

# WebHCat Reference Hive


## Hive Job — POST hive

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### Description

Runs a [Hive](#) query or set of commands.

Version: Hive 0.13.0 and later

 As of Hive 0.13.0, [GET version/hive](#) displays the Hive version used for the query or commands.

### URL

<http://www.myserver.com/templeton/v1/hive>

### Parameters

Name	Description	Required?	Default
<b>execute</b>	String containing an entire, short Hive program to run.	One of either "execute" or "file" is required.	None
<b>file</b>	HDFS file name of a Hive program to run.	One of either "execute" or "file" is required.	None
<b>define</b>	Set a Hive configuration variable using the syntax <code>define=NAME=VALUE</code> . See a <a href="#">note</a> CURL and "=".	Optional	None
<b>arg</b>	Set a program argument. This parameter was introduced in Hive 0.12.0. (See <a href="#">HIVE-4444</a> .)	Optional in Hive 0.12.0+	None
<b>files</b>	Comma-separated files to be copied to the map reduce cluster. This parameter was introduced in Hive 0.12.0. (See <a href="#">HIVE-4444</a> .)	Optional in Hive 0.12.0+	None
<b>statusdir</b>	A directory where WebHCat will write the status of the Hive job. If provided, it is the caller's responsibility to remove this directory when done.	Optional	None
<b>enablelog</b>	If <b>statusdir</b> is set and <b>enablelog</b> is "true", collect Hadoop job configuration and logs into a directory named <code>statusdir/logs</code> after the job finishes. Both completed and failed attempts are logged. The layout of subdirectories in <code>statusdir/logs</code> is:  <pre>logs/\$job_id (directory for \$job_id) logs/\$job_id/job.xml.html logs/\$job_id/\$attempt_id (directory for \$attempt_id) logs/\$job_id/\$attempt_id/stderr logs/\$job_id/\$attempt_id/stdout logs/\$job_id/\$attempt_id/syslog</pre> This parameter was introduced in Hive 0.12.0. (See <a href="#">HIVE-4531</a> .)	Optional in Hive 0.12.0+	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 URL with this job's job ID.	Optional	None

The [standard parameters](#) are also supported.

### 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.
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## Example

### Curl Command

```
% curl -s -d execute="select**+from+pokes;" \
-d statusdir="pokes.output" \
'http://localhost:50111/templeton/v1/hive?user.name=ekoifman'
```

#### Version information

 Prior to Hive 0.13.0, user.name was specified in POST requests as a form parameter: `curl -d user.name=<user>`.

In [Hive 0.13.0](#) onward, user.name should be specified in the query string (as shown above): `'http://.../templeton/v1/hive?user.name=<name>'`. Specifying user.name as a form parameter is deprecated.

### JSON Output

```
{
  "id": "job_201111111311_0005",
  "info": {
    "stdout": "templeton-job-id:job_201111111311_0005",
    "stderr": "",
    "exitcode": 0
  }
}
```

### Example Results

```
% hadoop fs -ls pokes.output
Found 2 items
-rw-r--r--  1 ctdean supergroup      610 2011-11-11 13:22 /user/ctdean/pokes.output/stderr
-rw-r--r--  1 ctdean supergroup      15 2011-11-11 13:22 /user/ctdean/pokes.output/stdout

% hadoop fs -cat pokes.output/stdout
1      a
2      bb
3      ccc
```

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General: [WebHCat Reference](#) – [WebHCat Manual](#) – [HCatalog Manual](#) – [Hive Wiki Home](#) – [Hive Project Site](#)