



Upgrade and revert ONTAP

ASA r2

NetApp

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Upgrade and revert ONTAP

Upgrade ONTAP on ASA r2 storage systems

When you upgrade your ONTAP software on your ASA r2 system, you can take advantage of new and enhanced ONTAP features that can help you reduce costs, accelerate critical workloads, improve security, and expand the scope of data protection available to your organization.

ONTAP software upgrades for ASA r2 systems follow the same process as upgrades for other ONTAP systems. If you have an active SupportEdge contract for Active IQ Digital Advisor (also known as Digital Advisor), you should [prepare to upgrade with Upgrade Advisor](#). Upgrade Advisor provides intelligence that helps you minimize uncertainty and risk by assessing your cluster and creating an upgrade plan specific to your configuration. If you don't have an active SupportEdge contract for Active IQ Digital Advisor, you should [prepare to upgrade without Upgrade Advisor](#).

After you prepare for your upgrade, it is recommended that you perform upgrades using [automated non-disruptive upgrade \(ANDU\) from System Manager](#). ANDU takes advantage of ONTAP's high-availability (HA) failover technology to ensure that clusters continue to serve data without interruption during the upgrade.

Learn more about [ONTAP software upgrades](#).

Revert ONTAP on ASA r2 storage systems

ONTAP software reverts for ASA r2 systems follow the same process as reverts for other ONTAP systems.

Reverting an ONTAP cluster is disruptive. You must take the cluster offline for the duration of the reversion. You should not revert a production cluster without assistance from technical support. You can revert a new or test cluster without assistance. If the revert of a new or test system fails or if it finishes successfully, but you are not satisfied with the cluster performance in your production environment, you should contact technical support for assistance.

[Revert an ONTAP cluster](#).

Revert requirements for ASA r2 systems

Certain ASA r2 cluster configurations require you to take specific actions before you begin an ONTAP software revert.

Reverting from ONTAP 9.17.1

If you are reverting from ONTAP 9.17.1 on an ASA r2 system, you should perform the following actions before you begin the revert:



[dynamic space balancing](#) is enabled by default 14 days after either upgrading to ONTAP 9.17.1 or initializing a new ONTAP 9.17.1 ASA r2 cluster. You cannot revert from ONTAP 9.17.1 on your ASA r2 system after dynamic space balancing is enabled.

If you have...	Before you revert you should...
Hierarchical consistency groups in a SnapMirror active sync relationship	Delete the SnapMirror active sync relationship.
Active import relationships	Delete the active import relationships. Learn about import relationships.
Anti-ransomware protection enabled	Pause anti-ransomware protection.

Update firmware on ASA r2 storage systems

ONTAP automatically downloads and updates firmware and system files on your ASA r2 system by default. If you want the flexibility of viewing recommended updates before they are downloaded and installed, you can use ONTAP System Manager to disable automated updates or to edit update parameters to show you notifications of available updates before any action is performed.

Enable automatic updates

Recommended updates for storage firmware, SP/BMC firmware and system files are automatically downloaded and installed on your ASA r2 system by default. If automatic updates have been disabled, you can enable them to reinstate the default behavior.

Steps

1. In System Manager, select **Cluster > Settings**.
2. Under **Software updates**, select **Enable**.
3. Read the EULA.
4. Accept the defaults to **Show notification** of recommended updates. Optionally, select to **Automatically update** or to **Automatically dismiss** recommended updates.
5. Select to acknowledge that your update modifications will be applied to all current and future updates.
6. Select **Save**.

Result

Recommended updates are automatically downloaded and installed on your ASA r2 system based upon your update selections.

Disable automatic updates

Disable automatic updates only if you want to manage updates entirely yourself. With automatic updates turned off, the system will not notify, download, or install updates. You are responsible for monitoring, downloading, scheduling, and installing all updates manually.

Steps

1. In System Manager, select **Cluster > Settings**.
2. Under **Software updates**, select **Disable**.

Result

Automatic updates are disabled. You should regularly check for recommended updates and decide if you want to perform a manual installation.

View automatic updates

View a list of firmware and system file updates that have been downloaded to your cluster and are scheduled for automatic installation. Also view updates that have been previously automatically installed.

Steps

1. In System Manager, select **Cluster > Settings**.
2. Next to **Software updates** select →, then select **View all automatic updates**.

Edit automatic updates

You can select to have recommended updates for your storage firmware, SP/BMC firmware and your system files automatically downloaded and installed on your cluster, or you can select to have recommended updates automatically dismissed. If you want to manually control installation or dismissal of updates, select to be notified when a recommended update is available; then you can manually select to install or dismiss it.

Steps

1. In System Manager, select **Cluster > Settings**.
2. Next to **Software updates** select →, then select **All other updates**.
3. Update the selections for automatic updates.
4. Select **Save**.

Result

Automatic updates are modified based on your selections.

Update firmware manually

If you want the flexibility of viewing recommended updates before they are downloaded and installed, you can disable automated updates and update your firmware manually.

Steps

1. Download your firmware update file to a server or local client.
2. In System Manager, select **Cluster > Overview**, then select **All other updates**.
3. Under **Manual Updates**, select **Add firmware files**; then select **Download from the server** or **Upload from the local client**.
4. Install the firmware update file.

Result

Your firmware is updated.

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