

## **Migrate Open Source Data Workloads to Azure (DP-070T00)**

**Modality:** Virtual Classroom

**Duration:** 1 Day

**SATV Value:** 1

**CLC:**

**NATU:**

**SUBSCRIPTION:** Master

### **About this Course:**

This intermediate-level course is specifically designed for Database Developers and Azure Administrators who want to gain in-depth knowledge of Open-Source Data Workloads Migration Strategies & Techniques. Azure Database serves as the hub for storing data and information and businesses striving to relish maximum benefit from cloud computing must migrate their workloads to Azure SQL Database.

This course covers the key concepts of Workloads Migration from On-Premises Open-Source Databases such as PostgreSQL & MySQL to Azure SQL cloud-based Database. Professionals & students get to learn about the distinct Azure SQL Architecture and understand the benefits of making this essential switch & transition. Through this course, professionals will learn the art of Source OSS Database Creation & Workload Migration and will also get to know about Post-Migration Consideration & Application Migration Essentials.

Postgres/MySQL Administrators striving to develop a better knowledge and conceptual understanding of workload migration can greatly benefit from the teachings of this course. This course strives to raise awareness among the developers & administrators about the numerous remarkable Azure SQL Database Features & Services.

### **Course Objectives:**

The core objective of this course is to help professionals develop a better understanding and sound knowledge of the following key concepts:

- MySQL Database Migration to Azure SQL from MySQL On-Premises Database
- PostgreSQL Database Migration to Azure SQL from PostgreSQL On-Premises Database

### **Audience:**

This course is specifically tailored for the following group of professionals and interested candidates:

- Professional Database Developers
- Postgres Administrators & MySQL Administrators
- Professionals migrating workloads to Azure SQL Database from MySQL/Postgres

## Prerequisites:

Professionals planning to enroll in the Migrate Open Source Data Workloads to Azure (DP-070T00) course must comply with the following prerequisites:

- Fundamental Knowledge of Open Source Relational DB Management System
- Familiarity with SQL Administration, Postgres/MySQL, Backup & Recovery Techniques

## Course Outline:

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

This module describes the benefits and architecture of Azure SQL DB.

#### Lessons

- OSS databases overview
- Common OSS database workloads
- 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

At the end of this module, the students will be able to:

- OSS databases overview
- Common OSS database workloads
- Customer challenges in migration

### Module 2: 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

#### Lessons

- Configure and Manage Azure SQL DB for MySQL
- Migrate on-premises MySQL to SQL DB for MySQL
- Application Migration
- 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

At the end of this module, the students will be able to:

- Configure and Manage Azure SQL DB for MySQL
- Migrate on-premises MySQL to SQL DB for MySQL
- Application Migration
- Post-migration considerations

### **Module 3: 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 DB

#### **Lessons**

- Configure and Manage Azure SQL DB for PostgreSQL
- Migrate on-premises MySQL to SQL DB for PostgreSQL
- Application Migration
- 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

At the end of this module, the students will be able to:

- Configure and Manage Azure SQL DB for PostgreSQL
- Migrate on-premises MySQL to SQL DB for PostgreSQL
- Application Migration
- Post-migration considerations