

This document provides instructions to upgrade an NSM5300 to a VXS5300.

Preparing for Installation

To avoid damaging the server, perform the following steps before you begin working inside the server.

1. Ensure that the work surface is flat and clean to prevent the server cover from being scratched.
2. Power off the server.
3. Disconnect all network cables from the server.



Caution: To disconnect a network cable, first unplug the cable from the server, and then unplug the cable from the network device.

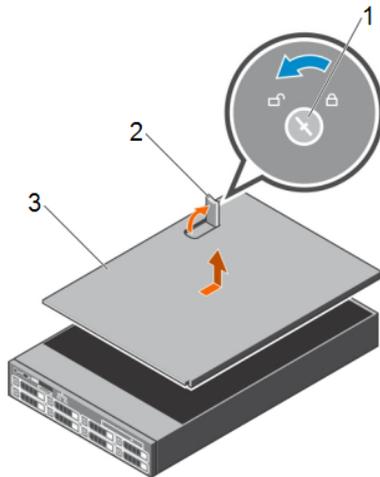
4. Disconnect the server and all attached devices from their electrical outlets.
5. Press and hold the power button while the server is unplugged to ground the system board.



Caution: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface simultaneously as touching a connector on the back of the server.

Upgrading the Server

1. Remove the system cover.
 - a. Use a Phillips screwdriver to rotate the lock on the latch and release the lock [1].



- b. Pull the latch to release the top cover [2].

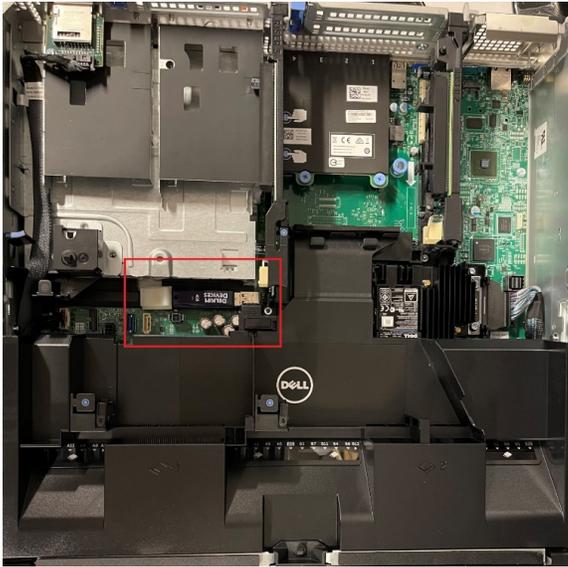


Note: The position of the latch varies depending on the configuration of your server.

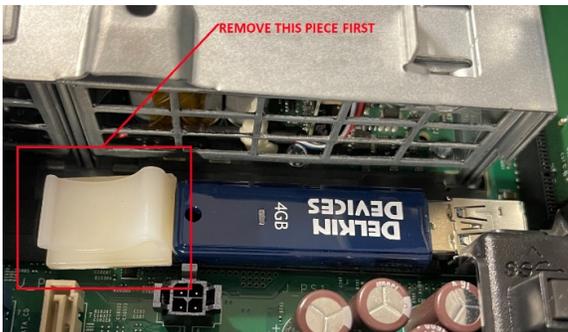
- c. Lift the top cover away from the server [3].

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2. Locate the internal USB drive.



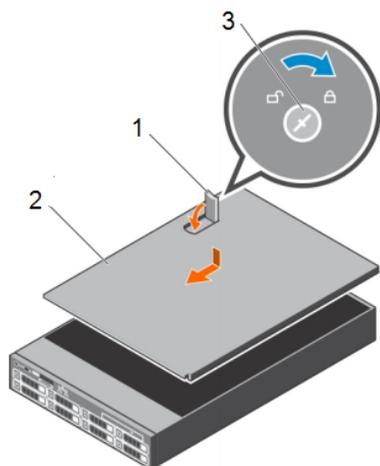
3. Remove the USB stopper.



4. Remove the internal USB key from the USB port.



5. Install the server cover.
 - a. Ensure that all internal cables are routed correctly and are connected.
 - b. Lift the release latch on the top cover [1].
 - c. Align the top cover tabs with the slots on the system chassis [2], and then slide the tabs into the slots.



The release latch [1] automatically locks the top cover to the system.

- d. Use a Phillips screwdriver to rotate the lock on the latch to the locked position [3].
6. Apply the Windows Server 2019 license sticker to the server.



7. Connect the server to power, monitor, keyboard, mouse, and internet.
8. Insert the supplied recovery USB flash drive into any available USB port of the server.
9. Perform a factory restore.



Caution: This procedure will wipe all data from the drives of the server.

- a. Power on the server by pressing the power button on the front of the server.
- b. While the server is powering-on, press F11 on the attached keyboard to launch the Boot Manager.
- c. Select **One-shot BIOS Boot Menu**, and then press Enter.
- d. Select the USB flash drive, and then press Enter.
- e. Select either **option 2** or **option 3** from the factory restore option menu.



Caution: This will wipe the current RAID array and create the new one.

- Option 2 will create a RAID 6 array; Option 3 will create a RAID 5 array.
 - Depending on the size of the drives, it can take from as few as 3 hours to as many as 13 hours.
- f. After the RAID array is created, press any key to reboot.



Note: Do not remove the recovery USB drive because it will be booting to it again.

- g. While the server is powering-on, press F11 to launch the Boot Manager.
- h. Select **One-shot BIOS Boot Menu**, and then press Enter.
- i. Select the USB flash drive, and then press Enter.
- j. Select **option 1** from the factory restore option menu.



Caution: This will re-image the OS and data partitions to factory default.

- k. When restoration is complete, press any key to reboot the server.
10. Remove the USB recovery key.
 11. When prompted to do so, type in the Windows Server 2019 license key.
 12. Log in to Windows with the Pelco account settings.
 - Username: pelco
 - Password: Pel2899100
 13. Ensure that the server is connected to the internet, in order to activate Windows.

Adding the VXS5300™ to the VideoXpert System™

Use VxToolbox™ to add the VXS5300™ to the VideoXpert System™:

1. Launch VxToolbox.
2. In VxToolbox, click **Devices**, and then do one of the following:
 - Click the *Quick Discovery* icon () to perform a quick search for devices.
 - Click the *Advanced Discovery Options* icon () to the right of the *Quick Discovery* icon, and then click **Quick Discovery**.
 - Click the *Advanced Discovery Options* icon () to the right of the *Quick Discovery* icon, and then click **Advanced Discovery**. In the *Discover Network Devices* dialog box, in the *Discovery Method* field, select **Discover by IP or Hostname** from the drop-down menu. Specify the *Host* address, and then click **Discover**.
3. When the Pelco Storage Server is found, click to select it.
4. Click the *Add and Commission* icon () at the lower right of the center panel.
5. If the *Authentication Notice* dialog box opens, follow the instructions in the dialog box. The icon for the VXS5300 changes from *Not added; not commissioned* () to *Added; commissioned* ()

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