

Google Vertex AI for Machine Learning Practitioners

Cursusduur: 1 Dag Cursuscode: GO9091 Trainingsmethode: Virtual Learning

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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Virtueel en Klassikaal™

Virtueel en Klassikaal™ is een eenvoudig leerconcept en biedt een flexibele oplossing voor het volgen van een klassikale training. Met Virtueel en Klassikaal™ kunt u zelf beslissen of u een klassikale training virtueel (vanuit huis of kantoor) of fysiek op locatie wilt volgen. De keuze is aan u! Cursisten die virtueel deelnemen aan de training ontvangen voor aanvang van de training alle benodigde informatie om de training te kunnen volgen.

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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