Operations

The **Operations** menu is used by administrators to perform operational tasks on the Secure Malware Analytics Appliance. This chapter describes these tasks, including activating configuration changes, reloading the OpAdmin, managing jobs and power settings, and updating the appliance.

Activate

Changes to the OpAdmin configuration settings must be saved, and several changes also require that you finalize the changes with a reconfiguration. Configuration changes do not take effect until reconfiguration is completed.

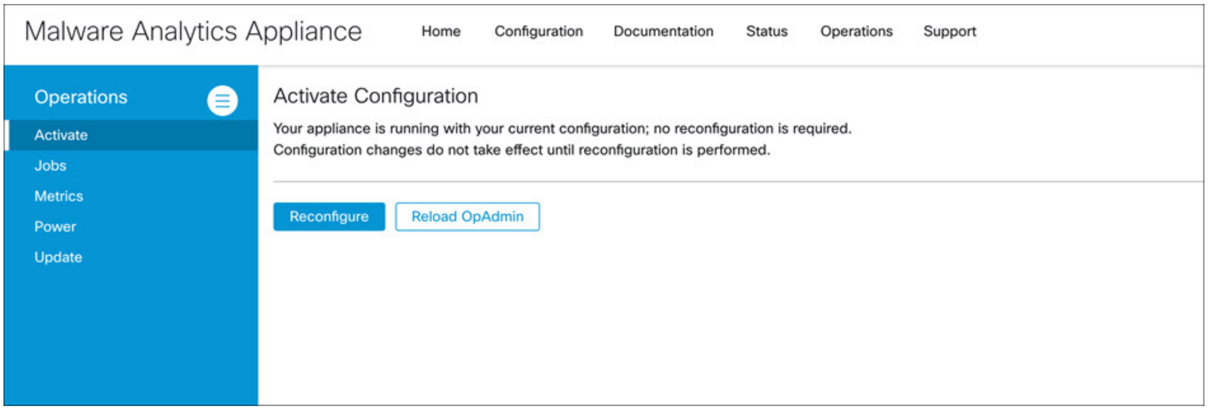
If a reconfiguration is required, a light orange alert message appears in a banner in the upper portion of the page. When you click the **Reconfigure** button on this banner, it takes you to **Activate Configuration** page in the **Operations** menu. From this page, you can apply the configuration changes and also reload the OpAdmin.

Procedure

Step 1 Click **Reconfigure** on the alert message to launch the reconfiguration process.

Step 2 On the **Activate Configuration** page, click **Reconfigure** to run the reconfiguration job.

Figure 1: Activate Configuration



Step 3 On the confirmation dialog, click **Reconfigure** to start the reconfiguration job.

Configuration is activated, and messages on its progress are displayed in the jobs window. Details are kept in the Jobs page if you need to review error messages or other information.

When completed, a confirmation message is displayed indicating the reconfiguration was successful.

Step 4 Click **Continue**.

Step 5 If you want to refresh the OpAdmin, click **Reload OpAdmin**.

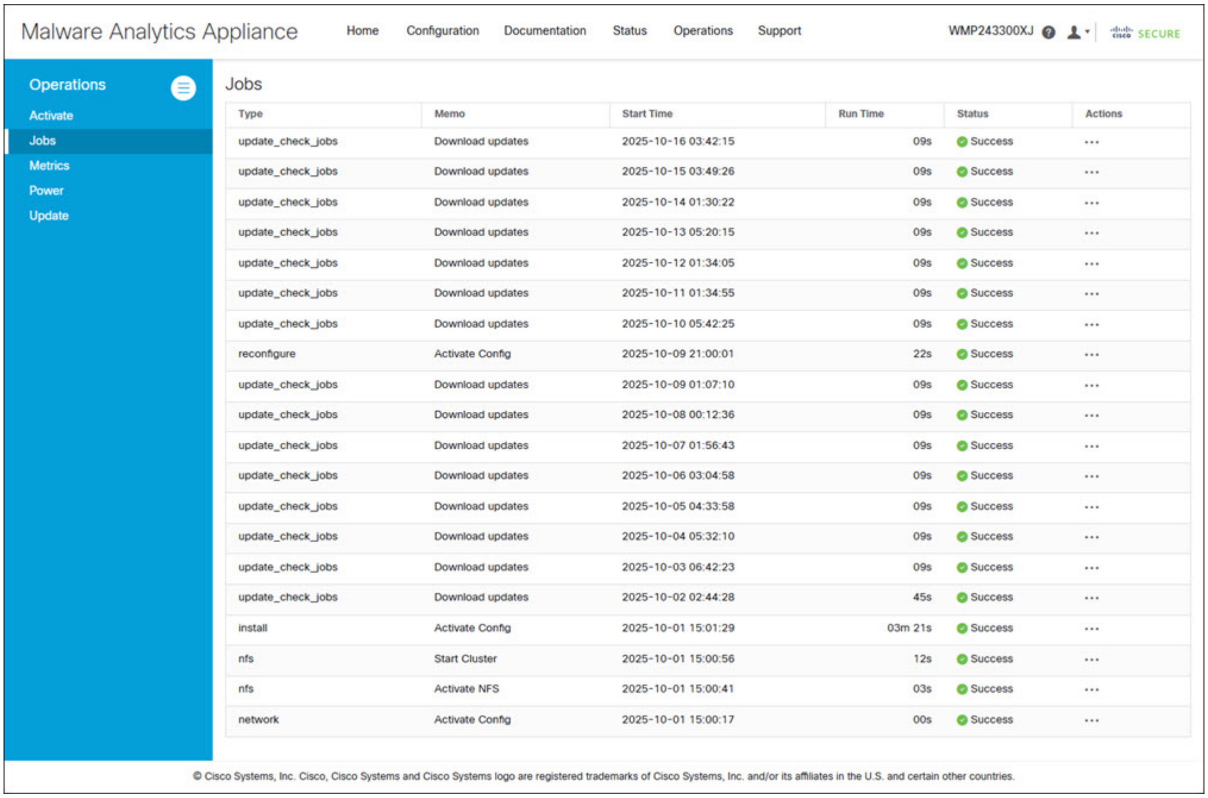
Jobs

You can view the jobs that have been run on the Secure Malware Analytics Appliance using the **Jobs** page in the OpAdmin. You can use this page to view error messages or other information about a specific job.

Procedure

Step 1 Navigate to **Operations** > **Jobs**

Figure 2: Jobs



Type	Memo	Start Time	Run Time	Status	Actions
update_check_jobs	Download updates	2025-10-16 03:42:15	09s	Success	···
update_check_jobs	Download updates	2025-10-15 03:49:26	09s	Success	···
update_check_jobs	Download updates	2025-10-14 01:30:22	09s	Success	···
update_check_jobs	Download updates	2025-10-13 05:20:15	09s	Success	···
update_check_jobs	Download updates	2025-10-12 01:34:05	09s	Success	···
update_check_jobs	Download updates	2025-10-11 01:34:55	09s	Success	···
update_check_jobs	Download updates	2025-10-10 05:42:25	09s	Success	···
reconfigure	Activate Config	2025-10-09 21:00:01	22s	Success	···
update_check_jobs	Download updates	2025-10-09 01:07:10	09s	Success	···
update_check_jobs	Download updates	2025-10-08 00:12:36	09s	Success	···
update_check_jobs	Download updates	2025-10-07 01:56:43	09s	Success	···
update_check_jobs	Download updates	2025-10-06 03:04:58	09s	Success	···
update_check_jobs	Download updates	2025-10-05 04:33:58	09s	Success	···
update_check_jobs	Download updates	2025-10-04 05:32:10	09s	Success	···
update_check_jobs	Download updates	2025-10-03 06:42:23	09s	Success	···
update_check_jobs	Download updates	2025-10-02 02:44:28	45s	Success	···
install	Activate Config	2025-10-01 15:01:29	03m 21s	Success	···
nfs	Start Cluster	2025-10-01 15:00:56	12s	Success	···
nfs	Activate NFS	2025-10-01 15:00:41	03s	Success	···
network	Activate Config	2025-10-01 15:00:17	00s	Success	···

The job type, start time, run time, and status is displayed for each job.

Step 2 Click the **Details** button in the **Actions** column to view information about the job.

Power

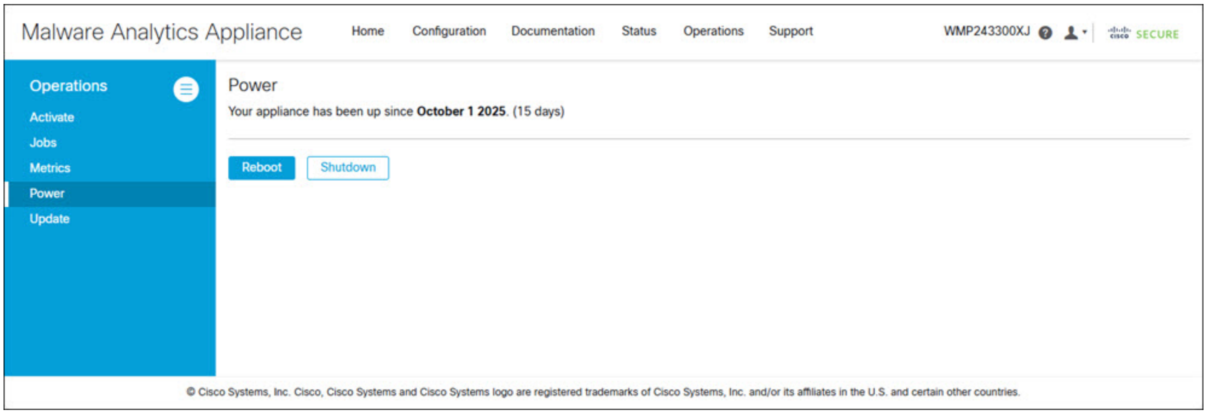
You can reboot or shut down the Secure Malware Analytics Appliance from the **Power** page in the OpAdmin.

Note The GNU GRUB bootloader is completely removed from the Secure Malware Analytics Appliance software stack. Whereas our prior configuration did not allow unsigned configuration files to be loaded (and thus was not vulnerable to CVE-2020-10713), the new boot mechanism removes GRUB entirely.

Procedure

Step 1 Navigate to **Operations** > **Power**

Figure 3: Power



The date from which your appliance has been powered up is displayed.

Step 2 Click **Reboot** to restart the appliance, or **Shutdown** to completely shut the appliance off.

Update

Before you can update the Secure Malware Analytics Appliance with newer versions, you must have completed the initial setup and configuration steps as described in the *Cisco Secure Malware Analytics Appliance Getting Started Guide*.

Note If you have a new Secure Malware Analytics Appliance that shipped with an older version of software and want to install updates, you must first complete the initial configuration. Updates will not download unless the license is installed, and may not apply correctly if the Secure Malware Analytics Appliance has not been fully configured, including the database.

You can check for new updates (**Operations** > **Update**) and apply them.

Configuration now happens as part of the regular boot process. With each reboot, the appliance is reset to a completely pristine software loadout (with code signatures checked at runtime). Configuration operations that previously happened only during a reconfiguration cycle with multiple reboots now occur as part of every boot cycle. This means that:

- The reconfigure with reinstall operation is made redundant.
- Installing upgrades is now faster, and only requires one reboot.

The following considerations should be observed when installing updates:

- Secure Malware Analytics Appliance updates are applied through the OpAdmin.
- If the update server sends an update, the client moves all the way forward to that version. It's not always possible to skip interim releases; when not possible, the update server will require the appliance to install the release before it can download the next update.

- If the server allows you to download a version, you are eligible to move to that version directly; that is, with no intervening reboots beyond those needed for a single upgrade.
- Updates are one-directional: you cannot revert to a previous version after you upgrade to a more recent version.
- For offline (airgapped) update process, see Update Secure Malware Analytics Appliance.

Version Lookup Table

To identify the correct build number and corresponding release version, see the *Cisco Secure Malware Analytics Appliance Version Lookup Table*.

Updates Port

The Secure Malware Analytics Appliance downloads release updates over SSH, port 22.

- Release updates can also be applied from the textual (curses) interface, not just from the web-based administrative interface (OpAdmin).
- Systems using DHCP need to explicitly specify DNS. An upgrade of a system without a DNS server explicitly specified will fail.

Installing Updates

Perform the following steps to check for updates and to update the Secure Malware Analytics Appliance.

Procedure

Step 1 Click the **Operations** tab and choose **Update** to open the**Appliance Updates** page.

Figure 4: Appliance Updates Page

The current release version is displayed in the upper portion of the page. It also informs you if there is an update available to install. For information about the release versions, see the *Cisco Secure Malware Analytics Appliance Version Lookup Table*.

Step 2 Click **Check for Updates**.

A check is run to see if there is a more recent update/version of the Secure Malware Analytics Appliance software, and if so, downloads it. This may take some time.

Step 3 Once the update has been downloaded, click **Apply Update** to install it.

Troubleshooting Updates

This section includes issues that may occur while updating the appliance and how to resolve them.

Database Upgrade Not Successful Message

A *database upgrade not successful* message may be displayed if a new Secure Malware Analytics Appliance is running an older version of PostgreSQL and the automated database migration process failed. It is critical that this be fixed prior to any upgrade to v2.0. See *Cisco Threat Grid Appliance Release Notes v2.0.1* for more information.