



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

Microsoft - Data & AI

- **Nível:** Intermediário
  - **Duração:** 7h
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### Sobre o curso

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.

#### Skills gained

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

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.

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### Pré-requisitos

Successful students start this role with a fundamental knowledge of cloud computing concepts and experience with open source relational database management systems.

Specifically:

- Working with PostgreSQL and/or MySQL
  - Using backup and recovery techniques with open source data
  - SQL administration
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# Programa

- 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

## **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