

UI / Screenshots


The Airflow UI makes it easy to monitor and troubleshoot your data pipelines. Here's a quick overview of some of the features and visualizations you can find in the Airflow UI.

DAGs View

List of the DAGs in your environment, and a set of shortcuts to useful pages. You can see exactly how many tasks succeeded, failed, or are currently running at a glance. To hide completed tasks set `show_recent_stats_for_completed_runs = False`

In order to filter DAGs (e.g by team), you can add tags in each dag. The filter is saved in a cookie and can be reset by the reset button. For example:

```
dag = DAG('dag', tags=['team1', 'sql'])
```

 Airflow

DAGs

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21:11 UTC





























































RH

DAGs

All 26Active 10Paused 16

Filter DAGs by tag

Search DAGs

DAG	Owner	Runs	Schedule	Last Run	Recent Tasks	Actions	Links
 example_bash_operator example example2	airflow		0 0 ***	2020-10-26, 21:08:11		  	...
 example_branch_dop_operator_v3 example	airflow		* / 1 * * * *			  	...
 example_branch_operator example example2	airflow		@daily	2020-10-23, 14:09:17		  	...
 example_complex example example2 example3	airflow		None	2020-10-26, 21:08:04		  	...
 example_external_task_marker_child	airflow		None	2020-10-26, 21:07:33		  	...
 example_external_task_marker_parent	airflow		None	2020-10-26, 21:08:34		  	...
 example_kubernetes_executor example example2	airflow		None			  	...
 example_kubernetes_executor_config example3	airflow		None	2020-10-26, 21:07:40		  	...
 example_nested_branch_dag example	airflow		@daily	2020-10-26, 21:07:37		  	...
 example_passing_params_via_test_command example	airflow		* / 1 * * * *			  	...

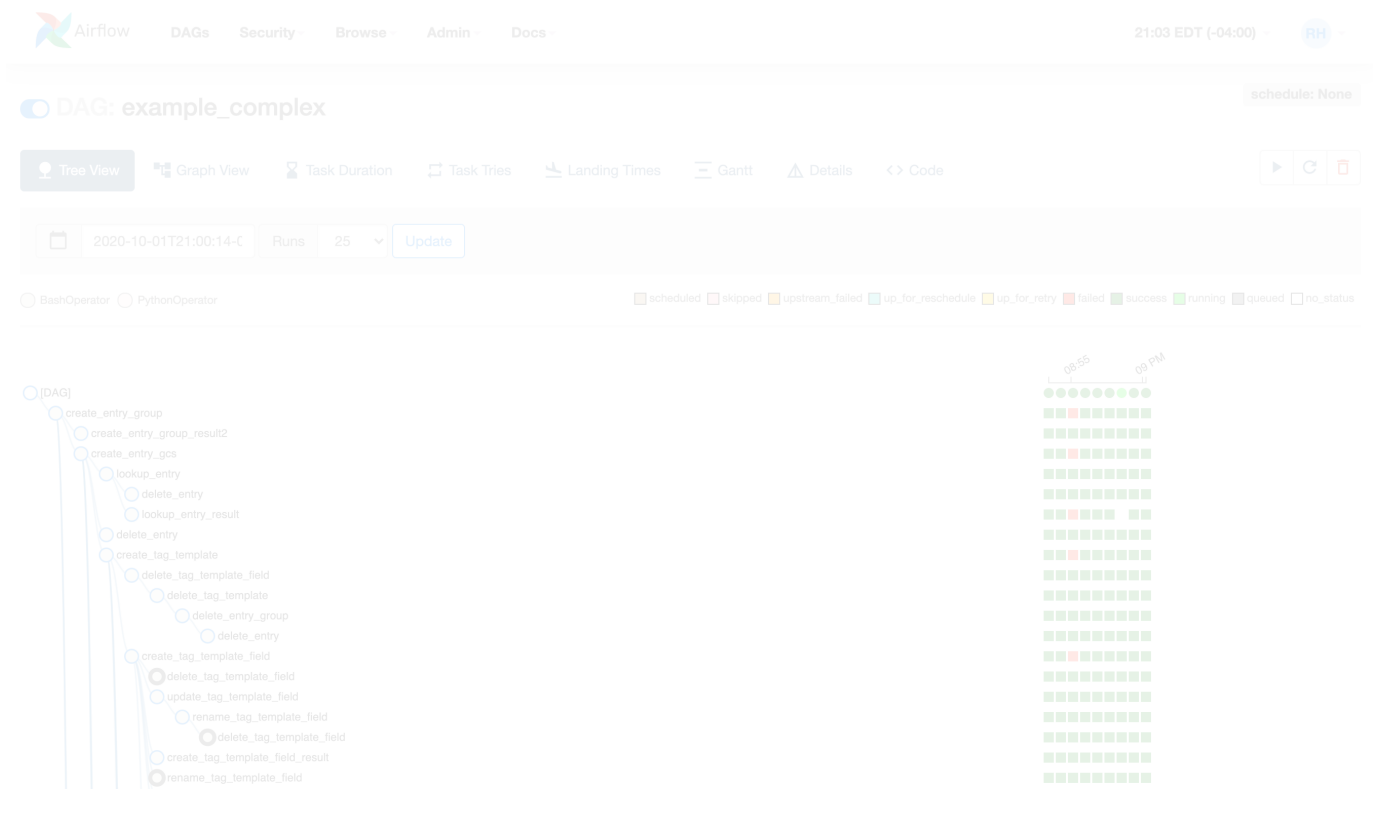
Tree View

A tree representation of the DAG that spans across time. If a pipeline is late, you can quickly see where the different steps are and identify the blocking ones.

There is also visual difference between scheduled and manually triggered DAGs/tasks:

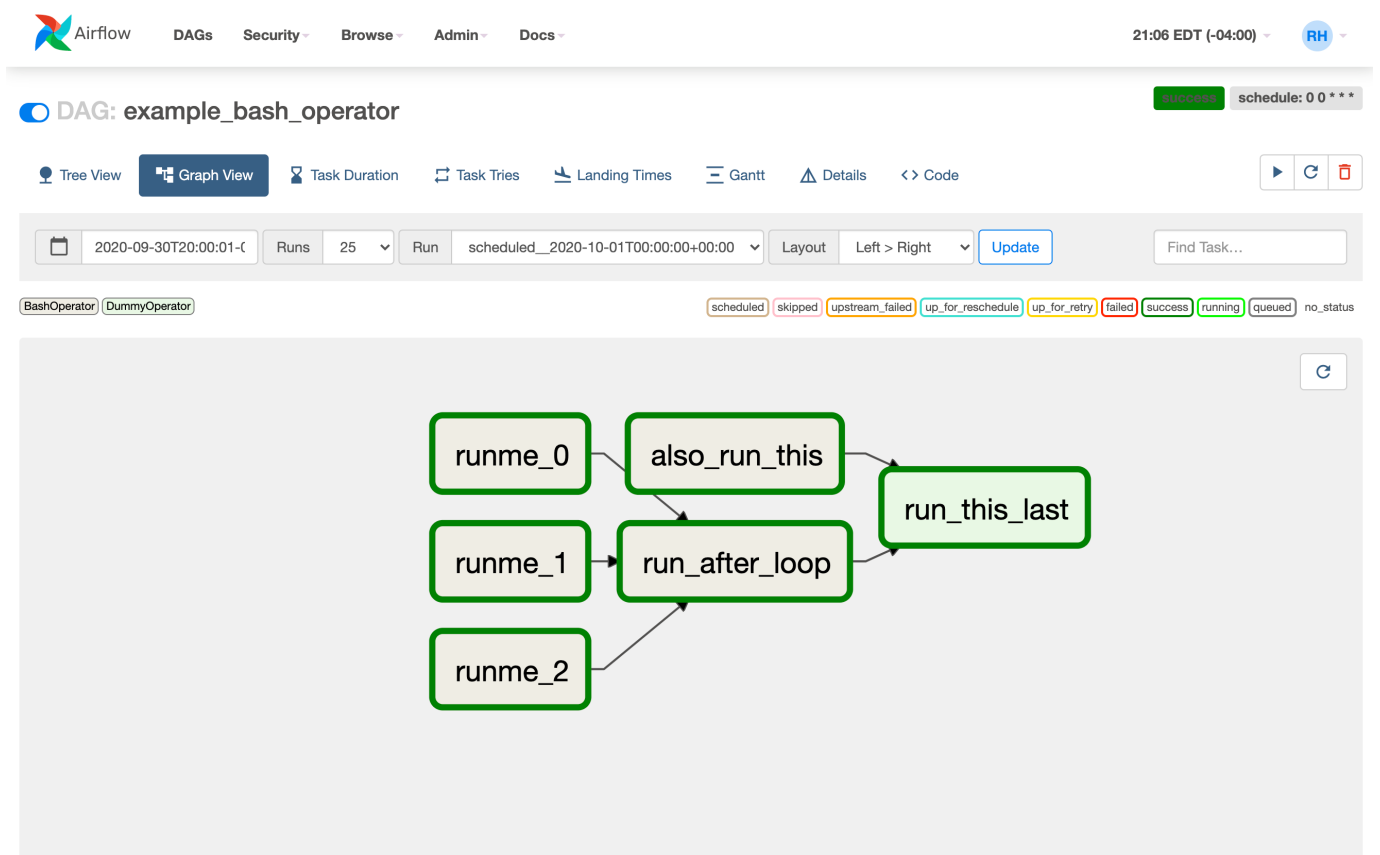


The DAGs/tasks with a black border are scheduled runs, whereas the non-bordered DAGs/tasks are manually triggered, i.e. by `airflow dags trigger`.



Graph View

The graph view is perhaps the most comprehensive. Visualize your DAG's dependencies and their current status for a specific run.



Variable View

The variable view allows you to list, create, edit or delete the key-value pair of a variable used during jobs. Value of a variable will be hidden if the key

contains any words in ('password', 'secret', 'passwd', 'authorization', 'api_key', 'apikey', 'access_token') by default, but can be configured to show in clear-text (by configuration option `hide_sensitive_variable_fields`).

Users can also extend this list by using the following configurations option:

```
[admin]
sensitive_variable_fields = comma_separated_sensitive_variable_fields_list
```

List Variable

Search ▾

+ Actions ▾

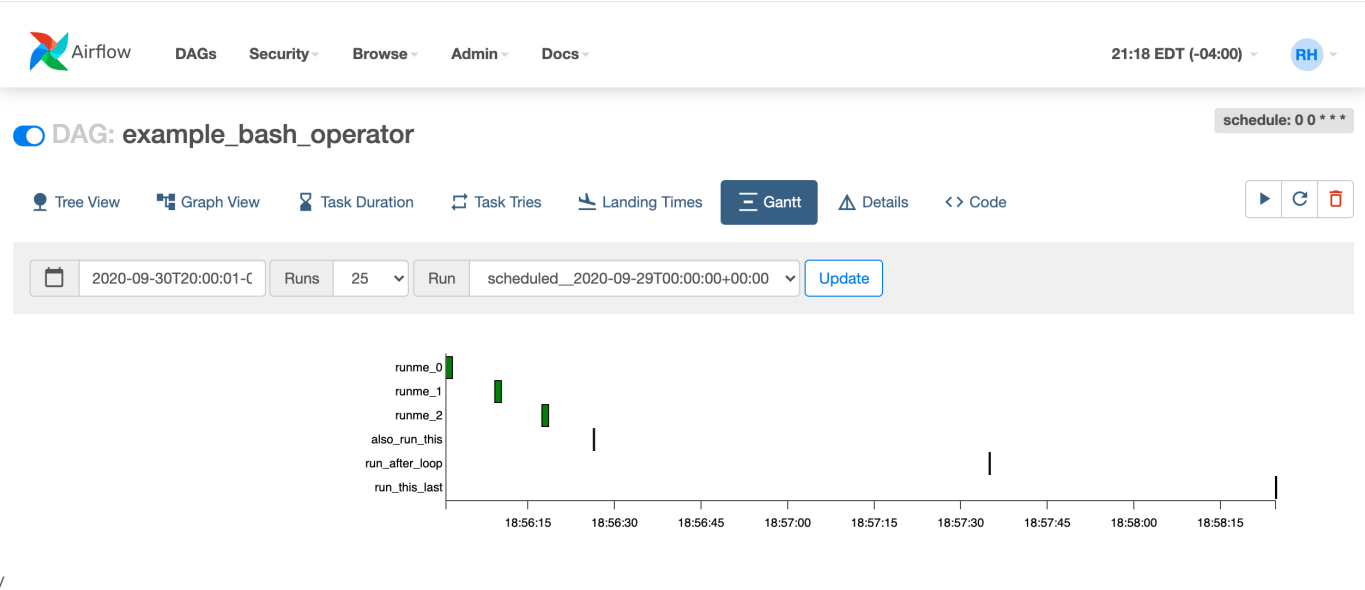
←

Record Count: 6

<input type="checkbox"/>	Key ▴ ▾	Val ▴ ▾	Is Encrypted ▴ ▾
<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> airtable_api_key	*****	True
<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> airtable_base_key	appzasdasdasdas	True
<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> environment	prod	True
<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> pipedrive_env	pipedrive	True
<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> postgres_env	prod	True
<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> snowflake_password	*****	True

Gantt Chart

The Gantt chart lets you analyse task duration and overlap. You can quickly identify bottlenecks and where the bulk of the time is spent for specific DAG runs.



Task Duration

The duration of your different tasks over the past N runs. This view lets you find outliers and quickly understand where the time is spent in your DAG over many runs.

DAG: example_kubernetes_executor

schedule: None

[Tree View](#) [Graph View](#) [Task Duration](#) [Task Tries](#) [Landing Times](#) [Gantt](#) [Details](#) [Code](#) [Runs](#) [25](#) [Update](#)☐ Cumulative Duration

Code View

Transparency is everything. While the code for your pipeline is in source control, this is a quick way to get to the code that generates the DAG and provide yet more context.

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DAG: example_bash_operator

schedule: 0 0 * * *

Tree View

Graph View

Task Duration

Task Tries

Landing Times

Gantt

Details

<> Code

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18

19"""Example DAG demonstrating the usage of the BashOperator."""

20

21from datetime import timedelta

22

23from airflow import DAG

24from airflow.operators.bash import BashOperator

25from airflow.operators.dummy_operator import DummyOperator

26from airflow.utils.dates import days_ago

27

28args = {

29 'owner': 'airflow',

30 }

31

32dag = DAG(

33 dag_id='example_bash_operator',

34 default_args=args,

35 schedule_interval='0 0 * * *'.

Toggle Wrap

Task Instance Context Menu

From the pages seen above (tree view, graph view, gantt, ...), it is always possible to click on a task instance, and get to this rich context menu that can take you to more detailed metadata, and perform some actions.

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DAG: example_bash

schedule: 0 0 * * *

Tree View

Graph View

Task Duration

Task Tries

Landing Times

Gantt

Details

<> Code

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2020-09-30T20:00:01-C

Run

Update

BashOperator

DummyOperator

Find Task...

failed

success

running

queued

no_status

↺

Task Instance: run_after_loop

at: 2020-10-01T00:00:00+00:00

Task Instance Details

Rendered

Task Instances

View Log

Filter Upstream

Task Actions

Ignore All Deps

Ignore Task State

Ignore Task Deps

Run

Past

Future

Upstream

Downstream

Recursive

Failed

Clear

Past

Future

Upstream

Downstream

Mark Failed

Past

Future

Upstream

Downstream

Mark Success

Close

Previous

Next

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