Release Notes for Cisco NCS 2000 Series, Release 11.1.1.2

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Release Notes



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This Release Notes document contains information about new features and enhancements, in the Cisco NCS 2000 Series platforms.

For the latest version of the Release Notes for Cisco NCS 2000 Series, visit this URL:

http://www.cisco.com/c/en/us/support/optical-networking/network-convergence-system-2000-series/products-release-notes-list.html

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

Revision History

Table 1: Revision History

Date	Notes
June 2023	Updated with **TLS Version Support** section.
August 2020	Added the Critical Bug Fixes in Release 11.1.1.2 section.
June 2020	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

Documentation Roadmap

Use the documentation roadmap to quickly access publications of Cisco NCS 2000 Series, Release 11.x.x
https://www.cisco.com/c/en/us/td/docs/optical/r11/ncs/doc-roadmap-ncs/b-ncsroadmap-11xx.html

JRE Compatibility

The JRE Compatibility table displays the JRE compatibility with NCS 2000 software releases.

Supported Pluggables

The document at the following URL lists the GBIC, SFP, SFP+, QSFP, XFP, CXP, CFP, and CPAK modules that are supported on the Cisco NCS 2000 series platforms:

http://www.cisco.com/c/en/us/td/docs/optical/spares/gbic/guides/b_ncs_pluggables.html

New Features in Release 11.1.1.2

This section highlights the new features in Release 11.1.1.2. For detailed information of each of these features, see the user documentation.

Hardware

Pluggable Port Module Support

The supported pluggables are Cisco-SFP-10G-BXD-I and Cisco-SFP-10G-BXU-I on the 10x10G LC line module.

For more information, see the *Installing the GBIC, SFP, SFP+, QSFP, XFP, CXP, CFP and CPAK Optical Modules in Cisco NCS Platforms*.

Software Features

Note Before you dive into this release's features, we invite you to content.cisco.com to experience the features of the Cisco Content Hub. Here, you can, among other things:

- Create customized books to house information that’s relevant only to you.
- Collaborate on notes and share articles by experts.
- Benefit from context-based recommendations.
- Use faceted search to close in on relevant content.

And, if you are already experiencing the Content Hub, we'd like to hear from you!

Click the **Feedback** icon on the page and let your thoughts flow!

This section lists the software features and enhancements introduced in Release 11.1.1.2.

OTDR Enhancements

Optical Time Domain Reflectometer (OTDR) supports the Refractive Index (RI) and Backscatter Coefficient (BS) parameters for OTDR scan.

Note External SOR viewer application may offset the loss reported in Y-axis of SOR file generated by NCS 2000 system because certain applications use relative value instead of absolute value.

For more information, see the *Manage the Node* document.

GCC0 Transparency in REGEN Mode

GCC0 is enabled when 400G-XP-LC card is configured in Regen mode. The user is provided an option to enable or carry forward GCC0 termination in Regen mode.

For more information, see the Provisioning Transponder and Muxponder Cards chapter in the *Cisco NCS 2000 Series Line Card Configuration Guide, Release 11.x.x*.

Duo Authentication

The authentication timeout is set to 30 seconds.

TLS Version Support

The supported version of Transport Layer Security (TLS) protocol is 1.2.

Critical Bug Fixes in Release 11.1.1.2

The following critical issues have been resolved in Release 11.1.1.2:

- Legacy traffic goes down when the network is upgraded from R10.6.2 to R11.1.1.2.
- In a mixed flex and legacy setup, when a circuit is created and added/dropped on a legacy node, PMI is incorrectly raised on the legacy line Rx if LOS-P alarm is present for that specific channel.

Open Caveats for NCS 2000

The following table lists the open caveat for NCS 2000:

Caveat ID Number	Description
CSCvs94932	No proper error on OTN-XC when try to create SNC with PRBS enabled on Trunk
CSCvt01492	SYNCLOSS stuck alarm seen on a daisy chained client ports over GE-XP
CSCvt51219	Expert scan run with user defined RI, RI&BS does not plot the LOS/Reflection event as expected in CTC
CSCvt59958	Sometime scan is not starting at near end but at far end scan is starting
CSCvt60018	CTC session hangs for GCC creation on regen trunk ports
CSCvt67902	[TNC]:Controller card went for tDC Exception task in GCC termtn node for GCC config at regen node
CSCvt75050	CTC]: T5 GCC rate is not correct in edit window
CSCvt78166	[CTC]: Undesired events after GCC config operations on T5 regen trunks
CSCvt88200	[BIDI PPM]: Supported wavelength indication is not available for BIDI PPM
CSCvt99223	ORL value is not exported as part of CTC .sor file
CSCvt99250	Import & Export of NE default is throwing FEC Error message
CSCvu38246	CET: Node controller instability on connecting bulk MSM

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.

To search for a specific bug, go to Bug Search Tool (BST) and search the bug ID in the **Search For** field. 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://bst.cloudapps.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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