POST mapreduce/streaming

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1 Description

Create and queue an Hadoop streaming MapReduce job.

2 URL

http://www.myserver.com/templeton/v1/mapreduce/streaming

3 Parameters

Name	Description	Required?	Default
input	Location of the input data in Hadoop.	Required	None
output	Location in which to store the output data. If not specified, Templeton will store the output in a location that can be discovered using the queue resource.	Optional	See description
mapper	Location of the mapper program in Hadoop.	Required	None
reducer	Location of the reducer program in Hadoop.	Required	None
file	Add an HDFS file to the distributed cache.	Optional	None
define	Set an Hadoop configuration variable using the syntax define=NAME=VALUE	Optional	None
cmdenv	Set an environment variable using the syntax cmdenv=NAME=VALUE	Optional	None
arg	Set a program argument.	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	Optional	None

Name			
	remove this directory when done.		
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 URL with this job's job ID.	Optional	None

4 Results

Name	
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

Curl Command

```
% curl -s -d user.name=ctdean \
-d input=mydata \
-d output=mycounts \
-d mapper=/bin/cat \
-d reducer="/usr/bin/wc -w" \
```

'http://localhost:50111/templeton/v1/mapreduce/streaming'

JSON Output

Results