Provision a Routing Profile

Provision a router

Before you begin

Make sure that you have defined the global network settings before provisioning a routing profile, including:

- Network servers, such as AAA, DHCP, and DNS. For more information, see Configure global network servers.
- Device credentials, such as CLI, SNMP, HTTP, and HTTPS. For more information, see Add global CLI credentials, Add global SNMPv2c credentials, Add global SNMPv3 credentials, and Add global HTTPS credentials.
- IP address pools. For more information, see Configure IP address pools.
- Service provider profiles. For more information, see Configure service provider profiles.

Procedure

Step 1 From the main menu, choose **Provision** > **Network Devices** > **Inventory**.

The **Inventory** window displays with the discovered devices listed.

Step 2 To view devices available in a particular site, click **Global** and choose the desired site, building, or floor.

All the devices available in the selected site display in the **Inventory** window.

Step 3 At the top of the **Inventory** window, click **Routers**.

Step 4 Check the check box next to the device that you want to provision.

Step 5 Click **Assign** under the site and then, in the **Assign Device to Site** window, click **Choose a site**.

Step 6 From the **Actions** drop-down list, choose **Provision** > **Provision Device**.

Step 7 To provision a router:

a. Review the details in the **Confirm Profile** page and click **Next**.

b. Review the details in the **Router WAN Configuration** page.

   If you are provisioning a virtual router, this page is not displayed.

   1. If you chose gigabit Ethernet as the line interface, click **O**. If you choose a static IP address, enter the WAN IP address. If you choose DHCP, enter the IP address from the DHCP server. If the primary WAN is already configured using PnP, you can choose **Do not Change**. From the **Interface Name** drop-down list, choose the interface that is configured as the primary WAN.
   2. If you chose cellular as the line interface, click **O**, choose **IP Negotiated**, choose the **Interface Name** from the drop-down list, and enter the **Access Point Name (APN)**. Depending on your service provider, check the **PAP** or **CHAP** check box.
   3. Enter the **IP SLA Address** for the backup WAN interface if you have multiple service providers.
   4. Click **Next**.

c. Review the details in the **Router LAN Configuration** page.

   1. Choose the **Interface** from the drop-down list.
   2. Choose the **IP-Pool/IP** from the drop-down list.
   3. Choose the **IP Address Pool** from the drop-down list.
   4. Click **Next**.

d. Review the details in the **Integrated Switch Configuration** page.

   Depending on your configuration, this page may not be displayed.

e. Review the details in the **Summary** page by expanding the drop-down menus for the various specifications, settings, and configurations.

Step 8 Click **Deploy**.

Step 9 Schedule the task for deployment.

Depending on Visibility and Control of Configurations settings, you can either:

- Deploy the device configurations immediately or schedule the deployment for later. For details, see Deploy your device configurations now or later.
- Preview and deploy the device configurations. For details, see Preview and deploy your device configurations.

Step 10 On the **Tasks** window, monitor the task deployment.

Alternatively, you can monitor the task deployment from the **Device Inventory** window. The **Provision Status** column shows **SUCCESS** after a successful deployment. Click **SUCCESS** to see a detailed provisional log status.

VPC Inventory collection

After successful cloud inventory collection, the **Cloud** tab in the **Provision** section provides a view of the collected AWS VPC Inventory. The navigation on the left can be expanded to show the cloud regions for a cloud profile or access key. You can filter the left navigation items by keyword and click to see the VPCs just for the selected region or access key.

In the VPC Inventory view you can also click on a VPC to see more details about it, like the subnets and virtual instances in that VPC and some more details about them. AWS VPC inventory collection is scheduled to occur at the default interval for all inventory collection and can also be triggered on demand by using the **Sync** action from the gear menu for a cloud access key. The status of the inventory collection can be viewed by clicking on **Show Sync Status** in the **VPC Inventory** view.