

Migrate Open Source Data Workloads to Azure

Duration: 1 Day(s)

Course Overview

This course will enable the students to understand Azure SQL Database, and educate the students on what is required to migrate MySQL and PostgreSQL workloads to Azure SQL Database.

Review this course online at <https://www.alta3.com/courses/DP-070T00>

Objectives

- Assess an existing enterprise environment.
- Plan and implement Policy-Based Management.
- Describe the considerations for consolidating workloads with SQL Server 2014.
- Describe considerations for including SQL Server 2014 in a private cloud.

Who Should Attend

- Database developers
- MySQL/Postgres administrators

Prerequisites

- Some knowledge of open source relational database management systems such as Postgres and/or MySQL, SQL administration, backup and recovery techniques i.e. dumping table data.

Course Outline

Module 1: Migrate to Azure SQL DB for MySQL & PostgreSQL

1. OSS Databases Overview
2. Common OSS Database Workloads
3. Customer Challenges in Migration

Lab: Creating Source OSS Databases

4. Installation of Postgres Migration DB Server
5. Installation of MySQL Migration DB Server
6. Backups/Data Dumps from Postgres / MySQL
7. Restore from Data Dumps

Module 2: Migrate on-premises MySQL to Azure SQL DB for MySQL

8. Configure and Manage Azure SQL DB for MySQL

- 9. Migrate on-premises MySQL to SQL DB for MySQL
- 10. Application Migration
- 11. Post-migration Considerations

Lab: Migrating MySQL DB Workloads to Azure SQL DB

- 12. Migrating MySQL DB Workloads to Azure SQL DB
- 13. Define Source and Target DBs
- 14. Perform Migration
- 15. Verify Migration

Module 3: Migrate on-premises PostgreSQL to Azure SQL DB for PostgreSQL

- 16. Configure and Manage Azure SQL DB for PostgreSQL
- 17. Migrate on-premises MySQL to SQL DB for PostgreSQL
- 18. Application Migration
- 19. Post-migration Considerations

Lab: Migrating PostgreSQL DB Workloads to Azure SQL DB

- 20. Configure Azure SQL DB for PostgreSQL
- 21. Define Source and Target DBs
- 22. Perform Migration
- 23. Verify Migration