Configuration Prerequisites

For the Wide Area Bonjour application to function optimally, ensure that the following requirements are met in Cisco DNA Center:

- The SDG Agent switches are added to and are being managed by the Cisco DNA Center Inventory.

- The SDG Agent switches have been provisioned according to network requirements.

- The underlay network (including the client VLANs) in an SD-Access network are in place.

Set Up Building Sites

Before you can begin configuring and using the Wide Area Bonjour application, you must first set up a network site hierarchy. For more information, see the *Cisco Digital Network Architecture Center User Guide*.

Step 1   From the Cisco DNA Center home page, choose **Design** > **Network Hierarchy**.

A world map is displayed.

Step 2   On the **Network Hierarchy** window, click **+Add Site**, or click the gear icon next to the parent site in the left pane, and then select the appropriate option. You can add an area, building, or floor.

You can also upload an existing heirarchy. For more information, see the *Cisco Digital Network Architecture Center User Guide*.

Step 3   Enter the required information.

Step 4   Click **Add**.

The site is created and listed under the parent node in the left menu.

Add Devices to the Inventory

All switches that are going to be configured as SDG Agents must be added to the Cisco DNA Center Inventory. Typically, the SDG Agent switches are already added in the Cisco DNA Center Inventory. However, if you are adding a new switch to be configured as an SDG Agent, you must add it to the Cisco DNA Center Inventory. For more detailed information about the Inventory, see the *Cisco Digital Network Architecture Center User Guide*.

Note Before adding your devices to the Inventory, ensure that the hardware and software versions are supported. See Supported Platforms.

Step 1 From the Cisco DNA Center menu, navigate to **Provision** > **Inventory**.

Step 2 In the left pane, select the site to which you want to add a device.

Step 3 Click **Add Device**.

The Add Device dialog box is displayed.

Step 4 From the **Type** drop-down list, choose **Network Device**.

Step 5 In the **Device IP / DNS Name** field, enter the IP address or name of the device.

Step 6 Expand the **SNMP** area, if it is not already visible.

Step 7 From the **Version** drop-down list, choose **V2C** (SNMP Version 2c) or **V3** (SNMP, Version 3), and configure the required fields.

Step 8 Epand the **SNMP RETRIES AND TIMEOUT** area, if it is not already expanded, and configure the **Retries** and **Timeout (in seconds)** fields.

Step 9 Expand the **CLI** area, if it is not already expanded, and configure the required fields.

Step 10 Expand the **NETCONF** area, if it is not already expanded, and configure the **Port** field.

NETCONF requires that you configure SSH as the CLI protocol and define the SSH credentials.

Note NETCONF is necessary only for the Wireless LAN Controller.

Step 11 Click **Add**.

Provision Switches Using Templates

Before configuring a switch as an SDG Agent, the switch must be provisioned per deployment network requirements, with applicable remplates, if any.

Step 1 From the Cisco DNA Center main menu, navigate to **Provision** > **Inventory**.

Step 2 Use the check box to select the device to be provisioned with the applicable templates.

Step 3   From the **Actions** drop-down list, select **Inventory** > **Resync Device**.