ONTAP updates

Software and firmware

DM Series ONTAP updates

An ONTAP update can be performed from either the SSH CLI or the Storage Manager GUI. This section introduces the procedure used to perform an ONTAP update from the ONTAP 9.8 Storage Manager GUI. For the CLI update method, refer to course ES71914B - Servicing the Lenovo ThinkSystem DM Series storage.

Click each step in turn to see the procedure

Step ❶—❷—❸

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DM Series ONTAP updates

- There are three stages to a firmware update: Select, Validate, and Update.
- From the **Cluster** ➜ **Update** page, files can be uploaded from an http or ftp server (with no authentication). They can also be uploaded directly from the client that Systems Manager is running on.
- After the file has been uploaded, it will be visible in **Available Software Image**.

Select an ONTAP image to update

Either add an image from your local machine server or local client or choose an existing image below.

+ Add Image

AVAILABLE SOFTWARE IMAGE

○ 9.7RC1 (Image build time: Friday, Nov 22, 2019, 2:39 AM) 🗑

○ 9.7X1 (Image build time: Wednesday, Jul 31, 2019, 1:33 AM) 🗑

Step ①—❷—❸

DM Series ONTAP updates

- At this point, select the image you want to use, and then click **Next.**

- Click **Validate**.

- You will receive a series of warnings if your system is active.

⚠ Warnings

Pre-Update Check	Status	Error	Advice	⚙
CIFS status	⚠	CIFS is currently in use. Any unprotecte...	Stop all unprotected CIFS workloads bef...	
Manual checks	⚠	Manual validation checks need to be p...	Refer to the Upgrade Advisor Plan or "P...	
NFS mounts	⚠	This cluster is serving NFS clients. If NF...	Use NFS hard mounts, if possbile.	
Name Service Configuration DNS Check	⚠	None of the configured DNS servers ar...	Delete the DNS server, or verify that the...	
SAN compatibility	⚠	Since this cluster is configured for SAN,...	All SAN components-including target Da...	

Detailed Status of the Selected Pre-Update Check:

Step ①—②—③

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DM Series ONTAP updates

- If everything is OK, proceed with the installation.
- The update phase will begin.
- Select **Update**, and the additional validation process will be carried out.
- Select the **Continue update with warnings** check box, and then click **Continue**.
- The update will begin with the first node.
- The process will take over an hour. As each node is updated, its status will change in Systems Manager.

Update in progress...

Estimated Time Left: 1 hour 26 minutes 13 seconds

Approximate Time Elapsed: 47 seconds

Node	Status	Approximate Time Elapsed
FAS8200_Dev_1		1 seconds
FAS8200_Dev_2		1 seconds

Detailed Status of the Selected Node:

Step ①—②—③

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ONTAP 9.8 firmware update changes

- When ONTAP 9.8 has been installed, the firmware update screen will change to include both ONTAP Image Update and Firmware Update tabs.

- In addition to making ONTAP image updates, you will also be able to install BMC/SP firmware, disk firmware, expansion unit firmware, and disk qualification packages from the GUI.