



# Automated nondisruptive using System Manager

ONTAP 9

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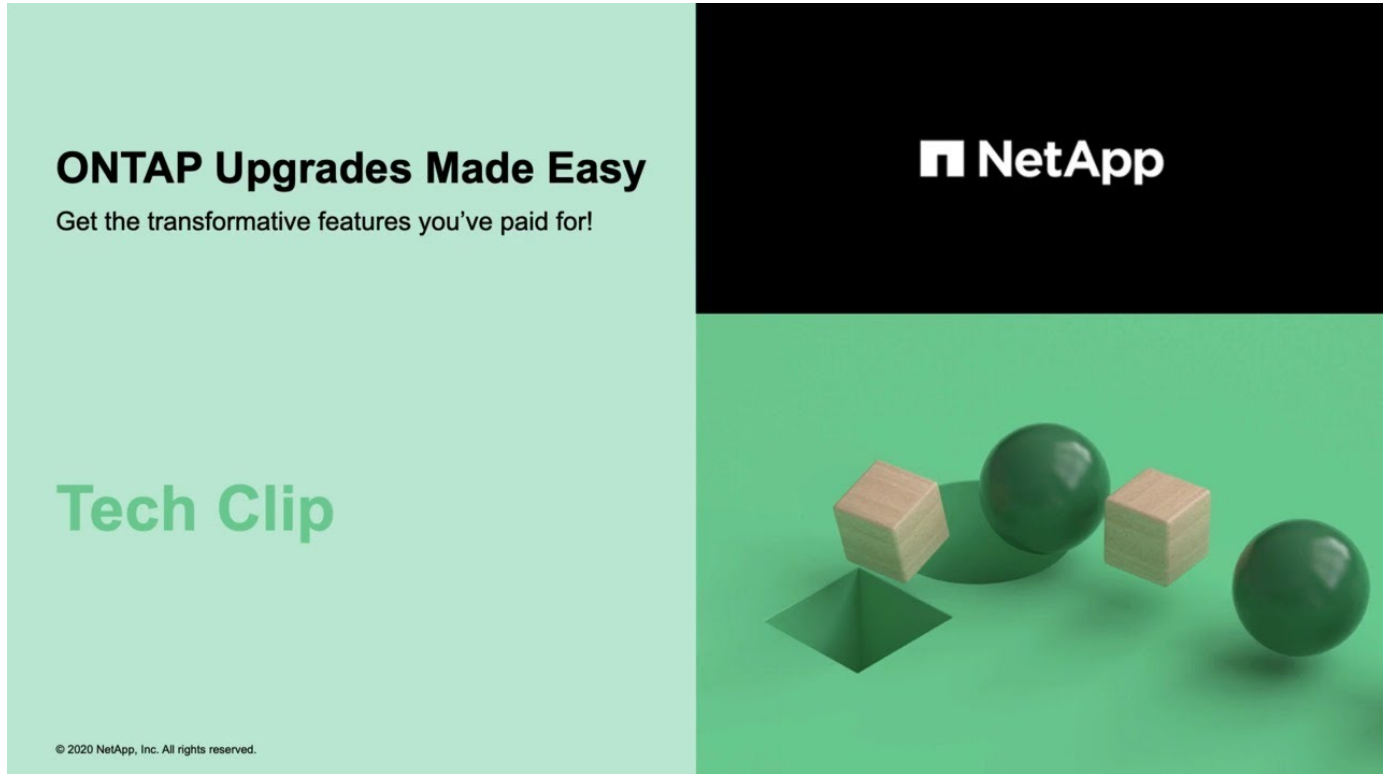
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# Automated nondisruptive using System Manager

You can nondisruptively update the version of ONTAP on your cluster using System Manager.

Take a look at the simplified ONTAP upgrade capabilities available in ONTAP 9.8 System Manager.



The update process checks your hardware platform and configuration to verify that your system is supported by the ONTAP version to which you are upgrading. ONTAP automatically shifts workloads during an upgrade between clusters so you can continue serving data.

This procedure updates your system to the specified version of ONTAP. It is assumed that your hardware platform and configuration is supported for the target release.



If issues are encountered during your automated upgrade, you can view EMS messages and details in ONTAP System Manager: Click **Events & Jobs > Events**.

## Steps

1. If you want to download the software image to an HTTP or FTP server on your network, copy the software image from the NetApp support site to the directory on the HTTP or FTP server from which the image will be served.

If you want to download the software image to a local folder, then click the software image on the NetApp support site, select **Save As**, and then choose the local folder to place the image.

2. Depending on the System Manager version that you are running, perform one of the following steps:

ONTAP version	Steps
ONTAP 9.8 or later	Click <b>Cluster &gt; Overview</b> .
ONTAP 9.5, or 9.6	Click <b>Configuration &gt; Cluster &gt; Update</b> .
ONTAP 9.4 or earlier	Click <b>Configuration &gt; Cluster Update</b> .

3. In the right corner of the Overview pane, click .

4. Click **ONTAP Update**.

5. In the Cluster Update tab, add a new image or select an available image.

If you want to...	Then...
Add a new software image from the local client  <b>Note:</b> You should have already downloaded the image to the local client.  <a href="#">Download and install the ONTAP software images</a>	a. Under Available Software Images, click <b>Add from Local</b> .  b. Browse to the location you saved the software image, select the image, and then click <b>Open</b> .  The software image uploads after you click <b>Open</b> .
Add a new software image from the NetApp Support Site	a. Click <b>Add from Server</b> .  b. In the Add a New Software Image dialog box, enter the URL of the HTTP server or FTP server on which you have saved the image that was downloaded from the NetApp Support Site.  For anonymous FTP, you must specify the URL in the <a href="#">ftp://anonymous@ftpserver</a> format.  c. Click <b>Add</b> .
Select an available image	Choose one of the listed images.

6. Click **Validate** to run the pre-update validation checks to verify whether the cluster is ready for an update.

The validation operation checks the cluster components to validate that the update can be completed nondisruptively, and then displays any errors or warnings. It also displays any required remedial action that you must perform before updating the software.



You must perform all of the required remedial actions for the errors before proceeding with the update. Although you can ignore the remedial actions for the warnings, the best practice is to perform all of the remedial actions before proceeding with the update.

7. Click **Next**.

## 8. Click **Update**.

Validation is performed again.

- When the validation is complete, a table displays any errors and warnings, along with any required remedial actions to be taken before proceeding.
- If the validation is completed with warnings, you can choose to select the **Continue update with warnings** checkbox, and then click **Continue**.

When the validation is complete and the update is in progress, the update might be paused because of errors. You can click the error message to view the details, and then perform the remedial actions before resuming the update.

After the update is completed successfully, the node reboots, and you are redirected to the ONTAP System Manager login page. If the node takes a long time to reboot, you must refresh your browser.

## Resuming an upgrade (using System Manager) after an error in the automated upgrade process

If an automated upgrade pauses because of an error, you can resolve the error and resume the automated upgrade, or you can cancel the automated upgrade and complete the process manually. If you choose to continue the automated upgrade, do not perform any of the upgrade steps manually.

1. Depending on the System Manager version that you are running, perform one of the following steps:
  - ONTAP 9.4 or earlier: Click **Configuration > Cluster Update**.
  - ONTAP 9.5 or 9.6: Click **Configuration > Cluster > Update**.
  - ONTAP 9.7 or later: Click **Cluster > Overview**

Then in the right corner of the Overview pane, click the three blue vertical dots, and **ONTAP Update**.

2. Continue the automated update or cancel it and continue manually.

If you want to...	Then...
Resume the automated updated	Click <b>Resume</b> .
Cancel the automated updated and continue manually	Click <b>Cancel</b> .

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