



Migrate SQL Server workload to Azure SQL (DP-3001)

COURSE OVERVIEW

This learning path prepares you for the task of migrating SQL Server workloads to Azure SQL Database. You'll learn how to assess SQL Server components and compatibility for migration using the Azure SQL Migration Extension and Database Migration Assistant. This training guides you through the process of provisioning and configuring Azure SQL Database resources. You gain hands-on experience in choosing the best migration option to meet business requirements for downtime, handling migration state, and monitoring database migration.

Additionally, you'll also learn to perform post-migration tasks like disaster recovery and monitoring for Azure SQL Database. These skills are essential for ensuring a smooth, efficient transition to Azure SQL Database, and maintaining its operation post-migration.

WHO WILL BENEFIT FROM THIS COURSE?

- Database Professionals
- Azure Professionals

PREREQUISITES

- Experience with SQL Server databases.
- Knowledge of SQL Server editions and versions.
- Basic knowledge of security concepts like identities and permissions.
- Experience using the Azure portal to create resources and set permissions.

COURSE OBJECTIVES

- Design a SQL Server migration strategy
- Assess SQL Server databases for migration to Azure SQL
- Deploy PaaS solutions with Azure SQL
- Configure database authentication and authorization
- Migrate SQL Server workloads to Azure SQL Database
- Perform post-migration tasks on Azure SQL

COURSE OUTLINE

Module 1: Design a SQL Server migration strategy

- In this module, you'll learn the phases of a migration and the steps involved to ensure your migration project is executed smoothly. You'll also learn the purpose of data platform modernization and see the benefits it can bring to your organization.



Module 2: Assess SQL Server databases for migration to Azure SQL

- Assessment tools such as Azure SQL Migration extension for Azure Data Studio, Azure Migrate, and Data Migration Assistant facilitate the migration of SQL Server databases to Azure.

Module 3: Deploy PaaS solutions with Azure SQL

- Provision and deploy Azure SQL Database and Azure SQL managed instance. Select the appropriate options when performing a migration to the SQL PaaS platform.

Module 4: Configure database authentication and authorization

- Contrast authentication using Microsoft Entra ID, Windows Active Directory, and SQL Server authentication. Implement various security principals and configure permissions.

Module 5: Migrate SQL Server workloads to Azure SQL Database

- You will explore different migration tools and migrate SQL Server databases to Azure SQL Database.

Module 6: Perform post-migration tasks on Azure SQL

- You'll explore different features and tools to help you maintain Azure SQL environments.

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Sunset Learning Institute (SLI) has been an innovative leader in developing and delivering authorized technical training since 1996. Our goal is to help our customers optimize their technology Investments by providing convenient, high quality technical training that our customers can rely on. We empower students to master their desired technologies for their unique environments.

What sets SLI apart is not only our immense selection of trainings options, but our convenient and consistent delivery system. No matter how complex your environment is or where you are located, SLI is sure to have a training solution that you can count on!

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- All SLI instructors have a four-year technical degree, instructor level certifications and field consulting work experience
- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012

Enhanced Learning Experience

- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

Convenient and Reliable Training Experience

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- All Sunset Learning Institute classes are guaranteed to run – you can count on us to deliver the training you need when you need it!

Outstanding Customer Service

- You will work with a dedicated account manager to suggest the optimal learning path for you and/or your team
- An enthusiastic student services team is available to answer any questions and ensure a quality training experience

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