



# Cisco Prime Optical 10.0 Release Notes

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**April 15, 2014**

These release notes provide an overview of the release and describe how to access bugs for Cisco Prime Optical 10.0.



**Note**

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You can access the most current Prime Optical 10.0 documentation, including these release notes, online at

<http://www.cisco.com/c/en/us/support/cloud-systems-management/prime-optical/tsd-products-support-series-home.html>.

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## Introduction

Cisco Prime Optical (formerly Cisco Transport Manager) is a carrier-class, multitechnology management system that integrates the end-to-end management of traditional transport networks and new carrier packet transport networks. It can help maintain the integrity of existing services, plus deliver interactive, content-based services and high-bandwidth applications.



Cisco Prime Optical manages the entire Cisco optical portfolio, including:

- Metro core
- Metro dense wavelength-division multiplexing (DWDM)
- Metro edge and access products
- Cisco Network Convergence System (NCS) 2002 and NCS 2006
- Carrier Packet Transport (CPT) System products

Prime Optical also serves as a foundation for integration into a larger overall Operations Support System (OSS) environment by providing northbound gateway interfaces to higher-layer management systems.

## New Features and Enhancements

Table 1 describes new features and enhancements in Prime Optical 10.0.

**Table 1** *New Features and Enhancements in Prime Optical 10.0*

Feature Update	Description
<b>Installation Enhancements</b>	
Third-party tools	The following third-party tools have been upgraded for Prime Optical 10.0: <ul style="list-style-type: none"> <li>• Apache 2.2.26</li> <li>• Java 7</li> <li>• Tomcat 7.0.42</li> <li>• ActiveMQ 5.8.0</li> <li>• CAS 3.5.2</li> </ul>
<b>Server/Client Platform Enhancements</b>	
Support for 16-WXC-FS card	Prime Optical supports the new 16-WXC-FS card with the following functionalities: <ul style="list-style-type: none"> <li>• card provisioning</li> <li>• performance monitoring</li> <li>• TCA support</li> <li>• inventory and fault management</li> </ul>
Support for 100G-CK-C card	Prime Optical supports the new 100G-CK-C card with the following functionalities: <ul style="list-style-type: none"> <li>• Card mode provisioning</li> <li>• CC channel and payload support</li> <li>• PPM, TTI, Payload, Inventory and FEC provisioning</li> <li>• GCC, Y-cable and proactive protection support</li> <li>• Support of new pluggables                             <ul style="list-style-type: none"> <li>– CPAK-100G-SR10 with 100GE/OTU4 and 40GE payloads</li> <li>– CPAK-100G-LR4 with 100GE/OTU4 payloads</li> </ul> </li> </ul>

**Table 1** *New Features and Enhancements in Prime Optical 10.0 (continued)*

<b>Feature Update</b>	<b>Description</b>
Support for RAMAN amplifier cards	<p>The element management system manages the following EDFA+Raman Amplifiers:</p> <ul style="list-style-type: none"> <li>• EDRA-1-26</li> <li>• EDRA-2-26</li> <li>• EDRA-1-35</li> <li>• EDRA-2-35</li> </ul> <p>The EDRA cards provide the following functionalities:</p> <ul style="list-style-type: none"> <li>• inventory and fault management</li> <li>• installation</li> <li>• performance monitoring</li> <li>• TCA support and Span Loss measure</li> </ul>
Support for Passive units	<p>Prime Optical 10.0 supports the following passive cards:</p> <ul style="list-style-type: none"> <li>• MF-4x4-COFS</li> <li>• MF-MPO-8LC</li> <li>• MF-DEG-5</li> <li>• MF-UPG-4</li> <li>• MF-16AD-CFS</li> </ul>
Support for new Cisco Network Convergence System (NCS2K) NE and CTC-Based NE release 10.0 and 10.0.1	<p>The EMS shall be able to manage, add and discover a Network Convergence System (NCS) Network Element. The NCS2002 will act as a M2 and the NCS2006 will act as a M6 with a limited list of legacy cards supported.</p> <p>The introduction of the Flex-Spectrum functionality will split the Network Elements in two families depending on the package installed on the node:</p> <ul style="list-style-type: none"> <li>• Flex nodes—the nodes able to support Flex-Spectrum and extended C band management (96 channels ITU-T)</li> <li>• Legacy nodes—the MSTP nodes working with the fixed ITU-T channels in standard C band (80 channels)</li> </ul> <p>Prime Optical 10.0 expands the scope to include operations, administration, management, and provisioning (OAM&amp;P) for the following NE releases:</p> <ul style="list-style-type: none"> <li>• Cisco NCS 2002 SONET</li> <li>• Cisco NCS 2002 SDH</li> <li>• Cisco NCS 2006 SONET</li> <li>• Cisco NCS 2006 SDH</li> </ul>

**Table 1** *New Features and Enhancements in Prime Optical 10.0 (continued)*

Feature Update	Description
New Circuit Wizard	<p>Implementation of a new Circuit Wizard integrated with the new Network Map and capable of provisioning circuits.</p> <p>The new wizard has a new look and feel with drawers and helps the user during the selection of the parameters required to create a new circuit.</p> <p>The new wizard also supports provisioning of new WSON and UNI parameters.</p> <p>Prime Optical 10.0 supports OCHCC circuit built on a OCHTrail circuit with regeneration group along with the possibility to have different wavelength on regeneration.</p>
GUI Table Enhancements	<p>The Alarm Browser and Alarm Log tables have been redesigned for:</p> <ul style="list-style-type: none"> <li>• improved performance</li> <li>• enhanced filtering and display capabilities with the new custom views</li> </ul> <p>Prime Optical supports customizing the views on the Alarm Browser and Alarm Log in the following ways:</p> <ul style="list-style-type: none"> <li>• Simple Filter—Enables you to filter data based on on a search text.</li> <li>• Custom View—Enables you to customize the view. Customizations include: filtering data based on a set of conditions, hiding or displaying columns, defining the sorting criteria, defining the width and order of the columns.</li> <li>• Manage Custom Views—Enables you to save, edit, or delete the existing customized views in the Alarm Browser and alarm log.</li> <li>• Auto-Refresh—Allows you to enable automatic update of the Alarm Browser and alarm log.</li> <li>• Quick Filter—Allows you to apply an additional filter on the data displayed on the current page.</li> </ul>
DWDM Enhancements	<p>This release supports the following functionalities:</p> <ul style="list-style-type: none"> <li>• 80 character support for port names</li> <li>• IB-5G payload support for 10x10G_LC card</li> <li>• New Static card modes for the AR_XPE card</li> </ul>
Support to limit the concurrent user sessions	<p>Prime Optical 10.0 supports the limitation of the number of concurrent user sessions.</p>
OMS Link Layer	<p>Prime Optical 10.0 supports the possibility to create manual links at OMS Layer, between 15454xx/NCSxx NEs. For these links, it is possible to open another Link Table with used OTS links.</p> <p>For OCHNC/OCHTRAIL circuits you can open a OMS Link table. For an OTS link in Link Table, it is possible to open a Link Table with OMS links that use that OTS link.</p>
OPS Link Layer	<p>LMP links and OCH links are now shown by GUI with OPS layer (Optical Physical Section).</p>

**Table 1** *New Features and Enhancements in Prime Optical 10.0 (continued)*

Feature Update	Description
WSON Circuit Enhancements	New attributes added to the WSON report.
Support for 96 channel grid	The circuit wizard supports the 96 channels grid on NCS2K NEs including Flex Spectrum that support the following cards and optical passive units for OCHNC, OCHCC, and OCHTrail circuits: <ul style="list-style-type: none"> <li>• 16-WXC-FS</li> <li>• EDRA</li> </ul>

## Prime Optical-Supported NE Software Releases

Before updating the software image on an NE, verify whether the NE software version is supported in this Prime Optical release. If you add an unsupported NE software version, the Prime Optical server might not communicate with one or more NEs in the domain, causing erroneous behavior.



### Caution

Prime Optical 10.0 does not support ONS 9.81 and 9.81x software release.

For a list of NE software releases supported in Prime Optical 10.0, see [Cisco Prime Optical 10.0 Supported Devices](#).

# Deprecated and Removed Features

Table 2 lists the deprecated and removed features as of Prime Optical 10.0 release.

**Table 2** *Deprecated and Removed Features*

Feature	Status
<b>Removed Features</b>	
Support for Solaris operating system	Deprecated.

## Using the Bug Search Tool

This section explains how to use the Bug Search Tool to search for a specific bug or to search for all bugs in a release.

- Step 1** Go to <http://tools.cisco.com/bugsearch>.
- Step 2** At the Log In screen, enter your registered Cisco.com username and password; then, click **Log In**. The Bug Toolkit page opens.



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

- Step 3** To search for a specific bug, enter the bug ID in the Search For field and press **Enter**.
- Step 4** To search for bugs in the current release:
  - a. To search for bugs in the current release, click **Select from list** link.  
The Select Product page is displayed.
  - b. Choose **Cloud and Systems Management > Optical Management > Cisco Prime Optical > Cisco Prime Optical 10.0**.
  - c. Click **OK**.
  - d. When the search results are displayed, use the filter tools to find the types of bugs you are looking for. You can search for bugs by status, severity, modified date, and so forth.



**Note** In the search results, the headlines and Release-note enclosures might contain both *Cisco Prime Optical* and *Cisco Transport Manager* product names. For example, if a bug applies to both Prime Optical 10.0 and CTM 9.2, the headline and Release-note enclosure contain the earlier CTM product terminology.



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

## Related Documentation

See the [Cisco Prime Optical 10.0 Documentation Overview](#) for a list of Prime Optical 10.0 guides.

## Accessibility Features in Prime Optical 10.0

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

## Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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

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