Release Notes for Cisco NCS 2000 Series Cisco Optical Site Manager, Release 26.1.1

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Cisco NCS 2000 Series, Release 26.1.1

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

New software features

This section provides a brief description of the new software features introduced in this release.

Table 1. New software features for NCS 2000, Release 26.1.1

Product impact	Feature	Description
Software reliability	100G-LC-C card support	100G-LC-C card is supported with TXP-100G operating mode.
Software reliability	Peer card support for 15454-M-10x10G-LC line card	The 15454-M-10x10G-LC line card now supports enhanced interoperability, allowing it to function as a peer card for the 15454-M-100G-LC-C or interwork with the 400G-XP-LC. • 15454-M-100G-LC-C Pairing: By utilizing the MXP-10x10G operation mode, the 15454-M-10x10G-LC supports a variety of client pluggable ports, including 10GE, OTU2/e, and OC192/STM64. • 400G-XP-LC Interworking: The 400G-XP-LC card can now peer with one or more 10x10G-LC cards through a CXP interface and a CXP 24-2x12 MPO breakout cable. In this configuration, ensure the OCH-CC is created up to the 400G-XP-LC client port. This functionality allows network operators to increase port density, optimize slot utilization, and streamline the deployment of high-capacity muxponder services.
Software Reliability	AR-MXP (Any-Rate Muxponder) line card	The Cisco Optical Site Manager now supports the AR-MXP line card, which operates in the MXP-MR-S (Unprotected Multirate Muxponder-Static) mode and supports 1GE and OC48/STM16 client pluggable ports. This line card offers flexible deployment options and compatibility with diverse networking environments.
Software Reliability	400G-XP with OTN cross-connect (OTNXC)	The Cisco Optical Site Manager now supports the 400G-XP-LC card with OTN cross-connect (OTNXC) operating mode without a peer card. The card mode includes OPM-100G and OPM-10x10G slice modes. Based on the configured slice mode, the card supports pluggable ports such as 100GE, OTU4, OTU2, OTU2e, 10GE,

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Product impact	Feature	Description
		OC192, and STM64, enabling efficient management of high-capacity traffic.
Software reliability	Admin Plane user management enhancements	The Admin Plane in Cisco NCS 2000 has been enhanced to support improved multi-user management and authorization capabilities, including: • Multiple users can be defined in addition to the Superuser. • Different users can be logged in to the Admin Plane simultaneously (multi-user / multi-session). • Each user is associated with a pre-defined profile that grants specific authorizations. • Available profiles include Admin, Operator, and Viewer, each with tailored permissions.
Software Reliability	Reset To Install	The new **Reset To Install** feature enhances the existing **Reset To Factory Default** feature. It allows you to reset and reconfigure an SVO card without requiring a full factory reset. This feature preserves your currently running and previously downloaded software images, helping you resolve networking or installation issues while minimizing downtime and eliminating the need to re-download or reinstall software.
Ease of use	Expert Mode Enhancements for Diagnostics	• **ShowTech Support** and **Fast Diagnostics** are now located in the new **Expert Mode** section, with **ShowTech Support** renamed to **Custom ShowTech**. • You can now increase the log collection timeout using the **Watchdog Timeout** setting. This lets you extend the default 30-minute limit, ensuring log collection completes without premature termination and preventing incomplete diagnostic data.
Ease of use	Download Device-Specific Configuration	The **COSM Setup** now includes a **Custom Download** button, enabling you to download configuration details for a specific device. This feature provides quick access to targeted configuration data, improving efficiency when retrieving device-specific information.
Ease of use	Enhanced Alarm Notification Management	You can now manage alert notifications from the **Alarms** tab by adjusting alarm severity levels and suppressing alarms as needed. Changing alarm severity helps you prioritize critical alerts, while suppression prevents unnecessary or redundant notifications, resulting in a more efficient monitoring workflow.
Ease of use	HA Device Role Monitoring and Management	You can now monitor Cisco Optical Site Manager HA device roles and manage operations from the **HA view** page. This page lists the host devices configured in HA mode, displays active or standby status, and allows you to restart the application or switch server roles during high-availability operation.

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Product impact	Feature	Description
Software Reliablity	Multi-region OTDR scan	Now you can perform manual OTDR scan in multi region mode that is optimized for specific regions of the fiber span: closer, Office, Short, and Long. Each region uses a predefined pulse width and scan configuration. This mode generates separate SOR files with the file name including the name of the region. It is particularly useful for comprehensive analysis over varying span distances.

Resolved issues

This table lists the resolved issues in this specific software release.

Note: This software release may contain open bugs first identified in other releases. To see additional information, click the bug ID to access the Cisco Bug Search Tool.

Table 2. Resolved issues for NCS 2000 Series, Release 26.1.1

Bug ID	Description
CSCwt44073	[2K-COSM]: COSM incorrectly displays " Scan in Progress" status despite no active scan at the local or remote device level.
CSCwt12955	[2K-COSM]: SOR files missing despite successful completion of 64 scans; Sometimes event history limited to 15 SOR despite showing full history.
CSCwt38470	[COSM2k-CV] misleading message when some path are not verifiable
CSCwt55611	OCM panel: misleading info is reported in the tooltip associated to channel
CSCwt58515	Status column info does not reflect when activating the COSM application software in software manager unless the page is refreshed
CSCwt74831	[COSM-2k] CONC SWIMU Activation and COSM Failed
CSCwt78861	[2K-COSM]: Persistent data loss of OTDR Baseline and Recent & Existing all Scan results (Graphs, JSON, and SOR files) following repeated Auto/Manual scan cycles.
CSCwo20154	2511and 11.x:OSPF ON LAN with LAN id port 0.0.0.0 should allow
CSCwu84588	Loss of timezone sync between COSM and NCS2K

Open issues

This table lists the open issues in this specific software release.

Note: This software release may contain open bugs first identified in other releases. To see additional information, click the bug ID to access the Cisco Bug Search Tool.

Table 3. Open issues for NCS 2000 Series, Release 26.1.1

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Bug ID	Description
CSCwr83683	NVF Browser slow to load or not answering while moving from a generic WEBUI panel to NFV
CSCws72414	COSM onboarding NCS2K device with 16 degress and second layer SMR takes up to 1 hour
CSCws92857	Cannot associate via USB passive device MD-48-EVEN-E and MD-48-ODD-E
CSCwt30102	[2K-COSM]: Post HA switchover, Connection Verification status incorrectly shows " Not Running" in Netconf and Status & link progress is missing in WebUI, despite correctly reporting in the TL1 level.
CSCwt82434	Residual ODU Entries Visible on 400G-XP-LC Post AR-MXP Deletion
CSCwt85334	Device Enters Locked State After Deleting Pre-Provisioned Subtended Shelf in COSM
CSCwu91846	CTC: NCS2K nodes in software releases 11.14 and 11.141 are not discovered by 26.1.1 and 25.1.1 CTC releases

Software and hardware requirements

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

Software requirements

- Operating System – Windows 7, Windows 10, Windows Server 2008 or later, macOS Mojave (10.14) and later.
- Browser – Mozilla Firefox 149.0 and Google Chrome 147.0

Hardware requirements

- 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.

Supported NCS 2000 upgrade paths

This table lists the software releases that can be upgraded:

Table 4. Upgrade paths to NCS 2000 based releases

Source release	Source package	Destination release	Destination package
R11.1.2.3	SSON	R26.1.1	SSON
R11.1.3	SSON	R26.1.1	SSON
R11.1.3.2	SSON	R26.1.1	SSON
R11.1.1.4	SSON	R26.1.1	SSON
R12.3.1	SSON	R26.1.1	SSON

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Source release	Source package	Destination release	Destination package
R25.1.1	SSON	R26.1.1	SSON

Table 5. Upgrade paths to Cisco Optical Site Manager

Source release	Destination release
Cisco Optical Site Manager 25.1.1	Cisco Optical Site Manager 26.1.1

Note: Cisco Optical Site Manager Release 26.1.1 can manage both NCS 2000 devices running Release 25.1.1 and the upgraded Release 26.1.1 software versions. You may continue operating NCS 2000 on Release 25.1.1 and upgrade to Release 26.1.1 later.

Related resources

- Open Source used in Network Convergence System 2000, Release 26.1.1

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