



MICROSOFT TRAINING

Data Platform Upgrade Migration Microsoft Cloud Workshop

*Learn to upgrade and migrate your data platforms to Microsoft Cloud with this hands-on workshop.
Master essential migration strategies.*

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The "Data Platform Upgrade Migration Microsoft Cloud Workshop" is an intensive, hands-on program designed for IT professionals seeking to modernize their data infrastructure by migrating existing on-premises data platforms to Microsoft Azure. This intermediate-level workshop provides a practical deep dive into the strategies, tools, and best practices essential for a successful cloud migration. Participants will gain invaluable experience with core Microsoft Azure data services, focusing on seamless transitions while ensuring data integrity, performance, and security.

This workshop specifically covers key technologies such as Azure SQL Database, Azure SQL Managed Instance, and the Azure Database Migration Service (DMS). Through guided exercises and real-world scenarios, you'll learn to assess on-premises environments, choose appropriate Azure target services, plan comprehensive migration strategies, and execute migrations efficiently. The professional benefits are immense, equipping you with the critical skills to manage complex data modernization projects, reduce operational costs for your organization, and leverage the scalability and advanced features of the Azure cloud platform.

By the end of this 2-hour workshop, you will be proficient in planning and executing various data migration patterns, troubleshooting common challenges, and optimizing your data platform post-migration. This specialized knowledge is highly sought after, positioning you as a crucial asset in any organization looking to embrace cloud-native data solutions and drive digital transformation.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Understanding Data Platform Modernization and Azure Targets

- Introduction to cloud data migration drivers and benefits
- Overview of Azure SQL Database and Azure SQL Managed Instance
- Key considerations for choosing the right Azure SQL target
- Introduction to Azure Database Migration Service (DMS)

02 Module 2: Pre-Migration Assessment and Planning

- Assessing on-premises SQL Server environments using Data Migration Assistant (DMA)
- Identifying migration blockers and compatibility issues
- Network connectivity and hybrid considerations for migration
- Developing a migration strategy and phased approach

03 Module 3: Hands-on Data Platform Migration with Azure DMS

- Setting up and configuring Azure Database Migration Service
- Executing an online migration from SQL Server to Azure SQL Managed Instance
- Performing an offline migration to Azure SQL Database
- Monitoring migration progress and troubleshooting common errors

04 Module 4: Post-Migration Validation and Optimization

- Validating data integrity and application connectivity post-migration
- Performance tuning and optimization techniques for Azure SQL services

- Implementing security best practices in Azure data platforms
- Leveraging Azure monitoring tools for migrated databases

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure Data Migration Specialist**
- > **Cloud Database Administrator (DBA)**
- > **Azure Solutions Architect (Data & AI focus)**

FREQUENTLY ASKED QUESTIONS

Q: What specific types of data platforms will I learn to migrate in this Microsoft Cloud Workshop?

This workshop focuses on migrating on-premises SQL Server databases to Microsoft Azure's managed database services. You will gain hands-on experience with migrating data to both Azure SQL Database and Azure SQL Managed Instance, understanding the nuances and best practices for each target environment using the Azure Database Migration Service.

Q: What are the recommended prerequisites for someone looking to take this Data Platform Upgrade Migration workshop?

To get the most out of this intermediate-level workshop, participants should have a foundational understanding of SQL Server database administration and basic familiarity with Azure concepts, particularly infrastructure-as-a-service (IaaS) and platform-as-a-service (PaaS) offerings. While not strictly required, prior experience with Azure Portal navigation will be beneficial.

Q: How will mastering data platform migrations to Azure enhance my marketability in the current IT job landscape?

Proficiency in data platform migration to Azure is a highly sought-after skill. This workshop will position you as an expert capable of guiding organizations through critical cloud adoption initiatives, directly enhancing your appeal for roles such as Cloud Data Engineer, Azure Database Administrator, or Data Migration Specialist. It demonstrates practical competence in modernizing legacy systems, a key driver for business innovation and efficiency today.

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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