

How to Upgrade NCS1001 from SW 7.10.1 to 25.4.1

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Introduction

This document describes the procedure to upgrade NCS1001 from SW 7.10.1 to 25.4.1.

Mandatory Bridge SMU installation in NCS1001 to Upgrade from 7.10.1 to 25.4.1

If customers upgrade the node from 7.10.1 to 25.4.1, they can see the issue of DISK space not available if these SMUs are not installed in 7.10.1.

ERROR! No enough space to proceed with ADD operation.

This issue is not because of the space and must be confirmed from CLI using the **show media location all** command if it shows enough free space. But, still the error was seen.

```
RP/0/RP0/CPU0:Node1#show media location all
```

```
Mon Feb 16 19:15:25.546 CET
```

```
Media Info for Location: node0_RP0_CPU0
```

Partition	Size	Used	Percent	Avail

rootfs:	3.9G	1.5G	39%	2.3G
apphost:	3.7G	7.7M	1%	3.5G
harddisk:	2.9G	18M	1%	2.8G
log:	992M	100M	11%	826M
config:	459M	1.9M	1%	423M
disk0:	992M	3.1M	1%	922M

There is a bridge SMU for upgrading the NCS1001 from 7.10.1 to 25.4.1 that needs to be installed in the release 7.10.1 before upgrading to Cisco IOS®.

Upgrade matrix is given 'ro reference' here for the reference and the table 'Software upgrade matrix' mentions about the defect for which you need to add the SMU.

<https://www.cisco.com/c/en/us/td/docs/optical/ncs1001/ncs1001-system-setup-guide/perform-system-upgrade-and-install-feature-packages.html>

If you want to know more about the defect, click the links:

<https://bst.cloudapps.cisco.com/bugsearch/bug/CSCwq24232>

<https://bst.cloudapps.cisco.com/bugsearch/bug/CSCwq24218>

SMU can be downloaded from this portal:

SMU Portal 7.10.1

<https://software.cisco.com/download/home/286315098/type/280867577/release/7.10.1>

You need to install the SMU before upgrading to 25.4.1

ncs1001-7.10.1..tar

ncs1001-7.10.1..tar

ncs1001-sysadmin-7.10.1..tar

ncs1001-sysadmin-7.10.1..tar

Once both bridge SMUs are committed, then you can proceed with the installation of the destination software version 25.4.1 Cisco IOS in the box.