

Release Notes for Cisco NCS 2002 and NCS 2006, Releases 10.0.1.x

First Published: 2014-04-10

Last Modified: 2015-01-16

Text Part Number: OL-31353-03

Release Notes



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This Release Notes document contains information about new features and enhancements, in the Cisco platforms.

Cisco also provides Bug Search Tool, a web resource for tracking defects. To access Bug Search Tool, visit the following URL: <https://tools.cisco.com/bugsearch>.

Revision History

Date	Notes
January 2015	Revised the part number and added the Critical Bug Fixes in Release 10.0.1.2, on page 2 section.
September 2014	Added procedure to search for bugs in Bug Search Tool.
July 2014	Revised the part number and added the Critical Bug Fixes in Release 10.0.1.1, on page 2 section.
April 2014	This is the first release of this publication.

Software and Hardware Requirements

Before you begin to install the software, you must check whether your system meets the following minimum software and hardware requirements:

- Hardware—Intel Core i5, i7, or faster processor. A minimum of 4 GB RAM, 100 GB hard disk with 250 MB of available hard drive space.
- One of the following operating systems:
 - Windows 7, Windows Server 2008, or later
 - Apple Mac OS X
 - UNIX workstation with Solaris Version 9 or 10 on an UltraSPARC-III or faster processor, with a minimum of 1 GB RAM and a minimum of 250 MB of available hard drive space.
 - Ubuntu 12.10
- Java Runtime Environment—JRE 1.8 and later.
- Java version 8.0
- Browser:
 - Internet Explorer
 - Mozilla Firefox
 - Safari
 - Google Chrome

Critical Bug Fixes in Release 10.0.1.2

The following critical issues have been resolved in Release 10.0.1.2:

- The USB-WRITE-FAIL alarm is raised on the node controller when a bulk performance monitoring parameter query is run on a large multi-shelf configuration.
- The OTUK-LOF alarm is raised on the trunk port of the 100G-LC-C card and 100G-CK-C cards configured in transponder mode.

Critical Bug Fixes in Release 10.0.1.1

The following critical issues have been resolved in Release 10.0.1.1:

- The 9.2.1.3 release cannot be upgraded to 10.0.1.
- Cisco 10.0 and 10.0.1 releases are vulnerable to OpenSSL vulnerabilities documented at CVE-2014-0076 and CVE-2014-3470. The 10.0.1.1 release contains the fix for the vulnerabilities.

Critical Bug Fixes in Release 10.0.1

The following critical issues have been resolved in Release 10.0.1:

- The GMPLS circuit cannot be created in CTC when the working and protect Protection Switching Module (PSM) is on the same omni-directional side.
- On a ONS 15454 M6 shelf with a single control card, the shelf controller loses its configuration after a software upgrade or a control card reset.
- When the user launches CTC using JRE 1.7, Java security warnings for self-signed certificates and untrusted libraries do not appear.

New Features for Release 10.0.1

This section highlights new features for Release 10.0.1. For detailed documentation of each of these features, see the user documentation.

Hardware

The 100G-CK-C and 100ME-CKC cards support the CPAK-100G-SR10 client interface for the 2x40GE payload.

Software

These software enhancements have been introduced in Release 10.0.1.

VTXP Enhancements

- The user can create the OCH Trail circuit using the Network Functional View (NFV) of the virtual transponder (VTXP) on the router's UNI-C interface. CTC can set the circuit constraints on the UNI interface before configuring the UNI-C interface on the router.
- CTC supports performance monitoring at ODU layer in VTXP router node view.
- If loopback is configured on the VTXP port, CTC prevents the creation of OCHCC circuit and displays a warning message.
- CTC discovers routers only when the UNI interface is enabled on the VTXP port on the MSTP node.
- The user can configure the expected circuit wavelength for VTXP using CTC.
- The user can regenerate a circuit that is created from UNI interface or VTXP.

GMPLS Enhancements

- The user can create a GMPLS UNI circuit when VTXP UNI is enabled in CTC.
- The user can either specify a mandatory or preferred wavelength for routing while creating the GMPLS circuit using CTC.
- The user can upgrade an existing GMPLS circuit from the legacy signaling to the new signaling that supports the LOGO (Local Optimization Global Optimization) and regeneration features on the GMPLS circuit.

Transaction Language 1 (TL1)

This section contains a list of new commands, command syntax changes, and command response changes that have been introduced in Release 10.0. For detailed information on TL1, see the .

New TL1 Commands

No new commands are added in Release 10.0.1.

Command Syntax Changes

The syntax of these commands have changed in Release 10.0.1:

- ED-UNICFG
- ENT-UNICFG
- RTRV-UNICFG

Command Response Changes

The command responses of these commands have changed in Release 10.0.1:

- RTRV-CPS

Cisco Bug Search Tool

Use the Bug Search Tool (BST) to view the list of outstanding and resolved bugs in a release.

BST, the online successor to Bug Toolkit, is designed to improve the effectiveness in network risk management and device troubleshooting. The tool allows partners and customers to search for software bugs based on product, release, and keyword, and aggregates key data such as bug details, product, and version. The tool has provision to filter bugs based on credentials to provide external and internal bug views for the search input.

The BST is available at [Bug Search](#). To search for a specific bug, go to <https://tools.cisco.com/bugsearch/bug/bugid>. For more information on BST, see [Bug Search Help](#).

Search Bugs in BST

Follow the instructions below to search bugs specific to a software release in BST.

Procedure

- Step 1** Go to <https://tools.cisco.com/bugsearch/>.
You will be prompted to log into Cisco.com. After successful login, the Bug Toolkit page opens.
- Step 2** To search for release specific bugs, enter the following parameters in the page:
- a) Search For — Enter **ONS 15454** in the text box.
 - b) Releases — Enter the appropriate release number.
 - c) Show Bugs — Select **Affecting or Fixed in these Releases**.

Step 3 Press **Enter**.

Note:

- By default, the search results include bugs with all severity levels and statuses. After you perform a search, you can filter your search results to meet your search requirements.
 - An initial set of 25 search results is shown in the bottom pane. Drag the scroll bar to display the next set of 25 results. Pagination of search results is not supported.
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Additional References

Related Documents

Use this document in conjunction with the other release-specific documentation listed in the table below:

Technical Assistance

Link	Description
http://www.cisco.com/support	<p>The Cisco Support website provides extensive online resources, including documentation and tools for troubleshooting and resolving technical issues with Cisco products and technologies.</p> <p>To receive security and technical information about your products, you can subscribe to various services, such as the Product Alert Tool (accessed from Field Notices), the Cisco Technical Services Newsletter, and Really Simple Syndication (RSS) Feeds.</p> <p>Access to most tools on the Cisco Support website requires a Cisco.com user ID and password.</p>

Short Description

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