

# POST mapreduce/jar

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## 1 Description

Creates and queues a standard [Hadoop MapReduce](#) job.

## 2 URL

<http://www.myserver.com/templeton/v1/mapreduce/jar>

## 3 Parameters

Name	Description	Required?	Default
<b>jar</b>	Name of the jar file for Map Reduce to use.	Required	None
<b>class</b>	Name of the class for Map Reduce to use.	Required	None
<b>libjars</b>	Comma separated jar files to include in the classpath.	Optional	None
<b>files</b>	Comma separated files to be copied to the map reduce cluster	Optional	None
<b>arg</b>	Set a program argument.	Optional	None
<b>define</b>	Set an Hadoop configuration variable using the syntax <code>define=NAME=VALUE</code>	Optional	None
<b>statusdir</b>	A directory where Templeton will write the status of the Map Reduce job. If provided, it is the caller's responsibility to remove this directory when done.	Optional	None
<b>callback</b>	Define a URL to be called upon job completion. You may embed a specific job ID into this URL using <code>\$jobId</code> . This tag will be replaced in the callback	Optional	None

Name	Description	Required?	Default
	URL with this job's job ID.		

## 4 Results

Name	Description
<b>id</b>	A string containing the job ID similar to "job_201110132141_0001".
<b>info</b>	A JSON object containing the information returned when the job was queued. See the Hadoop documentation ( <a href="#">Class TaskController</a> ) for more information.

## 5 Example

### Code and Data Setup

```
% hadoop fs -put wordcount.jar .
% hadoop fs -put transform.jar .

% hadoop fs -ls .
Found 2 items
-rw-r--r--  1 ctdean supergroup      23 2011-11-11 13:29 /user/ctdean/wordcount.jar
-rw-r--r--  1 ctdean supergroup      28 2011-11-11 13:29 /user/ctdean/transform.jar
```

### Curl Command

```
% curl -s -d user.name=ctdean \
-d jar=wordcount.jar \
-d class=org.myorg.WordCount \
-d libjars=transform.jar \
-d arg=wordcount/input \
-d arg=wordcount/output \
'http://localhost:50111/templeton/v1/mapreduce/jar'
```

### JSON Output

```
{
  "id": "job_201111121211_0001",
  "info": {
    "stdout": "templeton-job-id: job_201111121211_0001",
    "stderr": "",
    "exitcode": 0
  }
}
```

```
}
```