

Creating a DAG

Creating a DAG is easy. Give it a name, a description, a start date, and an interval.

```
from airflow import DAG

divvy_dag = DAG(
    'divvy',
    description='Analyzes Divvy Bikeshare Data',
    start_date=datetime(2019, 2, 4),
    schedule_interval='@daily')
```

Creating Operators to Perform Tasks

Operators define the atomic steps of work that make up a DAG. Instantiated operators are referred to as **Tasks**.

```
from airflow import DAG
from airflow.operators.python_operator import PythonOperator

def hello_world():
    print("Hello World")

divvy_dag = DAG(...)
task = PythonOperator(
    task_id='hello_world',
    python_callable=hello_world,
    dag=divvy_dag)
```

Schedules

Schedules are optional, and may be defined with cron strings or Airflow Presets. Airflow provides the following presets:

- `@once` - Run a DAG once and then never again
- `@hourly` - Run the DAG every hour
- `@daily` - Run the DAG every day
- `@weekly` - Run the DAG every week
- `@monthly` - Run the DAG every month
- `@yearly` - Run the DAG every year
- `None` - Only run the DAG when the user initiates it

Start Date: If your start date is in the past, Airflow will run your DAG as many times as there are schedule intervals between that start date and the current date.

End Date: Unless you specify an optional end date, Airflow will continue to run your DAGs until you disable or delete the DAG.