



# Cluster Expansion—Converged Nodes

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## Cluster Expansion—Converged Nodes

### Before you begin

- Converged nodes can be added after cluster creation.
- This procedure includes Windows Operating System installation.
- Prior to cluster expansion, ensure that the Windows ISO file is available.
- For Hyper-V clusters running on releases earlier than 3.5(2a), cluster expansion is supported for **converged nodes** only.

### Procedure

**Step 1** Launch the **Cisco HX Data Platform Installer**.

**Step 2** In the login page, enter the following credentials:

**Username:** `root`

**Password (Default):** `Cisco123`

**Note** Systems ship with a default password of `Cisco123` that must be changed during installation. You cannot continue installation unless you specify a new user supplied password.

**Step 3** Check the **I accept the terms and conditions** checkbox, and click **Login**.

**Step 4** On the **Select a Workflow** page, select **Cluster Expansion**.

**Step 5** On the **Cluster** page, complete the following fields and click **Continue**.

Field	Description
Cluster Management Hostname	The hostname for the existing cluster.
User Name	Administrator username for the existing cluster.

Field	Description
Password	Password for the administrator user of the HX cluster.

**Step 6** On the **Credentials** page, complete the following fields and click **Continue**.

Field	Description
<b>UCS Manager Credentials</b>	
UCS Manager Hostname	Cisco UCS Manager FQDN or IP address
UCS Manager User Name	Administrator user or a user with Cisco UCS Manager administrator privileges.
Password	The password for UCS Manager.
<b>Domain Information</b>	
HX Service Account	The HX Service account associated with the existing cluster.
Password	The password for the HX Service account.
<b>Constrained Delegation</b>	
Configure Constrained Delegation now(recommended) or Configure Constrained Delegation later	Select one of the checkboxes. Constrained Delegation is required for VM Live Migration. To configure Constrained Delegation later, use the procedure described in <a href="#">Configuring a Static IP Address for Live Migration and VM Network</a> .
HX Service Account Password	Required for Constrained Delegation.
Use HX Service Account	Click the checkbox if HX service account is provided. If checked, the HX service account will be used for Constrained Delegation. The user must be a domain administrator.
Username	Enter a domain level username.
Password	Enter a domain level password.
<b>Hypervisor Credentials</b>	
Local Administrator Account	Local administrator username for the Hyper-V hosts.
Password	Password for the local administrator account.

**Step 7** On the **Node Selection** page, view all the associated and unassociated servers under the **Associated** and **Unassociated** tabs respectively.

Under the **Unassociated** tab, you can choose to add any nodes to the existing cluster.

Under the **Associated** tab, you can choose to unassociate servers from the existing cluster.

**Step 8** On the **UCSM Configuration** page, view or modify the auto-populated details for the VLAN configuration and MAC Pool information for the existing cluster. Then, click **Continue**.

**Step 9** On the **Hypervisor Configuration** page, complete the following fields:

Field	Description
Install Hypervisor (Hyper-V)	<p>By default, this checkbox is selected.</p> <p>Leave the checkbox selected to enable OS installation and network configuration. Click <b>Browse</b> to select and upload the ISO file. Alternatively, drag and drop the ISO file into the area.</p> <p>From <b>Select the Operating System you wish to install</b> choose one of the following</p> <ul style="list-style-type: none"> <li>• Windows Server 2016 Datacenter (Desktop Experience)</li> <li>• Windows Server 2016 Datacenter (Core)</li> <li>• Windows Server 2019 Datacenter (Desktop Experience)</li> </ul>

Click **Continue**.

**Step 10** On the **Node Configuration** page, click **Add Converged Server** to add the servers to your existing cluster.

**Step 11** Click **Start** to begin the expansion. The **Progress** page displays the progress of the configuration tasks

**Step 12** Perform the following post installation steps:

- [Configuring a Static IP Address for Live Migration and VM Network](#)
- [\(Optional\) Post Installation Constrained Delegation](#)
- [Configure Local Default Paths](#)
- [Checking the Windows Version on the Hyper-V Host](#)

