Introduction to Developer Efficiency on Google Cloud

Cursusduur: 1 Dag Cursuscode: GO8340 Trainingsmethode: Virtual Learning

Beschrijving:

Generative AI is now at the center of transforming how software is designed, built, run, and managed. For developers, generative AI is a powerful tool for making coding more efficient and using APIs, such as the Gemini and PaLM APIs, within their applications.

In this course, you are introduced to how generative AI can be used to make developers more efficient at writing code and implementing new features into applications. You will also explore available models in Vertex AI Model Garden.

Updated Sept. 2026

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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:

- Developers

Doelstelling:

- **After this course participants should be able to:**
- Describe efficiency challenges that developers face.
- Understand how AI-powered tools on Google Cloud can improve developer efficiency.
- Describe developer workflows when using large language models (LLMs).
- Use Gemini Code Assist to more efficiently write code for your applications.
- Use Gemini in Google Cloud to quickly summarize your application logs.
- Explain the fundamentals of prompt design when using Gemini Code Assist.
- Use the Vertex AI Gemini API, PaLM API, and Codey for code generation.
- Integrate Codey into applications by using the API.
- Fine-tune Codey for specific use cases.
- Understand the role of Vertex AI Model Garden.
- Explore models available in Vertex AI Model Garden.

Vereiste kennis en vaardigheden:

- Google Cloud Fundamentals: Core Infrastructure or equivalent Google Cloud experience.

Examens en certificering

None

Vervolgcursussen:

- GO9094 - Introduction to Data Analytics on Google Cloud

Cursusinhoud:

1- Developer Efficiency on Google Cloud

- Developer workflows and efficiency challenges
- Developer efficiency on Google Cloud
- AI-powered developer tools on Google Cloud
- Developer workflows with LLMs

2- Using Gemini Throughout the Development Lifecycle

- Introduction to Gemini for Google Cloud
- Cloud Code and Gemini Code Assist
- Generating and completing code by using Gemini Code Assist
- Understanding logs using Gemini
- Lab: Using Gemini Throughout the Software Development Lifecycle

3- Prompt Design for Gemini

- Why prompt design is important
- General prompt design tips
- Prompt design for Gemini
- Lab: Prompt Design for Gemini Code Assist

4- Leveraging Codey in Developer Workflows

- Vertex AI Gemini and PaLM API
- Code generation and completion with Codey
- Vertex AI Studio
- Using the Codey API in your code
- Fine-tuning Codey for specific use cases
- Lab: Leveraging Codey in Your Applications

5- Discovering Model APIs Using Vertex AI Model Garden

- Vertex AI Model Garden
- Model types and solutions
- Model Registry and model deployment
- Fine-tuning models
- Lab: Exploring Vertex AI Model Ga

Nadere informatie:

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

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