

How to Interact with MapReduce Jobs

Usage – `hadoop job [GENERIC_OPTIONS]`

The following are the Generic Options available in a Hadoop job.

| Sr.No. | GENERIC_OPTION & Description |
|--------|---|
| 1 | -submit <job-file> Submits the job. |
| 2 | -status <job-id> Prints the map and reduce completion percentage and all job counters. |
| 3 | -counter <job-id> <group-name> <countername> Prints the counter value. |
| 4 | -kill <job-id> Kills the job. |
| 5 | -events <job-id> <fromevent-#> <#-of-events> Prints the events' details received by jobtracker for the given range. |
| 6 | -history [all] <jobOutputDir> - history < jobOutputDir> Prints job details, failed and killed tip details. More details about the job such as successful tasks and task attempts made for each task can be viewed by specifying the [all] option. |
| 7 | -list[all] Displays all jobs. -list displays only jobs which are yet to complete. |
| 8 | -kill-task <task-id> Kills the task. Killed tasks are NOT counted against failed attempts. |

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|----|---|
| 9 | -fail-task <task-id> Fails the task. Failed tasks are counted against failed attempts. |
| 10 | -set-priority <job-id> <priority> Changes the priority of the job. Allowed priority values are VERY_HIGH, HIGH, NORMAL, LOW, VERY_LOW |

To see the status of job

```
$ $HADOOP_HOME/bin/hadoop job -status <JOB-ID>
e.g.
$ $HADOOP_HOME/bin/hadoop job -status job_201310191043_0004
```

To see the history of job output-dir

```
$ $HADOOP_HOME/bin/hadoop job -history <DIR-NAME>
e.g.
$ $HADOOP_HOME/bin/hadoop job -history /user/expert/output
```

To kill the job

```
$ $HADOOP_HOME/bin/hadoop job -kill <JOB-ID>
e.g.
$ $HADOOP_HOME/bin/hadoop job -kill job_201310191043_0004
```