
Professional Azure SQL Database Administration

Duration: 3 Days Course Code: LO035417

Overview:

This is a 3-day course which balances theory and hand-on applications that are focused on practical takeaways to learn Azure SQL Database. This course complies with instructional designing principles for all the 9 lessons. This will ensure that you repeat and reinforce your gained knowledge at every step. Each and every minute spent during this 3-day course will incrementally take you to a next level.

Target Audience:

This course is for database administrators, database developers, or application developers interested in developing new or migrating existing applications with Azure SQL Database.

Prior experience of working on an on-premises SQL Server, and should have knowledge of PowerShell and C# are the prerequisites for this course.

Objectives:

- If you are interested in developing new or migrating existing applications with Azure SQL Database, then this course is for you.
 - The course will provide enough knowledge of the following:
 - Provision a new Azure SQL Database or Migrate an existing on-premise SQL Server database to Azure SQL Database
 - Backup and restore Azure SQL Database
 - Secure and scale an Azure SQL Database
 - Monitor and tune an Azure SQL Database
 - Implement high availability and disaster recovery with Azure SQL Database
 - Automate common management tasks with PowerShell
 - Develop a scalable cloud solution with SQL Database
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Prerequisites:

Hardware:

For successful completion of this course, students will require computer systems with the following:

- Intel Core i5 or equivalent Processor: i3
- Memory: 8 GB RAM
- Hard disk: 20 GB
- Projector
- Internet connection

Software:

- OS: Windows 8 or above
 - Browser: Latest version of Google Chrome
 - SQL Server Management Studio 17.2 or above
 - Microsoft Azure PowerShell
 - Microsoft RML Utilities
 - Microsoft® Data Migration Assistant v3.4
 - SQL Server 2016 Feature pack
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Content:

Microsoft Azure SQL Database Primer

- Azure SQL Database Architecture

Migrating an SQL Server Database to an Azure SQL Database

- Azure SQL Database Service Tiers
- Determining an Appropriate Service Tier
- Determining Compatibility Issues
- Determining the Migration Method

Backing up the SQL Database

- Automatic Backups
- Manual Backups

Restoring an Azure SQL Database

- Restore Types

Securing an Azure SQL Database

- Access Control
- Proactive Security
- Scaling Out Azure SQL Database
- Vertical Scaling
- Horizontal Scaling

Elastic Pools

- Introducing Elastic Pools
- Elastic Jobs

High Availability and Disaster Recovery

- High Availability
- Disaster Recovery

Monitoring and Tuning Azure SQL Database

- Monitoring an Azure SQL Database Using the Azure Portal
- Tuning an Azure SQL Database

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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