



GTech Learn

"Our focus is your Success"



Course Contents

DP-300: Implement scalable database solutions using Azure SQL

Duration: 4 days	Level: Intermediate	Role: Database Administrator
Certification: Available	Public Schedules: View Dates	Private Delivery: Reach Us

What's included?

- ✓ Learn from Microsoft Certified Trainer (MCT's)
- ✓ 24x7 Lab Access
- ✓ Official Courseware
- ✓ Exam Preps / Practice Tests
- ✓ Badges & Completion Certificate
- ✓ Discounted Exam Vouchers



Data & AI
Azure

Training Services

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Overview

This course provides students with the knowledge and skills to create a SQL Server database infrastructure for cloud, on-premises and hybrid relational databases and who work with the Microsoft PaaS relational database offerings. Additionally, it will be of use to individuals who develop applications that deliver content from SQL-based relational databases.

Audience Profile

The audience for this course is data professionals managing data and databases who want to learn about administering the data platform technologies that are available on Microsoft Azure. This course is also valuable for data architects and application developers who need to understand what technologies are available for the data platform with Azure and how to work with those technologies through applications.

Contents

Learning Path 1: Plan and implement data platform resources

- Prepare to maintain SQL Server-based databases on Azure
- Understand SQL Server running on Azure Virtual Machine
- Design SQL Database for cloud-native applications
- Azure SQL Managed Instance
- Deploy IaaS solutions with Azure SQL
- Deploy PaaS solutions with Azure SQL
- Migrate SQL Server workloads to Azure SQL Database
- Migrate SQL Server workloads to Azure SQL Managed Instance

Learning Path 2: Implement a secure environment for a database service

- Configure database authentication and authorization
- Protect data in-transit and at rest
- Implement compliance controls for sensitive data

Learning Path 3: Monitor and optimize operational resources in Azure SQL

- Describe performance monitoring
- Configure SQL Server resources for optimal performance
- Configure databases for optimal performance

Learning Path 4: Optimize query performance in Azure SQL

- Explore query performance optimization
- Explore performance-based database design
- Evaluate performance improvements

Learning Path 5: Automate database tasks for Azure SQL

- Automate database deployment
- Create and manage SQL Agent Jobs
- Manage Azure PaaS tasks by using automation

Learning Path 6: Planning and implementing a high availability and disaster recovery environment

- Describe high availability and disaster recovery strategies
- Explore IaaS and PaaS solutions for high availability and disaster recovery
- Backup and restore databases

About GTech Learn

Established in 2011 in the USA, GTech Learn is one of the leading IT training organizations in North America & South East Asia. Driven by its unique USPs, GTech Learn is spurring competition, meeting the unmet needs of customers, assisting in skills upgrade, and supplementing talent pools with its presence in the USA, Canada, Singapore and India. This is consistent with our vision to help our Learners with skills upgrade for enhanced career opportunities.







As a Microsoft Learning Partner, we offer a broad range of learning solutions across the full Microsoft technology stack that can be customized.

Since 2011, GTech Learn has been developing custom-fit learning solutions that involve creating and delivering maximum results.

We have successfully helped all types of businesses, government entities, and individuals. For this reason, GTech has chosen by Microsoft to deliver comprehensive learning programs around the globe.

With flexible learning options, state-of-the-art delivery methods, numerous language preferences, experienced instructors, and complete dedication to our students, GTech Learn has the capabilities to help students develop their Microsoft skill sets and achieve increasingly high standards of productivity while organizations of all sizes realize the full potential of their technology investments.

Our Accreditations with Microsoft

 Security Training Services	 Modern Work Training Services	 Business Applications Training Services
 Infrastructure Azure Training Services	 Digital & App Innovation Azure Training Services	 Data & AI Azure Training Services