HCP Upgrading 1

Upgrading Metron

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Contents

Upgrade Metron	3

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-metron-management-0.7.1-201904012257.noarch
metron-enrichment-0.7.1-201904012257.noarch
metron-indexing-0.7.1-201904012257.noarch
metron-rest-0.7.1-201904012257.noarch
metron-alerts-0.7.1-201904012257.noarch
metron-data-management-0.7.1-201904012257.noarch
metron-parsers-common-0.7.1-201904012257.noarch
metron-parsing-storm-0.7.1-201904012257.noarch
metron-profiler-storm-0.7.1-201904012257.noarch
metron-profiler-repl-0.7.1-201904012257.noarch
metron-elasticsearch-0.7.1-201904012257.noarch
metron-pcap-0.7.1-201904012257.noarch
metron-config-0.7.1-201904012257.noarch
metron-maas-service-0.7.1-201904012257.noarch
metron-common-0.7.1-201904012257.noarch
metron-parsers-0.7.1-201904012257.noarch
metron-profiler-spark-0.7.1-201904012257.noarch
metron-solr-0.7.1-201904012257.noarch
metron-performance-0.7.1-201904012257.noarch
```

b) Incorporate the input you received in the previous step into the following to list all of the Metron packages:

sudo rpm -q --scripts metron-config-0.7.1-201904012257.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 -e \$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/1.9.0.0/
tars/metron/hcp-ambari-mpack-1.9.0.0-9.tar.gz
ambari-server install-mpack --force --mpack=/${MPACK_DOWNLOAD_DIRECTORY}/
hcp-ambari-mpack-1.9.0.0-9.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

Search:

Attion							🛔 Logge	id in as user - Le	ogout
Operations	Sensors (7)							Спо	NS -
Services	Name 2	Parser 1	Status 1	Latency #	Throughput 0	Last Updated 8	Last Editor 8	1	
	websphere	GrokWebSphere						F/8	
	jsonMap	JSONMap						> /8	
		Grok						F/8	0
		Shert						> /8	
		Ass						F/8	
		Bro .						F/8	
		Grok						>/8	



Note: Starting the Metron parsers might take a while.

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

Storm UI

Storm UI

|--|

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

Nimbus Summary

Host	Port	Status	Version	UpTime
node1	6627	Leader	1.0.1.2.5.3.0-37	th tilm 7s

Showing 1 to 1 of 1 e	ronee
Topology	Summary

								Search
Name * Owner	i Status i U	ptime No	im workers 11	Num executors	Num tasks	Replication count	Assigned Mem (MB)	Scheduler Info
batch_indexing storm	ACTIVE 1#	n 3a 0		8	0	1	0	
evd evd	ACTIVE 12	m 27a 1	4		4	1	832	
enrichment storm	ACTIVE 52	2m 52a 1	1	15	15	1	832	
profiler storm	ACTIVE 50	im 50s 1		6 6	6	1	832	
mole hore	ACTIVE 4rt	n 35s 1	4	4 4	4	1	832	
atoms.	ACTIVE BY	n.41a 1	4		4	1	832	

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