

Course duration

- 3 days

Course Benefits

- Learn to provision a new Azure SQL database and migrate an existing on-premise SQL Server database to Azure SQL Database.
- Learn to back up and restore an Azure SQL Database.
- Learn to secure and scale an Azure SQL Database.
- Learn to monitor and tune an Azure SQL Database.
- Learn to implement high availability and disaster recovery with a Azure SQL database.
- Learn to automate common management tasks with PowerShell.
- Learn to develop a scalable cloud solution with SQL Database.

Available Delivery Methods

Public Class

Public expert-led online training from the convenience of your home, office or anywhere with an internet connection. Guaranteed to run .

Private Class

Private classes are delivered for groups at your offices or a location of your choice.

Course Outline

1. Microsoft Azure SQL Database Primer
 1. Azure SQL Database Architecture
2. Migrating an SQL Server Database to an Azure SQL Database
 1. Azure SQL Database Service Tiers
 2. Determining an Appropriate Service Tier
 3. Determining Compatibility Issues
 4. Determining the Migration Method
3. Backing up the SQL Database
 1. Automatic Backups
 2. Manual Backups
4. Restoring an Azure SQL Database
 1. Restore Types
5. Securing an Azure SQL Database

1. Access Control
2. Proactive Security
3. Scaling Out Azure SQL Database
4. Vertical Scaling
5. Horizontal Scaling
6. Elastic Pools
 1. Introducing Elastic Pools
 2. Elastic Jobs
7. High Availability and Disaster Recovery
 1. High Availability
 2. Disaster Recovery
8. Monitoring and Tuning Azure SQL Database
 1. Monitoring an Azure SQL Database Using the Azure Portal
 2. Tuning an Azure SQL Database

Class Materials

Each student will receive a comprehensive set of materials, including course notes and all the class examples.

Class Prerequisites

Experience in the following *is required* for this Azure class:

- Prior experience of working on an on-premises SQL Server
- Knowledge of PowerShell and C#.