Cisco DNA Center Second-Generation Appliance Data Migration Guide

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Data Migration Overview

This document describes how to migrate data to either an individual Cisco DNA Center second-generation appliance or a three-node cluster of second-generation appliances. Cisco DNA Center supports the following migration scenarios:

- Migrating data to second-generation appliances that use the same interface IP addresses that are configured on first-generation appliances.
- Migrating data to second-generation appliances that use interface IP addresses that are different from the ones that are configured on first-generation appliances.
- Forming a cluster that consists of one first-generation appliance and two second-generation appliances.

Supported Appliances

The following second-generation Cisco DNA Center appliances support data migration from a 44-core first-generation appliance (Cisco part number DN1-HW-APL):

Appliance Type	Cisco Part Number
44-core appliance	DN2-HW-APL
44-core promotional appliance	DN2-HW-APL-U
56-core appliance	DN2-HW-APL-L
56-core promotional appliance	DN2-HW-APL-L-U
112-core appliance	DN2-HW-APL-XL
112-core promotional appliance	DN2-HW-APL-XL-U

Prerequisites

Before you complete the data migration procedure described in this document, have the following information available:

- The IP addresses that are configured for the interfaces on your first-generation appliance. This is applicable only if you plan to configure the same addresses on your second-generation appliance.
- A list of the Cisco DNA Center packages that are installed on your first-generation appliance and their version number. To get this information, do one of the following:
  - Log in to the appliance and run the **maglev package status** command.
  - For Cisco DNA Center 1.3.3.0 or earlier, choose > **About** > **Show Packages**.
  - For Cisco DNA Center 2.1.2 or later, click the **Help** icon () and choose **About** > **Packages**.
- The configuration information for your backup server.

Migrate Data to Second-Generation Appliances

Complete the following procedure to migrate data to an individual Cisco DNA Center second-generation appliance or a three-node cluster of second-generation appliances.

Procedure

Step 1 On your first-generation appliance, do the following:

a) Back up the appliance's Automation and Assurance data.

In the *Cisco DNA Center Administrator Guide*, see the "Back Up Data Now" topic.

b) Disconnect the appliance from your network.

Step 2 On your second-generation appliance, do the following:

a) Configure the IP addresses that you want to use for your appliance's interfaces.

You can use the same IP addresses that are configured on your first-generation appliance or specify different IP addresses.

In the *Cisco DNA Center Second-Generation Appliance Installation Guide*, see the topic that is specific to the configuration wizard you want to use and your appliance type:

- If you are configuring a second-generation appliance using the Maglev Configuration wizard, see the "Configure the Primary Node Using the Maglev Wizard" topic.
- If you are configuring a 44- or 56-core second-generation appliance using the browser-based configuration wizard, see the "Configure the Primary Node Using the Expert Configuration Wizard" topic in the "Configure the 44/56-Core Appliance Using the Browser-Based Wizard" chapter.
- If you are configuring a 112-core second-generation appliance using the browser-based configuration wizard, see the "Configure the Primary Node Using the Expert Configuration Wizard" topic in the "Configure the 112-Core Appliance Using the Browser-Based Wizard" chapter.

Important When reconfiguring your access switches to match the high-throughput settings on your Cisco DNA Center appliances, be aware of the following differences between first-generation and second-generation appliances:

- Unlike first-generation appliances, where the configured VLAN must be set up on a switch port and match what is configured on the appliance's Cisco UCS Virtual Interface Card (VIC) 1227, second-generation appliances only support native VLANs.
- First-generation appliances only support the **trunk** switchport mode, while second-generation appliances only support the **access** switchport mode.

b) Install the same versions of the Cisco DNA Center packages that are installed on your first-generation appliance.

In the *Cisco DNA Center Administrator Guide*, see the "Download and Install Packages and Updates" topic.

c) Restore the data that you backed up in Step 1.

In the *Cisco DNA Center Administrator Guide*, see the "Restore Data from Backups" topic.

d) Integrate Cisco ISE with Cisco DNA Center.

In the *Cisco DNA Center Second-Generation Appliance Installation Guide*, see the "Integrate Cisco ISE with Cisco DNA Center" topic.

Step 3 Ensure that Cisco ISE is integrated properly with Cisco DNA Center and that your wireless LAN controller is operational.

- If you are migrating data to only one second-generation appliance, stop here.
- If you are setting up a three-node cluster, proceed to Step 4.

Step 4 Configure the second and third appliances in your Cisco DNA Center cluster.

See the following topics in the *Cisco DNA Center Second-Generation Appliance Installation Guide*:

- If you are configuring a second-generation appliance using the Maglev Configuration wizard, see the "Configure a Secondary Node Using the Maglev Wizard" topic.
- If you are configuring a 44- or 56-core second-generation appliance using the browser-based configuration wizard, see the "Configure a Secondary Node Using the Expert Configuration Wizard" topic in the "Configure the 44/56-Core Appliance Using the Browser-Based Wizard" chapter.
- If you are configuring a 112-core second-generation appliance using the browser-based configuration wizard, see the "Configure a Secondary Node Using the Expert Configuration Wizard" topic in the "Configure the 112-Core Appliance Using the Browser-Based Wizard" chapter.