

Migrate SQL Server workloads to Azure SQL

Courses Code: DP-3001

Duration: 1 Day

Delivery Mode: Instructor-led Training (ILT) | Virtual Instructor led Training (VILT)

Overview

This learning path prepares you for the task of migrating SQL Server workloads to Azure SQL. You'll learn how to assess SQL Server components and compatibility for migration using the Azure SQL Migration Extension and Database Migration Assistant. You'll also learn how to provision and configure Azure SQL resources. You'll 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. These skills are essential for ensuring a smooth, efficient transition to Azure SQL, and maintaining its operation post-migration.

Skills Covered

- Assess SQL Server components and compatibility for migration using tools like the Azure SQL Migration Extension and Database Migration Assistant.
- Provision and configure target Azure SQL resources (Azure SQL Database, Azure SQL Managed Instance, SQL Server on Azure VMs) based on business requirements.
- Choose the right migration strategy for minimal downtime and business continuity.
- Perform post-migration tasks such as disaster recovery configuration and monitoring of Azure SQL workloads.

Who Should Attend

- Administrator
- Database Administrator
- Data Engineer
- Developer
- Solution Architect

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 Modules

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.

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.

3. Deploy IaaS solutions with Azure SQL

Configure virtual machine sizing, storage, and networking options to ensure adequate performance for your database workloads. Choose and configure appropriate high availability options.

4. 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.

5. Migrate SQL Server workloads to Azure Virtual Machine

You explore different migration tools and migrate SQL Server databases to Azure Virtual Machine.

6. Migrate SQL Server workloads to Azure SQL Database

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

7. Migrate SQL Server workloads to Azure SQL Managed Instance

You'll explore different migration tools and migrate SQL Server databases to Azure SQL Managed Instance.

8. Perform post-migration tasks on Azure SQL

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

Ref: <https://trainocate.com/courses/microsoft/dp-3001-migrate-sql-server-workloads-to-azure-sql-database-training>

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