# Managing and Monitoring Workflows



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#### Overview

Setting Airflow and environment variables

Copying files with GCS operators

Sending emails with SendGrid

SQL queries and CRUD operations with BigQuery

**Dataproc Hadoop operators** 

**Use Airflow variables** 

Copy files from one GCS bucket to another

Delete DAGs and Composer environment

Use SendGrid email integration in Airflow

Complex pipeline integrating BQ, GCS, and SendGrid email notifications

Use Dataproc Hadoop operators in Composer

## Summary

Setting Airflow and environment variables

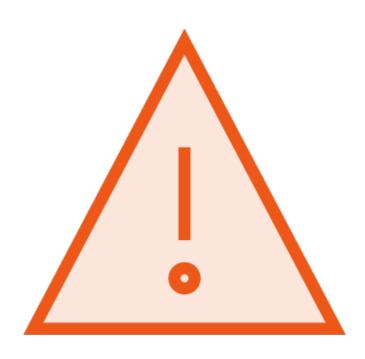
Copying files with GCS operators

Sending emails with SendGrid

SQL queries and CRUD operations with BigQuery

**Dataproc Hadoop operators** 

#### Delete Resources

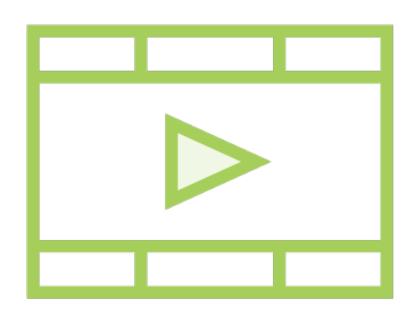


**Airflow environments** 

**VM** instances

**Cloud Storage buckets** 

## Related Courses



Architecting Serverless Big Data Solutions Using Google Dataflow