

## DP-070T00 A: Migrate Open Source Data Workloads to Azure

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### Course Summary

#### Description

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.

#### Objectives

By the end of this course, students will be able to:

- Migrate on-premises MySQL to Azure SQL DB for MySQL
- Migrate on-premises PostgreSQL to Azure SQL DB for PostgreSQL

#### Topics

- Migrate to Azure SQL DB for MySQL & PostgreSQL
- Migrate on-premises MySQL to Azure SQL DB for MySQL
- Migrate on-premises PostgreSQL to Azure SQL DB for PostgreSQL

#### Audience

The primary audience for this course is database developers who plan to migrate their MySQL or Postgres DB workloads to Azure SQL DB. The secondary audience for this course is MySQL/Postgres administrators to raise awareness of the features and benefits of Azure SQL DB.

#### Prerequisite

In addition to their professional experience, students who attend this training should already have the following technical knowledge:

- 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

#### Duration

One Day

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### Course Outline

#### I. *Migrate to Azure SQL DB for MySQL & PostgreSQL*

This module describes the benefits and architecture of Azure SQL DB

- A. OSS databases overview
- B. Common OSS database workloads
- C. Customer challenges in migration

Lab : Creating source OSS databases

- Installation of Postgres migration DB server
- Installation of MySQL migration DB server
- Backups / data dumps from Postgres / MySQL
- Restore from data dumps

#### II. *Migrate on-premises MySQL to Azure SQL DB for MySQL*

This module describes the benefits and process of migrating MySQL workloads to Azure SQL DB

- A. Configure and Manage Azure SQL DB for MySQL
- B. Migrate on-premises MySQL to SQL DB for MySQL
- C. Application Migration
- D. Post-migration considerations

Lab : Migrating MySQL DB Workloads to Azure SQL DB

- Migrating MySQL DB Workloads to Azure SQL DB
- Define Source and Target DBs
- Perform Migration
- Verify Migration

#### III. *Migrate on-premises PostgreSQL to Azure SQL DB for PostgreSQL*

This module describes the benefits and process of migrating PostgreSQL DB workloads to Azure SQL DBL.

- A. Configure and Manage Azure SQL DB for PostgreSQL
- B. Migrate on-premises MySQL to SQL DB for PostgreSQL
- C. Application Migration
- D. Post-migration considerations

Lab : Migrating PostgreSQL DB Workloads to Azure SQL DB

- Configure Azure SQL DB for PostgreSQL
- Define Source and Target DBs
- Perform Migration
- Verify Migration