CSCto42504</a> | In OSPF Neighbor for cases like Bundle-Ether Interface name - OSPF Neighbor down alarms do not correlate to Link down on IOX |
| <a href="#">CSCts07862</a> | DS0 bundle and BGP vrf tickets not correlated to Sonet interface down                                                        |
| <a href="#">CSCts96142</a> | AVM 11 does not process any links for 15 min                                                                                 |
| <a href="#">CSCtw62838</a> | PP version is missing in Prime Network GUI (Help -> About)                                                                   |

**Table 15**      ***Bugs Resolved in Earlier Releases but Still Open in Prime Network 3.8.1***

| Identifier                 | Title                                                                               |
|----------------------------|-------------------------------------------------------------------------------------|
| <a href="#">CSCtr94015</a> | Need to support a new Product type as "Packet Microwave" for the DragonWave devices |
| <a href="#">CSCtu18795</a> | Soft property is not shown as a hyperlink                                           |

# Resolved Bugs

Table 16 identifies bugs that were listed as open bugs in the Prime Network 3.8 release notes and have since been resolved.

**Table 16** *Resolved Bugs in Cisco Prime Network 3.8.1*

| Identifier                                                                  | Title                                                                                                                                        |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">CSCtl87991</a>                                                  | cefc FRU Inserted alarm is not shown in Prime Network Events                                                                                 |
| <a href="#">CSCtr95905</a>                                                  | In gateway server high availability setups, the standby database might stop applying redo and thus not synchronize with the primary database |
| <a href="#">CSCtt01448</a>                                                  | Adding or editing a user-defined VNE by software version without selecting a scheme results in a null-pointer exception                      |
| <a href="#">CSCtu41821</a>                                                  | VNE enters and stays in Currently Unsynchronized state                                                                                       |
| <a href="#">CSCtr41020</a><br>(duplicate of<br><a href="#">CSCtt99335</a> ) | Command Builder not working for CPT device                                                                                                   |
| <a href="#">CSCtt46945</a>                                                  | Interface table not modeled for bridges on Nexus 7000 device                                                                                 |
| <a href="#">CSCtt43304</a>                                                  | Inside and Outside VRF details are not modeled for a NAT 44 instance                                                                         |
| <a href="#">CSCtt41323</a>                                                  | Importing images to the repository fails for C3750, C7200, C3560, and ME340X series devices                                                  |
| <a href="#">CSCts10451</a>                                                  | "Ticket is in use" error occurs after running Remove command on a ticket                                                                     |
| <a href="#">CSCtk10574</a>                                                  | No IS-IS Neighbor tab for Cisco 7600 devices                                                                                                 |
| <a href="#">CSCtl71330</a>                                                  | Independent VNE installer: checks if the driver was already updated                                                                          |
| <a href="#">CSCth96692</a>                                                  | Cisco ANA 3.7.1 Upgrade: After upgrade, deleting old ANA user results in exception                                                           |
| <a href="#">CSCtt96125</a>                                                  | Catalyst 4503 device is not modeled in GUI                                                                                                   |
| <a href="#">CSCth58175</a>                                                  | Cisco ASR 9000 devices: OSPF processes do not show serial interfaces in GUI                                                                  |
| <a href="#">CSCtj32671</a>                                                  | Port 162 appears to be occupied when IP address contains "162"                                                                               |
| <a href="#">CSCtt10154</a>                                                  | VNEs reach Operational state before physical inventory is populated                                                                          |
| <a href="#">CSCtl12761</a>                                                  | Fix upgrade.pl warning for uninitialized value                                                                                               |
| <a href="#">CSCtk95452</a>                                                  | Migration: <b>anactl start</b> halts after upgrade step fails                                                                                |
| <a href="#">CSCtk67684</a>                                                  | Pseudowire tunnel container is removed when all tunnels are removed                                                                          |
| <a href="#">CSCtk57982</a>                                                  | Soft Property command in debug takes too long                                                                                                |
| <a href="#">CSCtl07781</a>                                                  | Yes or no questions during the embedded database installation accept incorrect input                                                         |
| <a href="#">CSCtl03963</a>                                                  | Embedded database: Path for destination cannot contain underscore (_) or dash (-)                                                            |
| <a href="#">CSCtk95873</a>                                                  | Discovery protocol disappears from NetworkVision physical inventory after a change                                                           |
| <a href="#">CSCtj97320</a>                                                  | OSPFv3 Routing Neighbor Down syslog on Cisco IOS XR does not correlate to OSPF interface                                                     |
| <a href="#">CSCtl22749</a>                                                  | VNE flapping due to time synchronization issue                                                                                               |

**Table 16** *Resolved Bugs in Cisco Prime Network 3.8.1 (continued)*

| Identifier                 | Title                                                                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">CSCtl76285</a> | In a local installation, embedded database installation files are not validated                                                 |
| <a href="#">CSCtn20251</a> | <b>ana-conf</b> asks twice for remote Oracle machine information                                                                |
| <a href="#">CSCtn10145</a> | <b>emdbctl -restore</b> script does not accept environmental variables as input                                                 |
| <a href="#">CSCtn05357</a> | <b>emdbctl -restore</b> command fails                                                                                           |
| <a href="#">CSCti05580</a> | BFD with registered protocols of OSPF and BGP link topology not discovered                                                      |
| <a href="#">CSCtn29290</a> | Opening ticket properties with a large number of correlated events times out                                                    |
| <a href="#">CSCtb54145</a> | Redundant Martini tunnel status is not updated                                                                                  |
| <a href="#">CSCtq26697</a> | Missing VPN links on MPLS setup with IPv6 configuration                                                                         |
| <a href="#">CSCtk68092</a> | Layer 2 tunnel down alarm is not generated if a neighbor or cross-connect is removed                                            |
| <a href="#">CSCte63920</a> | Creating a cross-connect in an ATM cloud takes a long time                                                                      |
| <a href="#">CSCtr06712</a> | VNE was detected as being unsupported and continued to run even though the agent was not already loaded                         |
| <a href="#">CSCtg57041</a> | Using Filter in EventVision for large table of Syslog                                                                           |
| <a href="#">CSCtq06756</a> | Duplicate BGP Link Down Due to Oper generated by Cisco ANA                                                                      |
| <a href="#">CSCtn49323</a> | High Availability: Problem with multicast address                                                                               |
| <a href="#">CSCtk64981</a> | The TFS <b>update</b> command does not have a validateRequest method                                                            |
| <a href="#">CSCtj77809</a> | BGP Neighbor Down VRF syslog not correlated to BGP Link Down VRF due to Admin ticket                                            |
| <a href="#">CSCtn70728</a> | SCP backup failure caused by authorization                                                                                      |
| <a href="#">CSCtl08804</a> | Incorrect behavior for backup directory when running restore                                                                    |
| <a href="#">CSCtq04481</a> | High Availability: NTP servers are not synchronized                                                                             |
| <a href="#">CSCto16849</a> | Duplicate Link Down on Unreachable tickets in card down scenario                                                                |
| <a href="#">CSCts10091</a> | SIP400 card down ticket on Cisco 7606S device creates separate card out ticket for its subslot SPAs                             |
| <a href="#">CSCtl74253</a> | NetworkVision issues an Insufficient Memory error and closes in large scale setup                                               |
| <a href="#">CSCts78869</a> | Unable to establish SSH connection after running Stop/Resume replication command                                                |
| <a href="#">CSCts90609</a> | Setup replication script does not stop Prime Network on the gateway server high availability node                               |
| <a href="#">CSCtr59244</a> | Launching the gateway will take around 15 minutes when the gateway is started for the first time after installing Prime Network |
| <a href="#">CSCtq34912</a> | Cannot open the Shell from the default GUI menu                                                                                 |
| <a href="#">CSCtq33136</a> | Migration: Restore database fails to start gateway                                                                              |
| <a href="#">CSCtl56075</a> | FRR Unprotected trap not correlated to Link Down alarm                                                                          |
| <a href="#">CSCto67825</a> | VSI presentation in inventory is not updated with pseudowires                                                                   |
| <a href="#">CSCts60990</a> | Moving a VNE to another AVM and then back causes some BGP and VPN links to disappear                                            |



**Table 16** *Resolved Bugs in Cisco Prime Network 3.8.1 (continued)*

| Identifier                 | Title                                                                                                                     |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <a href="#">CSCtj61896</a> | Running images are not recognized                                                                                         |
| <a href="#">CSCti25818</a> | BGP State Change trap is not processed if source peer is from the VPN IPv6 table                                          |
| <a href="#">CSCtn04519</a> | Power supply modules for Cisco CRS 8-slot devices running Cisco IOS XR software appear as individual slots on the chassis |
| <a href="#">CSCto10818</a> | MAC address not modified in GUI for Ether bundle on Cisco IOS XR 12000                                                    |
| <a href="#">CSCto67407</a> | Add TE-Tunnel Rerouted or Reoptimized syslog and trap flow                                                                |
| <a href="#">CSCti92858</a> | Correct the mapping of RTM group number for non-Cisco devices                                                             |
| <a href="#">CSCtn57568</a> | Monitoring and archiving dangling events and auto-clearing old tickets                                                    |
| <a href="#">CSCti00393</a> | Some 10GigabitEthernet port location information is marked as Unknown                                                     |
| <a href="#">CSCtu23875</a> | Image distribution fails while data transfers from external location to device                                            |
| <a href="#">CSCtu11656</a> | SNMP Link Down/Up ticket associated with wrong interface                                                                  |
| <a href="#">CSCtu00707</a> | Port Security properties for Cisco ME 3400 device are not populated                                                       |
| <a href="#">CSCtt46925</a> | VC table and cross connect information not modeled for ATM port on Cisco 7600 device                                      |
| <a href="#">CSCtt46916</a> | OSPFv3 neighbors are not modeled for Nexus 7000 device                                                                    |
| <a href="#">CSCts75628</a> | CDP neighbors detail command does not list all IPv4 and IPv6 entries on IOS XR platform                                   |

## Closed Bugs

Table 17 identifies bugs that were listed as open bugs in the Prime Network 3.8 release notes and have since been closed.

**Table 17** *Closed Bugs in Cisco Prime Network 3.8.1*

| Identifier                 | Title                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------------|
| <a href="#">CSCtr59590</a> | ELAN VPLS HUB script fails to run because of missing command                                  |
| <a href="#">CSCtq87812</a> | Redundant link down ticket issued                                                             |
| <a href="#">CSCtn77815</a> | NSA: Attach Bandwidth Profile script fails-Cisco ME3800                                       |
| <a href="#">CSCti79028</a> | CCO credentials are passed in clear text through internet                                     |
| <a href="#">CSCth17529</a> | Business Element Not Found error when trying to add an EVC to a map                           |
| <a href="#">CSCts74887</a> | MPLS LDP does not support IPv6-only interfaces on IOS XR platform                             |
| <a href="#">CSCts23284</a> | VLAN interfaces on Catalyst WS-C4948 devices are not modeled properly                         |
| <a href="#">CSCtr56846</a> | Investigation State for a device does not match its Communication State                       |
| <a href="#">CSCtq61427</a> | Some of the registrations fail in the LCM report and return the "Error Unrecoverable" message |

## Related Documentation

The following documentation is available for Cisco Prime Network 3.8.1:

- [Open Source Used in Cisco Prime Network, 3.8.1](#)
- [Cisco Prime Network 3.8.1 Release Notes](#) (this document)

The content of the following Prime Network 3.8 guides is still applicable to Prime Network 3.8.1:

- [Cisco Prime Network 3.8 Administrator Guide](#)
- [Cisco Prime Network 3.8 Customization User Guide](#)
- [Cisco Prime Network 3.8 Device Package Third-Party VNE Reference Guide](#)
- [Cisco Prime Network 3.8 Documentation Guide](#)
- [Cisco Prime Network 3.8 Installation Guide](#)
- [Cisco Prime Network 3.8 Quick Start Guide](#)
- [Cisco Prime Network 3.8 Reference Guide](#)
- [Cisco Prime Network 3.8 User Guide](#)
- [Cisco Prime Network 3.8 Change and Configuration Management User and Administration Guide](#)

[Cisco Prime Network 3.8 Integration Developer Guide](#) is available on the Prime Network Technology Center. This guide describes how to use Prime Network integration interfaces.

The Prime Network Technology Center is an online resource for additional downloadable Prime Network support content, including help for integration developers who use Prime Network application programming interfaces (APIs). The website provides information, guidance, and examples to help you integrate your applications with Prime Network. It also provides a platform for you to interact with subject matter experts. To view the information on 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>.

## 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 a Really Simple Syndication (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.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: [www.cisco.com/go/trademarks](http://www.cisco.com/go/trademarks). Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

Any Internet Protocol (IP) addresses and phone numbers used in this document are not intended to be actual addresses and phone numbers. Any examples, command display output, network topology diagrams, and other figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses or phone numbers in illustrative content is unintentional and coincidental.

© 2012 Cisco Systems, Inc. All rights reserved.