

# Agenda

- 1. Progress
- 2. **1** Challenges
- 3. Z Remaining
- 4. \* Maintenance
- 5. 🎬 Demo

### Progress

• Migration of 80% of our DAGs (~4 remaining) from docker-airflow to airflow-fargate-corporate

### **Repository Goals**

- Identical working envs between local and buildkite
- Fast (<5 mins) CI/CD</li>
- Friendly developer experience



## **Dynamic DAGs**

### **Motivation**

Reduce manual effort maintaing multiple DAGs for different envs

## **Implementation**

- A base\_config.yml in Jinja2 template to have a consistently render each DAG
- Different env.yml files nested within their folder
- Use common\_airflow.get\_dag\_configs function; adds additional metadata on rendering.

# **\*** Key Features

#### **Folder Structure**

```
workday_rest
    base_config.yml
    dag.py
    envs
     — blue.yml
      — pink.yml
    prod.yml
powerbi_api
    base_config.yml
    dag.py
    envs
      — dev.yml
    └── prod.yml
    tasks
      — dev.yml
       prod.yml
```

# **\*** Key Features

#### **1 Under the hood features:**

- Addition of pre-commit to ensure each commit is properly linted
- Catching import errors
- Emojis 🕺

### m Helper Classes

- SeekAWSBatchOperator renamed to SeekBatchOperator
  - By default, aws\_conn\_id is set to corporate
  - Support for using the corporate-hr
- New helper classes SeekCorporateDAG (adds correct tags and corporate\_ prefix) and SeekCorporateExternalTaskSensor.

# Challenges

- Migration over to using the dataops-unified-airflow-{env} role
- AwsAccount (@dataclass) has been created to manage the connections.
- Dealing with the dags/corporate PYTHONPATH issue

### Remaining

- High impact DAGs
- Testing of PagerDuty integration

### **Planned Migration**

- All moderate impact DAGs that have dependency on <a href="mailto:crm\_base\_semantic">crm\_base\_semantic</a> and <a href="mailto:salesforce\_v2">salesforce\_v2</a> will be turned off in production.
- Mid September switch over (post month end reporting).



### What does it mean for you?

- If the DAG is already switched on in unified-airflow in production. Switch over completely to airflow-fargate-corporate.
- Otherwise if the DAG exists in unified-airflow but not switched on, you'll have to edit both the airflow-fargate-corporate and docker-airflow repos to keep them in sync. (Only dag.py related changes)



Build a DAG within five minutes