



**REAL WORLD**  
TECHNOLOGY TRAINING & SOLUTIONS  
*"Training You Can Really Use"*

# DP-050T00: Migrate SQL Workloads to Azure®

**Duration: 2 Days**

**Method: Instructor-Led Training (ILT) | Live Online Training**

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## Course Description

In this course, participants will explore the objectives of data platform modernization and how it is suitable for given business requirements. They will also:

- Explore each stage of the data platform modernization process and define what tasks are involved at each stage, such as the assessment and planning phase.
- Learn the available migration tools and how they are suitable for each stage of the data migration process.
- Learn how to migrate to the three target platforms for SQL based workloads: Azure Virtual Machines, Azure SQL Databases and Azure SQL Database Managed Instances.
- Learn the benefits and limitations of each target platform and how they can be used to fulfil both business and technical requirements for modern SQL workloads.
- Explore the changes that may need to be made to existing SQL based applications so that they can make the best use of modern data platforms in Azure.

## Target Audience

This course is intended for:

- Data professionals and data architects who want to learn about migrating data platform technologies that exist on Microsoft Azure and how existing SQL based workloads can be migrated and modernized.
- Individuals who manage data platforms or develop applications that deliver content from the existing data platform technologies.



## Prerequisites

To attend this course, candidates must have:

- Fundamental knowledge of cloud computing concepts and professional experience in implementing SQL solutions.
- Worked with and maintained SQL workloads.
- Experience with Azure, such as deploying and managing resources.
- Completed the following training before attending the course:
  - *Introduction to Azure SQL (Found on Microsoft's online learning platform)*
  - *AZ-900T00/900T01: Microsoft Azure Fundamentals*

## Course Objectives

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

- Understand Data Platform Modernization.
- Choose the right tools for Data Migration.
- Migrate SQL Workloads to Azure Virtual Machines.
- Migrate SQL Workloads to Azure SQL Databases.
- Migrate SQL Workloads to Azure SQL Database Managed Instance.

## Course Topics

### Module 1: Introducing Data Platform Modernization

- Understand Data Platform Modernization
- Understanding the Stages of Migration
- Data Migration Paths

### Module 2: Choose the Right Tools for Data Migration

- Discover the Database Migration Guide
- Build Your Data Estate Inventory Using Map Toolkit
- Identify Migration Candidates Using Data Migration Assistant
- Evaluate a Data Workload Using Database Experimentation Assistant
- Data Migration Using Azure Database Migration Service
- Migrate Non-SQL Server Workloads to Azure Using SQL Migration Assistant

### Module 3: Migrating SQL Workloads to Azure Virtual Machines

- Considerations of SQL Server to Azure VM Migrations
- SQL Workloads to Azure VM Migration Options
- Implementing High Availability and Disaster Recovery Scenarios



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## Course Topics *Continued*

### Module 4: Migrate SQL Workloads to Azure SQL Databases

- Choose the Right SQL Server Instance Option in Azure
- Migrate SQL Server to Azure SQL DB Offline
- Migrate SQL Server to Azure SQL DB Online
- Load and Move Data to Azure SQL Database

### Module 5: Migrate SQL Workloads to Azure SQL Database Managed Instance

- Evaluate Migration Scenarios to SQL Database Managed Instance
- Migrate to SQL Database Managed Instance
- Load and Move Data to SQL Database Managed Instance
- Application Configuration and Optimization

## LABS INCLUDED