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## Build AI Apps with Azure Database for PostgreSQL (AI-3019)

**Cursusduur: 1 Dag**    **Cursuscode: M-AI3019**    **Trainingsmethode: Virtual Learning**

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### Beschrijving:

This learning path explores how the Azure AI and Azure Machine Learning Services integrations provided by the Azure AI extension for Azure Database for PostgreSQL - Flexible Server can enable you to build AI-powered apps.

#### Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

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### Vereiste kennis en vaardigheden:

Before starting this module, you should have experience working with PostgreSQL databases, writing SQL queries, and a general understanding of AI and ML concepts.

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## Cursusinhoud:

Module 1 Get started with generative AI in Azure Database for PostgreSQL

This module explores how to effectively use Azure Database for PostgreSQL - Flexible Server and the Azure AI extension to develop powerful Generative AI applications.

Module 2 Enable semantic search in Azure Database for PostgreSQL

This module explores semantic search, embedding vectors, vector similarity, and using Azure Database for PostgreSQL - Flexible Server with PostgreSQL Vector and Azure AI extensions to generate, store, and query rows with semantic search.

Module 3 Summarize data with Azure AI Services and Azure database for PostgreSQL

This module will examine how Azure AI Services and the Azure AI extension for Azure Database for PostgreSQL - Flexible Server enable Generative AI summarization techniques for condensing complex content into concise summaries.

Module 4 Perform sentiment analysis and opinion mining with Azure Database for PostgreSQL

This module will explore how Azure AI Services and the Azure AI extension for Azure Database for PostgreSQL - Flexible Server enable sentiment analysis and opinion mining to extract valuable insights from textual data.

Module 5 Extract insights using Azure AI Language and Azure Database for PostgreSQL

This module covers Azure AI Language tools including key phrase extraction, entity recognition, personally identifiable information recognition and redaction, and using Azure Database for PostgreSQL - Flexible Server with Azure AI to access these services.

Module 6 Translate Text with Azure AI Translator and Azure Database for PostgreSQL

This module guides you through translating textual data in Azure Database for PostgreSQL - Flexible Server using the Azure AI Translator service. You'll load data into PostgreSQL and translate it into multiple languages.

Module 7 Use Azure Machine Learning for inferencing from Azure Database for PostgreSQL

This module guides you through training and deploying an Azure Machine Learning model using automated machine learning. Then, you'll call the model directly from Azure Database for PostgreSQL - Flexible Server.

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## Nadere informatie:

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

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[www.globalknowledge.com/nl-nl/](http://www.globalknowledge.com/nl-nl/)

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