



# Upgrade your vSphere components for a NetApp HCI system with the Element Plug-in for vCenter Server

## HCI

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# Upgrade your vSphere components for a NetApp HCI system with the Element Plug-in for vCenter Server

When you upgrade the VMware vSphere components of your NetApp HCI installation, there are some additional steps you will need to take for the Element Plug-in for vCenter Server.

## Steps

1. For vCSA upgrades, [clear](#) mNode settings in the plug-in (**NetApp Element Configuration > mNode Settings**). The **mNode Status** field displays **Not Configured** after the process is complete.
2. For vCSA and Windows upgrades, [unregister](#) the plug-in from the vCenter Server with which it is associated using the registration utility.
3. [Upgrade vSphere, including vCenter Server, ESXi, VMs, and other VMware components.](#)



When upgrading ESXi for compute nodes for a [two-node cluster](#), upgrade only one compute node at a time so that only one witness node is temporarily unavailable and cluster quorum can be maintained.

4. [Register](#) the Element Plug-in for vCenter Server again with vCenter.
5. [Add clusters](#) using the plug-in.
6. [Configure QoSSIOC settings](#) using the plug-in.
7. [Enable QoSSIOC](#) for all datastores controlled by the plug-in.

## Find more information

- [NetApp HCI Documentation Center](#)
- [NetApp HCI Resources Page](#)
- [NetApp HCI Two-Node Storage Cluster Technical Report](#)

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