

MLFlow in GCP

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What to Expect

- Goal: to learn how to use GCP's services to run MLFlow.
- How: we will run through a demo and then use the demo.

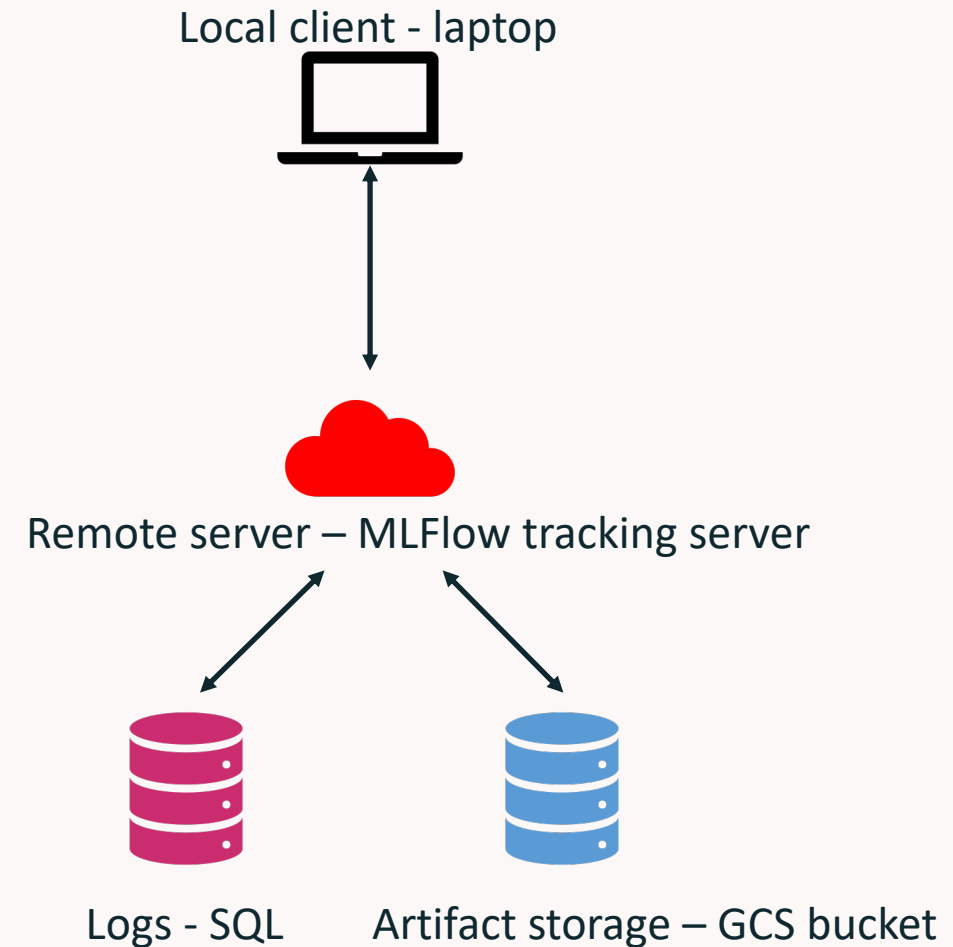
MLFlow in GCP

GCP

- Create an account and redeem coupon
- Install the gcloud CLI
- Start a project
- Initialize gcloud

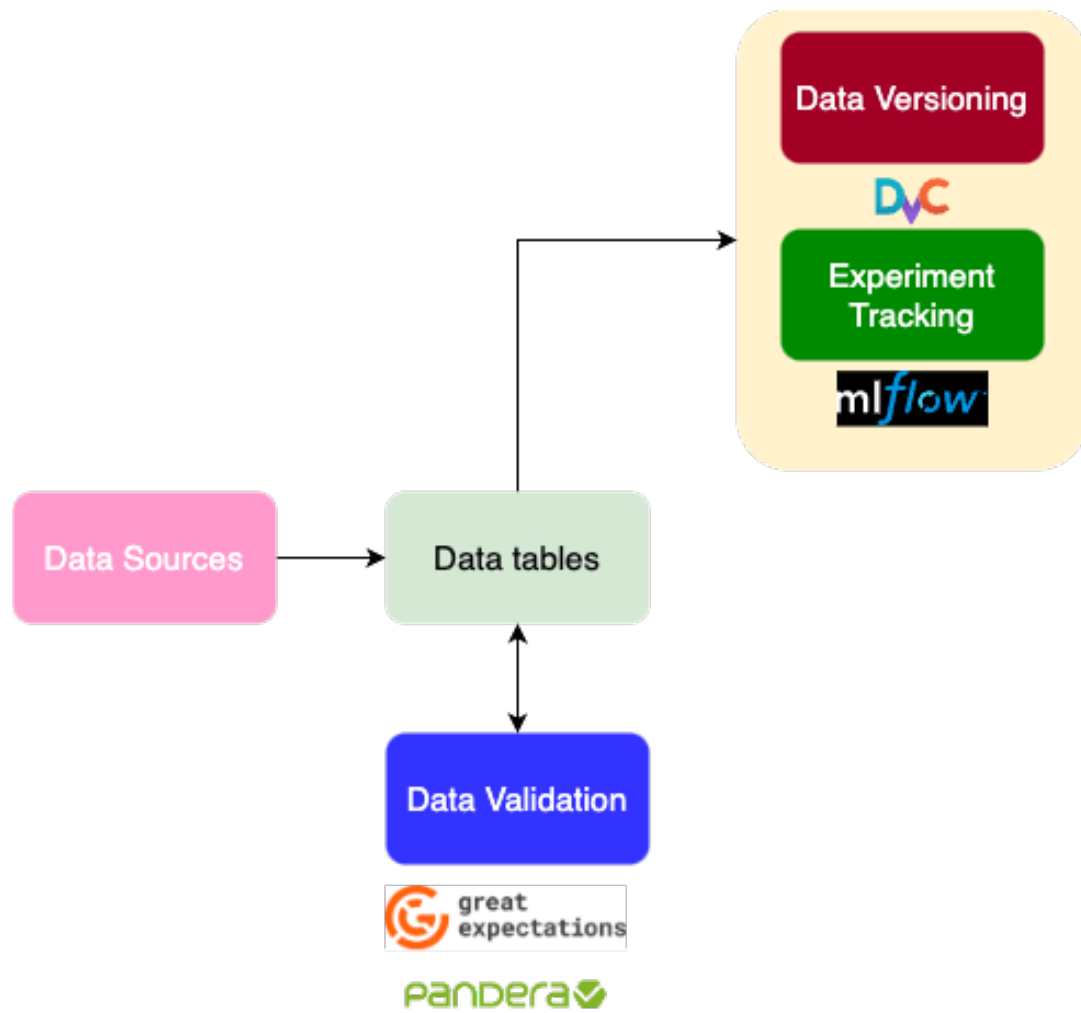
Enable Our Resources – What Do We Need

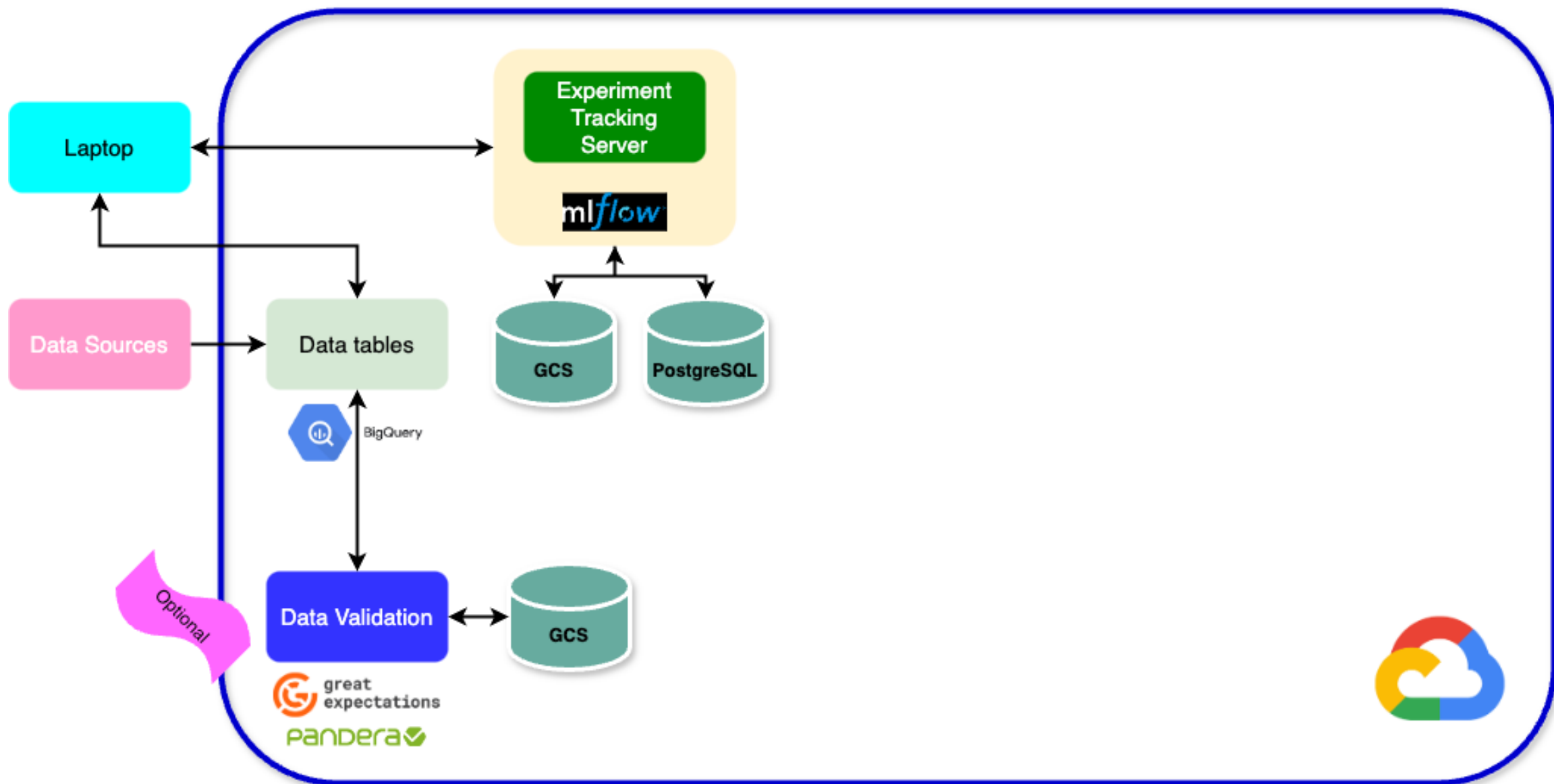
- GCS – a bucket for artifacts
- PostgreSQL – for logging parameters and metrics from the runs of our experiments
- Compute Engine of some type – for running the MLFlow Tracking Server

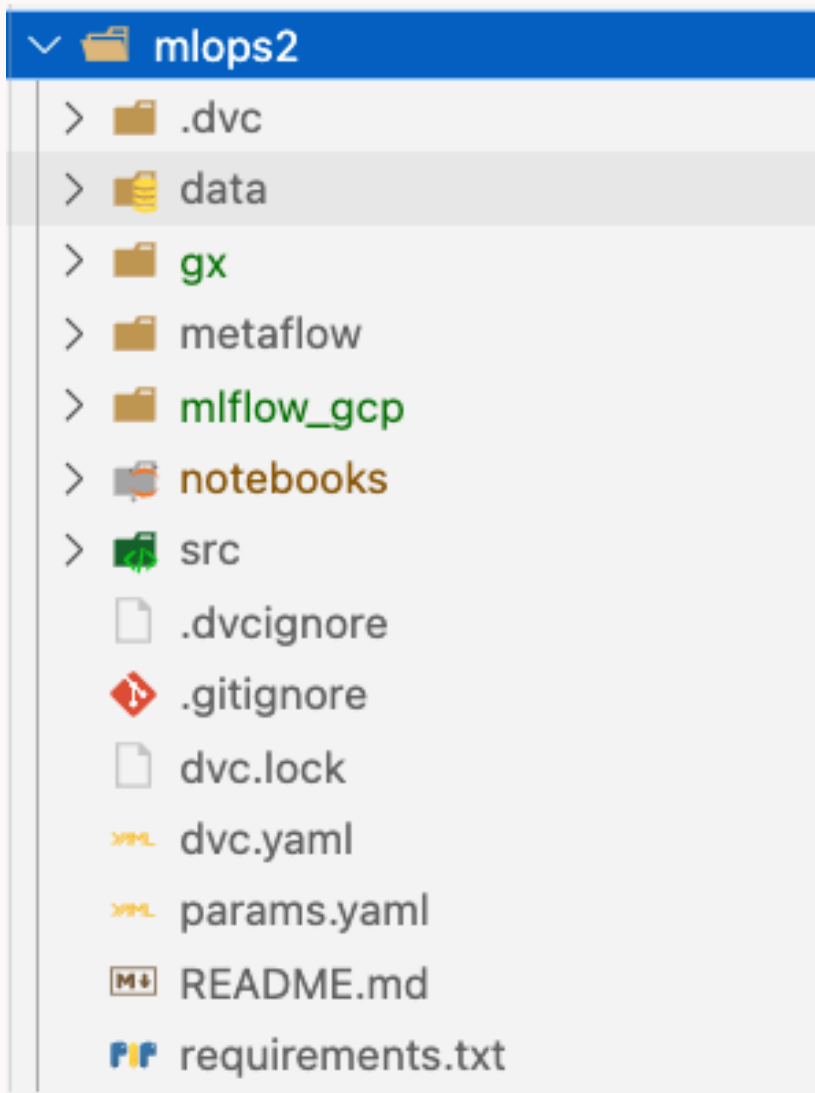


MLFlow Tracking Server – 3 Options

- Google Compute Engine – a VM where we install MLFlow and all dependencies
- Google Kubernetes Engine – docker container on a K8s cluster, might be good to try, but overkill for us
- Google Cloud Run – serverless, let Google deal with scaling







MLFlow in GCP Demo

MLFlow in GCP Lab