

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

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Release 7.11.2 Packages



Note Traffic impact and Frame Check Sequence (FCS) errors are observed while downgrading NCS 1010 software from R7.11.x to R7.9.1.

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
Composite Package		
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.
Individually Installable Packages		
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
CSCwi33752	NCS1010:TX drops seen on Mgmt 0 when telemetry is streamed
CSCwh40303	[NCS1010/NCS1014] USB Boot entry is not getting created at runtime
CSCwf47073	IPv6 PXE gets stuck while copying the image
CSCwj29487	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
CSCwh38869	[COSM]: No mechanism is available on COSM to get the software activation failure cause from platform
CSCwi62714	[COSM]: Device doesn't comes up as HA after switchover, reload

Identifier	Headline
CSCwh28935	[COSM]: Sometimes getting error "SshExec connect failed due to Auth fail" as response of download/act
CSCwi90819	[COSM]: On card mode reconfiguration, non-default config values not shown correctly in COSM
CSCwj51382	NCS1010 COSM: MD32E is showing as BRK-8
CSCwi42836	[COSM]: From Sw Package ID, user is unable to get whether the package is for NCS1010 or NCS1004 in web
CSCwj12140	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
```

```
Copyright (c) 2013-2024 by Cisco Systems, Inc.
```

```
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

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Location Reload Loc	Card type	HWver	FPD device	ATR	Status	Running	Programd
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0/RP0/CPU0 NOT REQ	NCS1010-CNTLR-K9	1.11	ADMConfig		CURRENT	3.40	3.40
0/RP0/CPU0 0/RP0	NCS1010-CNTLR-K9	1.11	BIOS	S	CURRENT	4.60	4.60
0/RP0/CPU0 0/RP0	NCS1010-CNTLR-K9	1.11	BIOS-Golden	BS	CURRENT		4.10
0/RP0/CPU0 0/RP0	NCS1010-CNTLR-K9	1.11	CpuFpga	S	CURRENT	1.11	1.11
0/RP0/CPU0 0/RP0	NCS1010-CNTLR-K9	1.11	CpuFpgaGolden	BS	CURRENT		1.01
0/RP0/CPU0 0/RP0	NCS1010-CNTLR-K9	1.11	SsdMicron5300	S	CURRENT	0.01	0.01
0/RP0/CPU0 0/RP0	NCS1010-CNTLR-K9	1.11	TamFw	S	CURRENT	6.13	6.13
0/RP0/CPU0 0/RP0	NCS1010-CNTLR-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
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.

