Develop data-driven applications by using Azure SQL Database (DP-3020)

ID DP-3020 **Price** CHF 870.—(excl. VAT) **Duration** 1 days

Prerequisites

- Experience with relational databases.
- Basic knowledge of security concepts like identities and permissions.
- Experience using the Azure portal to create resources and set permissions.

Course Content

Get started with Azure SQL Database for modern application development

- Introduction
- Explain deployment options
- Explore Hyperscale capabilities
- Understand the serverless compute tier
- Enable application resilience with Azure SQL Database
- Understand AI capabilities for Azure SQL Database
- Exercise: Enable application resilience with Azure SQL Database
- Module assessment
- Summary

Develop for Azure SQL Database

- Introduction
- Create and configure an Azure SQL Database
- Use SQL Database Projects
- Build and deploy database projects in GitHub Actions and Azure DevOps
- Secure and monitor Continuous Integration and Continuous Deployment (CI/CD)
- Exercise: Configure and deploy CI/CD pipelines for Azure SQL Database projects
- Module assessment
- Summary

Develop a data API for Azure SQL Database

- Introduction
- Explore Data API Builder for Azure SQL Database
- Develop a data API using Azure Static Web Apps
- Develop a data API using Azure Web App for Containers
- Exercise: Develop a Data API for Azure SQL Database
- Module assessment
- Summary

Explore data manipulation options in Azure SQL Database

- Introduction
- Use RESTful endpoints to import data to Azure SQL Database
- Manipulate data in Azure SQL Database with Azure Functions
- Understand the data movement tools available
- Exercise: Import and export data for development in Azure SQL Database
- Module assessment
- Summary

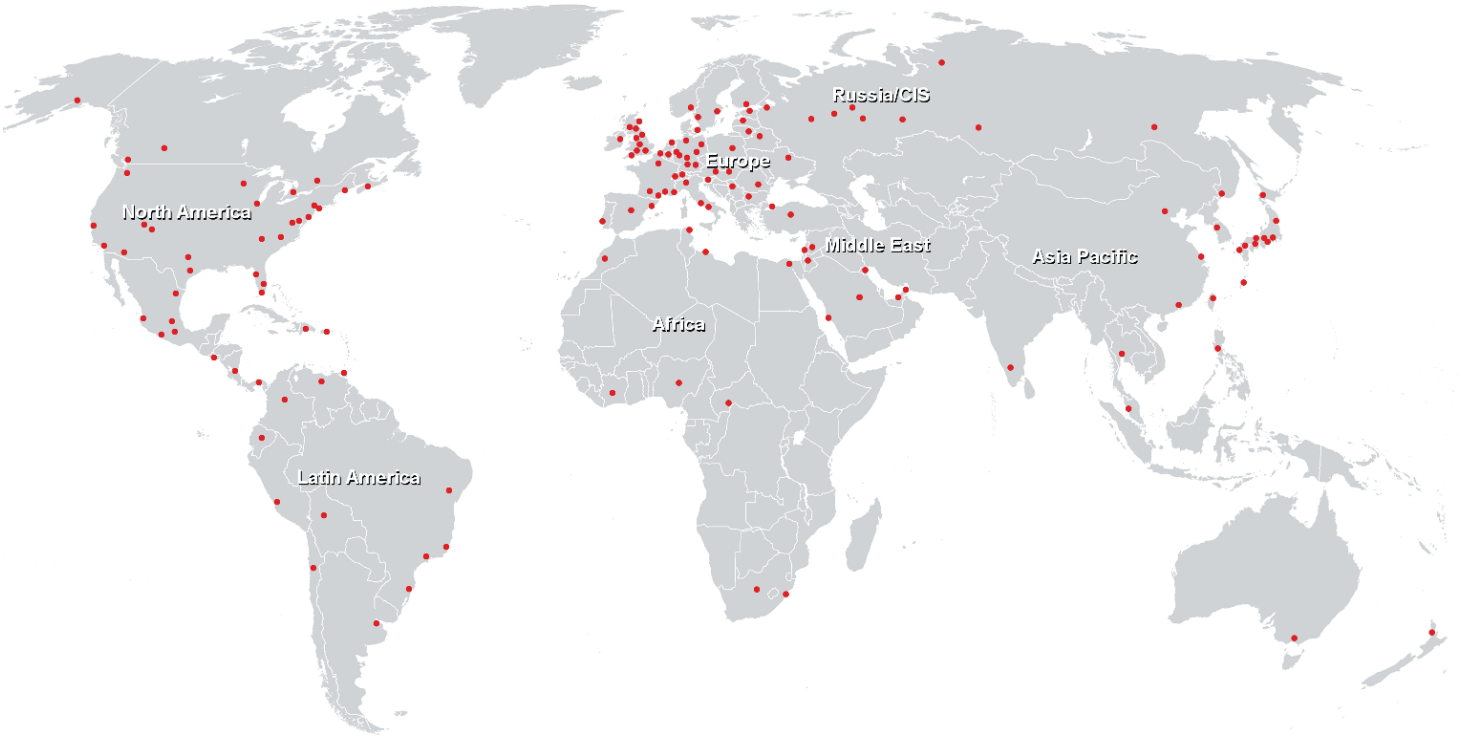
Explore security practices for Azure SQL Database

- Introduction
- Explore authentication methods
- Configure managed identity
- Understand firewall rules
- Explore advanced data security
- Exercise: Configure managed identity for Azure SQL Database
- Module assessment
- Summary

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Microsoft Cloud Training Services

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Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3
CH-8304 Wallisellen
Tel. +41 44 832 50 80

info@flane.ch, https://www.flane.ch