

# Release Notes for Cisco NCS 1000 Series, IOS XR Release 7.11.2

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## Network Convergence System 1000 Series



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## Release 7.11.2 Packages



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- Note** Traffic impact and Frame Check Sequence (FCS) errors are observed while downgrading NCS 1010 software from R7.11.x to R7.9.1.
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### Release 7.11.2 Packages for Cisco NCS 1010

The Cisco IOS XR chassis is composed of a base image (ISO) that provides the XR infrastructure. The ISO image is made up of a set of packages (also called RPMs). These packages are of three types:

- A mandatory package that is included in the ISO
- An optional package that is included in the ISO
- An optional package that is not included in the ISO

**Table 1: Release 7.11.2 Packages for Cisco NCS 1010**

Feature Set	Filename	Description
<b>Composite Package</b>		

## Limitation

Cisco IOS XR Core Bundle + Manageability Package	ncs1010-x64-7.11.2.iso	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.
<b>Individually Installable Packages</b>		
Cisco IOS XR Telnet Package	xr-telnet-7.11.2.x86_64.rpm xr-telnet-ncs1010-7.11.2.x86_64.rpm	Install the xr-telnet-7.11.2.x86_64.rpm and xr-telnet-ncs1010-7.11.2.x86_64.rpm packages to support Telnet.
Cisco IOS XR Cisco Discovery Protocol (CDP) Package	xr-cdp-7.11.2.x86_64.rpm xr-cdp-ncs1010-7.11.2.x86_64.rpm	Install the xr-cdp-7.11.2.x86_64.rpm and xr-cdp-ncs1010-7.11.2.x86_64.rpm to support CDP.
COSM Package	xr-cosm-ncs1010-7.11.2.x86_64.rpm xr-cosm-82eb6a4d2fa15d0e-7.11.2.x86_64.rpm xr-cosm-7.11.2.x86_64.rpm	Install the xr-cosm-ncs1010-7.11.2.x86_64.rpm, xr-cosm-82eb6a4d2fa15d0e-7.11.2.x86_64.rpm, and xr-cosm-7.11.2.x86_64.rpm to support COSM.

See [Install Packages and RPMs](#).

## Limitation

- The Cisco Optical Site Manager application is currently running as a container through the Third Party Application (TPA) infrastructure. When TPA packets are not directed to the device subnet, they are sent out with a source address that matches the loopback interface with the lower index. This can lead to issues with routing through the default gateway.
- NCS 1010 and NCS 1014 require an additional reload after USB insertion because the system does not automatically generate a USB boot entry upon user-initiated reload.

## Caveats

### Open Caveats

#### NCS1010

The following table lists the open caveats for NCS 1010:

Identifier	Headline
<a href="#">CSCwi33752</a>	NCS1010:TX drops seen on Mgmt 0 when telemetry is streamed
<a href="#">CSCwh40303</a>	[NCS1010/NCS1014] USB Boot entry is not getting created at runtime

Identifier	Headline
<a href="#">CSCwf47073</a>	IPv6 PXE gets stuck while copying the image
<a href="#">CSCwj29487</a>	NCS1010:Console got stuck post software upgrade from 7111CCO to 7112_08I image

### Cisco Optical Site Manager

The following table lists the open caveats for Cisco Optical Site Manager:

Identifier	Headline
<a href="#">CSCwh38869</a>	[COSM]: No mechanism is available on COSM to get the software activation failure cause from platform
<a href="#">CSCwi62714</a>	[COSM]: Device doesn't comes up as HA after switchover, reload
<a href="#">CSCwh28935</a>	[COSM]:Sometimes getting error "SshExec connect failed due to Auth fail" as response of download/act
<a href="#">CSCwi90819</a>	[COSM]: On card mode reconfiguration, non-default config values not shown correctly in COSM
<a href="#">CSCwj51382</a>	NCS1010 COSM: MD32E is showing as BRK-8
<a href="#">CSCwi42836</a>	[COSM]: From Sw Package ID, user is unable to get whether the package is for NCS1010 or NCS1004 in web
<a href="#">CSCwj12140</a>	NCS1010: COSM:on RP0 swap or replacement, COSM misbehaves

## Using Bug Search Tool

You can use the Cisco Bug Search Tool to search for a specific bug or to search for all bugs in a release.

### Procedure

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- Step 1** Go to the <http://tools.cisco.com/bugsearch>.
- Step 2** Log in using your registered Cisco.com username and password.  
The Bug Search page opens.
- Step 3** Use any of these options to search for bugs, and then press Enter (Return) to initiate the search:
- To search for a specific bug, enter the bug ID in the Search For field.
  - To search for bugs based on specific criteria, enter search criteria, such as a problem description, a feature, or a product name, in the Search For field.
  - To search for bugs based on products, enter or select a product from the Product list. For example, if you enter "WAE," you get several options from which to choose.
  - To search for bugs based on releases, in the Releases list select whether to search for bugs affecting a specific release, bugs that were fixed in a specific release, or both. Then enter one or more release numbers in the Releases field.

**Step 4** When the search results are displayed, use the filter tools to narrow the results. You can filter the bugs by status, severity, and so on.

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

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## Determine Software Version

### NCS 1010

Log in to NCS 1010 and enter the **show version** command.

```
RP/0/RP0/CPU0:ios#show version

Fri Mar 29 03:21:07.915 UTC

Cisco IOS XR Software, Version 7.11.2 LNT

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Build Information:

Built By      : swtools

Built On     : Thu Mar 28 06:07:06 UTC 2024

Build Host   : iox-lnx-159

Workspace    : /auto/srcarchive11/prod/7.11.2/ncs1010/ws/

Version      : 7.11.2

Label       : 7.11.2

cisco NCS1010 (C3758 @ 2.20GHz)

cisco NCS1010-SA (C3758 @ 2.20GHz) processor with 32GB of memory

R1 uptime is 22 minutes

NCS 1010 - 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 Programed version must be the same.

**NCS 1010**

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

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

```
Fri Mar 29 03:21:11.191 UTC
```

```
Auto-upgrade:Enabled
```

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

						FPD Versions	
						=====	
Location Reload Loc	Card type	HWver	FPD device	ATR Status	Running	Programd	
0/RP0/CPU0 NOT REQ	NCS1010-CNTRLR-K9	1.11	ADMConfig	CURRENT	3.40	3.40	
0/RP0/CPU0 0/RP0	NCS1010-CNTRLR-K9	1.11	BIOS	S CURRENT	4.60	4.60	
0/RP0/CPU0 0/RP0	NCS1010-CNTRLR-K9	1.11	BIOS-Golden	BS CURRENT		4.10	
0/RP0/CPU0 0/RP0	NCS1010-CNTRLR-K9	1.11	CpuFpga	S CURRENT	1.11	1.11	
0/RP0/CPU0 0/RP0	NCS1010-CNTRLR-K9	1.11	CpuFpgaGolden	BS CURRENT		1.01	
0/RP0/CPU0 0/RP0	NCS1010-CNTRLR-K9	1.11	SsdMicron5300	S CURRENT	0.01	0.01	
0/RP0/CPU0 0/RP0	NCS1010-CNTRLR-K9	1.11	TamFw	S CURRENT	6.13	6.13	
0/RP0/CPU0 0/RP0	NCS1010-CNTRLR-K9	1.11	TamFwGolden	BS CURRENT		6.11	
0/PM0 NOT REQ	NCS1010-AC-PSU	0.0	AP-PrimMCU	CURRENT	1.03	1.03	
0/PM0 NOT REQ	NCS1010-AC-PSU	0.0	AP-SecMCU	CURRENT	2.01	2.01	
0/PM1 NOT REQ	NCS1010-AC-PSU	0.0	AP-PrimMCU	CURRENT	1.03	1.03	
0/PM1 NOT REQ	NCS1010-AC-PSU	0.0	AP-SecMCU	CURRENT	2.01	2.01	
0/0/NXR0 NOT REQ	NCS1K-OLT-C	0.1	OLT	S CURRENT	3.00	3.00	
0/Rack NOT REQ	NCS1010-SA	1.0	EITU-ADMConfig	CURRENT	2.10	2.10	

## Supported MIBs

0/Rack NOT REQ	NCS1010-SA	1.0	IoFpga	S	CURRENT	1.16	1.16
0/Rack NOT REQ	NCS1010-SA	1.0	IoFpgaGolden	BS	CURRENT		1.01
0/Rack 0/Rack	NCS1010-SA	1.0	SsdIntelS4510	S	CURRENT	11.32	11.32
0/1 NOT REQ	NCS1K-BRK-8	1.0	BRK-8	S	CURRENT	2.08	2.08
0/2 NOT REQ	NCS1K-MD-32E-C	10.2	MD-32-ACC	S	CURRENT	2.18	2.18
0/3 NOT REQ	NCS1K-MD-32O-C	10.2	MD-32-ACC	S	CURRENT	2.18	2.18

## Supported MIBs

The [MIB Locator](#) tool on Cisco Feature Navigator (CFN) provides access to NCS 1010 MIBs.

