C H A P T E R **4**

Installation of DCNM POAP Templates

Cisco DCNM allows you to add, edit or delete user-defined templates configured across different Cisco Nexus and Cisco MDS platforms. From Cisco DCNM Release 10.0(x), Cisco-defined DFA and VXLAN EVPN Programmable Fabric POAP templates are provided as a separate download on the official Cisco website. These templates are compatible for use with the DCNM Virtual Appliance (OVA or ISO) for use with Nexus 5000, Nexus 6000, Nexus 7000, and Nexus 9000 Series switches.

You can download the Cisco-defined templates from https://software.cisco.com/download/release.html.

This chapter contains the following:

POAP Templates for Cisco DCNM

You can download the POAP templates for the Cisco DCNM Releases mentioned in this section. The Cisco DCNM 10.2.1 templates should be used for the new provisioning mode for LAN fabrics (also known as top down).

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Note The templates in the *dcnm_deprecated_templates.10.1.1.ST.1.zip*, *dcnm_deprecated_templates.10.1.2.ST.1.zip*, and *dcnm_deprecated_templates.10.2.1.ST.1.zip*, files are being deprecated, and they will be dropped from future template zip releases.

Cisco DCNM POAP Template Package Release 10.2(1)ST(1)

The following lists the POAP templates available for download:

- *dcnm_ip_vxlan_fabric_templates.10.2.1.ST.1.zip*
- *dcnm_fabricpath_fabric_templates.10.2.1.ST.1.zip*
- *dcnm_deprecated_templates.10.2.1.ST.1.zip*

Cisco DCNM POAP Template Package Release 10.1(2)ST(1)

The following lists the POAP templates available for download:

- *dcnm_ip_vxlan_fabric_templates.10.1.2.ST.1.zip*

- *dcnm_fabricpath_fabric_templates.10.1.2.ST.1.zip*
- *dcnm_deprecated_templates.10.1.2.ST.1.zip*

Cisco DCNM POAP Template Package Release 10.1(1)ST(1)

The following lists the POAP templates available for download:

- *dcnm_ip_vxlan_fabric_templates.10.1.1.ST.1.zip*
- *dcnm_fabricpath_fabric_templates.10.1.1.ST.1.zip*
- *dcnm_deprecated_templates.10.1.1.ST.1.zip*

Installing DCNM POAP Templates

This section provides you the procedure to install the Cisco DCNM POAP templates for Release 10.2(1).

- Installing Individual POAP Template from the Cisco DCNM Web Client, page 4-2
- Installing POAP Template from the Cisco DCNM Web Client, page 4-3
- Installing Templates Using Unzip and Restart, page 4-3

Installing Individual POAP Template from the Cisco DCNM Web Client

Prerequisites

- Ensure that the Cisco DCNM is installed in the high availability mode or as Standalone DCNM ISO/OVA, Release 10.2(1)

Detailed Steps

Perform the following tasks to install an individual POAP template from the Cisco DCNM Web Client.

Step 1 Navigate to cisco.com/go/dcnm and download the required template file.

For the list of available templates, see POAP Templates for Cisco DCNM, page 4-1.

Step 2 Unzip the .zip files from your local drive.

Step 3 Launch the Cisco DCNM Web Client and navigate to **Configure > Templates > Deploy**.

Step 4 Roll over your mouse, find and click **Import Template** button (counter-clockwise arrow).

Step 5 Select one of the templates from your local drive, and then click Open.

Step 6 Repeat the above steps for additional individual template files.

Installing POAP Template from the Cisco DCNM Web Client

Prerequisites

- Ensure that the Cisco DCNM is installed in the high availability mode or as Standalone DCNM ISO/OVA, Release 10.2(1)

Detailed Steps

Perform the following tasks to install the POAP templates from the Cisco DCNM Web Client.

Step 1	Navigate to cisco.com/go/dcnm and download the required template file.
	For the list of available templates, see POAP Templates for Cisco DCNM, page 4-1.
Step 2	Launch the Cisco DCNM Web Client and navigate to **Configure > Templates > Deploy**.
Step 3	Click the **Import** button.
Step 4	Select one of the template .zip files from your local drive, and then click Open.
Step 5	Repeat the above steps for additional template zip files.

Installing Templates Using Unzip and Restart

This section contains the following:

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Installing POAP Templates on a Standalone DCNM

Prerequisites

- If it is a fresh installation of 10.2(1), ensure that the DCNM virtual appliance (ISO/OVA) is installed.
- If it is an upgraded setup (or a to be upgraded setup), ensure that the upgrade process is complete.

Detailed Steps

Perform the following tasks to install the POAP Templates for Standalone DCNM.

Step 1	Navigate to www.cisco.com/go/dcnm and download the required template file.
	For the list of available templates, see POAP Templates for Cisco DCNM, page 4-1.
Step 2	SCP the .zip file to the DCNM home directory located at /root.
Step 3	Unzip this .zip file into your templates location at */usr/local/cisco/dcm/dcnm/data/templates*.
	Example:

```
unzip -o -d /usr/local/cisco/dcm/dcnm/data/templates
dcnm_ip_vxlan_fabric_templates.10.2.1.ST.1.zip -x readme.txt
```

Step 4   Restart DCNM appliance using the **appmgr restart dcnm** command.

Installing POAP Templates in a Native HA setup

Prerequisites

- The following steps assume that the Native HA is already setup on the Cisco DCNM Release 10.2(1) and the applications are up and running.

Detailed Steps

Perform the following tasks to install the POAP Templates for Cisco DCNM in a Native HA Setup.

Step 1   Navigate to www.cisco.com/go/dcnm and download the required template file.

For the list of available templates, see POAP Templates for Cisco DCNM, page 4-1.

Step 2   SCP the .zip file to the DCNM home directory of both Active and Standby appliance, located at */root*.

Step 3   On the Active peer, unzip the file to the templates location at */usr/local/cisco/dcm/dcnm/data/templates/*

```
Example:
unzip -o -d /usr/local/cisco/dcm/dcnm/data/templates
dcnm_ip_vxlan_fabric_templates.10.2.1.ST.1.zip -x readme.txt
```

Step 4   Verify that the templates synchronize on the Standby at */usr/local/cisco/dcm/dcnm/data/templates*.

> ✎
> **Note**   It may take a minute or more for the templates to get synchronized to the Standby.

Step 5   Restart DCNM in the following sequence.

   a.   Stop the Native HA applications on the Standby peer, using the **appmgr stop ha-apps** command.

   b.   Stop the Native HA applications on the Active peer, using the **appmgr stop ha-apps** command.

   c.   Start the Native HA applications on the Active peer, using the **appmgr start ha-apps** command.

   d.   Wait until all the applications are operational.

   e.   Start the Native HA applications on the Standby peer, using the **appmgr start ha-apps** command.

Installing POAP Templates in an Oracle-based LVS High Availability Setup

Prerequisites

- Ensure that the Oracle-based LVS HA is already setup.

Detailed Steps

Perform the following tasks to install POAP templates for Cisco DCNM in an Oracle-based LVS High Availability setup.

Step 1 Navigate to www.cisco.com/go/dcnm and download the required template file.

For the list of available templates, see POAP Templates for Cisco DCNM, page 4-1.

Step 2 SCP the zip file to the DCNM home directory, located at */root*.

Step 3 On the Active peer, unzip the .zip file to the templates location at */var/lib/dcnm/data/templates*

```
Example:
unzip -o -d /var/lib/dcnm/data/templates dcnm_ip_vxlan_fabric_templates.10.2.1.ST.1.zip -x
readme.txt
```

Step 4 Restart DCNM on both the peers in the following sequence.

a. Stop DCNM on the Standby peer, using the **appmgr stop dcnm** command.

b. Stop DCNM on the Active peer, using the **appmgr stop dcnm** command.

c. Start DCNM on the Active peer, using the **appmgr start dcnm** command.

d. Wait until all the applications are operational.

e. Start DCNM on the Standby peer, using the **appmgr start DCNM** command.

Installing DCNM POAP Templates