

Develop data-driven applications by using Azure SQL Database

Course Outline

1. 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

2. 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

3. 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

4. Explore data manipulation options in Azure SQL Database

- Introduction
- Use RESTful endpoints to import data to Azure SQL Database