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

Description

Translate your transition to the cloud with our advanced training "**Migrate SQL Server workload to Azure SQL (DP-3001)**" which focuses on **migrating SQL Server to Azure SQL Databas**e. This learning path is designed for demanding professionals, offering insightful **migration strategies**, cutting-edge **data migration technologies**, and rigorous assessment methodologies. Learn how to use tools such as the Azure SQL Migration extension and the Database Migration Assistant to ensure seamless compatibility.

Our course, **Migrate SQL Server workload to Azure SQL (DP-3001)**, also covers crucial aspects such as disaster recovery planning and database monitoring, ensuring sustained operational efficiency in the Azure environment. Join us to master best practices, minimize downtime, and maximize the performance of your migration to Azure SQL Database.

Course Content
Module 1: Designing a Migration Strategy for SQL Server

- Review data platform modernization
- Plan a data migration
- Explore available data migration technologies

Module 2: Evaluating SQL Server Databases for Migration to Azure SQL

- Review database for compatibility
- Explore database migration evaluation options
- Evaluate a database with the Azure Migration extension
- Evaluate a database with Azure Migrate
- Evaluate a database with the Data Migration Assistant

Module 3: Deploying PaaS Solutions with Azure SQL

- Explain PaaS options for deploying SQL Server in Azure
- Explore a single SQL database
- Deploy a SQL database elastic pool
- Understand the hyperscale tier of SQL database
- Review SQL Managed Instance
- Describe SQL Edge

Module 4: Configuring Database Authentication and Authorization

- Describe Active Directory and Microsoft Entra ID
- Describe authentication and identities
- Describe security principles
- Describe database and object permissions
- Identify authentication and authorization failures

Module 5: Migrating SQL Server Workloads to Azure SQL Database

- Choose the right Azure SQL Database feature
- Use the Azure SQL Migration extension to migrate to Azure SQL Database
- Explore Data Migration Assistant to migrate to Azure SQL Database
- Migrate to Azure SQL Database using BACPAC
- Use an online method to migrate to Azure SQL Database
- Move data to Azure SQL Database

Module 6: Performing Post-Migration Tasks on Azure SQL

- Migrate SQL logins and groups
- Implement security to protect Azure SQL
- Implement compliance controls for sensitive data
- Monitor database performance
- Configure high availability and disaster recovery
- Automate database tasks for scalability

Documentation

- Digital course material included

Participant profiles

- Database Administrator
- Data Engineer
- Administrator

Prerequisites

- Previous experience in SQL Server database administration
- Recommended familiarity with Microsoft Azure services

Objectives

- Design a SQL Server migration strategy
- Plan a data migration
- Evaluate SQL Server databases for migration to Azure SQL

- Deploy PaaS solutions with Azure SQL
- Implement security and compliance to protect Azure SQL
- Monitor and optimize Azure SQL performance

Description
Migrate SQL Server workload to Azure SQL (DP-3001)
Niveau
Intermédiaire
Classroom Registration Price (CHF)
900
Virtual Classroom Registration Price (CHF)
850
Duration (in Days)
1
Reference
DP-3001