

Getting Started

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Running a simple Flink application

In this example, you will use the Stateless Monitoring Application from the Flink Tutorials to build your Flink project, submit a Flink job and monitor your Flink application using the Flink Dashboard in an unsecured environment.

Before you begin

- Download the CSA artifacts.
- Install Flink as a service to your cluster.
- Set up the HDFS home directory.
- Set up the Java home environment.

Procedure

1. Clone the simple tutorial from git:

```
git clone https://github.com/cloudera/flink-tutorials.git
```

2. Access the simple tutorial folder:

```
cd flink-tutorials/flink-simple-tutorial
```

3. Build your Flink project using maven:

```
mvn clean package
```

4. Upload the Flink project to your cluster.

```
scp <location>/flink-stateful-tutorial-1.2-SNAPSHOT.jar  
root@<your_hostname>:.
```



Note: Provide your password when prompted.

5. Run the Flink application:

```
flink run -d -p 2 -ynm HeapMonitor target/flink-simple-tutorial-1.2-SNAPSHOT.jar
```

6. Go to Cloudera Manager.
7. Click Cluster > Flink.
8. Click Flink Dashboard.
9. Click Task Manager on the left side menu.
10. Monitor your Flink application under logs.