

# Module 3: Orchestration & ML Pipelines



# 3.1 Introduction to Workflow Orchestration

### MLOps Workflow





#### MLOps Workflow







## "Everything fails all the time."

- Werner Vogels, AWS CTO

#### If you give an MLOps engineer a job...

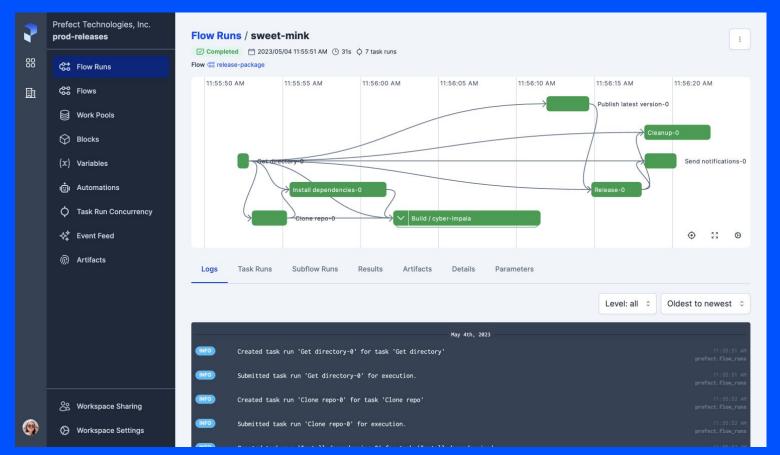
- . ?
- Could you just set up this pipeline to train this model?
- Could you set up logging?
- Could you do it every day?
- Could you make it retry if it fails?
- Could you send me a message when it succeeds?
- Could you visualize the dependencies?
- Could you add caching?
- Could you add collaborators to run ad hoc who don't code?



Orchestrate & observe your Python workflows at scale

#### Prefect UI







# Prefect provides tools for working with complex systems so you can stop wondering about your workflows



# Goal for Module 3

