DP-050T00 - Migrate SQL workloads to Azure

Microsoft - Microsoft Azure - Virtualizzazione e Cloud

Durata:	Lingue:	Certificazione:
2 Giorni	**Italiano**	**-**

Descrizione del corso

In this course, the students 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. Students will also learn the available migration tools and how they are suitable for each stage of the data migration process. The student will 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. The student will 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. The student will explore the changes that may need to be made to existing SQL based applications, so that they can make best use of modern data platforms in Azure.

Programma

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

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
• 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