



## Disaster Recovery (Backup and Restore)

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This chapter contains the following sections:

- [Backup and Restore Cisco DCNM and Application Data on Standalone DCNM setup, on page 1](#)
- [Backup and Restore Cisco DCNM and Application Data on Native HA setup, on page 2](#)

### Backup and Restore Cisco DCNM and Application Data on Standalone DCNM setup

You can take a backup of Cisco DCNM application data for analytics and troubleshooting.

Perform the following task to take a backup of Cisco DCNM and Application data.

#### Procedure

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- Step 1** Logon to the Cisco DCNM appliance using SSH.
- Step 2** Take a backup of the application data using the **appmgr backup** command.
- ```
dcnm# appmgr backup
```
- Copy the backup file to a safe location and shut down the DCNM Appliance.
- Step 3** Right click on the installed VM and select **Power > Power Off**.
- Step 4** Deploy the new DCNM appliance.
- Step 5** After the VM is powered on, click on **Console** tab.
- A message indicating that the DCNM appliance is configuring appears on the screen.
- Copy and paste the URL to the browser to continue with restore process.
- Step 6** On the DCNM Web Installer UI, click **Get Started**.
- Step 7** On the Cisco DCNM Installer screen, select **Fresh Installation with backup file for restore** radio button.
- Select the backup file that was generated in Step [Step 2, on page 1](#).
- Continue to deploy the DCNM.
- Step 8** On the Summary tab, review the configuration details.

Click **Previous** to go to the previous tabs and modify the configuration. Click **Start Installation** complete Cisco DCNM Virtual Appliance Installation for the chosen deployment mode.

A progress bar appears showing the completed percentage, description of the operation, and the elapsed time during the installation.

After the progress bar shows 100%, click **Continue**.

**Step 9** After the data is restored, check the status using the **appmr status all** command.

## Backup and Restore Cisco DCNM and Application Data on Native HA setup

Perform the following task to take perform backup and restore of data in a Native HA setup.

### Before you begin

Ensure that the Active node is operating and functional.

### Procedure

- Step 1** Check if the Active node is operational. Otherwise, trigger a failover.
- Step 2** Logon to the Cisco DCNM appliance using SSH.
- Step 3** Take a backup of the application data using the **appmgr backup** command on both Active and Standby appliances.
- ```
dcnm1# appmgr backup
dcnm2 appmgr backup
```
- Copy the backup file of both active and standby appliances to a safe location and shut down the DCNM Appliance.
- Step 4** Right click on the installed VM and select **Power > Power Off**.
- Step 5** Deploy the new DCNM appliance in Native HA mode.
- Step 6** For both the Active and Standby appliances, after the VM is powered on, click on **Console** tab.
- A message indicating that the DCNM appliance is configuring appears on the screen.
- Copy and paste the URL to the browser to continue with restore process.
- Step 7** On the DCNM Web Installer UI, click **Get Started**.
- Step 8** On the Cisco DCNM Installer screen, select **Fresh Installation with backup file for restore** radio button.
- Select the backup file that was generated in Step [Step 3, on page 2](#).
- The values for parameters are read from the backup file, and auto-populated. Modify the values, if required.
- Continue to deploy the DCNM.
- Step 9** On the Summary tab, review the configuration details.

Click **Previous** to go to the previous tabs and modify the configuration. Click **Start Installation** complete Cisco DCNM Virtual Appliance Installation for the chosen deployment mode.

A progress bar appears showing the completed percentage, description of the operation, and the elapsed time during the installation.

After the progress bar shows 100%, click **Continue**.

**Step 10**

After the data is restored, check the status using the **apprm status all** command.

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