

Course : Vertex AI for Machine Learning Practitioners

Official Course: Preparation for Google Cloud Certification Exams

Practical course - 1d - 7h00 - Ref. GVM

Price : 990 € E.T.

NEW

In this course, you'll learn how to use Vertex AI to design, train, deploy, and monitor machine learning models in the cloud, as well as how to orchestrate end-to-end ML workflows with Vertex AI Pipelines.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Understand the key components of Vertex AI and their role in machine learning workflows.
- ✓ Configure and run custom training and hyperparameter tuning tasks with Vertex AI.
- ✓ Organize, version, and track models using the Vertex AI Model Registry.
- ✓ Configure service clusters and deploy models for online predictions.
- ✓ Deploy and orchestrate end-to-end ML workflows with Vertex AI Pipelines.
- ✓ Configure and enable monitoring of deployed models.

Intended audience

Machine Learning Engineers

Prerequisites

Experience in creating and training custom machine learning models.

Practical details

Teaching methods

The training is conducted in French. Official course materials are available in digital format and in English.

Course schedule

PARTICIPANTS

Machine Learning Engineers

PREREQUISITES

Experience in creating and training custom machine learning models.

TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

ASSESSMENT TERMS

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

TERMS AND DEADLINES

1 Training, fine-tuning, and deploying models on Vertex AI

- Understanding containerized training applications.
- Understanding Custom Training and Tuning Jobs on Vertex AI.
- Track and version the trained models in the Vertex AI Model Registry.
- Understanding Online Deployment with Vertex AI Endpoints.

2 End-to-End Workflow Orchestration with Vertex AI Pipelines

- Understanding Kubeflow concepts.
- Use predefined, lightweight Python components.
- Compile and run pipelines on Vertex AI.

3 Model Monitoring with Vertex AI

- Understanding feature drift and distribution skew.
- Set up monitoring for models deployed on Vertex AI Endpoints.

Registration must be completed 24 hours before the start of the training course.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: psh-accueil@orsys.fr so that we can assess your request and its feasibility.

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Dates and locations

REMOTE CLASS

2026 : 4 Dec.

2027 : 16 Mar., 21 May, 1 Sep., 30 Nov.

PARIS LA DÉFENSE

2027 : 16 Mar., 21 May, 1 Sep., 30 Nov.