DP-3020 Develop data-driven applications with Azure SQL Database

Category: AI, Data & Analytics | **Vendor:** Microsoft Technical

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Microsoft Applied Skills: Develop data-driven applications with Azure SQL Database
Related Exam:	DP-3020

Course Overview

This learning path prepares you for the task of developing data-driven applications by using Microsoft Azure SQL Database. You'll learn how to create and configure an Azure SQL Database, build and deploy database projects using GitHub Actions and Azure Pipelines, and automate the publishing process. Additionally, you'll explore how to use Data API builder for Azure SQL Database and develop a data API with Azure Web Apps and Static Web App. Furthermore, you'll gain skills in importing data via an external REST endpoint, exporting data using an Azure Function, and securing an Azure SQL Database. These essential skills will empower you to effectively develop and manage applications using Azure SQL Database.

About This Course

This learning path prepares you for the task of developing data-driven applications by using Microsoft Azure SQL Database. You'll learn how to create and configure an Azure SQL Database, build and deploy database projects using GitHub Actions and Azure Pipelines, and automate the publishing process. Additionally, you'll explore how to use Data API builder for Azure SQL Database and develop a data API with Azure Web Apps and Static Web App. Furthermore, you'll gain skills in importing data via an external REST endpoint, exporting data using an Azure Function, and securing an Azure SQL Database. These essential skills will empower you to effectively develop and manage applications using Azure SQL Database.

Who Should Attend

- Developer
- Solution Architect

Prerequisites & Entry Requirements

General 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.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Course ObjectivesUnderstand deployment options and Hyperscale features in Azure SQL Database.Learn to build resilient, serverless applications with Azure SQL Database.Develop and deploy CI/CD pipelines for database projects in GitHub Actions and Azure DevOps.Create data APIs for Azure SQL Database using Data API Builder and Azure web apps.Implement robust security practices, including managed identities and firewall rules, in Azure SQL Database., Course ObjectivesUnderstand deployment options and Hyperscale features in Azure SQL Database.Learn to build resilient, serverless applications with Azure SQL Database.Develop and deploy CI/CD pipelines for database projects in GitHub Actions and Azure DevOps.Create data APIs for Azure SQL Database using Data API Builder and Azure web apps.Implement robust security practices, including managed identities and firewall rules, in Azure SQL Database., Course ObjectivesUnderstand deployment options and Hyperscale features in Azure SQL Database.Learn to build resilient, serverless applications with Azure SQL Database.Develop and deploy CI/CD pipelines for database projects in GitHub Actions and Azure DevOps.Create data APIs for Azure SQL Database using Data API Builder and Azure web apps.Implement robust security practices, including managed identities and firewall rules, in Azure SQL Database., Course ObjectivesUnderstand deployment options and Hyperscale features in Azure SQL Database.Learn to build resilient, serverless applications with Azure SQL Database.Develop and deploy CI/CD pipelines for database projects in GitHub Actions and Azure DevOps.Create data APIs for Azure SQL Database using Data API Builder and Azure web apps.Implement robust security practices, including managed identities and firewall rules, in Azure SQL Database., Course ObjectivesUnderstand deployment options and Hyperscale features in Azure SQL Database.Learn to build resilient, serverless applications with Azure SQL Database.Develop and deploy CI/CD pipelines for database projects in GitHub Actions and Azure DevOps.Create data APIs for Azure SQL Database using Data API Builder and Azure web apps.Implement robust security practices, including managed identities and firewall rules, in Azure SQL Database., Course ObjectivesUnderstand deployment options and Hyperscale features in Azure SQL Database.Learn to build resilient, serverless applications with Azure SQL Database.Develop and deploy CI/CD pipelines for database projects in GitHub Actions and Azure DevOps.Create data APIs for Azure SQL Database using Data API Builder and Azure web apps.Implement robust security practices, including managed identities and firewall rules, in Azure SQL Database., Course ObjectivesUnderstand deployment options and Hyperscale features in Azure SQL Database.Learn to build resilient, serverless applications with Azure SQL Database.Develop and deploy CI/CD pipelines for database projects in GitHub Actions and Azure DevOps.Create data APIs for Azure SQL Database using Data API Builder and Azure web apps.Implement robust security practices, including managed identities and firewall rules, in Azure SQL Database., Course ObjectivesUnderstand deployment options and Hyperscale features in Azure SQL Database.Learn to build resilient, serverless applications with Azure SQL Database.Develop and deploy CI/CD pipelines for database projects in GitHub Actions and Azure DevOps.Create data APIs for Azure SQL Database using Data API Builder and Azure web apps.Implement robust security practices, including managed identities and firewall rules, in Azure SQL Database., Course ObjectivesUnderstand deployment options and Hyperscale features in Azure SQL Database.Learn to build resilient, serverless applications with Azure SQL Database.Develop and deploy CI/CD pipelines for database projects in GitHub Actions and Azure DevOps.Create data APIs for Azure SQL Database using Data API Builder

and Azure web apps.Implement robust security practices, including managed identities and firewall rules, in Azure SQL Database., Course ObjectivesUnderstand deployment options and Hyperscale features in Azure SQL Database.Learn to build resilient, serverless applications with Azure SQL Database.Develop and deploy CI/CD pipelines for database projects in GitHub Actions and Azure DevOps.Create data APIs for Azure SQL Database using Data API Builder and Azure web apps.Implement robust security practices, including managed identities and firewall rules, in Azure SQL Database., Course ObjectivesUnderstand deployment options and Hyperscale features in Azure SQL Database.Learn to build resilient, serverless applications with Azure SQL Database.Develop and deploy CI/CD pipelines for database projects in GitHub Actions and Azure DevOps.Create data APIs for Azure SQL Database using Data API Builder and Azure web apps.Implement robust security practices, including managed identities and firewall rules, in Azure SQL Database., Course ObjectivesUnderstand deployment options and Hyperscale features in Azure SQL Database.Learn to build resilient, serverless applications with Azure SQL Database.Develop and deploy CI/CD pipelines for database projects in GitHub Actions and Azure DevOps.Create data APIs for Azure SQL Database using Data API Builder and Azure web apps.Implement robust security practices, including managed identities and firewall rules, in Azure SQL Database.

Detailed Course Outline

1 - Get started with Azure SQL Database for modern application development

- 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

2 - Develop for Azure SQL Database

- 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)

3 - Develop a data API for Azure SQL Database

- 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

4 - Explore data manipulation options in Azure SQL Database

- 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

5 - Explore security practices for Azure SQL Database

- Explore authentication methods
- Configure managed identity
- Understand firewall rules
- Explore advanced data security

, Get started with Azure SQL Database for modern application development, Develop for Azure SQL Database, Develop a data API for Azure SQL Database, Explore data manipulation options in Azure SQL Database, Explore security practices for Azure SQL Database

□□ Certification Path

Microsoft Applied Skills: Develop data-driven applications with Azure SQL Database

Exam: DP-3020

Upcoming Schedule

Available training dates for DP-3020 Develop data-driven applications with Azure SQL Database:

Start Date	End Date	Location	Delivery	Price
16 Dec 2026	16 Dec 2026	Online	Virtual	€695.00

Frequently Asked Questions

Q: What delivery options are available for DP-3020 Develop data-driven applications with Azure SQL Database?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The DP-3020 Develop data-driven applications with Azure SQL Database course helps prepare you for the Microsoft Applied Skills: Develop data-driven applications with Azure SQL Database certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the DP-3020 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 1-day DP-3020 Develop data-driven applications with Azure SQL Database course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the DP-3020 Develop data-driven applications with Azure SQL Database training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for DP-3020 Develop data-driven applications with Azure SQL Database?

Yes, we provide corporate training, dedicated training, and closed classes for DP-3020 Develop data-driven applications with Azure SQL Database. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: DP-3020: Develop data-driven applications with Azure SQL Database, Microsoft, vILT, DP-3020

Q: Why choose Nexus Human for DP-3020 Develop data-driven applications with Azure SQL Database?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your DP-3020 Develop data-driven applications with Azure SQL Database training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

© 2026 Nexus Human. All rights reserved. This brochure was generated on 14/11/2026.