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Cisco Cyber Vision Upgrade Guide

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Prepare for Upgrade

Health Check

Perform a health check of the global center, and of all the centers connected to the global center. For each center, open an SSH connection to the center and use the command:

```
systemctl --failed
```

If any failures are listed, fix the failures before you initiate the upgrade processes. The list of failures must be 0 at this step for a successful upgrade.

Upgrade path

The upgrade path from an earlier release of Cisco Cyber Vision Center to a later release varies for each target release.

For the upgrade path to follow, see the Upgrade compatibility topic in the release notes for the target Cyber Vision Center version.

In case of multi-step upgrades, follow the recommended path for successful completion of the process. Failure to adhere to the recommended path could result in application failure.

Cisco Cyber Vision partition size

Cisco Cyber Vision Center system has two partitions, one for the system and one for data. The system partition size must be at least 1 GB for the upgrade process to complete successfully—a lower partition size results in upgrade failure.

If your Cisco Cyber Vision center runs 3.1.0 or earlier versions, the system partition may be 512MB which is insufficient to upgrade to Cisco Cyber Vision center release 4.4.0 and later. Contact the Cisco TAC team to get support with updating the system partition to 1 GB.

To check the system partition size of your Cisco Cyber Vision center, access the center CLI and use the command:

```
lsblk
```

Sentryo hardware and Cisco IC3000 sensors

If you are upgrading to Cisco Cyber Vision release 4.4.0 or later releases:

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1. Sentryo hardware are not supported. Remove any connected Sentryo hardware before you start the upgrade process.
2. Cisco IC3000 sensors must run Cyber Vision center release 4.3.0 or later releases. If the Cisco IC3000 sensors connected to your Cisco Cyber Vision center run an earlier Cyber Vision release, upgrade them to 4.3.0 or later releases before you initiate the upgrade process.

Upgrade process time

The upgrade process includes database updates, and the overall update time depends on the system performance and the quantity of the data stored.

The upgrade can take a few hours to complete. Do not restart or shut down the system while an upgrade is in progress. Reboot the Cyber Vision Center only after the upgrade process is complete.

During an upgrade, the Center user interface is unavailable. An alternative user interface displays limited information and a clear message indicates that the update is in progress.

Update software

Feature	Release Information	Feature Description
Sensor Management extension removal	**Release 5.6.0**	**When the Cisco Cyber Vision system is updated to version 5.6.0 and rebooted, the system detects the legacy sensor-management extension data and initiates migration to the sensor-host model in the new UI Sensor Management page. The sensor management extension is removed, and the sensor identity and configuration are preserved as they transition to the sensor-host model in the new UI.**

Go to Cisco Software Central, and in the **Download and Upgrade** section, click **Access Downloads**. Use the search button to find Cyber Vision, choose **Cyber Vision Updates**, and select the desired release.

From the list of software displayed, download the following:

1. Cisco Cyber Vision Center DAT file

Go to Cisco Software Central, and in the **Download and Upgrade** section, click **Access Downloads**. Use the search button to find Cyber Vision, choose **Cyber Vision Center**, and select the desired release.

From the list of software displayed, download the following:

1. Cisco Cyber Vision Sensor Management Extension
2. Cisco Cyber Vision Reports Management Extension

Note: The Cisco Cyber Vision Sensor Management Extension is required only for releases earlier than Cisco Cyber Vision 5.6.0. It is not required for Cisco Cyber Vision 5.6.0 and later releases.

Install the downloaded software on your global center, connected centers, or the single center in your deployment.

If you have a global center and connected centers, begin with updating your global center. Then, update the connected centers.

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Software type	GUI process	CLI process
Center	1. In your Cisco Cyber Center, go to **Admin** > **System**. 2. Click **System Update.** 3. Upload the center software file that you downloaded from Cisco Software Central.	In the Cisco Cyber Vision center CLI, use the command: `sbs-update install /data/tmp/CiscoCyberVision-update-center-<LAST-VERSION>.dat`
Sensor Management Extension (only for releases earlier than 5.6.0) **Install this extension in connected centers, or in the single center in your network.**	1. In your Cisco Cyber Center, go to **Admin** > **Extensions**. 2. For the sensor management extension list item, click **Update.** 3. Upload the extension file that you downloaded from Cisco Software Central.	In the Cisco Cyber Vision center CLI, use the command: `sbs-extension upgrade --run /data/tmp/CiscoCyberVision-sensor-management-<LATEST-VERSION>.ext`
Reports Management Extension	1. In your Cisco Cyber Center, go to **Admin** > **Extensions**. 2. For the reports management extension list item, click **Update.** 3. Upload the extension file that you downloaded from Cisco Software Central.	In the Cisco Cyber Vision center CLI, use the command: `sbs-extension upgrade --run /data/tmp/CiscoCyberVision-report-management-<LATEST-VERSION>.ext`

Update sensors from their connected centers

Sensor updates are carried out from the centers to which a sensor is connected, not the global center. From Cisco Cyber Vision Release 4.4.1, all sensors can be updated using the self-update method. You don't need an extension to update sensors.

Cisco Cyber Vision Classic UI Procedure:

1. From the classic UI main menu, choose **Admin > Sensors > Sensor Explorer.**
2. Choose the sensors you want to update by clicking the check boxes next to them. To select all the sensors, click the check box at the top of the list of sensors.
3. From the **More Actions** drop-down list, choose **Update Sensors**.
4. The center adds a new job to the sensor queue, which the sensor automatically collects.
5. The sensor automatically restarts with the new version, and the update status on the Sensor Explorer page is updated to Complete.

Cisco Cyber Vision New UI Procedure for version 5.6.0 and later:

1. From the new UI main menu, choose **Configuration > Sensors Management.**
2. Select the Sensors tab.
3. Choose the sensors you want to update by clicking the check boxes next to them. To select all the sensors, click the check box at the top of the list of sensors. From the **More Actions** drop-down list, choose **Update**.
4. The center adds a new job to the sensor queue, which the sensor automatically collects.

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5. The sensor automatically restarts with the new version, and the update status on the Sensor Explorer page is updated to Complete.

For the complete sensor installation procedures, see the relevant installation guide in the Get Started section of the Cisco Cyber Vision User Content collection page.

Update the Cyber Vision knowledge database

The database is updated every week.

Once the center is deployed, update the Cyber Vision knowledge database. The centers use the database content to calculate vulnerabilities, communicate SNORT rules to IDS sensors, and display tags in the user interface. Keeping the database up to date helps fix some defects, and add update rules and properties to enrich the presented data.

Global center automatically sends the updated database to connected sensors. If you have a single center, you must update the database on it.

Go to Cisco Software Central, and in the **Download and Upgrade** section, click **Access Downloads**. Use the search button to find Cyber Vision, choose **Cyber Vision Updates**, and choose the latest knowledge database.

To update the knowledge database for a center, log in to the center and carry out the following steps:

1. From the classic UI main menu, go to **Admin** > **System**.
2. In the **Knowledge DB** area, click **Import a Knowledge DB.**
3. Upload the center software file that you downloaded from Cisco Software Central.

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