AWS Migration Essentials

AWS Classroom Training

Course description

This course is intended to provide solutions architects with the foundational knowledge required to successfully plan and perform lift and shift migrations to the AWS Cloud. In this course you will learn about methodologies for discovering, planning, performing, and tracking migrations by using various AWS tools and services.

- Course level: Fundamental
- Duration: 8 hours

Activities

This course includes presentations, hands-on labs, demonstrations, and assessments

Course objectives

In this course, you will learn to:

- Determine cloud readiness and migration strategies using assessment tools and services provided by Amazon Web Services (AWS).
- Articulate the key tasks involved in planning and mobilizing migrations.
- Describe, at a high level, the Amazon Web Services (AWS) services, resources, and tools necessary for migrations of data and databases.
- Describe, at a high level, the Amazon Web Services (AWS) services, resources, and tools necessary for migrations of applications.

Intended audience

This course is intended for:

- Technical audience (solutions architects, developers, and administrators) with limited to no knowledge on cloud migration.

Prerequisites

Before attending this course, participants should have completed the following:

- AWS Technical Essentials

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Course outline

Course Introduction
- Introductions
- Course overview

Module 1: Assess
- Migration phases
- Migration drivers and outcomes
- Cloud Adoption Readiness Tool (CART)
- Migration Readiness Assessment (MRA)
- Migration Evaluator
- Migration Portfolio Assessment (MPA)

Module 2: Mobilize
- Landing zones
- AWS Application Discovery Service
- Migration strategies
- AWS Migration Hub

Module 3: Migrate and Modernize: Database and Data Migration
- AWS Database Migration Service (AWS DMS)
- Data migration
- Lab 1: Database Migration with AWS DMS

Module 4: Migrate and Modernize: AWS Application Migration Service
- Migrate servers with Application Migration Service
- Modernization phases
- AWS Well-Architected Framework for migration
- Application optimization
- Lab 2: Application Migration with AWS MGN

Module 5: Course Summary

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