



## AI-3019: Build AI Apps with Azure Database for PostgreSQL

Microsoft - Data & AI

- **Nível:** Intermediário
  - **Duração:** 7h
- 

### Sobre o curso

**This workshop 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.**

---

### Pré-requisitos

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

---

### Programa

- Get started with generative AI in Azure Database for PostgreSQL
- Enable semantic search in Azure Database for PostgreSQL
- Summarize data with Azure AI Services and Azure database for PostgreSQL
- Perform sentiment analysis and opinion mining with Azure Database for PostgreSQL
- Extract insights using Azure AI Language and Azure Database for PostgreSQL
- Translate Text with Azure AI Translator and Azure Database for PostgreSQL
- Use Azure Machine Learning for inferencing from Azure Database for PostgreSQL

### Get started with generative AI in Azure Database for PostgreSQL

- Understand generative AI language models

- Describe the Azure AI extension
- Explore the Azure OpenAI schema
- Review the Azure Cognitive schema
- Examine the Azure Machine Learning schema

### **Enable semantic search in Azure Database for PostgreSQL**

- Understand semantic search
- Store vectors in Azure Database for PostgreSQL
- Create embeddings with the Azure AI extension
- Explore semantic search use cases

### **Summarize data with Azure AI Services and Azure database for PostgreSQL**

- Explain extractive summarization
- Explore abstractive summarization

### **Perform sentiment analysis and opinion mining with Azure Database for PostgreSQL**

- Explore sentiment analysis
- Describe opinion mining

### **Extract insights using Azure AI Language and Azure Database for PostgreSQL**

- Extract key phrases
- Recognize entities

- Recognize personally identifiable information (PII) entities

### **Translate Text with Azure AI Translator and Azure Database for PostgreSQL**

- Explore the Azure AI Translator Service
- Translate data in Azure Database for PostgreSQL

### **Use Azure Machine Learning for inferencing from Azure Database for PostgreSQL**

- Explore Azure Machine Learning
- Invoke Azure Machine Learning models