

MDAI-18 - MOC DP-420T00 - BUILD AI APPLICATIONS WITH AZURE COSMOS DB

Categoria: **Data & AI**

INFORMAZIONI SUL CORSO



Durata:
4 Giorni



Categoria:
Data & AI



Qualifica Istruttore:
Microsoft Certified
Trainer



Dedicato a:
Professionista IT



Produttore:
Microsoft

OBIETTIVI

This course teaches developers how to create application using the NoSQL API and SDK for Azure Cosmos DB. Students will learn how to design, build, and optimize high-performance, scalable AI applications with Azure Cosmos DB.

PREREQUISITI

Before attending this course, students must:

- Be familiar with C#, Python, Java, or JavaScript.
- Have experience writing code that interacts with a SQL or NoSQL database platform.

CONTENUTI

Design and develop Azure Cosmos DB database solutions

- Explore Azure Cosmos DB for NoSQL
- Configure resources, throughput, and consistency
- Connect to Azure Cosmos DB with the SDK
- Implement Azure Cosmos DB operations with the SDK
- Query data in Azure Cosmos DB for NoSQL
- Design a data modeling and partitioning strategy
- Process the Azure Cosmos DB for NoSQL change feed
- Implement AI-assisted development tools for Azure Cosmos DB

Secure, optimize, and deploy Azure Cosmos DB solutions

- Secure an Azure Cosmos DB solution
- Configure backup and restore in Azure Cosmos DB
- Design multi-region availability and failover in Azure Cosmos DB
- Design and optimize an indexing strategy in Azure Cosmos DB
- Analyze and tune query and operation performance in Azure Cosmos DB
- Monitor and troubleshoot Azure Cosmos DB
- Manage Azure Cosmos DB at scale with fleets

Implement AI and analytics capabilities in Azure Cosmos DB

- Implement full-text and vector search in Azure Cosmos DB for NoSQL
- Implement hybrid search and optimize AI retrieval in Azure Cosmos DB for NoSQL
- Build RAG applications with Azure Cosmos DB for NoSQL
- Design and implement agent memory stores in Azure Cosmos DB
- Implement operational analytics with Microsoft Fabric

INFO

Esame: DP-420 - Building AI Applications with Azure Cosmos DB

Materiale didattico: Materiale didattico ufficiale Microsoft in formato digitale

Costo materiale didattico: incluso nel prezzo del corso a Calendario

Natura del corso: Operativo (previsti lab su PC)