Upgrade sequences

HCI

NetApp
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Upgrade sequences

Upgrade your NetApp HCI system for version 1.8

You can keep your NetApp HCI system up-to-date after deployment by sequentially upgrading all NetApp HCI software components.

These components include management services, HealthTools, NetApp Hybrid Cloud Control (HCC), Element software, management node, compute firmware, compute drivers, and the Element Plug-in for vCenter Server.

What you'll need

- You are running management node 11.3 or later. Newer versions of the management node have a modular architecture that provides individual services.

  To check the version, log in to your management node and view the Element version number in the login banner. If you do not have 11.3, see Upgrade your management node.

- You have upgraded your management services to at least version 2.1.326.

  Upgrades using HCC are not available in earlier service bundle versions.

- You have ensured that the system time on all nodes is synced and that NTP is correctly configured for the storage cluster and nodes. Each node must be configured with a DNS nameserver in the per-node web UI (`https://[IP address]:442`) with no unresolved cluster faults related to time skew.

Steps

1. Update management services from Hybrid Cloud Control.

   You must upgrade to the latest management services bundle before upgrading your Element software.

2. (Optional) Upgrade to the latest HealthTools.

   Upgrading HealthTools is only required if the management node and Element software you are running is 11.1 or earlier. HealthTools are not required for performing Element upgrades using NetApp Hybrid Cloud Control.

3. Run Element storage health checks prior to upgrading storage.
4. Upgrade your Element software and storage firmware.
5. (Optional) Upgrade your Element storage firmware only.

You might perform this task when a new storage firmware upgrade becomes available outside of a major release.

6. Upgrade your management node.
7. Upgrade your Element Plug-in for vCenter Server.
8. Run compute node health checks prior to upgrading compute firmware.
9. Update your compute node drivers.
10. Update your compute node firmware.

Find more information

- NetApp HCI Documentation Center
- NetApp HCI Resources Page

Upgrade your NetApp SolidFire all-flash storage system for Element 12.2

You can keep your SolidFire Element storage system up-to-date after deployment by sequentially upgrading all NetApp storage components.

These components include management services, HealthTools, NetApp Hybrid Cloud Control (HCC), Element software, management node, and (depending on your installation) the Element Plug-in for vCenter Server.

What you'll need

- You are running management node 11.3 or later. Newer versions of the management node have a modular architecture that provides individual services.

To check the version, log in to your management node and view the Element version number in the login banner. If you do not have 11.3, see Upgrade your management node.

- You have upgraded your management services to at least version 2.1.326.

  Upgrades using HCC are not available in earlier service bundle versions.

- You have ensured that the system time on all nodes is synced and that NTP is correctly configured for the storage cluster and nodes. Each node must be configured with a DNS nameserver in the per-node web UI (`https://[IP address]:442`) with no unresolved cluster faults related to time skew.

Steps

1. Update management services from Hybrid Cloud Control.

You must upgrade to the latest management services bundle before upgrading your Element software.

2. (Optional) Upgrade to the latest HealthTools.

Upgrading HealthTools is only required if the management node and Element software you are running is 11.1 or earlier. HealthTools are not required for performing Element upgrades using NetApp Hybrid Cloud Control.

3. Run Element storage health checks prior to upgrading storage.
4. Upgrade your Element software and storage firmware.
5. (Optional) Upgrade your Element storage firmware only.

You might perform this task when a new storage firmware upgrade becomes available outside of a major release.

6. Upgrade your management node.
7. Upgrade your Element Plug-in for vCenter Server.

Find more information

- NetApp HCI Documentation Center
- NetApp HCI Resources Page

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