



Release Notes for Cisco NCS 1000 Series, IOS XR Release 26.3.1

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Cisco NCS 1000 Series, IOS XR Release 26.3.1

Cisco IOS XR Release 26.3.1 is a new feature release for Cisco NCS 1000 Series.

- NCS 1014
- NCS 1010
- NCS 1020
- Cisco Optical Site Manager

For more details on the Cisco IOS XR release model and associated support, see [Software Lifecycle Support Statement – IOS XR](#).

New software features

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

Table 1. New software features for Cisco NCS 1000 Series, Release 26.3.1

Product impact	Feature	Description
NCS 1014 Configuration		
Software reliability	ONS-QSFP-PSM2 channel protection switching support	NCS 1014 supports the ONS-QSFP-PSM2 pluggable module to enable channel protection. The NCS1K4-QXP-K9, NCS1K14-2.4T-K9, and NCS1K14-2.4T-X-K9 line cards are the host cards and support ONS-QSFP-PSM2 in both wide-band (all-channel) and frequency-selective (single-channel) protection modes within WDM optical systems. This support enhances network resilience by providing automated, seamless traffic recovery during signal degradation or failure.
Software reliability	OTNSec Encryption for NCS1K14-2.4T-A-K9 in bundle mode	The NCS1K14-2.4T-A-K9 line card now supports AES-256 GCM authenticated OTNSec encryption on split ports in bundle mode. This support enables secure, flexible, and efficient ultra-high-capacity transport, enhancing service provider network security and operational agility.
Software reliability	Show PM history for multiple bins	NCS 1014 can now dynamically show PM history data using a Bucket ID range for any layer. This allows you to query and view PM history data across multiple sequential Bucket IDs instead of being limited to a single Bucket ID and Bucket type. For example, users can select Bucket IDs 2-5 for 15-minute interval data, with the same capability supported for 30-second and 24-hour windows.
Software reliability	GCC0 support on 2.4T card	General Communication Channel (GCC0) interface is supported on the Coherent DSP controller in the NCS1K14-2.4T-K9, NCS1K14-2.4T-X-K9, and NCS1K14-2.4T-A-K9 with CIM8 pluggables: CIM8-LE-K9, CIM8-CE-K9, and CIM8-C-K9. GCC0 interface enables you to remotely manage, monitor, and operate the chassis and line cards, especially in environments without direct Data Communication Network (DCN) access.

Product impact	Feature	Description
Software reliability	MACsec encryption on the NCS1K14-OMP2-K9 line card	This release introduces a new 12.8T line card, NCS1K14-OMP2-X9. Refer to the data sheet. You can configure MACsec on the NCS1K14-OMP2-K9 line card, enabling robust Layer 2 encryption directly on 800G trunk interfaces. Based on the IEEE 802.1AE standard, this feature secures your data through AES-GCM encryption, frame integrity checks, and replay protection. This capability allows you to deploy high-performance, hop-by-hop security that protects your 800G DWDM links from interception and tampering without sacrificing throughput. It ensures your critical data remains secure across physical topologies, providing a seamless balance of high-capacity transport and enterprise-grade security.
Software reliability	Additional AppSel code support for 400G ULH pluggables on the OXP card	The QXP card now supports additional application select (AppSel) codes for the DP04QSDD-ULH-A1 pluggable. You can select AppSel codes 3, 6, 9, 12, 15, 16, 18, 19, 21, 24, and 29. This enhancement expands the available host-interface, baud-rate, modulation, and chromatic-dispersion combinations, giving you greater flexibility to optimize capacity and reach without changing the existing AppSel provisioning workflow.
Software reliability	800G transponder configuration in NCS1K14-OMP2-K9 line card	This release introduces a new NCS1K14-OMP2-X9 line card which is a 32 × 800G DWDM coherent optics line card designed for transponder and muxponder applications, supporting up to 12.8 T of traffic. Refer to the data sheet. - In this release you can configure the 800G transponder mode with the OSFP-800G-VR8 and OSFP-800G-DR8 as client pluggables and DP08SFP8-ZRB-A2 as DWDM line side pluggable in c-band. - This capability provides high-density connectivity, and enhanced spectral efficiency with simplified high-speed data transport for demanding network architectures.
NCS 1014 System Setup and Software Installation		
Software reliability	Smart Licensing for OXP2-L-K9 Line Card	The NCS1K14-OMP2-L-K9 card supports the smart licensing feature up to 16 licenses to turn up DWDM capacity. It enables you to automate the time-consuming manual licensing tasks and allows you to easily track the status of your license and software usage trends.
Software reliability	AuditD process keepalive	AuditD process keepalive periodically generates an identifiable Linux audit event at a configurable interval between 10 and 43,200 minutes. Monitoring systems can use these events to verify AuditD health and detect interruptions in audit-event generation or delivery. Additionally, the feature provides automated syslog notifications for service state changes across all nodes. This proactive monitoring eliminates silent failures, ensuring continuous compliance and enhanced operational visibility for large-scale deployments. CLI keywords introduced: The keywords keepalive and interval are added to the linux security audit command.

Product impact	Feature	Description
NCS 1010 Optical Application and Configuration		
Software reliability	IPv6 support on NCS 1010 control loop	Border Gateway Protocol - Link State (BGP-LS) can now advertise OSPFv3 link-state topology information, including optical link attributes, on NCS 1010. This enables IPv6-based OLT-to-OLT topology discovery and allows optical applications to consume node, link, and prefix information learned through OSPFv3, helping networks converge on topology and attribute changes in IPv6 deployments.
NCS 1010 System Setup and Software Installation		
Software reliability	AuditD process keepalive	AuditD process keepalive periodically generates an identifiable Linux audit event at a configurable interval between 10 and 43,200 minutes. Monitoring systems can use these events to verify AuditD health and detect interruptions in audit-event generation or delivery. Additionally, the feature provides automated syslog notifications for service state changes across all nodes. This proactive monitoring eliminates silent failures, ensuring continuous compliance and enhanced operational visibility for large-scale deployments. CLI keywords introduced: The keywords keepalive and interval are added to the linux security audit command.
NCS 1010 and NCS 1020 Datapath Configuration		
Software reliability	Show PM history for multiple bins	You can now dynamically show PM history data using a configured Bucket ID range for any layer. This allows you to query and view PM history data across multiple sequential Bucket IDs instead of being limited to a single Bucket ID and Bucket type. For example, users can select Bucket IDs 2-5 for 15-minute interval data, with the same capability supported for 30-second and 24-hour windows.
NCS 1020 System Setup and Software Installation		
Software reliability	AuditD process keepalive	AuditD process keepalive periodically generates an identifiable Linux audit event at a configurable interval between 10 and 43,200 minutes. Monitoring systems can use these events to verify AuditD health and detect interruptions in audit-event generation or delivery. Additionally, the feature provides automated syslog notifications for service state changes across all nodes. This proactive monitoring eliminates silent failures, ensuring continuous compliance and enhanced operational visibility for large-scale deployments. CLI keywords introduced: The keywords keepalive and interval are added to the linux security audit command.
Cisco Optical Site Manager		
Software reliability	COSM - Change of IP	Cisco Optical Site Manager can now support IPv4 address changes for the COSM management IP and COSM host-device IP through IOS XR CLI or the NETCONF reconfigure-ip-addresses action. This allows the user to update the management, active-device, and standby-device IP details, including prefix and gateway values, in Cisco Optical Site Manager. Cisco Optical Site Manager

Product impact	Feature	Description
		is reconfigured with the updated IP address information while maintaining its database. The workflow supports both standalone and high-availability deployments.
Software reliability	Support for ONS-QSFP-PSM2 pluggable on NCS 1014	Cisco Optical Site Manager supports the ONS-QSFP-PSM2 pluggable on NCS 1014 ports in channel protection mode. Users can provision interfaces and protection groups, perform protection switching, monitor performance and threshold-crossing alerts, and review alarms through the Cisco Optical Site Manager GUI or NETCONF. This unified workflow reduces operational effort and simplifies protection management. The PSM pluggable supports these line cards: • NCS1K4-QXP-K9 • NCS1K14-2.4T-K9 • NCS1K14-2.4T-X-K9
Ease of setup	Support for NCS1K14-OXP2-K9 and NCS1K14-OXP2-L-K9 cards	You can configure and manage the NCS1K14-OXP2-K9 and NCS1K14-OXP2-L-K9 line cards from Cisco Optical Site Manager on Cisco NCS 1014-2 chassis. The Card Configuration Wizard supports the 800G trunk and client rate for all 16 slices, and the Optical Channel panel supports application code selection for the DP08SFP8-ZRB-A2 trunk optics.
Ease of setup	High availability migration	You can migrate Cisco Optical Site Manager between standalone and high availability deployment modes without deactivating and reactivating it. The migration supports Standalone-to-HA through the Cisco Optical Site Manager Web UI or NETCONF and supports HA-to-Standalone when the site topology changes.
Ease of setup	Application code support	You can validate application selection codes for supported line cards and optics in Cisco Optical Site Manager. The validation confirms that each code maps to the supported ZR/ZR+ operating mode and related optical parameters, such as line rate, framing, FEC type, modulation format, pulse shape, and modem setting. Supported line cards and optics: • NCS1K14-OXP2-K9 line card with DP08SFP8-ZRB-A2 optics • QXP line card with DP04QSDD-ULH-A1 optics
Ease of use	NCS 1010 L-band device support	You can extend existing C-band setups with L-band devices in Cisco Optical Site Manager. After you add the device, create internal patch cords, configure the degree or oms-link as dual-band and configure partner band. The C-band applications are replicated for L-band and identifies L-band details, such as L-band APC and linked tuner.
Ease of use	Expert mode OTDR scan	You can manually run an OTDR scan in expert mode on NCS 1010 and NCS 1001 devices. Before running the scan in expert mode, configure the expert mode parameters to fine-tune the scan for more precise troubleshooting under OTDR Settings.

Product impact	Feature	Description
		After the scan is complete, you can view the baseline, current scan, run information, and expert mode parameter details in the scan details view.
Ease of use	Multi-region OTDR scan	Perform an OTDR scan in multi-region mode by selecting one of the following options, each optimized for a specific region of the fiber span: • All This mode is supported only on NCS 1010. It generates separate SOR files with the corresponding region name included in each filename, making it useful for comprehensive analysis across varying span distances.

New hardware features

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

Table 2. New hardware for Cisco NCS 1000 Series, Release 26.3.1

Hardware	Description
NCS1014-2= chassis	The Cisco NCS 1014-2 chassis is a variant of the NCS 1014 chassis, designed specifically to support the NCS1K14-OMP2-K9 and NCS1K14-OMP2-L-K9 double-slot line card in optical network environments. It features a new fan tray with improved air flow, and a removable divider that enables it to be configured either to support two double-slot line cards or four single-slot line cards, providing flexible deployment options. This design flexibility streamlines installation and enhances compatibility with optical line cards, facilitating efficient integration and improved performance to meet evolving optical network requirements.
NCS1K14-OMP2-K9 and NCS1K14-OMP2-L-K9 line cards	The NCS1K14-OMP2-K9 line card and its licensed version, NCS1K14-OMP2-L-K9, are double-slot line cards designed to enhance optical processing within the Cisco NCS 1014-2 chassis. They support up to 12.8T C-band traffic. These line cards feature 16 OSPF client ports capable of handling 2x400GE and 8x100GE breakout and 800GE traffic on each port, and include 16 OSPF trunk ports that support 800G traffic. In this Release, client ports support only the 800GE payload. Optimized for high-capacity deployments, they offer superior flexibility, improved operational efficiency, and robust performance for demanding optical network environments. The new NCS1K14-OMP2-K9 line card supports these pluggables: • Client pluggables: ◦ OSFP-800G-VR8 ◦ OSFP-800G-DR8 • Trunk pluggables: • DP08SFP8-ZRB-A2
ONS-QSFP-PSM2 pluggable module	The new pluggable ONS-QSFP-PSM2, integrates protection switching module capability with channel power detection directly into a pluggable QSFP-DD form factor module. This pluggable is supported on: • QSFP-DD ports of NCS1K14-2.4T-K9 and NCS1K14-2.4-T-X-K9 line cards • QSFP-DD ports of NCS1K4-QXP-K9 line card

Hardware	Description
	This module can be directly plugged into a TXP, eliminating the need for a separate line card. This integration allows for more streamlined and efficient channel and Mux/Path protection.
NCS1K14-FAN-2 programmable fan support	The new NCS1K14-FAN-2 programmable fan tray features a grid with wider gaps, enhancing airflow and providing improved cooling for high-power line cards like the OXP2-K9. This dynamic cooling support is designed for the NCS 1014 and NCS 1014-2 chassis. The programmable fans adjust their cooling profiles based on the status of the NCS 1014 chassis, the installed line cards, and the pluggable modules. The cooling profiles of the programmable fans are: • Low cooling • Medium cooling • High cooling
NCS1K4-AC-PSU-3 support	The new AC PSU, NCS1K4-AC-PSU-3, introduced in this release, is a high power capacity power supply. It is designed to support high-power-consuming line cards such as the NCS1K14-OMP2-K9 line card and has a power rating of 3.2 kW. It is supported on both NCS 1014 and NCS 1014-2 chassis.

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 3. Resolved issues for Cisco NCS 1010, Release 26.3.1

Bug ID	Description
CSCwv09657	Observed Config failed syslog after LC Cold reload

Table 4. Resolved issues for Cisco Optical Site Manager, Release 26.3.1

Bug ID	Description
CSCwu71014	Additional incorrect interfaces in oxc optical-path
CSCww09202	COSM - NCS1010 (C+L setup) CLI history is flooded with "show cosm status" in 26.3.1

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 5. Open issues for Cisco NCS 1014, Release 26.3.1

Bug ID	Description
CSCww97016	PSM/EDFA: Attention LED issue with PSM/EDFA modes
CSCww01027	Changing controller ots 0/0/0/7/0 psm auto-threshold rx-power-time-interval trigger re-calculation of auto-threshold

Table 6. Open issues for Cisco NCS 1010, Release 26.3.1

Bug ID	Description
CSCwu28464	NCS1010:Raman tuning is failing in specific configuration
CSCww76158	NCS1010: Span-loss refresh fails after downgrade from 26.1.1 to 25.1.1

Table 7. Open issues for Cisco Optical Site Manager, Release 26.3.1

Bug ID	Description
CSCwt13778	COSM 2611-NCS1010: Avoid spaces in device names to prevent synchronization issues
CSCww11008	COSM: Passive units cut-and-paste functionality is restricted in occupied Rack Units with empty slots.

Supported hardware

These hardware components are supported from the Release 26.3.1:

- **Chassis:** NCS1014-2=
- **Line card:** NCS1K4-OXP2-K9
- **PSU:** NCS1K4-AC-PSU-3
- **Fan tray:** NCS1K14-FAN-2
- **Pluggables:**
 - ONS-QSFP-PSM2 on NCS1K14-2.4T-K9, NCS1K14-2.4-T-X-K9, and NCS1K4-QXP-K9 line cards
 - OSFP-800G-VR8, OSFP-800G-DR8, and DP08SFP8-ZRB-A2 on the NCS1K14-OXP2-K9 line card

Supported software packages

This section provides information about the release packages associated with NCS 1000 series.

Table 8. Software packages for NCS 1010, Release 26.3.1

Package	Filename	Description
Composite package		

Package	Filename	Description
Cisco IOS XR Core Bundle + Manageability Package	ncs1010-x64-26.3.1.iso	IOS Contains required core packages, including operating system, Admin, Base, Forwarding, SNMP Agent, FPD, and Alarm Correlation and Netconf-yang, Telemetry, Extensible Markup Language (XML) Parser, HTTP server packages. XR Base Image
Individually installable packages		
Cisco IOS XR Telnet Packages	xr-telnet-26.3.1v1.0.0-1.x86_64.rpm xr-telnet-ncs1010-26.3.1.v1.0.0-1.x86_64.rpm	Install these packages to support Telnet.
Cisco IOS XR Security Package	xr-k9sec-pid-eb216ea0977bb9c7-26.3.1.v1.0.0-1.x86_64.rpm xr-k9sec-26.3.1.v1.0.0-1.x86_64.rpm xr-k9sec-pid-ncs1010-26.3.1.v1.0.0-1.x86_64.rpm xr-k9sec-f544c7c7d37890ec-26.3.1.v1.0.0-1.x86_64.rpm	Support for Encryption, Decryption, IP Security (IPsec), Secure Socket Layer (SSL), and Public-key infrastructure (PKI).
Cisco IOS XR Cisco Discovery Protocol (CDP) Packages	xr-cdp-26.3.1v1.0.0-1.x86_64.rpm xr-cdp-ncs1014-26.3.1v1.0.0-1.x86_64.rpm xr-cdp-f544c7c7d37890ec-26.3.1v1.0.0-1.x86_64.rpm xr-telnet-f544c7c7d37890ec-26.3.1v1.0.0-1.x86_64.rpm	Install these packages to support CDP.

Table 9. Software packages for NCS 1014, Release 26.3.1

Package	Filename	Description
Composite package		
Cisco IOS XR Core Bundle + Manageability Package	ncs1010-x64-26.3.1.iso	IOS Contains required core packages, including operating system, Admin, Base, Forwarding, SNMP Agent, FPD, and Alarm Correlation and Netconf-yang, Telemetry, Extensible Markup Language (XML) Parser, HTTP server packages. XR Base Image
Individually installable packages		
Cisco IOS XR Telnet Packages	xr-telnet-26.3.1v1.0.0-1.x86_64.rpm xr-telnet-ncs1014-26.3.1.v1.0.0-1.x86_64.rpm	Install these packages to support Telnet.

Package	Filename	Description
Cisco IOS XR Security Package	xr-k9sec-pid-eb216ea0977bb9c7-26.3.1.v1.0.0-1.x86_64.rpm xr-k9sec-26.3.1.v1.0.0-1.x86_64.rpm xr-k9sec-pid-ncs1014-26.3.1.v1.0.0-1.x86_64.rpm xr-k9sec-f544c7c7d37890ec-26.3.1.v1.0.0-1.x86_64.rpm	Support for Encryption, Decryption, IP Security (IPsec), Secure Socket Layer (SSL), and Public-key infrastructure (PKI).
Cisco IOS XR Cisco Discovery Protocol (CDP) Packages	xr-cdp-26.3.1v1.0.0-1.x86_64.rpm xr-cdp-ncs1014-26.3.1v1.0.0-1.x86_64.rpm xr-cdp-f544c7c7d37890ec-26.3.1v1.0.0-1.x86_64.rpm xr-telnet-f544c7c7d37890ec-26.3.1v1.0.0-1.x86_64.rpm	Install these packages to support CDP.

Table 10. Software packages for Cisco Optical Site Manager, Release 26.3.1

Package	Filename
Composite package	
Cisco IOS XR COSM Package	- xr-cosm-26.3.1v1.0.0-1.x86_64.rpm - xr-cosm-pid-a6d720622d7e61b9-26.3.1v1.0.0-1.x86_64.rpm

Determine software version

Log into the node and enter the **show version** command.

NCS 1010

```
RP/0/RP0/CPU0:ios#show version
Thu Sep 10 19:12:18.581 IST
Cisco IOS XR Software, Version 26.3.1 LNT
Copyright (c) 2013-2026 by Cisco Systems, Inc.
```

Build Information:

```
Built By      : cisco
Built On      : Thu Sep 10 05:58:32 UTC 2026
Build Host    : iox-lnx-034
Workspace     : /auto/srcarchive13/prod/26.3.1/ncs1010/ws/
Version       : 26.3.1
Label        : 26.3.1
```

```
cisco NCS1010 (C3758 @ 2.20GHz)
```

```
cisco NCS1010-SA (C3758 @ 2.20GHz) processor with 32GB of memory
ios uptime is 28 minutes
NCS 1010 - Chassis
```

NCS 1014

```
RP/0/RP0/CPU0:ios#show version
Thu Sep 10 12:48:46.679 UTC
Cisco IOS XR Software, Version 26.3.1 LNT
Copyright (c) 2013-2026 by Cisco Systems, Inc.
```

Build Information:

```
Built By      : cisco
Built On      : Thu Sep 10 05:58:32 UTC 2026
Build Host    : iox-lnx-034
Workspace     : /auto/srcarchive13/prod/26.3.1/ncs1010/ws/
Version       : 26.3.1
Label         : 26.3.1
```

```
cisco NCS1010 (C3758R @ 2.40GHz)
cisco NCS1014 (C3758R @ 2.40GHz) processor with 32GB of memory
ios uptime is 13 minutes
NCS 1014 - Chassis
```

Determine firmware version

Use the **show hw-module fpd** command in EXEC mode to view the hardware components with their current FPD version and status. The status of the hardware must be CURRENT; The Running and Programmed version must be the same.

Log into the node and enter the **show hw-module fpd** command.

NCS 1010

```
RP/0/RP0/CPU0:ios#show hw-module fpd
Tue Aug 18 11:04:38.554 IST
```

```
Auto-upgrade:Enabled,PM excluded
Attribute codes: B golden, P protect, S secure, A Anti Theft aware
```

					FPD Versions	
					=====	
Location	Card type	HWver	FPD device	ATR Status	Running	Programd
Reload Loc						

0/RP0/CPU0	NCS1010-CNTLR-K9	1.0	ADMConfig	CURRENT	3.40	3.40
NOT REQ						

0/RP0/CPU0	NCS1010-CNTLR-K9	1.0	BIOS	S	CURRENT	6.10	6.10
0/RP0							
0/RP0/CPU0	NCS1010-CNTLR-K9	1.0	BIOS-Golden	BS	CURRENT		4.60
0/RP0							
0/RP0/CPU0	NCS1010-CNTLR-K9	1.0	CPU-SSD	S	CURRENT	11.51	11.51
0/RP0							
0/RP0/CPU0	NCS1010-CNTLR-K9	1.0	CpuFpga	S	CURRENT	1.13	1.13
0/RP0							
0/RP0/CPU0	NCS1010-CNTLR-K9	1.0	CpuFpgaGolden	BSP	CURRENT		1.01
0/RP0							
0/RP0/CPU0	NCS1010-CNTLR-K9	1.0	TamFw	S	CURRENT	6.13	6.13
0/RP0							
0/RP0/CPU0	NCS1010-CNTLR-K9	1.0	TamFwGolden	BSP	CURRENT		6.11
0/RP0							
0/PM0	NCS1010-AC-PSU	1.0	LI-PrimCU		CURRENT	2.03	2.03
NOT REQ							
0/PM0	NCS1010-AC-PSU	1.0	LI-SecMCU		CURRENT	2.03	2.03
NOT REQ							
0/PM1	NCS1010-AC-PSU	1.0	LI-PrimCU		NOT READY	2.03	2.03
N/A							
0/PM1	NCS1010-AC-PSU	1.0	LI-SecMCU		NOT READY	2.03	2.03
N/A							
0/0/NXR0	NCS1K-OLT-R-C	1.0	OLT	S	CURRENT	3.50	3.50
NOT REQ							
0/0/NXR0	NCS1K-OLT-R-C	1.0	Raman-1	S	CURRENT	3.50	3.50
NOT REQ							
0/Rack	NCS1010-SA	1.0	CHASSIS-SSD	S	CURRENT	11.51	11.51
0/Rack							
0/Rack	NCS1010-SA	1.0	EITU-ADMConfig		CURRENT	2.10	2.10
NOT REQ							
0/Rack	NCS1010-SA	1.0	IoFpga	S	CURRENT	1.27	1.27
NOT REQ							
0/Rack	NCS1010-SA	1.0	IoFpgaGolden	BS	CURRENT		1.01
NOT REQ							
0/1	NCS1K-BRK-8	1.0	BRK-8	S	CURRENT	2.08	2.08
NOT REQ							

NCS 1014

RP/0/RP0/CPU0:ios#show hw-module fpd

Tue Aug 18 11:40:21.134 IST

Auto-upgrade:Enabled,PM excluded

Attribute codes: B golden, P protect, S secure, A Anti Theft aware

FPD Versions					
=====					
Location	Card type	HWver	FPD device	ATR Status	Running Programd
Reload Loc					

0/RP0/CPU0 NOT REQ	NCS1K14-CNTLR-K9	1.0	ADM-DB		CURRENT	2.10	2.10
0/RP0/CPU0 NOT REQ	NCS1K14-CNTLR-K9	1.0	ADM-MB		CURRENT	2.30	2.30
0/RP0/CPU0 0/RP0	NCS1K14-CNTLR-K9	1.0	BIOS	S	CURRENT	6.20	6.20
0/RP0/CPU0 0/RP0	NCS1K14-CNTLR-K9	1.0	BIOS-Golden	BS	CURRENT		4.70
0/RP0/CPU0 0/RP0	NCS1K14-CNTLR-K9	1.0	CPU-SSD	S	CURRENT	1.30	1.30
0/RP0/CPU0 0/RP0	NCS1K14-CNTLR-K9	1.0	CpuFpga	S	CURRENT	1.17	1.17
0/RP0/CPU0 0/RP0	NCS1K14-CNTLR-K9	1.0	CpuFpgaGolden	BSP	CURRENT		1.09
0/RP0/CPU0 0/RP0	NCS1K14-CNTLR-K9	1.0	TamFw	S	CURRENT	9.04	9.04
0/RP0/CPU0 0/RP0	NCS1K14-CNTLR-K9	1.0	TamFwGolden	BSP	CURRENT		9.04
0/PM0 NOT REQ	NCS1K4-AC-PSU-2	1.1	PO-PrimMCU		CURRENT	1.03	1.03
0/PM0 NOT REQ	NCS1K4-AC-PSU-2	1.1	PO-SecMCU		CURRENT	1.05	1.05
0/0/NXR0 NOT REQ	NCS1K14-2.4T-X-K9	1.0	CpuModFw	S	CURRENT	263.100	263.100
0/1/NXR0 NOT REQ	NCS1K14-2.4T-X-K9	1.0	CpuModFw	S	CURRENT	263.100	263.100
0/1/NXR0 NOT REQ	NCS1K14-2.4T-X-K9	0.0	OpticsFw_Port_0	S	CURRENT	80.15016	80.15016
0/1/NXR0 NOT REQ	NCS1K14-2.4T-X-K9	0.0	OpticsFw_Port_7	S	CURRENT	80.15016	80.15016
0/2/NXR0 NOT REQ	NCS1K14-2.4T-K9	0.1	CpuModFw	S	CURRENT	263.100	263.100
0/2/NXR0 NOT REQ	NCS1K14-2.4T-K9	0.0	OpticsFw_Port_0	S	CURRENT	80.15016	80.15016
0/2/NXR0 NOT REQ	NCS1K14-2.4T-K9	0.0	OpticsFw_Port_7	S	CURRENT	80.15016	80.15016
0/3/NXR0 NOT REQ	NCS1K14-CCMD-16-C	1.0	CpuModFw	S	CURRENT	263.100	263.100
0/3/NXR0 NOT REQ	NCS1K14-CCMD-16-C	1.0	OptModFw	S	CURRENT	20.06	20.06
0/Rack NOT REQ	NCS1014	0.1	ADM-CHASSIS		CURRENT	0.21	0.21
0/Rack 0/Rack	NCS1014	0.1	CHASSIS-SSD	S	CURRENT	1.30	1.30
0/Rack NOT REQ	NCS1014	0.1	IoFpga	S	CURRENT	2.28	2.28

0/Rack NOT REQ	NCS1014	0.1	IoFpgaGolden	BS	CURRENT	1.05	
0/2/NXR0 NOT REQ	NCS1K14-OMP2-K9	0.1	CpuModFw	S	CURRENT	263.100	263.100
0/0/NXR0 NOT REQ	NCS1K14-EDFA2	1.0	CpuModFw	S	CURRENT	263.100	263.100
0/0/NXR0 NOT REQ	NCS1K14-EDFA2	1.0	OptModFw	S	CURRENT	2.14	2.14
0/3/NXR0 NOT REQd	NCS1K4-QXP-K9	1.0	CpuModFw	S	CURRENT	263.100	263.100

Related resources

These links provide access to related documents and resources associated with this release:

Table 11. Related resources

Resource	Description
Ask AI about this product	Provides access to Cisco product documentation for checking product support details. Start by selecting the product family, then use <i>Ask AI About This Product</i> tab for further information.
Cisco Network Convergence System 1000 Series	Provides complete list of documentation for CISCO NCS 1000 series.
- NCS 1014 - Software and firmware compatibility matrix - NCS 1010 - Software and firmware compatibility matrix	Specifies supported software and firmware version interoperability.

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