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
jar	Name of the jar file for Map Reduce to use.	Required	None
class	Name of the class for Map Reduce to use.	Required	None
libjars	Comma separated jar files to include in the classpath.	Optional	None
files	Comma separated files to be copied to the map reduce cluster	Optional	None
arg	Set a program argument.	Optional	None
define	Set an Hadoop configuration variable using the syntax `define=NAME=VALUE`	Optional	None
statusdir	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
callback	Define a URL to be called upon job completion. You may embed a specific job ID into this URL using `$jobId`. 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
id	A string containing the job ID similar to "job_201110132141_0001".
info	A JSON object containing the information returned when the job was queued. See the Hadoop documentation ([Class TaskController](#)) 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
         }
```

```
}
```