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Installing & getting started with Apache Storm on Cloudera quickstart

01: Installing & getting started with Apache Storm on Cloudera quickstart

 Posted on [January 13, 2018](#)

Step 1: Download latest version of Storm (E.g. apache-storm-1.1.1.tar.gz) from

<http://storm.apache.org/downloads.html>

On Cloudera machine it will be downloaded to the folder `"/home/cloudera/Downloads"`.

Step 2: Create a directory named `"/opt/storm"` and unzip it after moving into that directory.

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```
1
2 bash-4.1$ cd /home/cloudera/Downloads
3 bash-4.1$ sudo mkdir /opt/storm
4 bash-4.1$ sudo mv /home/cloudera/Downloads/apache-storm-1.1.1.tar.gz /opt/storm
5 bash-4.1$ cd /opt/storm
6 bash-4.1$ sudo gunzip apache-storm-1.1.1.tar.gz
7 bash-4.1$ sudo tar -xvf apache-storm-1.1.1.tar
8
9
```

Step 3: Start the services “Nimbus”, “Supervisor”, and “UI Server” as described below by starting them in 3 separate terminal windows.

Start the Nimbus

```
1
2 bash-4.1$ cd /opt/storm/apache-storm-1.1.1/bin
3 bash-4.1$ sudo ./storm nimbus
4
```

Start the Supervisor

```
1
2 bash-4.1$ cd /opt/storm/apache-storm-1.1.1/bin
3 bash-4.1$ sudo ./storm supervisor
4
```

Start the UI Server

```
1
2 bash-4.1$ cd /opt/storm/apache-storm-1.1.1/bin
3 bash-4.1$ sudo ./storm ui
4
```

Step 4: Open a browser and enter the following URL.

<http://quickstart.cloudera:8080/index.html>

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about:sessionrestore

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Storm UI

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Storm UI

Cluster Summary

Version	Supervisors	Used slots	Free slots	Total slots	Executors	Tasks
1.1.1	1	0	4	4	0	0

Nimbus Summary

Host	Port	Status	Version	UpTime
localhost	6627	Offline	Not applicable	Not applicable
quickstart.cloudera	6627	Leader	1.1.1	4m 58s

Showing 1 to 2 of 2 entries

Topology Summary

Search

Storm UI

Topology Summary

Name

Owner

Status

Uptime

Num workers

Num executors

Num tasks

Replication count

Assigned Mem (MB)

Scheduler Info

No data available in table

Showing 0 to 0 of 0 entries

Supervisor Summary

Host	Id	Uptime	Slots	Used slots	Avail slots	Used Mem (MB)	Version
quickstart.cloudera (log)	b500c749-6e01-4738-bbb0-970a05acc77b	2m 27s	4	0	4	0	1.1.1

Showing 1 to 1 of 1 entries

Nimbus Configuration

Show 20 entries

Key	Value
backpressure.disruptor.high.watermark	0.9
backpressure.disruptor.low.watermark	0.4
client.blobstore.class	"org.apache.storm.kitstore.kitblobstore"
dev.zookeeper.path	"/tmp/dev-storm-zookeeper"
drpc.authorizer.ac1.filename	"drpc-auth-ac1.yaml"
drpc.authorizer.ac1.strict	false

Storm UI

Key	Value
backpressure.disruptor.high.watermark	0.9
backpressure.disruptor.low.watermark	0.4
client.blobstore.class	"org.apache.storm.kitstore.kitblobstore"
dev.zookeeper.path	"/tmp/dev-storm-zookeeper"
drpc.authorizer.ac1.filename	"drpc-auth-ac1.yaml"
drpc.authorizer.ac1.strict	false
drpc.chilopts	"-xmx768m"
drpc.http.creds.plugin	"org.apache.storm.security.auth.DefaultHttpCredentialIsPlugin"
drpc.http.port	3774
drpc.https.keystore.password	""
drpc.https.keystore.type	"JKS"
drpc.https.port	-1
drpc.invocations.port	3773
drpc.invocations.threads	64
drpc.max_buffer_size	1048576
drpc.port	3772
drpc.queue.size	328
drpc.request.timeout.secs	600
drpc.worker.threads	64
java.library.path	"/usr/local/lib:/opt/local/lib:/usr/lib"

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02: Simple Apache Storm application running inside Eclipse in a local cluster ▶

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