

# Experimental REST API Reference

Ex

Airflow exposes an REST API. It is available through the webserver. Endpoints are available at `/api/experimental/`.

**Warning**

This REST API is deprecated since version 2.0. Please consider using [the stable REST API](#). For more information on migration, see [UPDATING.md](#)

*Changed in version 2.0:* The experimental REST API is disabled by default. To restore these APIs while migrating to the stable REST API, set `enable_experimental_api` option in `[api]` section to `True`.

## Endpoints

**POST**
`/api/experimental/dags/<DAG_ID>/dag_runs`

Creates a dag\_run for a given dag id. Note: If execution\_date is not specified in the body, airflow by default creates only one DAG per second for a given DAG\_ID. In order to create multiple DagRun within one second, you should set parameter `"replace_microseconds"` to `"false"` (boolean as string).

The execution\_date must be specified with the format `YYYY-mm-DDTHH:MM:SS.sssss`.

**Trigger DAG with config, example:**

```
curl -X POST \
  'http://localhost:8080/api/experimental/dags/<DAG_ID>/dag_runs' \
  --header 'Cache-Control: no-cache' \
  --header 'Content-Type: application/json' \
  --data '{"conf": {"key": "value"}}'
```

**Trigger DAG with milliseconds precision, example:**

```
curl -X POST \
  'http://localhost:8080/api/experimental/dags/<DAG_ID>/dag_runs' \
  --header 'Content-Type: application/json' \
  --header 'Cache-Control: no-cache' \
  --data '{"replace_microseconds": "false"}'
```

**GET**
`/api/experimental/dags/<DAG_ID>/dag_runs`

Returns a list of Dag Runs for a specific DAG ID.

**GET**
`/api/experimental/dags/<string:dag_id>/dag_runs/<string:execution_date>`

Returns a JSON with a dag\_run's public instance variables. The format for the `<string:execution_date>` is expected to be `YYYY-mm-DDTHH:MM:SS`, for example: `"2016-11-16T11:34:15"`.

**GET**
`/api/experimental/test`

To check REST API server correct work. Return status 'OK'.

**GET**
`/api/experimental/dags/<DAG_ID>/tasks/<TASK_ID>`

Returns info for a task.

**GET**
`/api/experimental/dags/<DAG_ID>/dag_runs/<string:execution_date>/tasks/<TASK_ID>`

Returns a JSON with a task instance's public instance variables. The format for the `<string:execution_date>` is expected to be `YYYY-mm-DDTHH:MM:SS`,

for example: **"2016-11-16T11:34:15"** .

```
GET /api/experimental/dags/<DAG_ID>/paused/<string:paused>
```

'<string:paused>' must be a 'true' to pause a DAG and 'false' to unpause.

```
GET /api/experimental/dags/<DAG_ID>/paused
```

Returns the paused state of a DAG

```
GET /api/experimental/latest_runs
```

Returns the latest DagRun for each DAG formatted for the UI.

```
GET /api/experimental/pools
```

Get all pools.

```
GET /api/experimental/pools/<string:name>
```

Get pool by a given name.

```
POST /api/experimental/pools
```

Create a pool.

```
DELETE /api/experimental/pools/<string:name>
```

Delete pool.

```
GET /api/experimental/lineage/<DAG_ID>/<string:execution_date>/
```

Returns the lineage information for the dag.

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