

1. Read the [Release Notes](#) for the release that you are upgrading. *We are planning to upgrade from R 5.1.(1) to R 5.2.(5). Current Image on the Nexus 7K:*

```
Software
BIOS:      version 3.22.0
kickstart: version 5.1(3)
system:    version 5.1(3)
BIOS compile time:    02/20/10
kickstart image file is: bootflash:///n7000-s1-kickstart-npe.5.1.3.bin
kickstart compile time: 12/25/2020 12:00:00 [03/11/2011 02:42:56]
system image file is:   bootflash:///n7000-s1-dk9.5.1.3.bin
system compile time:    1/21/2011 19:00:00 [03/11/2011 03:37:35]
```

2. Verify that sufficient space is available in the location where you are copying the images. *On slot 0, there is NO flash card inserted right now.* Check for Free Space on Internal boot flash. This location includes the active and standby supervisor module bootflash: (internal to the device).

```

NEXUS-1# dir bootflash:
 50030 Jul 19 13:55:58 2011
 33061 Jul 19 13:55:58 2011
 50041 Jul 19 13:55:58 2011
 18417 Jul 19 13:55:58 2011
 49152 Jan 06 14:21:27 2010
 2944822 Jul 19 14:31:21 2011
 99698682 Jan 11 14:21:22 2008
 99279681 Dec 30 12:48:44 2009
146701191 Jun 23 15:57:12 2011
 10993386 Nov 09 16:13:47 2009
 13564350 Jun 23 16:00:25 2011
 30674944 Jun 23 15:54:37 2011
 23875072 Jan 11 14:21:36 2008
 22933504 Dec 30 13:22:14 2009
 45067 Jan 23 21:36:06 2010
 18343 Jan 23 22:40:05 2010
 335832 Jan 23 21:36:06 2010
 4810569 Jan 23 21:54:18 2010
 313801 Jan 23 22:39:58 2010
 32768 Jun 28 15:28:00 2011
 254286 Jul 19 13:57:24 2011
 99714 Jun 26 02:38:04 2011
 4096 Jun 25 20:33:39 2011
 4096 Jul 21 13:52:38 2011
 4096 Jun 25 20:34:07 2011
 292 Jun 07 13:41:57 2012

```

```

Usage for bootflash://sup-local
630104064 bytes used
1209786368 bytes free
1839890432 bytes total

```

```

NEXUS-1# dir bootflash://sup-standby
198586303 Apr 12 14:23:55 2010
 510 Jan 11 14:19:50 2008
 2944822 Jul 19 14:32:07 2011
 4096 Jun 25 22:50:28 2011
 573440 Jun 07 13:48:26 2012
 49152 Jun 25 20:08:24 2011
 99698682 Jan 11 14:20:33 2008
 99279681 Dec 30 13:24:13 2009
146701191 Jun 23 16:01:50 2011
 10993386 Nov 09 16:11:12 2009
 13564350 Jun 23 16:04:34 2011
 30674944 Jun 23 16:04:56 2011
 23875072 Jan 11 14:20:51 2008
 22933504 Dec 30 13:27:02 2009
 71966 Jan 31 00:28:09 2010
 71966 Jan 31 00:55:47 2010
 4096 Jun 25 20:45:20 2011
 4096 Jul 19 14:53:03 2011
 4096 Jun 25 20:45:44 2011
 292 Jun 07 13:58:49 2012

```

```

Usage for bootflash://sup-standby
1170038784 bytes used
669851648 bytes free
1839890432 bytes total

```

```
NEXUS-1# █
```

```

NEXUS-2# dir bootflash://sup-standby
 6795785 Nov 17 09:51:06 2009
101233342 Nov 17 09:57:48 2009
 510 Oct 21 20:28:42 2009
 1310 Jan 21 10:57:18 2010
 4096 Jun 25 23:51:25 2011
 49152 Jun 25 21:21:01 2011
 99698682 Oct 21 20:29:12 2009
 99279681 Dec 30 13:30:45 2009
146701191 Jun 23 14:55:26 2011
 10993386 Nov 09 15:59:14 2009
 13564350 Jun 23 14:57:54 2011
 30674944 Jun 23 14:58:47 2011
 23875072 Oct 21 20:29:24 2009
 22933504 Dec 30 13:32:06 2009
 47438 Jan 23 21:37:26 2010
 22 Jan 23 22:40:44 2010
 342169 Jan 23 21:37:28 2010
1508769 Jan 23 21:54:34 2010
 297883 Jan 23 22:40:45 2010
 96315743 Jan 06 15:35:24 2010
 74516 Jan 31 00:18:11 2010
12010 Nov 17 11:31:08 2009
 4096 Jun 25 21:59:07 2011
 4096 Jun 25 21:59:13 2011
 4096 Jun 25 21:58:25 2011
 292 Sep 20 09:13:10 2011

```

```

Usage for bootflash://sup-standby
1071554560 bytes used
768335872 bytes free
1839890432 bytes total

```

```

NEXUS-2# dir bootflash:
 16384 Oct 21 19:37:11 2009
 99698682 Oct 21 20:29:39 2009
 99279681 Dec 30 13:34:58 2009
146701191 Jun 23 14:52:57 2011
 10993386 Nov 09 16:03:53 2009
 13564350 Jun 23 14:49:57 2011
 30674944 Jun 23 14:50:44 2011
 23875072 Oct 21 20:29:46 2009
 22933504 Dec 30 13:33:09 2009
 73728 Jun 28 15:28:00 2011
 1132 Jun 28 15:03:31 2011
 30 Jun 28 15:06:57 2011
10742775 Jun 28 15:10:32 2011
 8392172 Jun 28 15:12:12 2011
 4096 Jun 25 21:48:02 2011
 4096 Jun 25 21:48:18 2011
 4096 Jun 25 21:47:41 2011
 292 Sep 20 09:13:10 2011

```

```

Usage for bootflash://sup-local
594571264 bytes used
1245319168 bytes free
1839890432 bytes total

```

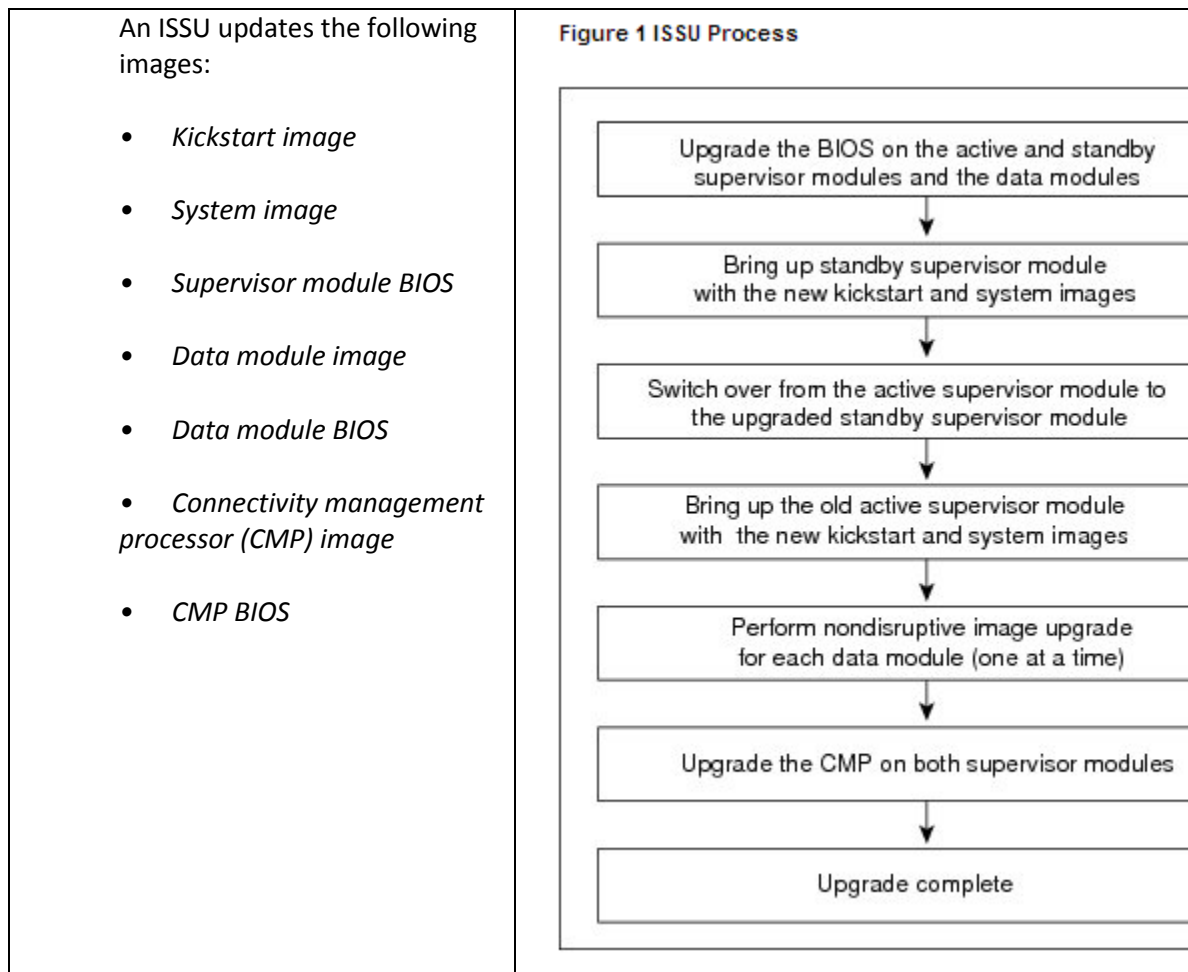
- Copy the new image onto your supervisor modules in bootflash:

Example:

```
switch# copy scp://user@scpserver.cisco.com//downloads/n7000-s1-kickstart.4.0.1a.bin  
bootflash:n7000-s1-kickstart.4.0.1a.bin
```

```
switch# copy scp://user@scpserver.cisco.com//downloads/n7000-s1-dk9.4.0.1a.bin  
bootflash:n7000-s1-dk9.4.0.1a.bin
```

- We are running 4 VDC(including default) on dual Supervisor engine with VPCs.



- Use the **show configuration session summary** command to verify that you have no active configuration sessions. Save the device configuration using the **copy running-config startup-config vdc-all** command.

6. Use the **show install all impact** command to verify that the new image is healthy and the impact that the new load will have on any hardware with regards to compatibility. Check for compatibility. Copy the startup-config file to a snapshot configuration in NVRAM. This is like doing an IOS VERIFY on traditional cisco IOS.
7. How to create a snapshot?
8. Save your running configuration to the startup configuration. Back up a copy of your configuration to a remote TFTP server. Schedule your upgrade during an appropriate maintenance window for your network.
9. Log in to the console port on both of the active and standby supervisor modules.
10. Issue the following command to trigger the upgrade

```
install all kickstart bootflash:n7000-s1-kickstart.4.0.1a.bin system  
bootflash:n7000-s1-dk9.4.0.1a.bin
```

The Output will display, if it is disruptive or non-disruptive. SO I will resolve the issues on disruptive upgrade.

11. After the installation operation completes, log in and verify that the device is running the required software version using the show version command.

```
switch# show version
```

12. Reload both CMPs. For information about configuring and upgrading the CMP, see the *Cisco Nexus 7000 Series Connectivity Management Processor Configuration Guide*.

```
switch# reload cmp module 5  
switch# reload cmp module 6
```