

Setting Up the Network

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Setting Up the Network for Cisco Business Dashboard Lite

Setting Up Device Credentials

For Cisco Business Dashboard Lite to be able to manage the network devices, you must provide suitable credentials to allow access to each device in the following steps:

Procedure

Step 1 Navigate to **Administration** > **Device Credentials**. The first table on this page lists all the devices that have been discovered that require credentials, while the second table lists all the discovered devices for which working credentials are known. The Dashboard Lite will discover the network devices and generate a topology map and inventory for the network after being provided with the working credentials.

Step 2 Enter a username and password combination in the respective fields at the top of the page. If more sets of credentials are required, then click the +(plus) icon. This allows up to three sets of each type of credential to be entered. The default credentials with the username: cisco, password: cisco is already listed here, however, if the device is not using default credentials, then correct credentials must be supplied.

Step 3 Click **Apply**. The Dashboard Lite will test each credential against each device for which a credential is required. Working credentials are saved for each device.

Discover the Network by Scanning the IP Addresses (Optional)

The Cisco Business Dashboard Lite builds an initial list of devices in the network from listening to mDNS (aka Bonjour, please check your device setting to make sure Bonjour is enabled on the Management VLAN) advertisements. The Cisco Business Dashboard Lite then connects to each device using a supported protocol and gathers additional information such as CDP & LLDP adjacency tables. This information is used to identify additional devices in the network, and the process repeats until all devices have been discovered.

Cisco Business Dashboard Lite may not always be able to discover network devices in other VLANs or subnets using only the automated discovery processes. When this occurs, it can be beneficial to have the dashboard explicitly search the IP address ranges associated with those VLANs or subnets. To search an IP address range, do the following:

1. Navigate to **Administration** > **Discovery**.
2. Specify the IP address ranges to search.
3. Click **Save**.

Based on the input, the Dashboard Lite will search the specified address ranges for devices with an active web server and attempt to connect to the device HTTPS port (443) using the credentials provided. If the dashboard is successful in accessing the device, it will be added to the inventory and will be managed in the same way as any other device in the network.

Learn About Your Network

You may use the **Inventory** to see detailed information about all the devices in your network. The **Inventory** page provides a list of all discovered devices in a tabular view. You can filter the list to restrict the devices displayed and click on individual devices to see more information about that device.

Customizing the Monitoring Dashboard

You may customize the monitoring dashboard to suit your requirements using the following steps:

Procedure

Step 1 Select **Dashboard** from the navigation at the left of the screen. The default dashboard will be displayed.

Step 2 To relocate individual widgets within the dashboard, click on the gear icon at the top right of the dashboard and select the **Edit Mode** option. Click and hold to drag each widget to the desired location. To resize a widget, click and hold on the edge or corner of the widget to resize.

Step 3 To add a new widget to the dashboard, click the gear icon at the top right of the dashboard and select to add a widget. Select the desired widget from the list. To remove a widget from the dashboard, click **remove widget ✖** icon in the top right corner of the widget when in edit mode.

Step 4 Once the dashboard is laid out correctly, click the gear icon at the top right of the dashboard and select **View Mode** to lock the changes in place.

Step 5 To change the behavior of a widget, click **edit widget configuration** icon in the top right of the widget. Use the drop-down lists to select the specific device or interface the widget should monitor.

Customizing Notification Generation

Monitoring Profiles control the data that is collected from devices and the notifications that are generated. You may customize the behavior of notifications using the following steps:

Procedure

Step 1 Navigate to **Assurance** > **Monitoring > Monitoring Profile**.

Step 2 The screen displays the different notification and reporting monitors. You can enable and disable individual monitors using the controls provided.

Step 3 The notification monitors have additional settings that can be modified by clicking the Edit icon for the monitor. The settings will vary between monitors, but include the notification types that should be generated, the severity of the notification, and the thresholds that should trigger the notification.

Configuring the Network

Updating Firmware for Devices (Optional)

The Dashboard Lite will notify you if there are firmware updates available for the devices in your network, and an **Update Firmware** icon will be displayed against the device in several areas of the user interface.

To update firmware for a single device or multiple devices, follow the steps below:

Procedure

Step 1 Click on the device in the **Inventory** to display the **Basic Info** panel.

Step 2 Open the **Action** panel and click on the **Upgrade firmware to latest** button. The Dashboard will download the necessary firmware from Cisco and apply the update to the device. The device will reboot as part of this process.

Step 3 You can view the progress of the upgrade by clicking on the **Job Center** icon in the top right of the user interface.

Creating Configuration Profiles

The Dashboard allows you to easily apply common configuration to all your network devices. You can create network configuration profiles following the steps below:

Procedure

Step 1 Navigate to any profile menu under **Provision > Network Configuration**.

Step 2 A **Time Management** profile contains settings for the time zone, daylight savings, and NTP.

Step 3 A **DNS Resolvers** profile contains settings for the domain name, and the DNS servers to use.

Step 4 A **VLAN** profile contains the details for one or more VLANs.

Step 5 An **Authentication** profile contains settings for the local user database for the devices and set authentication servers (RADIUS servers) to use when authenticating network access.

Step 6 You can enable, disable and update a profile using the controls provided. You can view the progress of the configuration by clicking on the **Job Center** icon in the top right of the user interface.

Backing Up Device Configurations

The Dashboard Lite allows you to back up the configurations of your network devices. To back up the configuration for a single device or multiple devices, follow the steps below:

Procedure

Step 1 Click on the device in the **Inventory** to display the **Basic Info** panel.

Step 2 Open the **Action** panel and click **Backup Configuration** button. Optionally, you can add a note describing this backup in the window that appears. The Dashboard Lite will copy the running configuration of the device.

Step 3 You can view the progress of the backup by clicking on the **Job Center** icon in the top right of the user interface.