
Google Vertex AI for Machine Learning Practitioners

Cursusduur: 1 Dag Cursuscode: GO9091 Trainingsmethode: Maatwerk

Beschrijving:

Learn how to build, deploy, and manage machine learning models using Google Vertex AI.

This practical, hands-on course will provide you with a deep dive into the core functionalities of Vertex AI, enabling you to effectively leverage its tools and capabilities for your ML projects.

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Maatwerk

Global Knowledge biedt zowel standaard- als maatwerk cursussen die zijn afgestemd op uw wensen en die als besloten cursus op uw eigen locatie of onze locatie gevolgd kunnen worden.

Doelgroep:

- Machine Learning Engineers, Data Scientists

Doelstelling:

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| <ul style="list-style-type: none">■ By the end of the course, learners will be able to:■ Understand the key components of Vertex AI and how they work together to support ML workflows.■ Configure and launch Vertex AI Custom Training and Hyperparameter Tuning jobs to optimize model performance.■ Organize and version models using Vertex AI Model Registry for easy access and tracking. | <ul style="list-style-type: none">■ Configure serving clusters and deploy models for online predictions with Vertex AI Endpoints.■ Operationalize and orchestrate end-to-end ML workflows with Vertex AI Pipelines for increased efficiency and scalability.■ Configure and set up monitoring on deployed models. |
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Vereiste kennis en vaardigheden:

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

Examens en certificering

None

Vervolg cursussen:

None recommended

Cursusinhoud:

Module 1: Training, Tuning, and Deploying Models on Vertex AI

- Understand Containerized Training Applications
- Understand Vertex AI Custom Training and Tuning Jobs
- Understand how to track and version your trained models in the Vertex AI Model Registry
- Understand Online Deployment with Vertex AI Endpoints

Module 2: Orchestrating End-to-End Workflows with Vertex AI Pipelines

- Understand Kubeflow
- Understand pre-built and lightweight Python components
- Understand how to compile and execute pipelines on Vertex AI

Module 3: Model Monitoring on Vertex AI

- Understand Feature Drift and Skew
- Understand Model Monitoring for models deployed to Vertex AI Endpoints

Extra informatie:

Official course book provided to participants

Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

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