

- Pipeline Rules
- Pipeline Status
- Definitions

Preview mode

From the **Preview** panel, you can use the **More** icon to view the Preview Data REST response data.

Monitor mode

From the **Monitor** panel, you can use the **More** icon to view the following REST response data:

- Pipeline Monitoring
- Pipeline Configuration
- Pipeline Rules
- Pipeline Status
- Definitions

JVM Metrics page

From the **JVM Metrics** page, **Administration > JVM Metrics**, you can use the **More** icon to view the following REST response data:

- JVM Metrics
- Thread Dump

Disabling the REST Response Menu

You can configure the Data Collector to disable the display of REST responses.

1. To disable the REST Response menus, click the **Help** icon, and then click **Settings**.
2. In the **Settings** window, select **Hide the REST Response Menu**.

Command Line Interface

The Data Collector provides a command line interface.

You can use the following commands with the command line interface:

help

Provides information about each command.

manager

Provides the following arguments:

- start - Starts a pipeline.
- status - Returns the status of a pipeline.
- stop - Stops a pipeline.
- reset-origin - Resets the origin when possible.

store

Provides the following arguments:

- import - Imports a pipeline.

- list - Lists information for all available pipelines.

Using the Command Line Interface

Call the Data Collector command line interface from the following location:

```
$ <SDCinstalldir>/bin/
```

Use the following command as the base for all CLI commands:

```
$ <SDCinstalldir>/bin/streamsets cli \
(-U <sdURL> | --url <sdURL>) \
[(-a <sdAuthType> | --auth-type <sdAuthType>)] \
[(-u <sdUser> | --user <sdUser>)] \
[(-p <sdPassword> | --password <sdPassword>)] \
<command> [<args>]
```

The following table describes the options for the basic command:

Option	Description
-U <sdURL> or --url <sdURL>	URL of the Data Collector. The default URL is http://localhost:18630/.
-a <sdAuthType> or --auth-type <sdAuthType>	Optional. HTTP authentication type used by the Data Collector.
-u <sdUser> or --user <sdUser>	Optional. User name to use to log in. The roles assigned to the user account determine the tasks that you can perform. If you omit this option, the Data Collector allows admin access.
-p <sdPassword> or --password <sdPassword>	Optional. Required when you enter a user name. Password for the user account.
<command>	Required. Command to perform.
<args>	Optional. Include arguments and options as needed.

Help Command

Use the help command to view additional information for the specified command.

For additional information for each command, including the available arguments, use the help command as follows:

```
<SDCinstalldir>/bin/streamsets cli \
(-U <sdURL> | --url <sdURL>) \
[(-a <sdAuthType> | --auth-type <sdAuthType>)] \
[(-u <sdUser> | --user <sdUser>)] \
[(-p <sdPassword> | --password <sdPassword>)] \
help <command>
```

For example, the following command displays the details for the manager command:

```
<SDCinstalldir>/bin/streamsets cli -U http://localhost:18630 help manager
```

Manager Command

The manager command provides arguments to start and stop a pipeline, view the status of all pipelines, and reset the origin for a pipeline.

The manager command returns the pipeline status object after it successfully completes the specified argument. The following is a sample of the pipeline status object:

```
{
  "user" : "admin",
  "name" : "testAnything",
  "rev" : "0",
  "status" : "STOPPING",
  "message" : null,
  "timestamp" : 1447116703147,
  "attributes" : { },
  "executionMode" : "STANDALONE",
  "metrics" : null,
  "retryAttempt" : 0,
  "nextRetryTimeStamp" : 0
}
```

Note that the timestamp is in the Long data format.

You can use the following manager arguments:

start

Starts a pipeline. Returns the pipeline status when successful.

The start argument uses the following syntax:

```
manager start \
  (-n <pipelineName> | --name <pipelineName>) [--stack] \
  [(-r <pipelineRev> | --revision <pipelineRev>)]
```

Start Option	Description
-n <pipelineName> or -name <pipelineName>	Required. Name of the pipeline to start. Note: If the name includes spaces, surround the name in quotation marks.
--stack	Optional. Returns additional information when the Data Collector cannot start the pipeline. Use to debug the problem or pass to StreamSets for help.
-r <pipelineRev> or -- revision <pipelineRev>	Optional. The revision of the pipeline. Use to start an older version of the pipeline. By default, the Data Collector starts the most recent version.

For example, the following command starts the Write to Kafka pipeline:

```
bin/streamsets cli -U http://localhost:18630 manager start -n "Write to Kafka"
```

The following command starts the first version of the CSV pipeline:

```
bin/streamsets cli -U http://localhost:18630 manager start -n CSV -r 1
```

stop

Stops a pipeline. Returns the pipeline status when successful.

The stop argument uses the following syntax:

```
manager stop \
```

```
(-n <pipelineName> | --name <pipelineName>) [--stack] \
[(-r <pipelineRev> | --revision <pipelineRev>)]
```

Stop Option	Description
-n <pipelineName> or -name <pipelineName>	Required. Name of the pipeline to stop. Note: If the name includes spaces, surround the name in quotation marks.
--stack	Optional. Returns additional information when the Data Collector cannot stop the pipeline. Use to debug the problem or pass to StreamSets for help.
-r <pipelineRev> or -- revision <pipelineRev>	Optional. The revision of the pipeline. Use to stop an older version of the pipeline. By default, the Data Collector stops the most recent version.

For example, the following command stops the Write to Kafka pipeline:

```
bin/streamsets cli -U http://localhost:18630 manager stop -n "Write to Kafka"
```

The following command stops the first version of the CSV pipeline:

```
bin/streamsets cli -U http://localhost:18630 manager stop -n CSV -r 1
```

status

Returns the status of a pipeline. Returns the pipeline status when successful.

The status argument uses the following syntax:

```
manager status \
(-n <pipelineName> | --name <pipelineName>) [--stack] \
[(-r <pipelineRev> | --revision <pipelineRev>)]
```

Status Option	Description
-n <pipelineName> or -name <pipelineName>	Required. Name of the pipeline. Note: If the name includes spaces, surround the name in quotation marks.
--stack	Optional. Returns additional information when the Data Collector cannot return the status of the pipeline. Use to debug the problem or pass to StreamSets for help.
-r <pipelineRev> or -- revision <pipelineRev>	Optional. The revision of the pipeline. Use for older versions of the pipeline. By default, the Data Collector returns information for the most recent version.

For example, the following command returns the pipeline status for the Write to Kafka pipeline:

```
bin/streamsets cli -U http://localhost:18630 manager status -n "Write to Kafka"
```

The following command returns the pipeline status for the first version of the CSV pipeline:

```
bin/streamsets cli -U http://localhost:18630 manager status -n CSV -r 1
```

reset-origin

Resets the origin of a pipeline. Use for pipeline origins that can be reset. Some pipeline origins cannot be reset. Returns the pipeline status when successful.

The reset-origin argument uses the following syntax:

```
manager reset-origin \
  (-n <pipelineName> | --name <pipelineName>) [--stack] \
  [(-r <pipelineRev> | --revision <pipelineRev>)]
```

Reset Origin Option	Description
-n <pipelineName> or -name <pipelineName>	Required. Name of the pipeline. Note: If the name includes spaces, surround the name in quotation marks.
--stack	Optional. Returns additional information when the Data Collector cannot reset the origin. Use to debug the problem or pass to StreamSets for help.
-r <pipelineRev> or -- revision <pipelineRev>	Optional. The revision of the pipeline. Use to reset the origin for an older version of the pipeline. By default, the Data Collector resets the origin for the most recent version.

For example, the following command resets the origin for the Read Files pipeline:

```
bin/streamsets cli -U http://localhost:18630 manager reset-origin -n "Read Files"
```

Store Command

The store command provides arguments to view a list of all pipelines and to import a pipeline.

You can use the following arguments with the store command:

list

Lists all available pipelines. The list argument uses the following syntax:

```
store list
```

Returns the following information for each pipeline:

```
{
  "name" : "<name>",
  "description" : "< >",
  "created" : <created time>,
  "lastModified" : <last modified time>,
  "creator" : "admin",
  "lastModifier" : "admin",
  "lastRev" : "0",
  "uuid" : "c4807b4b-f82a-4e5f-ac65-2c2a81db62e4",
  "valid" : true
},
```

For example, the following command lists all pipelines associated with the Data Collector:

```
bin/streamsets cli -U http://localhost:18630 store list
```

import

Imports a pipeline. Use to import a pipeline JSON file, typically exported from a Data Collector.

The import argument uses the following syntax:

```
store import (-n <pipelineName> | --name <pipelineName>) [--stack] \
[(-f <fileName> | --file <fileName>)]
```

Import Option	Description
-n <pipelineName> or -name <pipelineName>	Required. Name for the imported pipeline. If the name includes spaces, surround the name in quotation marks.
--stack	Optional. Returns additional information when the Data Collector cannot import the pipeline. Use to debug the problem or pass to StreamSets for help.
-f <fileName> or --file <fileName>	Optional. The location and name of the file to import. Enter a path relative to the Data Collector installation directory.

Returns a message when the import is successful.

For example, the following command creates a "Dir to HDFS" pipeline based on the files2hdfs.json file:

```
bin/streamsets cli -U http://localhost:18630 store import -n "Files to HDFS" \
-f ../../exported_pipelines/files2hdfs.json
```