# Upgrading Metron

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# Contents

# Upgrade Metron

After you shut down Metron and all of its services, you must uninstall Metron and then reinstall the newest version of Metron.

### Before you begin

- Back up your Metron configuration.
- Stop all Metron services

### Procedure

1. Uninstall Metron.

   In Ambari, select **Metron**, then under the **Service Actions** menu, click **Delete Service**.

   When prompted, enter "delete" to confirm deleting the service.

2. Remove all of the rpms from the old Metron version.

   CentOS

   a) From the Ambari node, enter the following to list all of the Metron packages:

   ```
   rpm -qa | grep metron
   ```

   You should see input similar to the following:

   ```
   metron_1_4_2_0_23-config-0.4.1.1.4.2.0-23.noarch
   ```

   b) Enter the following to list all of the Metron packages:

   ```
   sudo rpm -q --scripts  metron_1_4_2_0_23-config-0.4.1.1.4.2.0-23.noarch
   ```

   You should see output similar to the following:

   ```
   chkconfig --add metron-management-ui
   chkconfig --add metron-alerts-ui
   preuninstall scriptlet (using /bin/sh):
   chkconfig --del metron-management-ui
   chkconfig --del metron-alerts-ui
   ```

   c) Remove each of the packages:

   ```
   rmp remove $PACKAGE_NAME
   ```

   For example:

   ```
   sudo chkconfig --del metron-management-ui
   ```

   Ubuntu

   From the Ambari node, enter the following to delete all of the Metron packages:

   ```
   sudo aptitude purge $PACKAGE_NAME
   ```

3. Modify the /etc/yum.repos.d/HCP.repo file with the updated repo version:

   ```
   vi /etc/yum.repos.d/HCP.repo
   ```

4. Update the HCP.repo file.

CentOS

```
yum update
```

Ubuntu

```
apt-get update
```

5. Install the current HCP mpack repo from Release Notes.

```
wget http://public-repo-1.hortonworks.com/HCP/centos7/1.x/updates/1.4.1.0/
tars/metron/hcp-ambari-mpack-1.4.1.0-18.tar.gz ambari-server install-
mpack --force --mpack=/${MPACK_DOWNLOAD_DIRECTORY}/hcp-ambari-
mpack-1.4.1.0-18.tar.gz --verbose
```

6. Restart the Ambari server.

```
ambari-server restart
```

7. Re-open Ambari and add back the updated Metron version.

From the **Actions** menu, click **Add Service**, then click Metron from the **Choose Services** page. Ensure Metron is the updated version.

Ambari lists each service on which Metron is dependent.

8. Click yes to add each dependency.

9. In Ambari, add back your Metron configuration information in the **Property** fields.

Do not copy and paste into the Metron property fields. You can inadvertently add a special character.
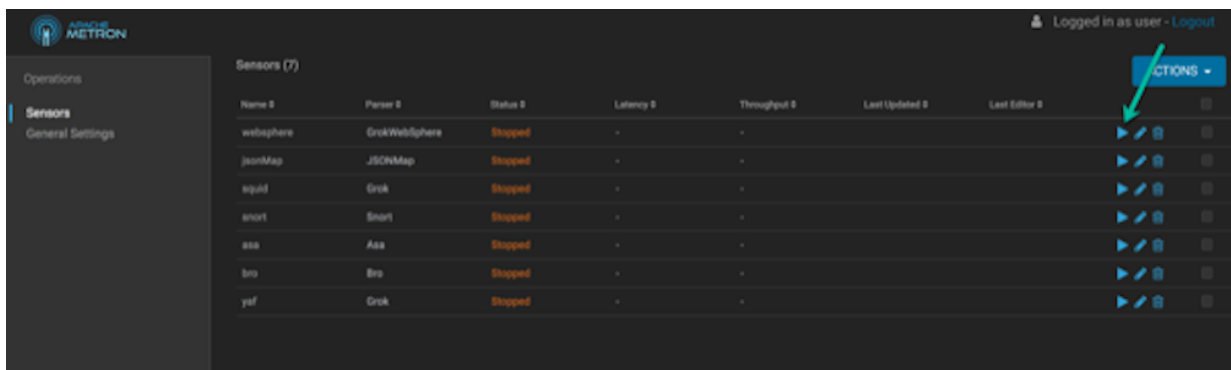
10. Click **Deploy** to start the Metron set up.

The process to install, start, and test Metron will take a while.

11. Restart the Metron services:

- Metron REST
- Metron Management UI
- Metron Alerts UI
- Indexing

12. In the Management UI, restart the Metron Parsers including Enrichment, Bro, Snort, Yaf, and any other parsers you added previously.

Management UI



**Note:** Starting the Metron parsers might take a while.

13. Check the status of the parsers in the Storm UI.

Storm UI

## Storm UI

### Cluster Summary

| Version | Supervisors | Used slots | Free slots | Total slots | Executors | Tasks |
|---|---|---|---|---|---|---|
| 1.0.1.2.5.3.0-37 | 1 | 5 | 0 | 5 | 33 | 33 |

### Nimbus Summary

Search:

| Host | Port | Status | Version | UpTime |
|---|---|---|---|---|
| node1 | 6627 | Leader | 1.0.1.2.5.3.0-37 | 1h 19m 7s |

Showing 1 to 1 of 1 entries

### Topology Summary

Search:

| Name | Owner | Status | Uptime | Num workers | Num executors | Num tasks | Replication count | Assigned Mem (MB) | Scheduler Info |
|---|---|---|---|---|---|---|---|---|---|
| batch_indexing | storm | ACTIVE | 1m 3s | 0 | 0 | 0 | 1 | 0 | |
| bro | storm | ACTIVE | 12m 27s | 1 | 4 | 4 | 1 | 832 | |
| enrichment | storm | ACTIVE | 52m 52s | 1 | 15 | 15 | 1 | 832 | |
| profiler | storm | ACTIVE | 50m 50s | 1 | 6 | 6 | 1 | 832 | |
| snort | storm | ACTIVE | 4m 35s | 1 | 4 | 4 | 1 | 832 | |
| yaf | storm | ACTIVE | 8m 41s | 1 | 4 | 4 | 1 | 832 | |

Showing 1 to 6 of 6 entries