Migrate SQL Server workload to Azure SQL

Duration: 1 Day Course Code: M-DP3001

Overview:

This course 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.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

This intermediate course is relevant for Database Administrator, DevOps Engineer, Data Engineer, Support Engineer, Solution Architect and Developer who plan to migrate to Azure SQL.

Objectives:

- During this course, you will learn to:
- 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

Prerequisites:

Student should have some experience and knowledge of:

- SQL Server databases.
- 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.

Content:

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.

Further Information:

For More information, or to book your course, please call us on Head Office Tel.: +974 40316639

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