Training: Google Cloud
# Agent Platform for Machine Learning Practitioners

Google Cloud

## TRAINING GOALS:

This instructor-led one-day course is designed for engineers and data scientists familiar with machine learning models who want to become proficient in using Agent Platform for custom model workflows. This practical, hands-on course will provide you with a deep dive into the core functionalities of Agent Platform, enabling you to effectively leverage its tools and capabilities for your ML projects.

**What you'll learn**:

- Understand the key components of Agent Platform and how they work together to support your ML workflows.
- Configure and launch Agent Platform Custom Training and Hyperparameter Tuning Jobs to optimize model performance.
- Organize and version your models using Agent Platform Model Registry for easy access and tracking.
- Configure serving clusters and deploy models for online predictions with Agent Platform Endpoints.
- Operationalize and orchestrate end-to-end ML workflows with Agent Platform Pipelines for increased efficiency and scalability.
- Configure and set up monitoring on deployed modelsAudience AI practitioners, security professionals, and cloud architects.

**Audience**

Machine Learning Engineers, Data Scientists.

**Products**

- Gemini Enterprise Agent Platform Workbench
- Gemini Enterprise Agent Platform Managed Training
- Gemini Enterprise Agent Platform Pipelines
- Model Monitoring on Gemini Enterprise Agent Platform



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## CONSPECT:

- Module 1 - Training, Tuning, and Deploying Models on Agent Platform
  - Objectives:
    - Understand Containerized Training Applications
    - Understand Agent Platform Custom Training and Tuning Jobs
    - Understand how to track and version your trained models in Agent Platform Model Registry
    - Understand Online Deployment with Agent Platform Endpoints
- Module 2 - Orchestrating end-to-end Workflows with Agent Platform Pipelines
  - Objectives:
    - Understand Kubeflow
    - Understand pre-built and lightweight Python components
    - Understand how to compile and execute pipelines on Agent Platform
- Module 3 - Model Monitoring on Agent Platform
  - Objectives:
    - Understand Feature Drift and Skew
    - Understand Model Monitoring for models deployed to Agent Platform Endpoints

## REQUIREMENTS:

Experience building and training custom ML models. Familiar with Docker.

## Difficulty level



## CERTIFICATE:

The participants will obtain certificates signed by Google Cloud (course completion).

## TRAINER:

Authorized Google Cloud Trainer



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