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 on-premises 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)