

Agent Platform for Machine Learning Practitioners

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.

**DURATION**

1 day

**LEVEL**

200 - Intermediate

**FORMAT**

Instructor-led

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 models

Overview	3 lectures, 5 hands-on labs
Who this course is for	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
Prerequisites	Experience building and training custom ML models. Familiar with Docker.

Module 01 [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
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Module 02 [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
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Module 03 [Model Monitoring on Agent Platform](#)

Objectives	- Understand Feature Drift and Skew - Understand Model Monitoring for models deployed to Agent Platform Endpoints
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