Migrate to Innovate Workshop

Course Overview

Duration - 16 Hours | Level - Intermediate

In this workshop, you will learn how to design a migration strategy to help your customers migrate their onpremises workloads to Azure using the guidance provided by Microsoft Cloud Adoption Framework for Azure. This will include the migration of virtual and physical servers as well as databases. You will learn about the different assessment and migration tools available to for your use during the migration process. You will also learn how to optimize and govern the cloud workloads using the tools available within Azure and implement security with Microsoft Defender for Cloud and Microsoft Sentinel. This session will also include hands on lab practice to gain a better understanding of the migration process.

Course Modules

Day 1

Module 01 – Getting ready to Migrate your estate to Azure – 60 min

Introduction & Azure Essentials framework Microsoft Cloud Adoption Framework Overview of the framework and its components for migration Setting up a secure foundation for cloud migration with Azure Landing zones Cost Efficiency Consideration and strategies

Module 02 - Be AI-ready with Azure – 90 min

Azure for every workload Azure Security and Threat Protection Performance and ROI for your workloads Migration on your terms - Flexible migration approach Migration Guidance and offers Customer Stories

Module 03 – Migrating Virtual machines – 30 min

Migration tools Migration using Azure Migrate

Hands on labs (Skillable)?? - 60 min

- Lab 1 Verifying deployed on-premise environment
- Lab 2 Discover and assess the on-premise environment
- Lab 3 Migrating the VMs from on-premises environment to Azure

Day 2

Module 04 – Database migration – 60 min

Migrate Databases with Azure Database Migration Service Migrating to Azure Database for PostgreSQL Migrating to Fabric databases

Module 05 - Migrate and modernize apps on Azure - 70 min

Modernizing app and Data Estate for AI Microsoft Developer tools, Application services and Data Platform Migrate apps to modernize Azure Migrate: App Containerization App modernization customer Use cases Modernize .Net and Java apps Securing your AI Apps Sample Architectures for common use cases

Module 06 – Post Migration governance, optimization and compliance – 50 min

Governance and Management methodology Introduction to Well-Architected Framework Optimizing reliability

Hands on labs (Skillable)?- 20 min

Lab 4 - Migrating the application database

Interactive Simulated Lab - 40 min

Lab 5 – PostgreSQL Database Online Migration

Lab 6 - Implementing Governance and Compliance using Azure Policy

Lab 7 - Implementing RBAC

Day 3

Module 07: Securing the migrated workloads - 180 min

Security pillar in the Well-Architected Framework Protecting workloads during and post migration with Microsoft Defender for Cloud Enabling advanced threat detection and response with ? Microsoft Sentinel Protect your infrastructure using Azure Security Having a secure migration conversation Protect at the speed and scale of AI with Security Copilot Microsoft Security Exposure Management Overview

Interactive Simulated Lab - 60 min

Lab 8 - Cloud Workload Protection with Microsoft Defender for Cloud Lab 9: Managing Defender for Cloud security policies Lab 10: Investigating incidents with Microsoft Sentinel Lab 11: advanced Threat Protection and response with Microsoft Sentinel Lab 12 : Security Copilot (Optional)