

Migrate Open Source Data Workloads to Azure

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.

Détails

- **Code** : Azure-OS
- **Durée** : 1 jour (7 heures)

Public

- Administrateurs
- Administrateurs de bases de données
- Administrateurs de Cloud
- Administrateurs de data warehouse
- Administrateurs Linux
- Administrateurs systèmes
- Administrateurs systèmes et réseaux
- Administrators

Pré-requis

- 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

Objectifs

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

Programme

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

- Description
 - 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

- 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

- Description
 - 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

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

- Description
 - 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 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

Modalités

- **Type d'action** :Acquisition des connaissances
- **Moyens de la formation** :Formation présentielle – 1 poste par stagiaire – 1 vidéo projecteur – Support de cours fourni à chaque stagiaire
- **Modalités pédagogiques** :Exposés – Cas pratiques – Synthèse
- **Validation** :Exercices de validation – Attestation de stages