

## UPDATE SECURITY VALIDATION COMPONENTS

Security Validation releases software patches, upgrades for Validation Platform system components, and hotfixes. Updates to the Director and Actors are installed by using the **System Settings** page on the Director.



Avoid upgrading a Director or Actor when there is any running Action or scheduled Action activity. Otherwise, services will be restarted when applying the update, which might impact the results or lead to a timeout.

### Storage requirements

The Director and Actor both must have free storage space before you can apply an update:

- Director: 10 GB free
- Actor: 500 MB free

### Director

You can use one of the following methods to upgrade your Director:

- **Automatic download of an update on the Director**
- **Manual upload of an update to the Director**

Before you perform an upgrade to your Director, we strongly recommend that you create a backup of your existing Director and download it. See **Backup and Restore Security Validation** (<https://docs.mandiant.com/home/msv-backing-up-and-restoring-the-platform>) for more information.

As you prepare to upgrade your Director, also note the following points:



- You must ensure that your Director's operating system is up-to-date before installing Validation Platform updates.
- For appliance-based Directors, you should apply the **latest security update** (<https://docs.mandiant.com/home/msv-security-update-downloads>) before upgrading the Director. For software-based Directors, use your standard methods for updating the OS (running yum update being the most common method).
- If an update includes a long-running process, you can view the status of that process in the **Long-running Migration Status** (<https://docs.mandiant.com/home/msv-support-settings#Long-running>) section of the Support Settings page.


### Enable automatic download of updates

1. Go to **Settings > Director Settings**. The Systems Settings page opens.
2. Expand **Update Settings**.
3. Select **Enable Check for Updates** and then populate the additional fields:
  - **Notification Email Address**: Specifies the email address at which you want to receive emails from the Director when updates are available.
  - **Interval for Update Checks**: Specifies how often, in seconds, the Director should check for updates. This defaults to 3600.

4. Click **Update**. The system automatically checks for updates, and download them when they are available. These updates are displayed in the System updates table.



You can also **manually check to see if an update is available**. Both manual and automatic checks reach out to <https://update.verodinservices.com>. If there is an update available, the system downloads the most current compatible version available to the Director.

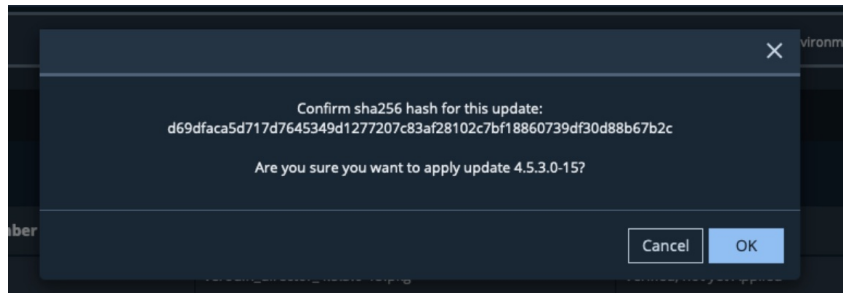
5. Click  **Apply Update** to update your system. A message displays asking you to confirm that the hash values match the update that you want to apply. If the hash value is correct, click **OK**.



- If the license does not include the update service, your view might be different. You can still manually upload system updates, but you do not see any of the update buttons or options.
- If you cannot use the update service, you can download the updates from the documentation portal.


#### Manually check and apply an update in the Director

1. Go to **Settings > Director Settings**. The Systems Settings page opens.  
If you are not certain that an update is available, click **Check for Update**. Otherwise, click **Download Update**.  
When the update has downloaded, it displays in the System Updates table.
2. Click **Apply Update**. A message displays asking you to confirm that the hash values match the update that you want to apply. If the hash value is correct, click **OK**.



Confirm hash values

#### Update the Director by uploading the package

1. Download the patch file, `verodin_DIRECTOR_VERSION.pkg`, from **Director Downloads** (<https://docs.mandiant.com/home/msv-director-installers>).
2. Go to **Settings > Director Settings**. The Systems Settings page opens.
3. Click **Browse** next to Upload New System Update, and select the package.
4. Click **Upload**.  
This step uploads the package and add it to the system update table. To see the progress of the upload, hover over the Upload button. The Apply Update and Release Notes buttons appear when the upload is complete.
5. Click  **Apply Update**. A message displays asking you to confirm that the hash values match the update that you want to apply. If the hash value is correct, click **OK**.  
Once the Director is updated, verify the time service is running and then Update the Actors.

#### Actors, Protected Theaters, and Protected Actors

The Actors section of the System Settings page is where you update Actors, Protected Theaters, and Protected Actors. You can also check the Time Sync, Force Time Sync, and apply security patches. This can be done to an individual component

or to all components that are listed in the section.

### Update Actors

1. Go to **Settings > Director Settings**. The Systems Settings page opens.
2. Scroll to the Actors section and update the Actors by clicking **Update Actor** for each applicable Actor.



- Actors are capable of having security updates applied through the Director web interface, but only updates that contain a new kernel release. All other security updates need to be applied manually to the Actors.
- You can also check the Actors' versions and check or force Time sync.



After an MA-SV update, Mandiant recommends that you run these steps to update the Actor. That way, you are kept up to date even if there is a mismatch between the SaaS Director and Actor version.

### Update Protected Theater and Protected Actors

1. Go to **Settings > Director Settings**. The Systems Settings page opens.
2. Scroll to the Actors section and update the Protected Theater by clicking **Update Actor**.
3. After the Protected Theater update completes, locate the Protected Actor and then click **Update Actor**.



You can also do the following on this page:

- Apply security patches to Protected Theaters
- Check the version and check or force Time syncs for the Protected Theater and Protected Actor



If the Service Startup Timeout field is less than 600 seconds, the Protected Actor automatically reboots and creates a snapshot. Otherwise, you must reboot and create the snapshot manually after updating. We strongly recommend that you **create a snapshot** (<https://docs.mandiant.com/home/msv-pt-snapshots>) after updating your Actor.

- For information about applying security patches, see **Applying security updates to appliances** (<https://docs.mandiant.com/home/msv-security-updates>).
- Click **Check Version** for a component to query the Director and confirm if the version that is being displayed for the component is the actual version of the component. Click **Check Versions** in the section header to check the version of all components in the table.
- All components also have **Check Time Sync**, which when clicked shows any difference between the time of the component and the time of the Director. Clicking **Check Time Syncs** in the section header checks the time information of all components in the table.



The components having the same time as the Director, is necessary for a number of reasons, including being able to associate Events to their Job Actions.

- Appliance components also have **Force Time Sync**. Using this option updates the time on the component. If you are using an NTP server, it checks and sync to that. Otherwise, it syncs directly to the Director. Using the **Force Time Syncs** button in the section header updates the time for all appliance components in the table.



Since installable software Actors must use System time, they are not included when you use **Force Time Syncs**. They also do not have **Force Time Sync** buttons associated with them.