Installing Cisco Nexus Dashboard Fabric Controller

This chapter contains the following sections:

Installing Nexus Dashboard Fabric Controller Service Using App Store

To install Cisco Nexus Dashboard Fabric Controller Release 12.0.1a in an existing Cisco Nexus Dashboard cluster, perform the following steps:

Before you begin

- Ensure that you've installed the required form factor of Cisco Nexus Dashboard. For instructions, refer to Cisco Nexus Dashboard Deployment Guide.

- The Cisco DC App Center must be reachable from the Nexus Dashboard via the Management Network directly or using a proxy configuration. Nexus Dashboard proxy configuration is described in the *Cisco Nexus Dashboard User Guide*.

  If you are unable to establish the connection to the DC App Center, skip this section and follow the steps described in Installing Nexus Dashboard Fabric Controller Service Manually, on page 3.

- Ensure that the services are allocated with IP pool addresses on the Cisco Nexus Dashboard. For more information, refer to *Cluster Configuration* section in *Cisco Nexus Dashboard User Guide*.

Procedure

Step 1   Launch the Cisco **Nexus Dashboard** Web UI using appropriate credentials.

Step 2   Click on **Admin Console > Services** menu in the left navigation pane to open the Services Catalog window.

Step 3   On the **App Store** tab, identify the Nexus Dashboard Fabric Controller Release 12.0.1a card and click **Install**.

Step 4   On the License Agreement screen, read the CISCO APP CENTER AGREEMENT and click on **Agree and Download**.

Wait for the application to be downloaded to the Nexus Dashboard and deployed.

It may take up to 30 minutes for the application to replicate to all nodes and all services to fully deploy.

Nexus Dashboard Fabric Controller application appears in the **Services Catalog**. The status is shown as **Initializing**.

Step 5   After the Nexus Dashboard Fabric Controller application is initialized, click **Enable** on the Nexus Dashboard Fabric Controller application card.

The **Enable Cisco Nexus Dashboard Fabric Controller** window appears.

Step 6   Click on the **Deployment Profile** field to view the different profiles.

Deployment profile contains the resources profile required for Cisco Nexus Dashboard Fabric Controller. For more information, refer to Deployment Profiles.

Step 7   Click **Enable**.

After the services are enabled, the button on the Nexus Dashboard Fabric Controller card shows **Open**.

Wait until all the pods and containers are up and running.

Step 8   Click on **Open** to launch Cisco Nexus Dashboard Fabric Controller Web UI.

| **Note** | The single sign-on (SSO) feature allows you to log in to the application using the same credentials as you used for the Nexus Dashboard. |

The **Nexus Dashboard Fabric Controller Web UI** opens in a new browser. The **Feature Management** window appears.

| **Note** | If External Service Pool IP addresses are not configured, an error message appears. Go to **Nexus Dashboard Web UI > Infrastructure > Cluster Configuration**. Configure the Management Service and Data Service IP addresses in the External Service Pools section. For more information, refer to *Cluster Configuration* section in *Cisco Nexus Dashboard User Guide*. |

Three cards namely **Fabric Discovery**, **Fabric Controller**, and **SAN Controller** is displayed.

Step 9   Based on the requirement, select the deployment.

From the list of Features, select features that you need to enable on the Nexus Dashboard Fabric Controller deployment.

| **Note** | The list of features displayed is based on the Deployment selected on the card. |

Step 10   Click **Apply** to deploy Nexus Dashboard Fabric Controllerwith the selected features.

After the installation is complete, the deployment card and all the features status show as **Started**.

Installing Nexus Dashboard Fabric Controller Service Manually

To manually upload and install Cisco Nexus Dashboard Fabric Controller Release 12.0.1a in an existing Cisco Nexus Dashboard cluster, perform the following steps:

Before you begin

- Ensure that you've installed the required form factor of Cisco Nexus Dashboard. For instructions, refer to Cisco Nexus Dashboard Deployment Guide.

- Ensure that the services are allocated with IP pool addresses on the Cisco Nexus Dashboard. For more information, refer to *Cluster Configuration* section in *Cisco Nexus Dashboard User Guide*.

Procedure

Step 1   Go to the following site: https://dcappcenter.cisco.com.

Cisco DC App Center page opens.

In the **All apps** section, all the applications supported on Cisco Nexus Dashboard.

Step 2   Locate the Cisco Nexus Dashboard Fabric Controller Release 12.0.1a application and click the **Download** icon.

Step 3   On the License Agreement screen, read the CISCO APP CENTER AGREEMENT and click on **Agree and Download**.

Save the Nexus Dashboard Fabric Controller application to your directory that is easy to find when you must import/upload to Nexus Dashboard.

Step 4   Launch the Cisco **Nexus Dashboard** using appropriate credentials.

Step 5   Choose **Admin Console > Services > Installed Services** to view the services installed on the Cisco Nexus Dashboard.

Step 6   From the **Actions** drop-down list, choose **Upload Service**.

Step 7   Choose the **Location** toggle button and select either Remote or Local.

You can choose to either upload the service from a remote or local directory.

- If you select **Remote**, in the **URL** field, provide an absolute path to the directory where the Nexus Dashboard Fabric Controller application is saved.

- If you select **Local**, click **Browse** and navigate to the location where the Nexus Dashboard Fabric Controller application is saved. Select the application and click **Open**.

Step 8   Click **Upload**.

Nexus Dashboard Fabric Controller application appears in the Services Catalog. The status is shown as Initializing.

Wait for the application to be downloaded to the Nexus Dashboard and deployed.

It may take up to 30 minutes for the application to replicate to all nodes and all services to fully deploy.

Nexus Dashboard Fabric Controller application appears in the **Services Catalog**. The status is shown as **Initializing**.

Step 9   After the Nexus Dashboard Fabric Controller application is initialized, click **Enable** on the Nexus Dashboard Fabric Controller application card.

The **Enable Cisco Nexus Dashboard Fabric Controller** window appears.

Step 10   Click on the **Deployment Profile** field to view the different profiles.

Deployment profile contains the resources profile required for Cisco Nexus Dashboard Fabric Controller. For more information, refer to Deployment Profiles.

Step 11   Click **Enable**.

After the services are enabled, the button on the Nexus Dashboard Fabric Controller card shows **Open**.

Wait until all the pods and containers are up and running.

Step 12   Click on **Open** to launch Cisco Nexus Dashboard Fabric Controller Web UI.

Note   The single sign-on (SSO) feature allows you to log in to the application using the same credentials as you used for the Nexus Dashboard.

The **Nexus Dashboard Fabric Controller Web UI** opens in a new browser. The **Feature Management** window appears.

Note   If External Service Pool IP addresses are not configured, an error message appears. Go to **Nexus Dashboard Web UI > Infrastructure > Cluster Configuration**. Configure the Management Service and Data Service IP addresses in the External Service Pools section. For more information, refer to *Cluster Configuration* section in *Cisco Nexus Dashboard User Guide*.

Three cards namely **Fabric Discovery**, **Fabric Controller**, and **SAN Controller** is displayed.

Step 13   Based on the requirement, select the deployment.

From the list of Features, select features that you need to enable on the Nexus Dashboard Fabric Controller deployment.

Note   The list of features displayed is based on the Deployment selected on the card.

Step 14   Click **Apply** to deploy Nexus Dashboard Fabric Controller with the selected features.

After the installation is complete, the deployment card and all the features status show as **Started**.