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

Cloud Introduction & Azure Essentials framework

Cloud Microsoft Cloud Adoption Framework

Cloud Overview of the framework and its components for migration

Cloud Setting up a secure foundation for cloud migration with Azure Landing zones

Cloud Cost Efficiency Consideration and strategies

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

Cloud Azure for every workload

Cloud Azure Security and Threat Protection

Cloud Performance and ROI for your workloads

Cloud Migration on your terms - Flexible migration approach

Cloud Migration Guidance and offers

Cloud Customer Stories

Module 03 – Migrating Virtual machines – 30 min

Cloud Migration tools

Cloud Migration using Azure Migrate

Hands on labs (Skillable)?? - 60 min

Cloud Lab 1 - Verifying deployed on-premise environment

Cloud Lab 2 - Discover and assess the on-premise environment

Cloud Lab 3 - Migrating the VMs from on-premises environment to Azure

Day 2

Module 04 – Database migration – 60 min

Cloud Migrate Databases with Azure Database Migration Service

Cloud Migrating to Azure Database for PostgreSQL

Cloud Migrating to Fabric databases

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

Cloud Modernizing app and Data Estate for AI

Cloud Microsoft Developer tools, Application services and Data Platform

Cloud Migrate apps to modernize

Cloud Azure Migrate: App Containerization

Cloud App modernization customer Use cases

Cloud Modernize .Net and Java apps

Cloud Securing your AI Apps

Cloud Sample Architectures for common use cases

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

Cloud Governance and Management methodology

Cloud Introduction to Well-Architected Framework

Cloud Optimizing reliability

Hands on labs (Skillable)?- 20 min

Cloud Lab 4 - Migrating the application database

Interactive Simulated Lab - 40 min

Cloud Lab 5 – PostgreSQL Database Online Migration

Cloud Lab 6 - Implementing Governance and Compliance using Azure Policy

Cloud Lab 7 - Implementing RBAC

Day 3

Module 07: Securing the migrated workloads - 180 min

Cloud Security pillar in the Well-Architected Framework

Cloud Protecting workloads during and post migration with Microsoft Defender for Cloud

Cloud Enabling advanced threat detection and response with ? Microsoft Sentinel

Cloud Protect your infrastructure using Azure Security

Cloud Having a secure migration conversation

Cloud Protect at the speed and scale of AI with Security Copilot

Cloud Microsoft Security Exposure Management Overview

Interactive Simulated Lab - 60 min

Cloud Lab 8 - Cloud Workload Protection with Microsoft Defender for Cloud

Cloud Lab 9: Managing Defender for Cloud security policies

Cloud Lab 10: Investigating incidents with Microsoft Sentinel

Cloud Lab 11: advanced Threat Protection and response with Microsoft Sentinel

Cloud Lab 12 : Security Copilot (Optional)