



Cisco Prime Network 3.8 Release Notes

Revised: June 5, 2012, OL-24640-01

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Release Note Revisions

Table 1 describes information that has been added or changed since the initial release of the Prime Network 3.8 Release Notes.

Table 1 **Added/Changed Information in This Document**

Date	Revision	Location
June 5, 2012	Added the following open caveat: CSCua00824—ClassCastException in AVM log for VNE referencing ifHighSpeed OID.	Open Caveats in Prime Network 3.x, page 34
April 26, 2012	Added the following open caveat: CSCtw82586—Recommended Solaris patch update.	
April 23, 2012	Added the following open caveat: CSCtz36312—Incorrect command to enable VNE Staggering mechanism.	
April 19, 2012	Added the following open caveat: CSCtz18645—Web server failed to startup after performing switchover or failover.	
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. 	
March 27, 2012	Added the following open caveats: <ul style="list-style-type: none"> • CSCty90696—Cross launch of VCB from Manage in Suite mode does not work. • CSCty36682—Unit becomes unreachable after installation. 	
March 13, 2012	Added the following open caveat: CSCtx00494—Upgrade failure when upgrading from ANA 3.7.3 to Cisco Prime Network 3.8 in the Red Hat high availability environment.	

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

Date	Revision	Location
March 9, 2012	Added the following open caveat: CSCty43063—Upgrade to Cisco ANA 3.7.3 SP1 PP3 or later forces the user to recheck the Event Notification Service (ENS) entries for System and Trap event types.	Open Caveats in Prime Network 3.x, page 34
January 26, 2012	Added the following open caveat: CSCtx54365—After upgrading done running ana scripts failed due to Class not found	

Introduction

Cisco Prime Network 3.8 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 and as a fully integrated component of the Cisco Prime Central suite for customers needing end-to-end network management lifecycle capabilities.

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

- Prime Network Vision—Used to visualize the network through network and service maps, and to view device physical and logical inventories and connectivity. Prime Network Vision is also used to launch other clients and tools, such as Prime Network Change and Configuration Management, Activation, Command Builder, and Soft Properties.
- Prime Network Events—Used to browse historical events archived by Prime Network.
- Prime Network Administration—Used to manage the Prime Network platform.

The names of the clients have changed since the last release (Cisco ANA 3.7.3). The following table provides the mapping between the Prime Network 3.8 GUI clients and the Cisco ANA 3.7.x GUI clients.

Prime Network GUI Client Name	Cisco ANA GUI Client Name
Vision: <ul style="list-style-type: none"> • Soft Properties • Command Builder • Change and Configuration Management • Network Activation 	Network Vision: <ul style="list-style-type: none"> • Soft Properties • Command Builder • Configuration and Image Management • Network Service Activation (NSA)
Workflow	Workflow Editor
Events	Event Vision
Administration	Manage
Network Activation Wizard Builder	Network Service Activation Wizard Builder
Monitoring	Graphs Tool/Monitoring Tool

Important Notes

This section includes the following topics:

- [Installation Notes, page 4](#)
- [ITU-T Recommendations, page 5](#)
- [JDK DST Timezone Update Tool for Prime Network, page 6](#)
- [Workflow Changes – BQL Task Output, page 6](#)
- [Logging into the Prime Central Portal, page 6](#)
- [Installing an Embedded Database on a Remote IPv6 Server, page 7](#)

Installation Notes

Note the following before installing Prime Network 3.8.

- One of the Oracle versions shown in [Table 2](#) must be installed with the Oracle JVM and partitioning options:

Table 2 Supported Oracle Versions and Required Patches

Oracle Version	Required Solaris Patches	Required Linux Patches
Oracle 10g Enterprise Edition Release 10.2.0.3.0 or later	p6025805_10203_SOLARIS64.zip	p6025805_10203_Linux-x86-64.zip
Oracle 11g Enterprise Edition Release 11.1.0.7.0	p8982191_11107_Solaris-64.zip	p8332021_111070_Linux-x86-64.zip
	p8332021_11107_Solaris-64.zip	
Oracle 11g Enterprise Edition Release 11.2.0.1.0 or later	p9259407_112010_SOLARIS64.zip	p9259407_112010_Linux-x86-64.zip
	p8332021_112010_SOLARIS64.zip	p8332021_112010_Linux-x86-64.zip

- Clients communicate with the gateway; therefore, IP connectivity is required between the clients and the gateway. The Prime Network Events client also requires IP connectivity to the database. Prime Network Events is the only client application that communicates directly with the database.
- While Prime Network 3.8 supports IPv6, there are requirements you should be aware of before installation. See “Installing Cisco Prime Network in IPv4 and IPv6 Environments” in the Prime Network 3.8 installation guide for information.
- For Windows 7 installations only, we recommend that you do not install the Prime Network GUI clients in the Program Files folder. Only Windows Administrators can run the GUI clients if they are installed in that folder.
- Prime Network uses the Solaris services and components. You must not remove them. For more information, see the [Cisco Prime Network 3.8 Installation Guide](#).
- In Prime Network, the clocks on the gateway and units must be synchronized. If Oracle is running on a separate workstation, that remote database workstation's clock must be synchronized with the gateway and unit clocks.

The time set on the clocks of all units in the setup is the same. The maximum difference allowed between the different clocks is 4 minutes.



Note Changing the gateway clock while the system is running will significantly impact Prime Network performance.

- Oracle recommends that you install the Linux operating system with the default software packages (RPMs). Do not customize the RPMs during installation. The following packages are required for the Oracle 11g R2 database:

binutils	ksh
compat-libstdc++-33-3.2.3	libaio
elfutils-libelf	libaio-devel
elfutils-libelf-devel	libgcc-4.1.2
gcc-4.1.2	libstdc++
gcc-c++-4.1.2	libstdc++-devel
glibc-2.5	make
glibc-common-2.5	numactl-devel
glibc-devel-2.5	sysstat-7.0.2
glibc-headers-2.5	



Note If any of the preceding packages are missing, the installation fails.

To verify that you have the required Linux version, enter:

```
# cat /etc/redhat-release
```

In the command output, you should see:

```
Red Hat Enterprise Linux Server release 5.3 Beta (Tikanga)
```

To verify that all required RPMs are installed, enter the following command as the root user:

```
rpm -q binutils compat-libstdc++-33-3.2.3 elfutils-libelf elfutils-libelf-devel
gcc-4.1.2 gcc-c++-4.1.2 glibc glibc-common glibc-devel glibc-headers ksh libaio
libaio-devel libgcc-4.1.2 libstdc++ libstdc++-devel make numactl-devel sysstat-7.0.2
--qf '%{name}.*{%arch}\n' | sort
```

The installed RPMs are displayed. Compare the output with the list of RPMs above. If any are missing, install them following the procedures in the Red Hat documentation.

ITU-T Recommendations

Prime Network's functionality and network models are derived from the following ITU Telecommunication Standardization Sector (ITU-T) Recommendations:

- M.3010 (02/00): Principles for a Telecommunications Management
- M.3013(02/00): Considerations for a Telecommunications Management
- M3020 (02/00): TMN Interface Specification Methodology

- M.3400 (02/00): TMN Management Functions
- M.3200: TMN Management Services and Telecommunications Managed Areas

JDK DST Timezone Update Tool for Prime Network

Prime Network comes with Java Development Kit (JDK) 1.6.0_14. It is possible that the daylight saving time (DST) at your location has changed since JDK 1.6.0_14 was released. If this applies to you, you can use the JDK DST Timezone Update Tool to be current with the latest daylight saving time as published by Sun.

To use the JDK DST Timezone Update Tool:

-
- Step 1** Download the latest version of the JDK DST Timezone Update Tool. The current download URL is:
<http://www.oracle.com/technetwork/java/javase/downloads/tzupdater-download-513681.html>
 - Step 2** Extract the tzupdater.jar file from the downloaded zip file and copy it to /tmp on each gateway and unit.
 - Step 3** Perform the following steps on each gateway and unit:
 - a. Log into the machine as user **sheer**.
 - b. Stop all AVM processes.
 - c. Change to the /tmp directory.
 - d. Run the following command:

```
java -jar tzupdater.jar -u -v
```
 - Step 4** Restart the Prime Network system.
-

Workflow Changes – BQL Task Output

To enable the BQL task to run gateway commands and Command Builder scripts, some modifications were made to the BQL task output in Prime Network 3.8. If you have implemented an integration that executes a workflow using BQL in a previous release of the product, the error parsing must be updated. See *Cisco Prime Network 3.8 Integration Developer Guide* for details.

Logging into the Prime Central Portal

Use your default web browser to log into Prime Central. If you use a web browser that is not your default browser:

- You might need to log in again when you cross-launch from one domain manager to another domain manager.
- A cross-launched domain manager might remain open even after you log out of Prime Central.

For more information on Prime Central, see the Prime Central user guide.

Installing an Embedded Database on a Remote IPv6 Server

Due to a third party bug, you are not able to install an embedded database on a remote server whose listener is configured for IPv6. To work around this problem:

-
- Step 1** Verify that the remote server supports both IPv4 and IPv6.
- Step 2** Install an embedded database on that server.
During installation, select the IPv4 address to listen on.
- Step 3** After installation completes, enter the following commands to run a configuration utility:
- a. `cd Main/scripts/embedded_db`
 - b. `run add_oracle_listener.pl`
- While the utility runs, you are asked to specify information, such as a user password. At one point in the utility, you are asked whether you want to install a database on a remote server.
- Step 4** Answer **Yes** and enter the IP address of the new database to be supported by the listener.
-



Note

Limitations apply when using Prime Network Change and Configuration Management in an IPv6 network. For more information, refer to [Prime Network Change and Configuration Management, page 30](#).

New Features and Enhancements in Prime Network 3.8

The following topics describe the new features and enhancements in Prime Network 3.8:

- [Prime Network Integration with Cisco Prime Central Suite, page 8](#)
- [GUI-Related Enhancements, page 8](#)
- [Prime Network Technology Enhancements, page 8](#)
- [Prime Network Administration Enhancements, page 9](#)
- [Prime Network Platform-Level Enhancements, page 10](#)
- [Prime Network Vision Enhancements, page 10](#)
- [Prime Network Events and Fault Management Enhancements, page 11](#)
- [Prime Network Change and Configuration Management Enhancements, page 11](#)
- [Prime Network Activation Enhancements, page 12](#)
- [Prime Network Customization Enhancements, page 12](#)
- [Prime Network PathTracer Enhancements, page 12](#)
- [Installation and Migration Enhancements, page 13](#)
- [External Launch Enhancements, page 13](#)
- [Features Changed or Removed in Prime Network 3.8, page 13](#)

These topics provide information about new support in Prime Network 3.8 for devices, software, and fault management.

- [New Network Element, Module, Software, Technology, Polling, and Device Package Support, page 14](#)
- [New Alarm, Event, Trap, and Syslog Support, page 25](#)

Prime Network Integration with Cisco Prime Central Suite

Prime Network 3.8 can be installed as a standalone or as a fully integrated component of the Cisco Prime Central suite.

- Common installation and administration methods, including a shared inventory; GUI clients do not need to be installed separately.
- Single sign-on through Cisco Prime to all suite applications, and cross-launch between Prime Network and other suite applications.

GUI-Related Enhancements

Prime Network 3.8 provides the following GUI enhancements across all GUI clients.

- User interface enhancements include faster UI start-up and more efficient task flows, including:
 - Webstart for Cisco Prime Network user interface.
 - Additional options for sorting and filtering.
 - Icon and decorator layout updates for easier recognition of state information and access to device management options.
 - Look-and-feel adjustments for consistency with the Cisco Prime Central suite.
- New reports:
 - Detailed reports for these event types: Service, Syslogs, Tickets, Traps, Audit, Provisioning, Security, and System.
 - New Mean Time to Repair events report.
 - All reports include timezone in date and time stamp.

Prime Network Technology Enhancements

Prime Network 3.8 introduces the following technology enhancements:

- Extended Multiprotocol Label Switching Transport Profile (MPLS-TP) support: Discovery of MPLS-TP tunnels and representation including pseudowires configured over tunnels; service alarm generation and correlation; graphical display of MPLS-TP network protection configurations (primary and backup); and Operations Administration, and Maintenance (OAM) scripts.
- Enhanced MPLS support: Discovery, representation, and monitoring of carrier-serving-carrier configurations; point-to-point MPLS-TE tunnel link filtering; device inventory for point-to-multipoint MPLS-TE configurations; and representations of pseudowire backup tunnel configurations.
- Enhanced Carrier Ethernet support: Expanded Metro Ethernet Forum-specific services such as Ethernet Virtual Connection (EVC) multiplex configurations; Multichassis Link Aggregation Groups (MC-LAG); Multiple Spanning Tree Access Gateway (MST-AG) and Resilient Ethernet Protocol Access Gateway (REP-AG); and REP configuration extensions.

- Extended IPv6 support: Support for clients, unit and gateway servers; addresses in Command Builder; management addresses on NEs; Open Shortest Path First Version 3 (OSPF3) routes for 6VPE configurations; IPv6 GRE tunnel configurations; IPv4/IPv6 stateless translator (XLAT) configurations; IPv6 Rapid Deployment (6RD) configurations; and correlation and path trace support for 6PE and native IPv6 network scenarios.
- Enhanced Radio Access Network (RAN) backhaul support: Discovery, representation, and monitoring enhancements for SyncE and Precision Timing Protocol (1588v2), including Boundary Clock, Synchronization Status Messages (SSM) and Ethernet Synchronization Message Channel (ESMC) configurations; and map indicator for NEs with enabled clocking feature.

Prime Network Administration Enhancements

Prime Network 3.8 introduces the following gateway, unit, AVM, and VNE manageability enhancements to the Administration GUI client:

- Auto-monitoring of AVM memory load levels according to the values set in GUI client. An indicator flags when an AVM exceeds the threshold and, upon user confirmation, will move VNEs to another AVM to return the AVM to a stable state.
- Auto-assignment of AVMs and VNEs, where Prime Network chooses the best target unit for an AVM, and best target AVM for a VNE.
- Auto-addition of AVMs, where Prime Network automatically creates AVMs using default characteristics set in the GUI client.
- Simplified mechanism for adding bulk VNEs using a template (CSV file), where Prime Network performs validations and signals possible errors before creating the VNEs. For legacy users, the `vne_creation_script` has also been improved for usability.
- New views in the Prime Network Administration GUI client that show all unit servers, all AVMs, and all VNEs installed in the system.
- Ability to launch VNE device inventory window from the Prime Network Administration GUI client (allows viewing of NE inventory from the Administration client). (Conversely, administrators can also launch the VNE properties window from the NE inventory in the Prime Network Vision GUI client.)
- VNE Driver details displayed in the VNE properties window to indicate the specific driver being used by a VNE. Also lists the Device Package that is installed on the system.

It also includes the following VNE-specific enhancements:

- Simplified VNE addition procedure where SNMP write community string is now optional.
- Improved CPU usage polling mechanism. When a VNE is experiencing high CPU usage, it is moved to the Currently Unsynchronized state (instead of the Maintenance state) and all polling is suspended except for CPU usage (and a System event is generated).
- To assist in troubleshooting VNE state issues, additional information is displayed in the VNE State window (formerly the Communication Details window) that provides details about the VNE state. Corresponding information and troubleshooting steps have been added to the [Cisco Prime Network 3.8 Administrator Guide](#) to help troubleshoot communication and investigation state problems.
- Prime Network automatically performs a series of validation checks when Cisco IOS XR VNEs are added to the GUI client.
- Additional support for VNEs that use XML and HTTP, with corresponding additions made to the GUI client so VNEs using these protocols can be more easily managed.

- New support listed in [New Network Element, Module, Software, Technology, Polling, and Device Package Support, page 14](#), and [New Alarm, Event, Trap, and Syslog Support, page 25](#).

Prime Network Platform-Level Enhancements

Prime Network 3.8 introduces the following platform-level enhancements:

- Gateway server high availability using Red Hat Cluster Suite (RHCS) and Oracle Active Data Guard (ADG)—Simplified commands for performing switchover and failover and stopping and resuming data replication.
- Security enhancements:
 - Support for devices behind firewalls or NAT devices, with a new mechanism that creates a device proxy feature that routes connections from the client through the gateway server to a unit that can reach the device.
 - Support for unit servers behind firewalls or NAT devices using standard ports.
 - Support for gateway server behind firewalls or NAT devices, when ports are opened on the firewall and the gateway has a publicly addressable IP address.
 - Support for permissive scopes, which means users can view both ends of links even if one endpoint is outside their assigned device scopes. Permissive scoping is enabled by default.
- A platform-level job scheduler to manage and execute activation scripts.

Prime Network Vision Enhancements

Prime Network Vision includes the following enhancements:

- Link visualization enhancements that provide the ability to view links from managed to unmanaged NEs, which allow links within the managed network sections to be viewed.
 - Users can view a link if at least one endpoint is in the user's scope.
 - The Link Properties window contains Tickets and Events panes that list tickets and events for the selected link.
 - Link filtering API that allows external applications to retrieve links for a selected link type.
- Event browser is now displayed within Prime Network Vision, providing efficient access to ticket and network event information from within a map context. The Options dialog box contains a new Events tab that allows you to specify the number of hours to use when determining the events to display in the events tabs in the inventory window.
- The Prime Network Vision window includes tabs that list all NEs, VTP domains, and Ethernet flow domains.
- The IP Interfaces table (**Logical Inventory > Routing Entities > Routing Entity**) contains the VRRP Group column which indicates whether a VRRP group is configured on the interface.
- The navigation pane includes up to two badges for each element for alarm, STP, REP, redundancy service, VNE communication, and VNE investigation states.
- If multiple BFD links exist between two elements, Prime Network displays a session for each link.
- If multiple MP-BGP IPV6 links exist between two elements, Prime Network identifies each link.
- Aggregation thumbnail borders reflect the color of the current alarm severity.

- The Add Network Element dialog box now contains Severity and Unacknowledged columns that indicate the highest severity ticket and the highest severity unacknowledged ticket that are associated with the element.
- The following new right-click options are available:
 - If scripts are installed, right-click the devices that support them to show the scripts.
 - If Prime Performance Manager is installed, you can cross-launch it from Prime Network. To do so, right-click an interface from the Inventory window and choose **Performance > Interface Reports**. A performance report is generated and displayed for that specific interface on the selected device. For more information, see the Prime Performance Manager user guide.
- The inventory window includes:
 - A Ports tab that enables you to view the status of all ports on the device in one table and enable or disable alarms on multiple ports, as required
 - Three new tabs that list tickets, network events, and provisioning events for the selected element
- The Tools menu includes a Command Jobs option that displays all Command Builder jobs that have been scheduled and their details.

Prime Network Events and Fault Management Enhancements

Prime Network 3.8 includes the following fault management enhancements:

- Ability to stop an event notification service and restart it at a later time (without having to recreate the service).
- Ability to filter raw events at the Event Collector level, which is the first point of contact with Prime Network, in order to drop “pure noise.” (This differs from the AOP mechanism which filters events at the VNE level.)
- New GUI feature for controlling the purging and archiving of the Event Archive information in the database.
- For embedded databases, a new script for adding datafiles to a specific database table.

Prime Network Change and Configuration Management Enhancements

Prime Network 3.8 Change and Configuration Management provides the following new features:

- Static and dynamic device grouping—You can choose to create a device group of one of the following types:
 - Static—Create a device group with a specific set of devices. If you wish to add new devices to the group at a later stage, you must add them manually.
 - Dynamic—Create a device group with certain membership rules or conditions such that all devices satisfying the specified conditions are automatically added to the group at any stage.
- Firewall support—The Image Management and CM functions run on units and gateway in a deployment environment in which the units are located behind firewalls and possibly Network Address Translation (NAT). This approach prevents issues when the unit is behind NAT, as the unit does not require a publicly available IP address for the gateway to contact it.
- Module level support for Cisco 7600 series routers with Application Control Engine (ACE) cards.
- Cisco Nexus 5000 and 7000 device series support.

- Warm upgrade feature (for Cisco IOS images only), which provides the capability for a Cisco IOS image to read and decompress another Cisco OS image and then transfer control to this new image. This functionality reduces the downtime of a device during planned Cisco IOS software upgrades or downgrades.
- FTP support for all config and image transfers for Cisco IOS devices.
- IPv6 support—Configuration Management (CM) and Image Management functions run smoothly on a combination of network and devices with IPv6 addresses. Both the device and the unit must be configured with an IPv6 address to work.
- Option to toggle between different views to view the dashboard details either as a pie or bar chart or in a tabular form.
- Option to specify default restore mode for configuration files.
- Option to specify when you want Change and Configuration Management to send automatic e-mail notifications.
- Feature to import images from an external image repository.
- Job specification ID assigned whenever a CM or Image Management job is created. Each job specification ID can have jobs or tasks that run periodically for a single configuration or image management operation. You can view the details of the successful tasks, unsuccessful tasks, and any scheduled (pending) tasks for each job specification.

Prime Network Activation Enhancements

Prime Network Activation includes the following new features:

- Ability to view the activation events logged in Cisco Cisco Prime Network Events and monitor, acknowledge, and process the activation events.
- Workflow searches based on the day activation was performed and parameters you specify. Search results can be filtered and sorted.

Prime Network Customization Enhancements

Prime Network 3.8 introduces the following VCB and Command Builder enhancements:

- VCB functions can now be performed using a simple and intuitive GUI interface that is available in the Prime Network Administration application (from the Tools menu).
- Command Builder now enables you to execute a command immediately or to schedule the execution for a later date/time.

Prime Network PathTracer Enhancements

Prime Network PathTracer adds support for:

- Carrier Supporting Carrier (CSC) configuration path traces
- MPLS-TP tunnel endpoint launch points
- Pseudowire endpoint launch points

Installation and Migration Enhancements



Note

Cisco ANA 3.7.2 or Cisco ANA 3.7.3 with Device Package 8.0 or later: After upgrading to Cisco Prime Network 3.8, you must install Prime Network 3.8 Device Package 1.0 from [Cisco.com](https://www.cisco.com) in order to have the same level of device support that you had in your earlier installation. This is because Prime Network 3.8 includes all of the support that is provided up to Cisco ANA 3.7.2/3.7.3 Device Package 7.0.

Cisco Prime Network 3.8 provides the following features related to installation and migration:

- Support for SPARC T3 processor with and without Oracle VM Server (formerly known as LDOMs).
- All-in-one deployment on UCS C200.
- Validation of EMC VNX5300 for highest data storage and retrieval rates.
- The installation script provides an option to install Cisco Prime Network 3.8 as a standalone product or as part of the Cisco Prime Central suite.
- Automatic installation of Prime Network Change and Configuration Management and Prime Network Activation with Cisco Prime Network 3.8.

External Launch Enhancements

Prime Network 3.8 introduces the following external launch enhancements:

- Automatic download of scripts used for the external launch point definition—Scripts can now be copied to the Prime Network gateway, under the Main/webstart/scripts directory, after which they will be downloaded automatically to all clients associated with the gateway, upon next login. The launch points will be functional from all these clients.
- The external launch definition can now include the minimum required user role that will be able to launch it.
- You can now define the number of items that must be selected for the launch point to be displayed. For example, if the selection limit is 2, the right-click menu option will not appear if only 1 item is selected, or if 3 items are selected. It will only appear if 2 items are selected.

Features Changed or Removed in Prime Network 3.8

Features Changed

- For Ethernet services, the naming convention has changed from Ethernet Service 3065:*name* to *name*. For EVCs, the naming convention has changed from EVC:*name* to *name*.
- The ANA vs. Event Archive Statistics report has been renamed to Fault DB vs. Event Archive Statistics.
- The Sort Table dialog box has been revised.
- For Network Pseudowire reports (Detailed and Summary), the Network Pseudowire Type Contains field has been changed to a drop-down list.

Features Removed

- In the Links View, the Context column no longer contains Network and is empty for either of the following reasons:
 - One side of the link is not included in the map.
 - The link is filtered out of all contexts.
- The Help menu About option no longer displays licensing information.

New Network Element, Module, Software, Technology, Polling, and Device Package Support

The following topics describe the new module, software, and technology support provided in Prime Network 3.8:

- [New Network Element Support, page 14](#)
- [New Module Support, page 15](#)
- [New Software Version Support, page 19](#)
- [New Technology Support, page 21](#)
- [New Support for VNE Driver Device Package Mechanism, page 22](#)
- [New Event-Based \(Reduced\) Polling Support, page 23](#)
- [New Adaptive Polling Support, page 24](#)
- [VNE Driver Jar Files Provided with Prime Network 3.8, page 24](#)



Note

Cisco ANA 3.7.2 or Cisco ANA 3.7.3 with Device Package 8.0 or later: After upgrading to Cisco Prime Network 3.8, you must install Prime Network 3.8 Device Package 1.0 from Cisco.com in order to have the same level of device support that you had in your earlier installation. This is because Prime Network 3.8 includes all of the support that is provided up to Cisco ANA 3.7.2/3.7.3 Device Package 7.0.

New Network Element Support

[Table 3](#) identifies the new NE support available in Prime Network 3.8.

Table 3 *NE Support Added in Prime Network 3.8*

Device	Network Element
Cisco Carrier Packet Transport	CPT 600
	CPT 200

New Module Support

Table 4 identifies the new module support available in Prime Network 3.8.

Table 4 **Module Support Added in Prime Network 3.8**

Device	Module Support Added in Prime Network 3.8	
	Module Name	Description
Cisco 7600 Series Routers	SFP-OC48-LR2	OC-48c/STM-16 pluggable long-reach (80 km) transceiver module, 1550-nm wavelength, LC connector
	SFP-OC48-IR1	OC-48c/STM-16 pluggable intermediate-reach (15 km) transceiver module, 1310-nm wavelength, LC connector
	SFP-OC48-SR	OC-48c/STM-16 pluggable short-reach (2 km) transceiver module, 1310-nm wavelength, LC connector
Cisco XR 12000 Series Routers	SPA-8XOC3-POS	8-port OC-3/STM-1 POS Shared Port Adapters
	SPA-1X10GE-L-ITUC	Cisco 1-Port 10-Gigabit Ethernet IPoDWDM Shared Port Adapter
Cisco CRS Carrier Routing Systems	CRS-FCC-SFC-140	Cisco CRS-3 Series Fabric Card Chassis Switch Fabric Card 140G
	CRS-8-PRP-6G	Cisco CRS-1 Series 8 Slots 6 Gb Performance Route Processor
	CRS-8-PRP-12G	Cisco CRS-1 Series 8 Slots 12 Gb Performance Route Processor
	CRS-16-FC140/M	Cisco CRS Series 16 Slots Fabric Card / Multi (140G)
	CRS-16-PRP-6G	Cisco CRS-1 Series 16 Slots 6 Gb Performance Route Processor
Cisco ASR 1000 Series Routers	SPA-24CHT1-CE-ATM	24-port Channelized T1/E1/J1 ATM and Circuit Emulation SPA
	SPA2CHT3-CE-ATM	2-Port Channelized T3/E3 ATM CEoP SPA
Cisco ASR 9000 Series Routers	ASR-ISM-100	ASR9K Advanced Video Streaming Module
	A9K-SAM-2TB	Cisco ASR 9000 Series 2TB Flash Storage Service Acceleration Module
Cisco MWR 2900 Series Switches	GLC-EX-SMD	1000BASE-EX SFP transceiver module, SMF, 1310nm, 40km, DOM

Table 4 Module Support Added in Prime Network 3.8 (continued)

Device	Module Support Added in Prime Network 3.8	
	Module Name	Description
Cisco Catalyst 4500/4500E Series Switches	4507R+E	Cisco Catalyst 4507R+E Chassis
	4510R+E	Cisco Catalyst 4510R+E Chassis
	CWDM-SFP-1470	Cisco CWDM SFP 1470 nm; Gigabit Ethernet and 1G/2G FC
	CWDM-SFP-1490	Cisco CWDM SFP 1490 nm; Gigabit Ethernet and 1G/2G FC
	CWDM-SFP-1510	Cisco CWDM SFP 1510 nm; Gigabit Ethernet and 1G/2G FC
	CWDM-SFP-1530	Cisco CWDM SFP 1530 nm; Gigabit Ethernet and 1G/2G FC
	CWDM-SFP-1550	Cisco CWDM SFP 1550 nm; Gigabit Ethernet and 1G/2G FC
	CWDM-SFP-1570	Cisco CWDM SFP 1570 nm; Gigabit Ethernet and 1G/2G FC
	CWDM-SFP-1590	Cisco CWDM SFP 1590 nm; Gigabit Ethernet and 1G/2G FC
	CWDM-SFP-1610	Cisco CWDM SFP 1610 nm; Gigabit Ethernet and 1G/2G FC
	DWDM-SFP-6061	1000BASE-DWDM 1560.61 nm SFP (100-GHz ITU grid)
	DWDM-SFP-5979	1000BASE-DWDM 1559.79 nm SFP (100-GHz ITU grid)
	DWDM-SFP-5898	1000BASE-DWDM 1558.98 nm SFP (100-GHz ITU grid)
	DWDM-SFP-5817	1000BASE-DWDM 1558.17 nm SFP (100-GHz ITU grid)
	DWDM-SFP-5655	1000BASE-DWDM 1556.55 nm SFP (100-GHz ITU grid)
	DWDM-SFP-5575	1000BASE-DWDM 1555.75 nm SFP (100-GHz ITU grid)
	DWDM-SFP-5494	1000BASE-DWDM 1554.94 nm SFP (100-GHz ITU grid)
	DWDM-SFP-5413	1000BASE-DWDM 1554.13 nm SFP (100-GHz ITU grid)
	DWDM-SFP-5252	1000BASE-DWDM 1552.52 nm SFP (100-GHz ITU grid)
	DWDM-SFP-5172	1000BASE-DWDM 1551.72 nm SFP (100-GHz ITU grid)
	DWDM-SFP-5092	1000BASE-DWDM 1550.92 nm SFP (100-GHz ITU grid)
	DWDM-SFP-5012	1000BASE-DWDM 1550.12 nm SFP (100-GHz ITU grid)
	DWDM-SFP-4851	1000BASE-DWDM 1548.51 nm SFP (100-GHz ITU grid)
	DWDM-SFP-4772	1000BASE-DWDM 1547.72 nm SFP (100-GHz ITU grid)
	DWDM-SFP-4692	1000BASE-DWDM 1546.92 nm SFP (100-GHz ITU grid)
	DWDM-SFP-4612	1000BASE-DWDM 1546.12 nm SFP (100-GHz ITU grid)
	DWDM-SFP-4453	1000BASE-DWDM 1544.53 nm SFP (100-GHz ITU grid)
	DWDM-SFP-4373	1000BASE-DWDM 1543.73 nm SFP (100-GHz ITU grid)
	DWDM-SFP-4294	1000BASE-DWDM 1542.94 nm SFP (100-GHz ITU grid)
	DWDM-SFP-4214	1000BASE-DWDM 1542.14 nm SFP (100-GHz ITU grid)
	DWDM-SFP-4056	1000BASE-DWDM 1540.56 nm SFP (100-GHz ITU grid)
	DWDM-SFP-3977	1000BASE-DWDM 1539.77 nm SFP (100-GHz ITU grid)
	DWDM-SFP-3898	1000BASE-DWDM 1538.98 nm SFP (100-GHz ITU grid)

Table 4 *Module Support Added in Prime Network 3.8 (continued)*

Device	Module Support Added in Prime Network 3.8	
	Module Name	Description
Cisco Catalyst 4500/4500E Series Switches (cont'd)	DWDM-SFP-3819	1000BASE-DWDM 1538.19 nm SFP (100-GHz ITU grid)
	DWDM-SFP-3661	1000BASE-DWDM 1536.61 nm SFP (100-GHz ITU grid)
	DWDM-SFP-3582	1000BASE-DWDM 1535.82 nm SFP (100-GHz ITU grid)
	DWDM-SFP-3504	1000BASE-DWDM 1535.04 nm SFP (100-GHz ITU grid)
	DWDM-SFP-3425	1000BASE-DWDM 1534.25 nm SFP (100-GHz ITU grid)
	DWDM-SFP-3268	1000BASE-DWDM 1532.68 nm SFP (100-GHz ITU grid)
	DWDM-SFP-3190	1000BASE-DWDM 1531.90 nm SFP (100-GHz ITU grid)
	DWDM-SFP-3112	1000BASE-DWDM 1531.12 nm SFP (100-GHz ITU grid)
	DWDM-SFP-3033	1000BASE-DWDM 1530.33 nm SFP (100-GHz ITU grid)
	DWDM-SFP-3346	DWDM SFP 1533.47 nm SFP (100 GHz ITU grid)
	DWDM-SFP-3739	DWDM SFP 1537.40 nm SFP (100 GHz ITU grid)
	DWDM-SFP-4134	DWDM SFP 1541.35 nm SFP (100 GHz ITU grid)
	DWDM-SFP-4532	DWDM SFP 1545.32 nm SFP (100 GHz ITU grid)
	DWDM-SFP-4931	DWDM SFP 1549.32 nm SFP (100 GHz ITU grid)
	DWDM-SFP-5332	DWDM SFP 1553.33 nm SFP (100 GHz ITU grid)
	DWDM-SFP-5736	DWDM SFP 1557.36 nm SFP (100 GHz ITU grid)
	DWDM-SFP-6141	DWDM SFP 1561.42 nm SFP (100 GHz ITU grid)
	GLC-T	Cisco Catalyst 4500 Series GLC-T Connector
	WS-X45-SUP7-E	Cisco Catalyst 4500 Series SUP7-E card
	WS-X4612-SFP-E	Cisco Catalyst 4500 Series WS-X4612-SFP-E Line card
WS-X4640-CSFP-E	Cisco Catalyst 4500 Series WS-X4640-CSFP-E Line card	
WS-X4712-SFP+E	Cisco Catalyst 4500 Series WS-X4712-SFP+E Line card	
Cisco Catalyst 4900 Series Switches	CWDM-SFP-1470	Cisco CWDM SFP 1470 nm; Gigabit Ethernet and 1G/2G FC
	CWDM-SFP-1490	Cisco CWDM SFP 1490 nm; Gigabit Ethernet and 1G/2G FC
	CWDM-SFP-1510	Cisco CWDM SFP 1510 nm; Gigabit Ethernet and 1G/2G FC
	CWDM-SFP-1530	Cisco CWDM SFP 1530 nm; Gigabit Ethernet and 1G/2G FC
	CWDM-SFP-1550	Cisco CWDM SFP 1550 nm; Gigabit Ethernet and 1G/2G FC
	CWDM-SFP-1570	Cisco CWDM SFP 1570 nm; Gigabit Ethernet and 1G/2G FC
	CWDM-SFP-1590	Cisco CWDM SFP 1590 nm; Gigabit Ethernet and 1G/2G FC
	CWDM-SFP-1610	Cisco CWDM SFP 1610 nm; Gigabit Ethernet and 1G/2G FC
	WS-C4948E-F	Cisco Catalyst 4948E-F chassis
	WS-X45-SUP7-E	Cisco Catalyst 4500 Series SUP7-E card

Table 4 *Module Support Added in Prime Network 3.8 (continued)*

Device	Module Support Added in Prime Network 3.8	
	Module Name	Description
Cisco Catalyst 4900 Series Switches (cont'd)	WS-X4612-SFP-E	Cisco Catalyst 4900 Series WS-X4612-SFP-E Line card
	WS-X4640-CSFP-E	Cisco Catalyst 4900 Series WS-X4640-CSFP-E Line card
	WS-X4712-SFP+E	Cisco Catalyst 4900 Series WS-X4712-SFP+E Line card
	WS-X4908-10G-RJ45	Cisco Catalyst 4900 Series WS-X4908-10G-RJ45 Line card
Cisco Catalyst 6500 Series Switches	WS-C6513-E	Cisco Catalyst 6513 Enhanced Chassis
	VS-S2T-10G-XL	Cisco Catalyst 6500 Series Supervisor Engine 2T XL
	WS-X6908-10G-2TXL	Cisco Catalyst 6900 Series 8-Port 10 Gigabit Ethernet Fiber Module with DFC4XL
	WS-C6513-E-FAN	Cisco Catalyst 6513 Enhanced Chassis Fan Tray
Cisco Nexus 7000 Series Switches	N7K-C7010-FAN-F	Cisco Nexus 7000 10 Slot Fabric Fan
	N7K-C7010-FAN-S	Cisco Nexus 7000 10 Slot System Fan
	GLC-T	Cisco 1000BASE-T SFP transceiver module for Category 5 copper wire, RJ-45 connector
	FET-10G	Cisco 1000BASE-T SFP, Extended Temperature Range
	SFP-GE-L	Cisco 1000BASE-LX/LH SFP transceiver module for MMF and SMF, 1300-nm wavelength, extended operating temperature range and DOM support, dual LC/PC connector
	GLC-SX-MM	Cisco 1000BASE-SX SFP transceiver module for MMF, 850-nm wavelength, industrial Ethernet, dual LC/PC connector
	SFP-10G-LRM	Cisco 10GBASE-LRM SFP+ transceiver module for MMF and SMF, 1310-nm wavelength, LC duplex connector
	SFP-GE-T	Cisco 1000BASE-T NEBS 3 ESD
	CWDM-SFP-xxxx	Cisco CWDM SFP xxxx nm; Gigabit Ethernet and 1G/2G FC
	DWDM-SFP-xyyy	Cisco 1000BASE-DWDM 15xx.yy nm SFP (100-GHz ITU grid)
	GLC-LH-SM	Class 1 laser of 1300 nm for 1000BASE-LX/LH (long wavelength) applications
	N2K-C2248-FAN	N2K-C2248 Series FEX Fan Module
	SFP-GE-S	Cisco 1000BASE-SX (SFP-GE-S) multimode, compliant with IEEE 802.3z specifications
GLC-ZX-SM	Class 1 laser of 1550 nm for 1000BASE-ZX (extended wavelength) applications	

New Software Version Support

Table 5 identifies the new software versions supported in Prime Network 3.8.

Table 5 Software Support Added in Prime Network 3.8

Product	Software	Version
Cisco ISR 1900 Series Routers	IOS	15.1(1)T3 15.1(3)T1
Cisco ISR 2900 Series Routers	IOS	15.1(1)T3 15.1(3)T1
Cisco ISR 3900 Series Routers	IOS	15.1(1)T3 15.1(3)T1
Cisco 7200 Series Routers	IOS	12.2(33)SRE4 15.1(3)S
Cisco 7400 Series Routers	IOS	15.0(1)M 15.0(1)M6 15.0(3)S
Cisco 7600 Series Routers	IOS	12.2(33)SRE4 15.0(1)S4 15.1(2)S1 15.1(2)S2 15.1(3)S
Cisco 10000 Series Routers	IOS	12.2(31)SB20 12.2(33)SB10 15.0(1)S3a 15.0(1)S4
Cisco 12000 Series Routers	IOS	12.0(32)SY13 12.0(33)S8
Cisco XR 12000 Series Routers	IOS XR	4.0.3 4.1.0 4.1.1
Cisco CRS Carrier Routing Systems	IOS XR	4.0.3 4.1.0 4.1.1
Cisco ASR 1000 Series Routers	IOS XE	3.1.4S 3.3.1S 3.3.2S 3.4.0S
Cisco ASR 9000 Series Routers	IOS XR	4.0.3 4.1.0 4.1.1
Cisco MWR 2900 Series Switches	IOS	12.2(33)MRB5 12.2(33)MRB6 15.0(2)MR 15.1(1)MR 15.1(1)MR1

Table 5 *Software Support Added in Prime Network 3.8 (continued)*

Product	Software	Version
Cisco ME 3400/3400E Series Ethernet Access Switches	IOS	12.2(58)SE 12.2(58)SE1 12.2(58)SE2
Cisco ME 3600X Series Ethernet Access Switches	IOS	12.2(52)EY2 15.1(2)EY
Cisco ME 3800X Series Ethernet Access Switches	IOS	12.2(52)EY2 15.1(2)EY
Cisco Catalyst 3750 Metro Series Switches	IOS	12.2(58)SE1
Cisco Catalyst 4500/4500E Series Switches	IOS	15.0(2)SG
	IOS XE	3.2.0SG
Cisco Catalyst 4900 Series Switches	IOS	15.0(2)SG
Cisco Catalyst 6500 Series Switches	IOS	12.2(18)SXF12a 12.2(18)SXF13 12.2(18)SXF14 12.2(18)SXF15 12.2(18)SXF15a 12.2(18)SXF16 12.2(18)SXF17 12.2(18)SXF17a 12.2(33)SXH3 12.2(33)SXH3a 12.2(33)SXH4 12.2(33)SXH5 12.2(33)SXH6 12.2(33)SXH7 12.2(33)SXH8 12.2(33)SXI1 12.2(33)SXI2a 12.2(33)SXI3 12.2(33)SXI4 12.2(33)SXI4a 12.2(33)SXI5 12.2(33)SX16 12.2(50)SY
Cisco Nexus 7000 Series Switches	NX-OS	4.2(6) 4.2(8) 5.2(x)

New Technology Support

This section describes the new technology support in Prime Network 3.8. [Table 6](#) provides an overview of the technology support that has been added. The information that follows it provides a more specific description of how this support has been implemented.

Table 6 *Technology Support Added in Prime Network 3.8*

Technology Group/Product	Technology	Element Modeling	Network Modeling	Topology View
IP	6PE	Yes	Yes	
	VRRP	Yes		
MPLS TP	MPLS TP	Yes	Yes	Yes (3.8)
Ethernet	Access Gateway	Yes		
	mLACP	Yes		Yes
Hardware	Pluggable Transceiver	Yes		
Cisco XR 12000 Series Routers	IPoDWDM (support for events and inventory)			
Cisco CRS Carrier Routing Systems	Channelization			
Cisco ASR 9000 Series Routers	Channelization			
Cisco Nexus 7000 Series Switches	BGP Syslog (Ticketable)			

Carrier Ethernet

Prime Network Vision:

- Supports the discovery of access gateways and displays access gateway properties in logical inventory.
- Supports the discovery of Multichassis LACP (mLACP) configurations on devices configured for them and displays mLACP configuration information, such as redundancy groups and properties, in inventory.
- Supports the discovery of pseudowire redundancy service and displays that information in maps, logical inventory, and the Layer 2 MPLS Tunnel Properties window.
- Has enhanced its multiplex capabilities to distinguish multiplexed services based on the Customer VLAN ID so that Prime Network Vision is Inner Tag-aware.

Carrier Grade NAT

Prime Network Vision supports 6RD, XLAT, and NAT44 services types for Carrier Grade NAT.

Carrier Supporting Carrier

Prime Network Vision supports discovery and fault correlation for Carrier Supporting Carrier (CSC) technology for MPLS VPNs. This support enables you to trace a CSC flow from the customer CE through the customer carrier VPN, across the customer backbone carrier VPN, back to the customer carrier VPN, and to the destination CE.

MPLS

Prime Network Vision:

- Supports IPv6 rapid deployment (6rd) for Cisco 7600 series and Cisco ASR 1000 series devices.
- Automatically discovers MPLS-TP tunnels and displays the following information in logical inventory:
 - Tunnel endpoints and bandwidth
 - LSPs, LSP properties, and LSP endpoint redundancy
 - MPLS-TP BFD session properties
- Supports Virtual Router Redundancy Protocol (VRRP) in logical inventory.
- Supports MPLS-TP tunnel overlays in maps.

MToP

Prime Network Vision supports the following new features for MToP:

- Synchronous Ethernet (SyncE) properties in logical inventory
- Network Clock Service overlays

New Support for VNE Driver Device Package Mechanism

Independent VNE drivers are jar files that contain new or enhanced support for a device (software versions, modules, technologies, and so forth). These updates can be released outside of a major or minor release of Prime Network (thus the name *independent* VNE drivers). When an update becomes available, the latest driver files are grouped together in a *Device Package* (DP) and are placed on the [Cisco.com](https://www.cisco.com) [download site](#).

The following lists the Cisco device types that support the Device Package mechanism in Prime Network 3.8.


Note

Prime Network 3.8 contains all of the support that was provided in Cisco ANA 3.7.2/3.7.3 DP 7.0. To get the latest support (including DP mechanism support for the ASR 5000 device family), download and install Prime Network 3.8 Device Package 1.0 from the [Cisco.com download site](#).

- ASA 5500 security appliances
- 1900 ISR routers
- 2900 ISR routers
- 3900 ISR routers
- 7200 routers
- 7300 routers
- 7500 routers
- 7600 routers
- 10000 routers
- 12000 routers
- XR 12000 routers
- CRS routers
- ASR 1000 routers
- ASR 5000 routers
- ASR 9000 routers
- MWR 2900 routers
- ME 3400/3400E switches
- ME 3600X switches
- Catalyst ME 3750 switches
- ME 3800X switches
- Catalyst 4500 switches
- Catalyst 4900 switches
- Catalyst 6500 switches
- Nexus 5000 switches
- Nexus 7000 switches
- CPT 600

New Event-Based (Reduced) Polling Support

The following lists the Cisco device types that support event-based polling (also called reduced polling) in Prime Network 3.8.

- Cisco uBR 10000 series routers
- 1900 ISR routers
- 2900 ISR routers
- 3900 ISR routers
- 7200 routers
- 7600 routers
- 10000 routers
- XR 12000 routers
- CRS routers
- ASR 1000 routers
- ASR 9000 routers
- MWR 2900 routers
- ME 3400/3400E switches
- ME 3600X switches
- Catalyst ME 3750 switches
- ME 3800X switches
- Catalyst 4500 switches
- Catalyst 4900 switches
- Catalyst 6500 switches (running Cisco IOS)
- Nexus 5000 switches
- Nexus 7000 switches
- CPT 600 and CPT 200

New Adaptive Polling Support

All device families support the adaptive polling mechanism in Prime Network 3.8, *except* for the following three device families: Catalyst 6500 switches running Cisco Catalyst OS, Cisco Service Control Engines (SCE 2000), and Cisco Carrier Packet Transport devices (CPT 600 and CPT 200). All other device families support adaptive polling in Prime Network 3.8.

VNE Driver Jar Files Provided with Prime Network 3.8

Table 7 lists the VNE driver jar files that are packaged with Prime Network 3.8. The table contents are the same as what is displayed if you list the Prime Network 3.8 driver files using the `ivne` command.



Note

Cisco-ANA3.8.x-DP0 designates the base release of Prime Network 3.8.

Table 7 VNE Driver Jar Files Provided with Prime Network 3.8

Name	Driver File Name	Version	Device Package
Cisco-100xx	Cisco-100xx-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-12xxx	Cisco-12xxx-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-3400ME	Cisco-3400ME-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-3750ME	Cisco-3750ME-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-45xx	Cisco-45xx-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-49xx	Cisco-49xx-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-70xx	cisco-70xx-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-76xx_65xxIOS	Cisco-76xx_65xxIOS-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-ACE4710	Cisco-ACE4710-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-ASA5000	Cisco-asa55xx-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-ASR10xx	Cisco-ASR10xx-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-ASR5000	Cisco-ASR5000-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-ASR90xx	Cisco-ASR90xx-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-CPT	Cisco-CPT-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-CRS	Cisco-CRS-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-Commons	Cisco-Commons-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-IOX-Commons	Cisco-IOX-Commons-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0

Table 7 VNE Driver Jar Files Provided with Prime Network 3.8 (continued)

Name	Driver File Name	Version	Device Package
Cisco-ISR19xx	Cisco-ISR19xx-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-ISR29xx	Cisco-ISR29xx-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-ISR39xx	Cisco-ISR39xx-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-ME36XX-ME38XX	Cisco-ME36XX-ME38XX-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-MWR29xx	Cisco-MWR29xx-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-Modules	Cisco-Modules-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-NCCM_Core	Cisco-NCCM_Core-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-NCCM_IOX	Cisco-NCCM_IOX-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-Nexus50xx	Cisco-Nexus50xx-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-Nexus70xx	Cisco-Nexus70xx-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-Others	Cisco-Others-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-UBR100xx	Cisco-UBR100xx-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-UBR72xx	Cisco-UBR72xx-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Cisco-UCS	Cisco-ucs-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Generic-ICMP	Generic-ICMP-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0
Mib2	Mib2-v2.0.0.0.jar	2.0.0.0	Cisco-ANA3.8.x-DP0

New Alarm, Event, Trap, and Syslog Support

The following topics describe the new service alarms, service events, trap support, and syslog support provided in Cisco Prime Network 3.8:

- [New Service Alarms, page 26](#)
- [New System Events, page 27](#)
- [New Syslog Support, page 27](#)
- [New Trap Support, page 29](#)

New Service Alarms

Table 8 describes the service alarms added in Prime Network 3.8.

Table 8 Service Alarms Added in Prime Network 3.8

Alarm	Alarm Subtype	Severity
ESMC Process Down	ESMC Process Down	Major
	ESMC Process Up	Cleared
LSP Down	LSP Down	Major
	LSP Down Due to Label Mismatch	Major
	LSP Down Due to Lock Out	Minor
	LSP Up	Cleared
MPLS TP Tunnel Down	TP Tunnel Down Due to Admin Down	Minor
	TP Tunnel Down Due to Oper Down	Major
Network-Clock Synchronization	Network-Clock Synchronization Enabled	Cleared
	Network-Clock Synchronization Disabled	Major
REP Port Role Change	REP Port Role Failed	Major
	REP Port Role Ok	Cleared
Fan-Tray Down	Fan-Tray Down	Major
	Fan-Tray Up	Cleared
Fan-Tray Out	Fan-Tray Out	Major
	Fan-Tray In	Cleared
MPLS TP Bandwidth Mismatch	MPLS TP Bandwidth Mismatch	Warning
Power Supply Down	Power Supply Down	Major
	Power Supply Up	Cleared
Power Supply Out	Power Supply Out	Major
	Power Supply In	Cleared
Pluggable Transceiver Out	Pluggable Transceiver Out	Major
	Pluggable Transceiver In	Cleared

New System Events

Table 9 describes the system events added in Prime Network 3.8.

Table 9 System Events Added in Prime Network 3.8

Message	Description	Severity
Replication Success	Replication process success.	Information
Event number network events were dropped.	Database raw events were dropped.	Major
Replication failure - File replication failed	Prime Network was unable to replicate file.	Major
Replication failure - Database replication failed	Prime Network was unable to replicate database.	Major
Snmp V3 discovery port bind failure	Prime Network has an SNMP V3 discovery port bind failure.	Major
Query of EMPTY partition failed	Prime Network is unable to determine whether empty partition of <i>TABLE_NAME</i> table contains data.	Critical
Event Notification Service connection error.	Prime Network failed to establish protocol connection.	Minor
System Load Change.	A system load change occurred.	Cleared/Minor
Automatic Overload Prevention - Reports Were Canceled	An automatic overload prevention has occurred and reports were cancelled.	Major
Automatic Overload Prevention - Network events were dropped	An automatic overload prevention has occurred and network events were dropped.	Warning
Event Global Filter Update	An event global filter update has occurred.	Warning
The table EVENTSUBTYPEINFO was not able to be loaded.	Prime Network is unable to load the table EVENTSUBTYPEINFO.	Major
Rebuilding unusable index %index name%	Prime Network is rebuilding unusable index named <i>index</i>	Information
Rebuilding index %index name% for partition %partition name%	Prime Network is rebuilding unusable index named <i>index</i> for partition <i>partition name</i>	Information

New Syslog Support

The following topics identify the syslog support added in Cisco Prime Network 3.8:

- [Cisco IOS Syslog Support Added, page 28](#)
- [Cisco IOX XR Syslog Support Added, page 29](#)

Cisco IOS Syslog Support Added

Table 10 identifies the Cisco IOS syslog support added in Prime Network 3.8.

Table 10 Cisco IOS Syslog Support Added in Prime Network 3.8

Syslog Name	Short Description	Severity
MPLS_TE-5-LSP: Sub-LSP	MPLS-TE tunnel lsp up syslog	Clearing
MPLS_TE-5-LSP: Sub-LSP	MPLS-TE tunnel lsp down syslog	Major
ETHERNET_MLACP-3-PEER_ICCP_VERSION_INCOMPATIBLE	mLACP ICCP Version Incompatible syslog	Informational
ETHERNET_MLACP-3-SYS_CFG_DUPLICATION	mLACP duplicate node-id syslog	Informational
ETHERNET_MLACP-3-SYS_CFG_INVALID_ID	mLACP invalid node-id syslog	Informational
ETHERNET_MLACP-4-CORE_ISOLATION	mLACP Core isolation failure syslog	Minor
ETHERNET_MLACP-4-CORE_CONNECTED	mLACP Core isolation recover syslog	Clearing
ETHERNET_MLACP-4-PEER_DOWN	mLACP Peer down syslog	Informational
ETHERNET_MLACP-4-PEER_UP	mLACP Peer up syslog	Clearing
ETHERNET_MLACP-4-PEER_DISCONNECT	mLACP Peer disconnect syslog	Minor
ETHERNET_MLACP-6-PEER_CONNECTED	mLACP Peer connected syslog	Clearing
MPLS_TP_TUNNEL_UPDOWN	MPLS TP Tunnel up syslog	Clearing
MPLS_TP_TUNNEL_UPDOWN	MPLS TP Tunnel down syslog	Minor
MPLS_TP_WORKING_PROTECTING_LSP_UPDOWN	MPLS TP Lsp down syslog	Minor
MPLS_TP_WORKING_PROTECTING_LSP_UPDOWN	MPLS TP Lsp Up syslog	Clearing
MPLS_TP_TUNNEL_SWITCHOVER	MPLS TP tunnel switched from working to protect	Informational
MPLS_TP_TUNNEL_SWITCHOVER	MPLS TP tunnel switched from protect to working	Informational
MPLS_TP_WORKING_PROTECTING_LSP_LOCKDOWN	MPLS TP LSP enters lockdown syslog	Minor
MPLS_TP_WORKING_PROTECTING_LSP_LOCKDOWN	MPLS TP LSP exits lockdown syslog	Clearing
MPLS_TP_ENDPOINT_CREATED_UPDATED	MPLS TP Tunnel added	Informational
MPLS_TP_ENDPOINT_CREATED_UPDATED	MPLS TP Tunnel updated	Informational
MPLS_TP_ENDPOINT_CREATED_UPDATED	MPLS TP Tunnel deleted	Informational
MPLS_TP_MIDPOINT_CREATED_UPDATED	MPLS TP LSP added	Informational

Table 10 Cisco IOS Syslog Support Added in Prime Network 3.8 (continued)

Syslog Name	Short Description	Severity
MPLS_TP_MIDPOINT_CREATED_UPDATED	MPLS TP LSP updated	Informational
MPLS_TP_MIDPOINT_CREATED_UPDATED	MPLS TP LSP updated	Informational
MPLS_TP_MIDPOINT_CREATED_UPDATED	MPLS TP LSP deleted	Informational
MPLS_TP_LINK_CREATED_UPDATED	MPLS TP link added	Informational
MPLS_TP_LINK_CREATED_UPDATED	MPLS TP link updated	Informational
MPLS_TP_LINK_CREATED_UPDATED	MPLS TP link deleted	Informational
MPLS_LABEL_RANGE_UPDATED	MPLS TP static label range updated	Informational
MPLS_LABEL_RANGE_UPDATED	MPLS TP dynamic label range updated	Informational
OIR-6-(REMIINS)CARD	Fan module in syslog	Clearing
OIR-6-(REMIINS)CARD	Fan module out syslog	Major
OIR-6-(REMIINS)CARD	Power module in syslog	Clearing
OIR-6-(REMIINS)CARD	Power module out syslog	Major

Cisco IOX XR Syslog Support Added

Table 11 identifies the Cisco IOX XR syslog support added in Prime Network 3.8.

Table 11 Cisco IOX XR Syslog Support Added in Prime Network 3.8

Syslog Name	Short Description	Severity
NODE-STATE-CHANGE	Fan module oper status changed	Minor
NODE-STATE-CHANGE	Fan module oper status changed	Clearing
OIROUT	Fan module out syslog	Major
OIROUT	Fan module in syslog	Clearing
NODE-STATE-CHANGE	Power module oper status changed	Minor
NODE-STATE-CHANGE	Power module oper status changed	Clearing
OIROUT	Power module out syslog	Major
OIROUT	Power module in syslog	Clearing

New Trap Support

The following topics identify the traps support added in Prime Network 3.8:

- [Cisco IOX V1 Trap Support Added, page 30](#)
- [Cisco Carrier Packet Transport Trap Support Added, page 30](#)

Cisco IOX V1 Trap Support Added

Table 12 identifies the Cisco IOX V1 Trap Support added in Prime Network 3.8.

Table 12 Cisco IOX V1 Trap Support added in Prime Network 3.8

Trap Name	Short Description	Severity
ciscoBfdSessDown	Cisco bfd session up trap	Major
ciscoBfdSessUp	Cisco bfd session up trap	Clearing

Cisco Carrier Packet Transport Trap Support Added

Table 13 identifies the Cisco Carrier Packet Transport Trap Support added in Prime Network 3.8.

Table 13 Cisco Carrier Packet Transport Trap Support added in Prime Network 3.8

Trap Name	Short Description	Severity
improperRemoval	Improper Removal	Major
improperRemoval	Improper Removal	Clearing
coldRestart	Cold Restart	Major
coldRestart	Cold Restart	Clearing

Limitations and Restrictions

This section includes the following limitations and restrictions:

- [Prime Network Change and Configuration Management, page 30](#)
- [Prime Network Vision, page 31](#)
- [Physical Topology, page 31](#)
- [BGP Neighbors, page 31](#)
- [VLAN Tagged Interface Limitation, page 32](#)

For deployment information and recommendations, such as supported configurations and system sizing, contact your Cisco account representative.

Prime Network Change and Configuration Management

The following items pertain to Prime Network Change and Configuration Management:

- Distribution and distribution and activation of images on Cisco 7600 ACE card is not supported directly.
- If you choose to distribute images from an external image repository, the device family and software version are displayed as UNKNOWN in the Distribute page.
- Before using Change and Configuration Management to manage a device in an IPv6 network, first verify that the device can also communicate over an IPv4 network. If the device only supports communication in an IPv6 network, ensure that the unit on which the device's VNE is configured does not manage any other device in an IPv4 network.

Prime Network Vision

The following items pertain to Prime Network Vision:

- If you are using a Windows 7 system and want to use the Telnet option, you need to set up Telnet on the Windows 7 system as follows:
 - For Windows 7 32-bit systems, enable the Windows Telnet Client to use the Telnet option.
 - For Windows 7 64-bit systems, a solution is available on the Cisco Developer Network at http://developer.cisco.com/web/ana/forums/-/message_boards/message/2780108.
- For information on the maximum number of objects, links, tickets, and maps that Prime Network Vision can display, contact your Cisco account representative.

Physical Topology

- Physical link might disconnect if Layer 2 packets drop along the path.

The following actions might occur if a routing protocol (such as EIGRP) or other management protocol is enabled on a device on one side of the link and disabled on the device on the other side:

 - The topology link might disappear.
 - An Inconsistent Physical Link Discovery system event is generated.
- A static link exists in the system, and is displayed in Prime Network Administration, but the link is not displayed in Prime Network Vision in the map view.

This situation occurs if the static link is created while the dynamic link is connected.

To address this situation, do either of the following:

- Restart one of the VNEs that holds the static link.
- Recreate the static link while there is no dynamic link.
- Physical topology is incorrectly discovered if Layer 2 protocols are tunneled.

In Prime Network, the physical topology is incorrectly discovered if any of the following configurations exist:

- Layer 2 protocol tunneling in which one of the Layer 2 protocols (CDP, LLDP, or STP) is tunneled
- Port-based Xconnect
- Service instance configurations that tunnel untagged information

If enough traffic passes through these links, the link in Prime Network becomes flickering (repeatedly discovered and then disconnected).

After two cycles of discovery and disconnecting, Prime Network sends a system event announcing that the link is probably incorrect.

To address this situation, create a static link in place of the flickering link.

BGP Neighbors

When both IP and VPN capabilities are enabled between BGP neighbors, only the VPN capability state is displayed in the MpBGP neighbors table.

VLAN Tagged Interface Limitation

When a Layer 3 subinterface is configured on an Ethernet port with a range of VLAN tags as the first or second tag, the following occurs at the device level:

- In the ingress direction, the VLAN tags in the packet are matched with the tags defined on the subinterface. If a match exists, the tags are extracted from the packet, and the packet is sent for upper-layer handling. The functionality implemented in the device is the same as that implemented by Prime Network VNEs.
- In the egress direction, because there is a range of VLAN tags on the subinterface, the device does not know which tag from the range to apply to the packet. Some Cisco IOS devices, such as the Cisco ASR 1000 series and the Cisco 7200 series, apply the first tag in the range. However, this behavior is not consistent for all Cisco IOS or Cisco IOS XR devices.

As a result of the inconsistent behavior in the egress direction, Prime Network VNEs do not implement VLAN tagged interface functionality for this direction. If a flow in the egress direction reaches a subinterface with a range of VLAN tags defined, the flow stops.

Open Caveats in Prime Network 3.x

The following sections identify and describe caveats that are open against Prime Network:

- [Significant Caveats Before Using Prime Network 3.8, page 33](#) identifies significant caveats that require your attention before you start using Prime Network 3.8.
- [Outstanding Prime Network 3.8 Caveats that Were Resolved for Earlier Releases of Cisco ANA, page 33](#) identifies caveats that were identified after July 31, 2011 and fixed on releases of Prime Network prior to version 3.8.
- [Open Caveats in Prime Network 3.x, page 34](#) identifies other open caveats in Prime Network 3.x.

Each of the following subsections contains a table with the following information:

Field	Description
Identifier	A unique identifier for the issue. The tables are sorted by identifier in reverse order; that is, the most recent caveats are at the beginning of the table.
Title	A headline or brief summary for the caveat.

If you have a question about one of these caveats or a caveat that is not included in this document, we recommend that you use [Cisco Bug Toolkit](#). Cisco Bug Toolkit enables you to search for a caveat by identifier or product and version, and can provide additional details about the caveat, such as more information or that the caveat has been fixed.

Significant Caveats Before Using Prime Network 3.8

We recommend that you read the caveats in [Table 14](#) before using Prime Network 3.8 so that you understand the possible impact on your environment.

Table 14 *Significant Open Caveats in Prime Network 3.8*

Identifier	Title
CSCts12811	Change and Configuration Management backup jobs fail on IPv4/IPv6 dual stack setup
CSCto08456	Device package rollback does not work in a gateway and unit setup
CSCtl71330	Independent VNE installer: checks if the driver was already updated
CSCth89176	Cisco 6504 device with Cisco CatOS: CPU reaches 95% after modeling by Cisco ANA

Outstanding Prime Network 3.8 Caveats that Were Resolved for Earlier Releases of Cisco ANA

When a customer identifies a defect in Prime Network, the availability of the software that fixes that defect depends on when the defect was identified during the development process.

At the beginning of a development cycle, defects that are identified by customers against released versions of the product are scheduled for resolution in the current release. In addition, all fixes that were delivered as point patches or service patches to customers are included in the current release.

During the middle of the development cycle, customer-found defects are handled in one of the following ways, depending on the amount of risk associated with fixing the defect:

- Low-risk fixes are included in the current release.
- High-risk fixes are included in a service patch for the current release and are incorporated into the next release.

At the end the development cycle, customer-found defects identified against released versions of the product are either included in a point patch (PP) or service patch (SP), or are scheduled for inclusion in the next release, depending on their severity.

The caveats identified in [Table 15](#) were identified late in the Prime Network 3.8 development cycle and have been fixed for releases of Prime Network earlier than 3.8. The fixes for these caveats have been provided to customers as needed and are scheduled for inclusion in the next release.

Table 15 *Outstanding Caveats in Prime Network 3.8 that Were Resolved in Earlier Releases of Prime Network*

Identifier	Headline
CSCtr58821	MLPPP down ticket does not correlate to SPA card down ticket on Cisco ASR 1000 device
CSCtr30287	Port down ticket sometimes does not get cleared after the port comes back up
CSCtq39668	Cisco ANA 3.7.2 point patch upgrade fixes need to be applied to Cisco ANA 3.7.3 point patch
CSCtq04992	Overall memory consumed by the Solaris OS is twice the JVM heap size
CSCtn57568	The build up of old tickets can expand the nonarchived partition, affect performance, and cause dangling events (events that are not attached to tickets)
CSCtn04519	Power supply modules for Cisco CRS 8-slot devices running Cisco IOS XR software appear as individual slots on the chassis

Open Caveats in Prime Network 3.x

The following tables list the open caveats that affect Prime Network 3.8:

- [Table 16, Open Caveats in Prime Network 3.x](#)
- [Table 17, Device- and Device Software Caveats](#)

[Table 16](#) lists additional caveats, in descending order, that are open against Prime Network 3.x.

Table 16 *Open Caveats in Prime Network 3.x*

Identifier	Title
CSCua00824	ClassCastException in AVM log for VNE referencing ifHighSpeed OID
CSCtz36312	Incorrect command to enable VNE Staggering mechanism
CSCtz18645	Web server failed to startup after performing switchover or failover
CSCty90696	Cross launch of VCB from Manage in Suite mode does not work
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
CSCty43063	Upgrade to Cisco ANA 3.7.3 SP1 PP3 or later forces the user to recheck the ENS entries for System and Trap event types
CSCty36682	Unit becomes unreachable after installation
CSCtx00494	Upgrade failure when upgrading from ANA 3.7.3 to Cisco Prime Network 3.8 in the Red Hat high availability environment
CSCtx54365	After upgrading done running ana scripts failed due to Class not found
CSCtw82586	Recommended Solaris patch update
CSCtu42280	Notifications are not working as expected
CSCtu41821	VNE enters and stays in Currently Unsynchronized state
CSCtu15976	Pathtrace that should pass from a VLAN interface to a bridge stops at the VLAN interface
CSCtu15772	Some VPNs are not deleted after deleting relevant VNEs
CSCtu12098	VPN links are not discovered after moving a VNE
CSCtu08449	PW and L2 tunnel down traps are not correlated to an EFP down ticket
CSCtt99335	Command Builder script execution fails when commands are defined on a NGXP card and port connector
CSCtt98442	Some edge EFPs are associated to 2 VLANs, one of which is invalid
CSCtt98364	When adding a very large amount of VNEs (15,000) at the same time, some VPNs will not be discovered
CSCtt96125	Catalyst 4503 device is not modeled in GUI
CSCtt46945	Interface table not modeled for bridges on Nexus 7000 device
CSCtt43304	Inside and Outside VRF details are not modeled for a NAT 44 instance
CSCtt41552	Unit is not redefined after upgrade to Prime Network 3.8
CSCtt41323	Importing images to the repository fails for C3750, C7200, C3560, and ME340X series devices
CSCtt39828	LAG link is not rediscovered after making changes to VNEs
CSCtt28964	Network Vision map with full noise (208 EPS) activated does not respond when all elements are selected

Table 16 *Open Caveats in Prime Network 3.x (continued)*

Identifier	Title
CSCtt10154	VNEs reach Operational state before physical inventory is populated
CSCtt01448	Adding or editing a user-defined VNE by software version without selecting a scheme results in a null-pointer exception
CSCts90609	Setup replication script does not stop Prime Network on the gateway server high availability node
CSCts82544	Some OSPF interfaces and neighbors are not modeled for CRS device
CSCts78869	Unable to establish SSH connection after running Stop/Resume replication command
CSCts74413	MPLS link discovery is inconsistent
CSCts74266	VLAN service link between two Ethernet flow points (one on a switch port, the other on a Cisco 7600 service instance) is missing
CSCts63874	Incorrect BDF links might be discovered for a BDF configuration that has 2 of the same source IP addresses with different destinations
CSCts63063	ISIS neighbor data is not created for both IPv4 and IPv6 address families
CSCts60990	Moving a VNE to another AVM and then back causes some BGP and VPN links to disappear
CSCts59855	Ethernet flow points inside a network VLAN are incorrectly calculated as VLAN edges even though they are connected to each other
CSCts45734	In VLAN view, a path trace that ends on a LAG port does not run
CSCts40361	Duplicate MPLS-TP network service objects are not automatically removed
CSCts39840	BGP Neighbor Loss syslog is not correlated to Device Unreachable ticket
CSCts15613	LSE and MPLS soft properties added to a VNE are not visible in Inventory window
CSCts15541	Tickets generated for link down and LAG link down alarms on an unreachable device do not correlate
CSCts10451	"Ticket is in use" error occurs after running Remove command on a ticket
CSCts10091	SIP400 card down ticket on Cisco 7606S device creates separate card out ticket for its subslot SPAs
CSCts01836	Modification of destination and source port not reflected in Prime Network
CSCtr95905	In gateway server high availability setups, the standby database might stop applying redo and thus not synchronize with the primary database
CSCtr83226	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
CSCtr81979	OSPF neighbor down event may not correlate to link down or interface status down event
CSCtr77298	Duplicate switching entities are created after deleting and then recreating a VLAN
CSCtr70191	If more than five jobs are running and you reschedule a job (which is already triggered but yet to run), the rescheduled job runs twice
CSCtr69267	Extra EVCs are created for network VLANs whose bridge domain (that contains a terminating Ethernet flow point) is not recognized
CSCtr59590	ELAN VPLS HUB script fails to run because of missing command
CSCtr59244	Launching the gateway will take around 15 minutes when the gateway is started for the first time after installing Prime Network
CSCtr47998	After reloading a Cisco 7600 device, all related IP interface down events are not cleared
CSCtr37523	Links table may display links which have no context but are not marked as external
CSCtr23191	Edge EFPs are missing on network VLANs

Table 16 Open Caveats in Prime Network 3.x (continued)

Identifier	Title
CSCtr11676	After upgrade, AVM 11 starts with errors
CSCtr06712	VNE was detected as being unsupported and continued to run even though the agent was not already loaded
CSCtq94497	Multiple “Active IP interfaces found” events returned after shutting down an interface
CSCtq87812	Redundant link down ticket issued
CSCtq34912	Cannot open Cisco ANA Shell from the default Cisco ANA GUI menu
CSCtq33136	Migration: Restore database fails to start gateway
CSCtq26697	Missing VPN links on MPLS setup with IPv6 configuration
CSCtq06756	Duplicate BGP Link Down Due to Oper generated by Cisco ANA
CSCtq04992	Unit free memory decreases over time from 10-12 GB to 500 MB
CSCtq04481	High Availability: NTP servers are not synchronized
CSCto82042	After a P2MP tunnel's status changes from Up to Down, the change is not reflected in Prime Network
CSCto75365	BFD links are not removed from the GUI after clearing a BFD connectivity down ticket
CSCto67825	VSI presentation in inventory is not updated with pseudowires
CSCto67407	Add TE-Tunnel Rerouted or Reoptimized syslog and trap flow
CSCto16849	Duplicate Link Down on Unreachable tickets in card down scenario
CSCto13384	AVM 11 stops after continuous Find EVC by Name operations
CSCto10818	MAC address not modified in GUI for Ether bundle on Cisco IOS XR 12000
CSCto02471	Gateway CPU consumption reaches 100% during Config backup of 10,000 VNEs
CSCtn77815	Cisco ANA NSA: Attach Bandwidth Profile script fails-Cisco ME3800
CSCtn76375	Trunk service link is disconnected after configuring a static VLAN mapping that includes an inner VLAN tag
CSCtn70728	SCP backup failure caused by authorization
CSCtn63353	BFD and BGP events are not correlated to Bundle Interface Up/Down tickets
CSCtn57568	Monitoring and archiving dangling events and auto-clearing old tickets
CSCtn50033	Old DB files are not removed if DB is down during Embedded DB install
CSCtn49323	High Availability: Problem with multicast address
CSCtn29290	Opening ticket properties with a large number of correlated events times out
CSCtn20251	ana-conf asks twice for remote Oracle machine information
CSCtn10145	emdbctl -restore script does not accept environmental variables as input
CSCtn05357	emdbctl -restore command fails
CSCtn04519	Incorrect power supply hierarchy for Cisco CRS running Cisco IOS XR in Cisco ANA NetworkVision
CSCtl92858	Correct the mapping of RTM group number for non-Cisco devices
CSCtl76285	In a local installation, embedded database installation files are not validated
CSCtl74253	Cisco ANA NetworkVision issues an Insufficient Memory error and closes in large scale setup
CSCtl69665	ATM VC Table Encapsulation not created after migrating from Cisco ANA 3.6.5 to Cisco ANA 3.7.2
CSCtl56075	FRR Unprotected trap not correlated to Link Down alarm

Table 16 *Open Caveats in Prime Network 3.x (continued)*

Identifier	Title
CSCtl23101	Moving AVMs operation fails; not all AVMs are moved between units
CSCtl22749	VNE flapping due to time synchronization issue
CSCtl12886	Cisco ASR 9000 series power supply redundancy state and configured value are None
CSCtl12761	Fix upgrade.pl warning for uninitialized value
CSCtl08804	Incorrect behavior for backup directory when running restore
CSCtl08357	Event handling issues occur 25 minutes after system cold restart
CSCtl07781	Yes or no questions during the embedded database installation accept incorrect input
CSCtl03963	Embedded database: Path for destination cannot contain underscore (_) or dash (-)
CSCtl00393	Some 10GigabitEthernet port location information is marked as Unknown
CSCtk95873	Discovery protocol disappears from Cisco ANA NetworkVision physical inventory after a change
CSCtk95452	Migration: anactl start halts after upgrade step fails
CSCtk68092	Layer 2 tunnel down alarm is not generated if a neighbor or cross-connect is removed
CSCtk67684	Pseudowire tunnel container is removed when all tunnels are removed
CSCtk65010	Wrong serial connection through CDP in MLPPP technology
CSCtk64981	The TFS update command does not have a validateRequest method
CSCtk57982	Soft Property command in debug takes too long
CSCtk10574	Cisco ANA does not have an IS-IS Neighbor tab for Cisco 7600 devices
CSCtk00267	Migration: Legacy scripts from Cisco ANA 3.7.1 disappear after migration
CSCtj97320	OSPFv3 Routing Neighbor Down syslog on Cisco IOS XR does not correlate to OSPF interface
CSCtj92252	VNE restarts due to software version change
CSCtj77809	BGP Neighbor Down VRF syslog not correlated to BGP Link Down VRF due to Admin ticket
CSCtj61896	Running images are not recognized
CSCtj44001	Cisco SFP-10GBase- CUxM does not return the proper vendor OID
CSCtj32671	Port 162 appears to be occupied when IP address contains "162"
CSCtj30236	LAG link is not rediscovered after clearing and removing the ticket
CSCtj19233	Cisco RSP 720 removal redundancy state ticket is issued only after reinsertion.
CSCtj03925	Physical and Ethernet links disappear after moving and restarting AVM
CSCti93564	Cannot start new AVM 100 on unit when unit with old AVM 100 is down
CSCti79028	CCO credentials are passed in clear text through internet
CSCti25818	BGP State Change trap is not processed if source peer is from the VPN IPv6 table
CSCti05580	BFD with registered protocols of OSPF and BGP link topology not discovered
CSCth96692	Cisco ANA 3.7.1 Upgrade: After upgrade, deleting old Cisco ANA user results in exception
CSCth79757	VNE "Connecting" communication state is misleading
CSCth58175	Cisco ASR 9000 devices: OSPF processes do not show serial interfaces in GUI
CSCth36256	Generate two separate tickets regarding link down and up

Table 16 *Open Caveats in Prime Network 3.x (continued)*

Identifier	Title
CSCth30478	Error messages sometimes appear when trying to connect devices that were once connected to the cloud and later removed back to the cloud
CSCth22846	Proxy for AVM 25 does not work in high availability (HA) scenarios
CSCth17529	Business Element Not Found error when trying to add an EVC to a map
CSCth01054	Cisco ANA models Cisco 3750g fiber optic ports as RJ45 ports
CSCtg97318	Link between Cisco ME3400 with REP Edge No Neighbor to Cisco ASR 9000 not discovered
CSCtg96406	Cleared ticket not appearing as blue although correlated with Info alarm
CSCtg57041	Using Filter in Cisco ANA EventVision for large table of Syslog
CSCtg56888	Missing VlanInterface notification when moving switchport to routed
CSCtg54230	ATM IMA cards do not populate Loopback, Framing, or Scrambling values
CSCte63920	Creating a cross-connect in an ATM cloud takes a long time
CSCte10891	Migration: Small-scale migration takes longer than large-scale migration
CSCte10299	Incorrect exception is returned for nonexistent ticket via BQL
CSCtd31461	Cannot attach a business tag to BGP neighbors
CSCtd28734	SSH with Cisco ASR 9000 series devices causes VTY syslogs
CSCtd15593	Cisco ANA 3.7 Migration: Static links between a cloud and router are lost
CSCtc61567	For bundle interfaces and subinterfaces, protocol information is not displayed for ports
CSCtb54145	Redundant Martini tunnel status is not updated
CSCtb40790	Wrong physical links are discovered with Cisco Discovery Protocol (CDP) when service instances are configured with encapsulation untagged
CSCta47166	Inconsistency between Path and Path Details possibly because of LAG
CSCta33768	Local switching is not supported on physical interface scenarios
CSCta08126	Subinterface not discovered
CSCsz81967	BQL adapter does not raise an error when a BQL command contains invalid data
CSCsz61942	Filter ticket does not work in VPN map view
CSCsz33626	Cisco 4503 device: Dynamic VLAN type is shown as static VLAN

Open Device and Device Software Caveats

Table 17 describes caveats related to specific devices or versions of device software.

Table 17 *Device- and Device Software Caveats*

Identifier	Title
CSCtu23875	Image distribution fails while data transfers from external location to device
CSCtu11656	SNMP Link Down/Up ticket associated with wrong interface
CSCtu00707	Port Security properties for Cisco ME 3400 device are not populated
CSCtt46925	VC table and cross connect information not modeled for ATM port on Cisco 7600 device

Table 17 *Device- and Device Software Caveats (continued)*

Identifier	Title
CSCtt46916	OSPFv3 neighbors are not modeled for Nexus 7000 device
CSCtt44288	For both IOS and IOX devices, BGP does not model in Prime Network if the BGP AS number contains a dot
CSCtt43809	OSPF neighbor down alarm is not parsed from Cisco 3825 device
CSCts79008	Memory usage information is not available for Nexus 5000 device
CSCts75628	CDP neighbors detail command does not list all IPv4 and IPv6 entries on IOS XR platform
CSCts74887	MPLS LDP does not support IPv6-only interfaces on IOS XR platform
CSCts48120	MPLS LDP session up trap is not correlated to Link up ticket for Cisco 3800 device
CSCts31097	ATM IMA modeling issues occur on Cisco 7200 device with PA-IMA-E1 and PA-IMA-T1 modules
CSCts23284	VLAN interfaces on Catalyst WS-C4948 devices are not modeled properly
CSCtr95939	CSC pathtrace fails because of wrong Top Label in the path.
CSCtr56846	Investigation State for a device does not match its Communication State
CSCtr42741	In Admin mode, Prime Network Change and Configuration Management may copy the running configuration instead of the admin configuration
CSCtq61849	Activating Image Command Builder script fails
CSCtq61427	Some of the registrations fail in the LCM report and return the "Error Unrecoverable" message
CSCtq36525	Wrong PID shown for transceiver/SFP modules for Nexus 7000 device

Resolved Caveats in Prime Network 3.8

[Table 18](#) identifies the caveats resolved in Prime Network 3.8.

Table 18 *Caveats Resolved in Prime Network 3.8*

Identifier	Title
CSCtq24793	Ticket Property: Correlation Tab export does not include Severity or Alarm ID
CSCtq24603	Column names in Cisco ANA EventVision differ from Filter dialog box fields
CSCtq22416	Power Down scenario results in 2 identical Device Unreachable tickets
CSCtq22377	Line Up/Down syslog message not associated with EFP
CSCto99302	Missing association for cefc FRU Removed traps on Cisco ASR 9000 devices
CSCto93602	Cannot change to a previous password after unchecking the Last 5 Passwords check box
CSCto85755	Cisco IOS XR Report - Support ModularOS OS version
CSCto76048	File transfer of Detailed Traps Report is very slow for PDF files
CSCto76046	When switching over in H/A, VNEs become stuck in Maintenance mode
CSCto36079	IP interface link is not modeled for Port Channels on Cisco Nexus 7000 series devices
CSCto14308	Embedded restore script starts Prime Network at the end of the restore procedure
CSCtn92232	V1 traps are not displayed in Cisco ANA NetworkVision if varbind list is empty
CSCtn91692	Dashboard indicates wrong number of config changes

Table 18 *Caveats Resolved in Prime Network 3.8 (continued)*

Identifier	Title
CSCtn80861	Restarting AVM 35 does not load the Vlansnapshot plugin
CSCtn14287	Trap forwarder does not remove managed device from source selection
CSCti99705	Cisco GSR with Cisco IOS XR: Average CPU utilization is high
CSCti86011	Cisco ANA continues polling deleted context causing higher CPU util.
CSCti81475	Link severity color and ticket in Link Properties window are not cleared
CSCti74073	Aggregation in service VLAN is not updated correctly after change
CSCti55953	After restart, a redundant Link Down ticket is created with the wrong source
CSCti50597	Polling interval changes for CPU usage command for Cisco ASR 1000 and Cisco ACE 4710 devices
CSCti53354	EVCs do not merge as expected
CSCti11382	Available storage value is incorrect for Cisco ASR 1000 series devices
CSCti11375	Duplicate Link Down in card out scenario on Cisco 7600-SIP-400
CSCtk94478	BGP Link Down ticket is not cleared if it is brought up while the VNE is down
CSCtk94470	Config Archive does not work with SNMPv3
CSCtk74703	Layer 1 and Layer 2 links disappear from map
CSCtk60990	Cisco ANA places an interface under the wrong VRF
CSCtk59514	Unit remains unreachable after deleting it and readding it as a redundant system
CSCtk57848	Cisco ASR 1006 devices are partially discovered and other issues
CSCtk36262	Cisco Catalyst 6500 series devices modeled for event-based polling
CSCtk17339	Duplicate XID when modeling subinterfaces with long numbers
CSCtj61588	Ticket operation requires OperatorPlus role in default and device permissions
CSCtj50361	Duplicate Link Down ticket due to Card Out event
CSCti95423	Modeling Cisco CatOS takes a long time
CSCti87268	Card Out ticket not cleared after switchover on Cisco Catalyst 6506 device
CSCth66425	Few EVC left in the database after VNE is removed
CSCth55619	Pseudowire tunnel down expedite
CSCtn20150	Cisco ANA point patch installation removes Cisco ANA NSA from GUI
CSCtq36713	CE scale: Messages are dripped in service link discovery plugin mailbox
CSCtq12552	Missing service links for configurations with LAG and VLAN mappings
CSCtq12003	Missing expediting for EFP status in Subinterface Down scenario
CSCtq07146	EFD of VLAN with MUX-UNI EFP not updated when the port moves to new EFD
CSCtq01209	ARP table is not modeled for all contexts in Cisco Nexus 7000 devices
CSCto83122	Real EFP is not created for subinterface on switchport (MUX-UNI)
CSCto83099	Missing physical link when LLDP is configured
CSCto70516	Reconciled cross-connects cannot be deleted from Cisco ANA NetworkVision
CSCto65210	Missing ticket for Layer 2 tunnel
CSCto38659	Some properties in VRF route tables are not modeled properly

Table 18 *Caveats Resolved in Prime Network 3.8 (continued)*

Identifier	Title
CSCto33925	Service report - Using uppercase in BQL returns incorrect data
CSCto17286	CPU Usage history data is not updated in Cisco ANA NetworkVision
CSCto14333	Cisco GSR XR EVNE: Ethernet link aggregation not changed from Manual to LACP
CSCto11108	Search Business Elements times out in a scale setup
CSCto04240	Wrong file modeling in Cisco ACE 4701
CSCtn99290	Cisco ANA support for 64-bit SNMP counters for interfaces above 20 Mb/s
CSCtn95631	Initial Config Syncup fails to back up some devices
CSCtn86935	Port with VLAN mapping port neighbor does not have EFD
CSCtn86388	Pure IPv6 interface does not connect to a cloud
CSCtn83509	VRF GUI throws cast error on product for Cisco GSR with Cisco IOS XR
CSCtn76453	Cannot change to Cisco ANA authentication if LDAP URL field is empty
CSCtn61354	Cisco ANA NSA activation scripts fail with NMS-in-a-box setup
CSCtn49495	Moving VNE to maintenance generates Device Partially Reachable ticket
CSCtn49457	Cisco ANA NSA cannot add activations to Cisco ME3800/ME3600 ports that do not contain SFPs
CSCtn29088	Separate entries for subinterfaces with VLAN encapsulation in Cisco ANA NV
CSCtn28701	Cannot set AVM35 memory higher than 3.5 Gb via Prime Network Administration
CSCtn13342	IP interface for IPv6 is not modeled if IPv4 is also configured
CSCtn10139	Bundle location on Frame Relay cloud port is inconsistent
CSCtn05725	Admin and Oper status are displayed as out of bound on cloud E1 ports
CSCtn02690	Ethernet flow point is not generated for subinterface under VLAN interface
CSCtn02603	If RMAN issues an error, Cisco ANA generates a Backup Failed event
CSCtl85288	Filter does not work in the All tab in Cisco ANA EventVision
CSCtl82997	Ethernet MAC links are not discovered when VNEs are in different units
CSCtl42889	OSPF-5-ADJCHG Up Status syslog does not expedite BFD session command for Cisco 76xx
CSCtl25159	Modeling issue during Card Down scenario on Cisco ASR 9000 series device
CSCtl20750	Solaris unit installation fails
CSCtl19666	Table Filter: Device list table does not reapply filter on data change
CSCtl15545	AVM stuck in Shutting Down state for two minutes
CSCtl08946	VSI status and VSI Down ticket are not updated after VSI returns to Up status
CSCtl06476	PE-CE BGP Neighbor Link Down VRF alarm is not always generated
CSCtl01322	Layer 2 tunnel ticket is not cleared after bringing the AVM up while the VNE is down
CSCtk94480	LAG ticket is not cleared after bringing it up while the VNE is down
CSCtk68058	PBB core bridge missing I-Bridge and B-Bridge mapping
CSCtk68010	Cisco ANA fails to complete path trace across the core
CSCtk67889	Administrator user with new scope cannot view VNE properties
CSCtk60925	Cisco ANA does not discover VRF interfaces for FrameRelay multilink subinterfaces

Table 18 *Caveats Resolved in Prime Network 3.8 (continued)*

Identifier	Title
CSCtk47452	BFD is not detected when configured under eBGP and IS-IS
CSCtj96817	VLAN interface information is displayed multiple times under the same port
CSCtj81523	No definition for the subtype <i>stop flapping non cleared</i> for type MPLS.
CSCtj77076	AVM 100 error: Error writing snmpv3_engineboots to Golden Source
CSCtj44309	Exception while reading ATM virtual path (VP) counters
CSCtj41544	Ticket regarding link down is cleared although the link remains down
CSCti87240	LAG topology is reconnected before LAG status changes to Up
CSCti42005	Cisco 7200 device link filter discovery is not layer-specific in Cisco ANA
CSCti03063	Port down on device results in Device Lost Reachability ticket delay
CSCth83849	Problem with BFD link hyperlink and link color on alarm
CSCth72801	Dual-port modeling does not work as expected
CSCtg65527	Cisco IOS XR devices: VPN ID is incorrect
CSCtg60410	GUI ignores icons in Scalar Notification on OID property
CSCtg16978	VNE duplicate alarms regarding module, memory, CPU, and card down
CSCte83085	Corresponding ATM interfaces are not displayed in Cisco ANA for ATM-IMA interfaces for Cisco 7200 series devices
CSCtd50358	IPoDWDM: Trace detail script fails in Cisco CRS device with Cisco IOS XR 3.9.0 image
CSCtd46449	IPoDWDM: Configuring Laser state script fails for Cisco CRS devices running Cisco IOS XR 3.9.x
CSCta70258	IP SLA Trap Ticket information does not contain rttMonEchoAdminLSPselecto

Closed Caveats in Prime Network 3.8

[Table 19](#) identifies the caveats that were closed in Prime Network 3.8. For more information on a specific caveat, click the identifier hyperlink to view the caveat in Cisco Bug Toolkit.

Table 19 *Closed Caveats in Prime Network 3.8*

Identifier	Title
CSCtt13433	Microsoft Internet Explorer and Mozilla Firefox browser issues
CSCts66863	During HA installation, the same network interface name is be assigned to all nodes
CSCts36612	LSP down and MPLS-TP tunnel down tickets do not correlate to root cause of the corresponding event
CSCtr69565	GUI installation issues sometimes occur when working in Microsoft Windows using dual monitors
CSCtr50917	Auto Add AVMs button is not disabled while AVMs are starting up
CSCtr03823	Database contents after a clean installation of Prime Network 3.8 with Prime Network Change and Configuration Management and an upgrade from Prime Network 3.7.3 differ
CSCtr23393	Inapplicable rule option on dynamic group
CSCtq94641	If super menu is opened and the user clicks on the content area (table data area), the super menu does not close automatically

Table 19 **Closed Caveats in Prime Network 3.8 (continued)**

Identifier	Title
CSCtq90893	Wrong percentage in Top Families
CSCtq31976	Ethernet flow points connected via an intraservice link are discovered as edge Ethernet flow points in the EVC
CSCtn93272	Change and Configuration Management GUI: Job Details window jumps up when clicking on refresh
CSCtn53308	Removing many EVCs from a map takes longer than with Cisco ANA 3.7.2
CSCto64315	Handling of unsupported VNE is inconsistent
CSCto06832	Embedded installation fails when creating database files under <DB_OS_Home_Dir>/oradata/anadb due to insufficient privileges
CSCtk94901	Memory consumption is higher than Cisco ANA 3.7.1
CSCti15411	Tickets lose trap data and values if active more than archive time
CSCtn39384	Browser does not respond when using Tab key in Configuration Viewer
CSCtn39202	Cannot copy from Configuration Viewer with Microsoft Internet Explorer
CSCtn39033	GRE Tunnel Down causes the GRE tunnel to disappear
CSCtl99850	Local switching entity is not modeled in Cisco ANA NetworkVision
CSCtl73963	Null Pointer Exception in GUI when running specific MAC path trace
CSCtl45071	Partially reachable tickets are not cleared
CSCtl22533	Memory leak in AVM 11 after unit clock jump
CSCtl22519	Network license cannot acquire more than 10K licenses per group
CSCtl11024	Deadlock in AVM 11 after stopping the license server
CSCtk67707	Cannot deactivate TDM pseudowire operation
CSCtj40515	CDP table port hyperlink and port status do not update correctly
CSCtj33061	IPv6 command is not supported in Cisco NX-OS version 4.2
CSCtj03972	Cisco ME3600X and ME3800x series devices: Port-channel modeling changes
CSCth25775	SONET bundles are not modeled for Cisco 7200 devices
CSCta46622	LAG topology between MSTP and PVSTP devices is not discovered

Related Documentation



Note

We sometimes update the documentation after original publication. Therefore, you should also review the documentation on Cisco.com for any updates.

The following documentation is available for Prime Network 3.8:

[Cisco Prime Network 3.8 Administrator Guide](#)

[Cisco Prime Network 3.8 Customization User 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 Release Notes](#)

[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 Activation User Guide](#)

[Cisco Prime Network 3.8 Activation Customization Guide](#)

[Open Source Used in Cisco Prime Network 3.8](#)

[Cisco Prime Network 3.8 Integration Developer Guide](#) is available on the Cisco Prime Network Technology Center website. 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). It 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>.

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