

Google Vertex AI for Machine Learning Practitioners

Varighed: 1 Day Kursus Kode: GO9091 Leveringsmetode: Virtuel deltagelse

Beskrivelse:

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.

Updated 11/3/2026

Virtuel deltagelse

Et V&C Select kursus indholder nøjagtig det samme som et almindeligt kursus. Før kursusstart modtager man kursusmaterialet. Dernæst logger man på kurset via internettet og ser via sin pc den selvsamme præsentation som de øvrige deltagere, man kommunikerer via chat med underviseren og de øvrige deltagere på kurset. Denne uddannelsesmodel er både tids-og omkostningsbesparende og kan være et oplagt alternativ til almindelig klasseundervisning, hvis man f.eks. har et begrænset rejsebudget.

Målgruppe:

- Machine Learning Engineers, Data Scientists

Agenda:

- **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.
- 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.

Forudsætninger:

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

Test og certificering

None

Yderligere Kurser:

None recommended

Indhold:

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

Additional Information:

Official course book provided to participants

Flere Informationer:

For yderligere informationer eller booking af kursus, kontakt os på tlf.nr.: 44 88 18 00

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