

# Why Data Orchestration/Pipeline Framework

ABC



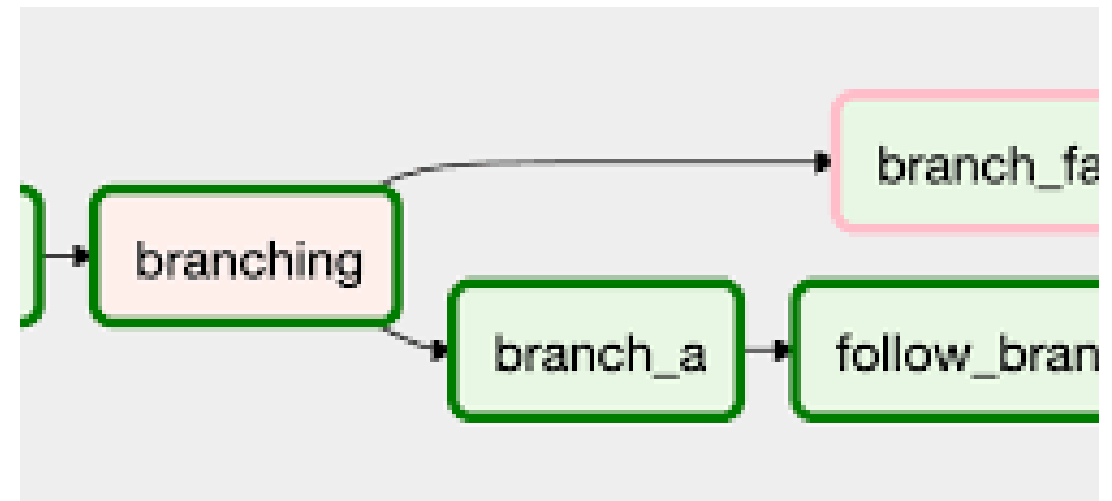
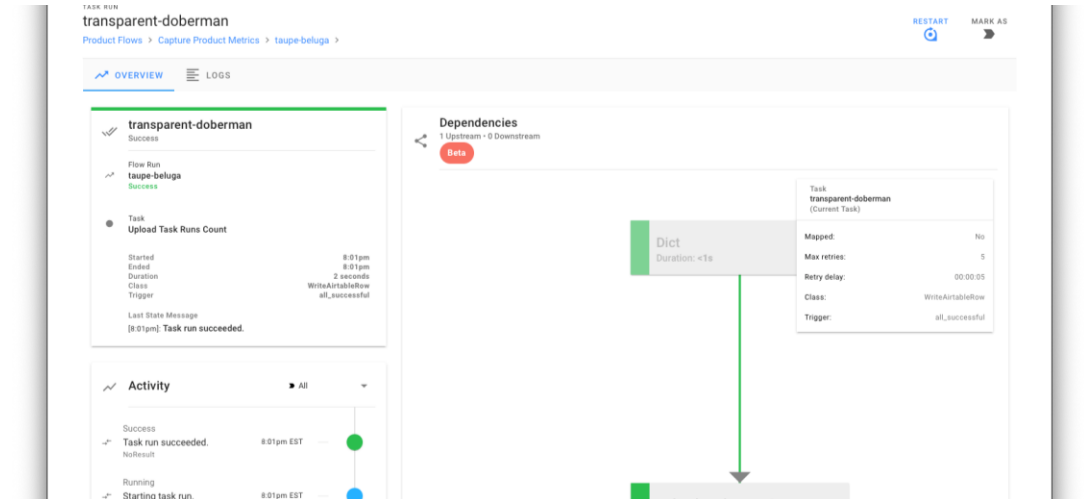
Apache  
**Airflow**



**PREFECT**

# An Intuitive UI for Job and State Management

- Data orchestration framework provides fully featured webapp.
- Gives complete control on the tasks & its state.
- Very easy to track jobs and understand dependencies.
- Need not to be developer to understand failure



# Mature Task Handling



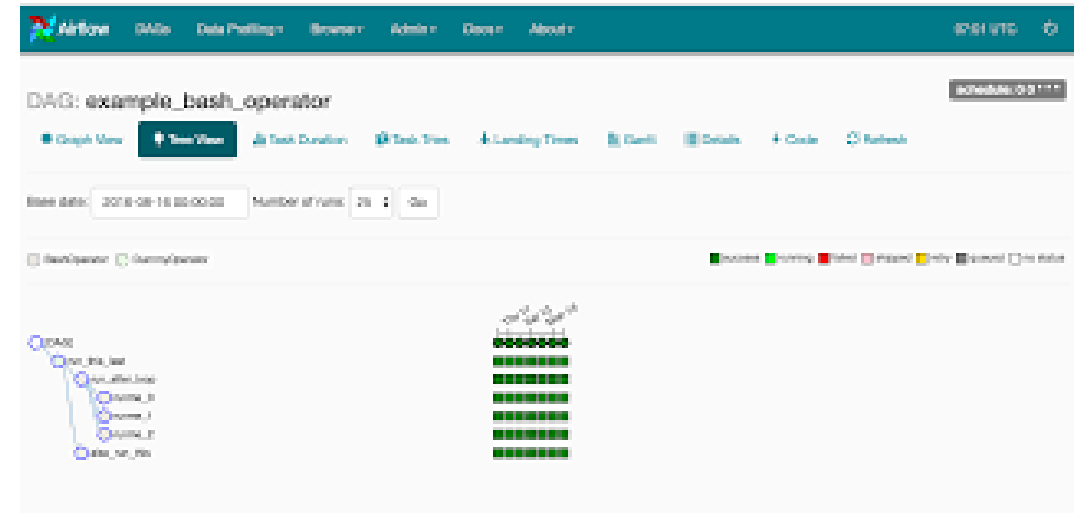
Task Retry



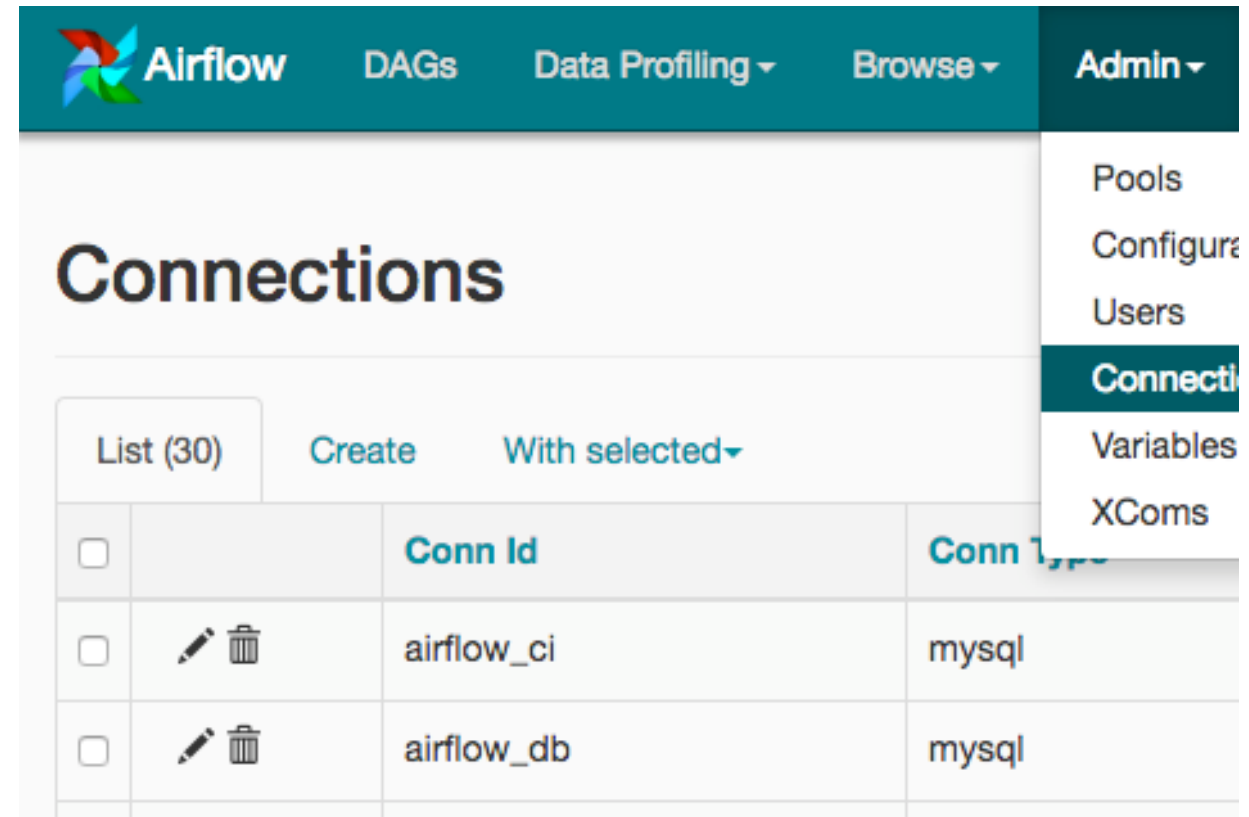
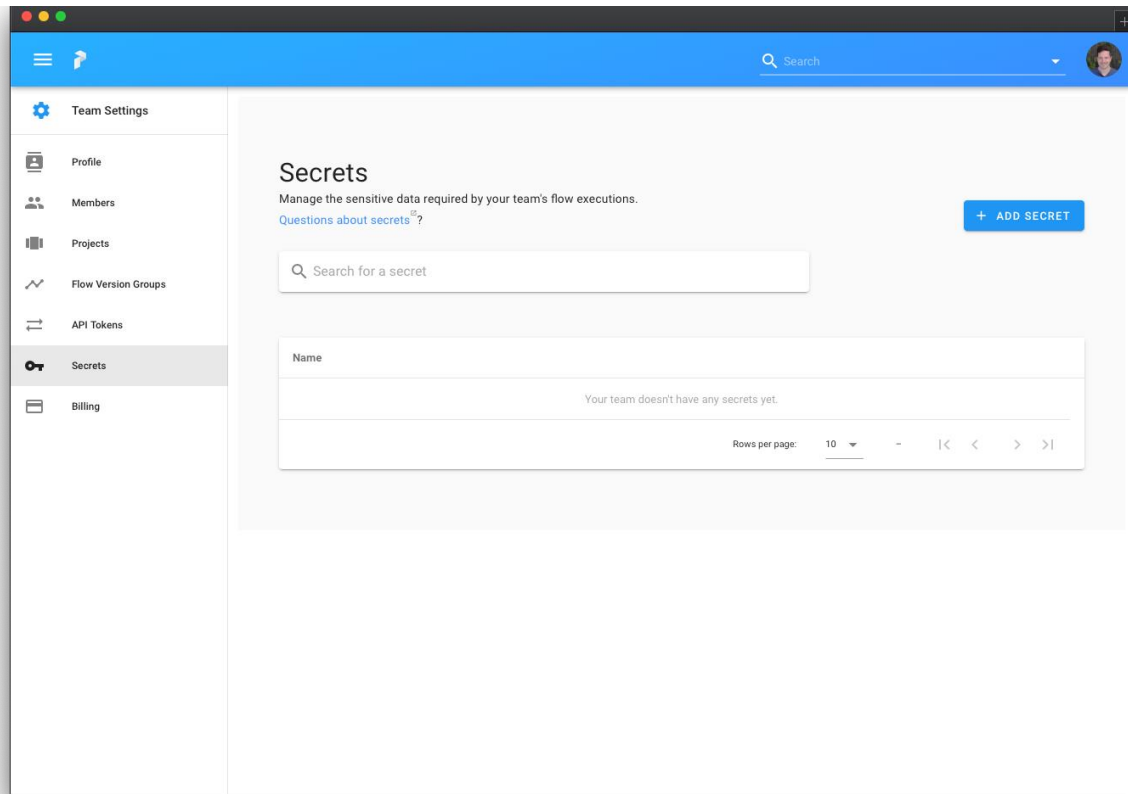
Skipping and move to  
next task



Manual and  
programmatic control

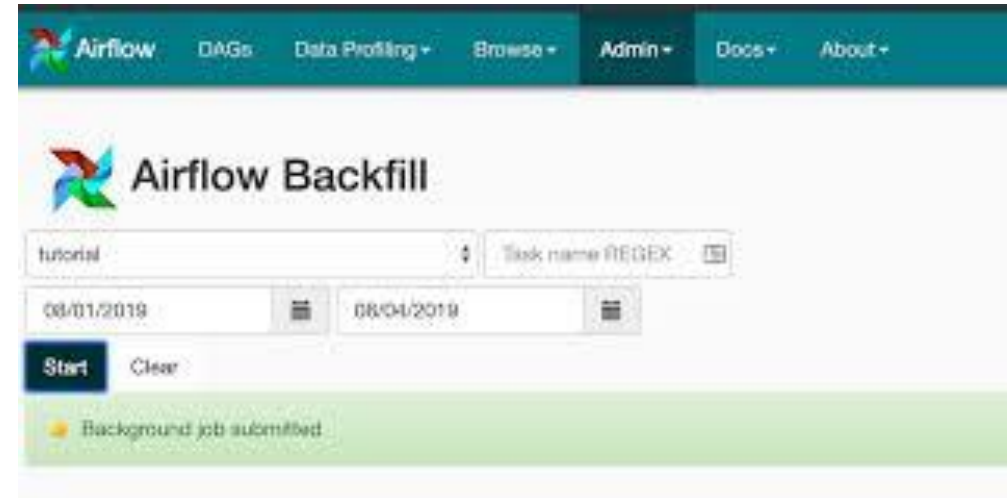


# Security & Configuration Management

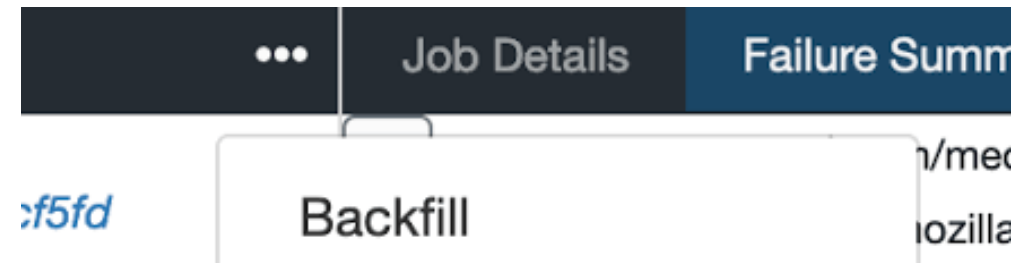


# Backfill

Performs backfill of historical  
Data

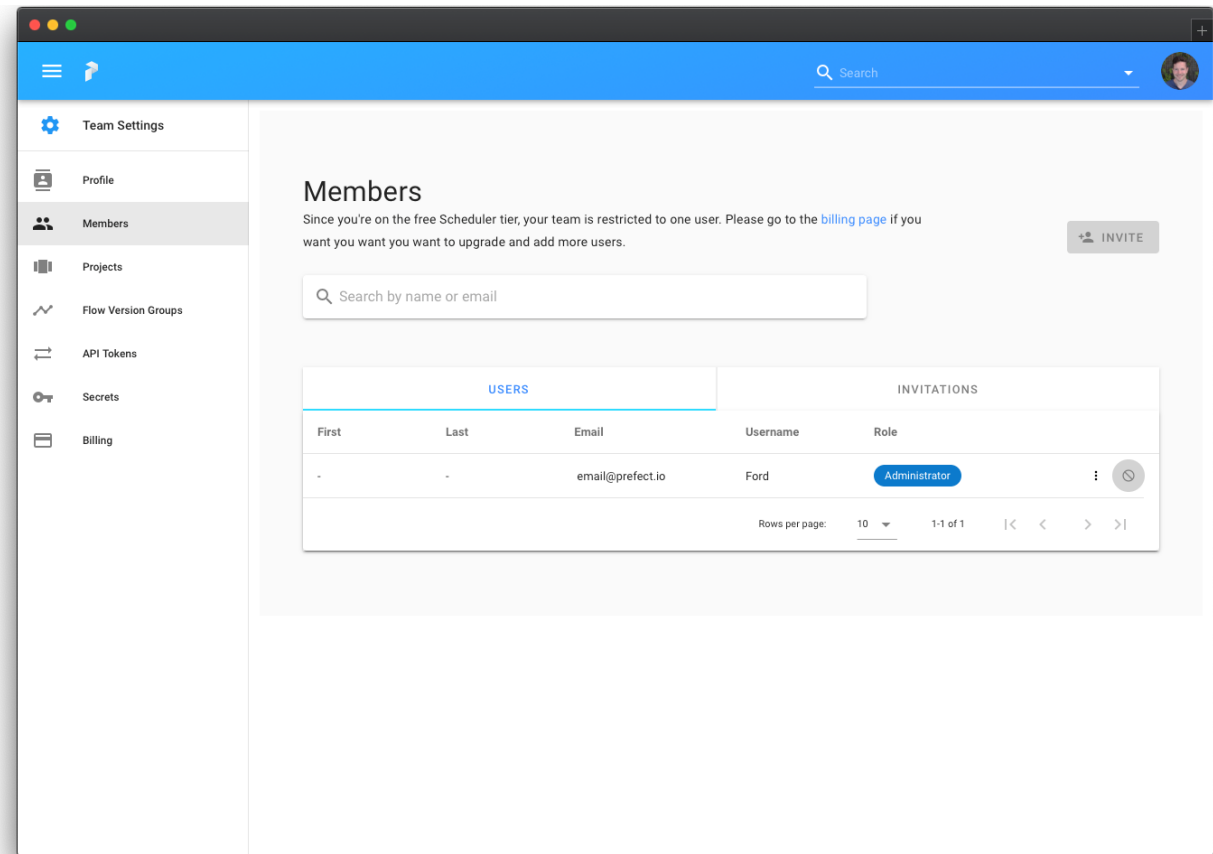


The image shows the Airflow Backfill web interface. At the top is a navigation bar with links for Airflow, DAGs, Data Profiling, Browse, Admin, Docs, and About. Below this is the 'Airflow Backfill' header. The main form contains a dropdown menu with 'tutorial' selected, a 'Task name (REGEX)' field with a calendar icon, and two date pickers showing '08/01/2019' and '08/04/2019'. There are 'Start' and 'Clear' buttons. A green banner at the bottom of the form area displays a yellow lightning bolt icon and the text 'Background job submitted'.



# User Management

- User and Access Management
- Permission management from UI



# More



Scaling Jobs



Centralized  
logging



Runtime  
environments

