

Microsoft Fabric : Databases

Course Description

This two-day program provides a practical introduction to Microsoft Fabric Databases, focusing on SQL and CosmosDB integration, management, and application development. Participants will learn how to build scalable data solutions, leverage autonomous capabilities, integrate with Fabric services, and deliver AI-driven applications. The course emphasizes hands-on labs to ensure learners can design, monitor, and migrate databases effectively within Microsoft Fabric.

Duration

1 days(8 hours) OR 2 Days(4 hours)

Prerequisites

- Basic knowledge of SQL and relational databases
- Familiarity with cloud services and data platforms
- Exposure to ETL/ELT concepts and application development workflows
- Optional: experience with CI/CD pipelines and Git integration

Day 1 (4 hours)

Module 1: Introduction to Fabric Databases

- Overview of Microsoft Fabric Databases
- Copilot for Fabric Databases

Module 2: SQL database in Microsoft Fabric

- Introduction to SQL database in Microsoft Fabric
- Load and query data
- Integration with Fabric services
- Application lifecycle management with SQL database in Microsoft Fabric
- Autonomous capabilities to manage your workloads
- Build AI apps with SQL database in Microsoft Fabric
- Monitor SQL database in Microsoft Fabric

- Secure and governed by default

Hands on labs

- Use Case 1 – Build scalable data solutions with SQL database in Microsoft Fabric
- Use Case 2 – Build a Supply Chain Disruption Response App using SQL database in Microsoft Fabric

Day 2 (4 hours)

Module 3: CosmosDB in Microsoft Fabric

- Introduction to CosmosDB in Microsoft Fabric
- Integration with Fabric services
- Manage Cosmos DB resources
- CI/CD for Cosmos DB in Microsoft Fabric
- Build AI apps with Cosmos DB in Microsoft Fabric
- Monitor Cosmos DB in Microsoft Fabric
- Secure and governed by default

Module 4: Migrate your databases to Microsoft Fabric

- Use Mirroring for near real-time replication of databases to OneLake

Hands on labs

- Use Case 3 – Build a Real-Time Insights App with Cosmos DB in Microsoft Fabric