



MICROSOFT TRAINING

Migrate Open Source Data Workloads Azure Training Course

Master migrating open-source data workloads to Azure. Learn to optimize and manage your data efficiently in the cloud.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level course, "Migrate Open Source Data Workloads Azure Training Course," is meticulously designed for IT professionals aiming to master the art of transitioning open-source database workloads to the Microsoft Azure cloud platform. In just two intensive hours, participants will gain critical insights and hands-on skills required to successfully assess, plan, and execute migrations for popular open-source databases like PostgreSQL, MySQL, and MariaDB to Azure's highly scalable and managed PaaS offerings. You will delve into core technologies such as Azure Database for PostgreSQL, Azure Database for MySQL, Azure Database for MariaDB, and the powerful Azure Database Migration Service (DMS), understanding their capabilities and best-use cases.

By completing this certification, you will not only enhance your technical proficiency in cloud data migration but also position yourself as a crucial asset in any organization's digital transformation journey. The professional benefits are immense, including improved operational efficiency through managed services, reduced infrastructure costs, enhanced data security, and superior scalability and reliability that Azure provides. This course empowers you to confidently manage hybrid data environments and contribute significantly to cloud adoption initiatives, ensuring data integrity and business continuity throughout the migration process.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Introduction to Azure Data Migration for Open Source

- Understanding the benefits of migrating open-source data to Azure
- Overview of Azure Database offerings for PostgreSQL, MySQL, MariaDB
- Key considerations for cloud migration strategy and planning
- Introduction to Azure migration tools and services

02 Module 2: Planning and Assessing Open Source Data Workloads for Azure

- Identifying suitable Azure services for different open-source databases
- Utilizing pre-migration assessment tools and best practices
- Estimating costs and performance considerations for migrated workloads
- Developing data synchronization and downtime reduction strategies

03 Module 3: Executing Open Source Relational Database Migrations to Azure

- Hands-on walkthrough: Migrating MySQL/PostgreSQL to Azure Database services
- Implementing migrations using Azure Database Migration Service (DMS)
- Troubleshooting common migration challenges and data inconsistencies
- Performing post-migration validation, testing, and cutover procedures

04 Module 4: Post-Migration Optimization and Management in Azure

- Monitoring and performance tuning migrated open-source databases
- Implementing security best practices for Azure PaaS databases
- Developing robust backup and recovery strategies in Azure
- Leveraging Azure PaaS features for scalability, high availability, and disaster recovery

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure Cloud Migration Specialist**
- > **Cloud Database Administrator (DBA)**
- > **Azure Data Engineer**

FREQUENTLY ASKED QUESTIONS

Q: What specific open-source database technologies will I learn to migrate in this course?

This course primarily focuses on the migration of popular open-source relational databases such as PostgreSQL, MySQL, and MariaDB to their respective Azure Database for X services. You will gain practical skills in assessing, planning, and executing these specific database migrations to Azure's managed PaaS offerings.

Q: What are the prerequisites for this course, and is prior Azure experience required?

While not strictly mandatory, a foundational understanding of database concepts and experience working with open-source databases (like PostgreSQL or MySQL) is highly recommended. Basic familiarity with Azure concepts, such as subscriptions and resource groups, will also be beneficial but not essential, as core migration principles and Azure services will be introduced.

Q: How will completing this course enhance my career as a database administrator or cloud engineer?

This course will equip you with critical, in-demand skills to transition on-premises open-source database workloads to the Azure cloud, a key requirement for modern IT infrastructures. You will be able to design and implement robust migration strategies, optimize cloud database performance, and ensure business continuity, making you a valuable asset in roles such as Cloud Migration Specialist, Azure Data Engineer, or a modern Database Administrator managing hybrid cloud environments.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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