

# Migrating to AWS

## Course Benefits & Agenda



**Overview**

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**Course Benefits**

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**Agenda**

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## Overview

This course is for individuals who seek an understanding of how to plan and migrate existing workloads to the AWS Cloud. You will learn about various cloud migration strategies and how to apply each step of the migration process, including portfolio discovery, application migration planning and design, conducting a migration, and post-migration validation and application optimization. Hands-on labs reinforce learning, and each lab is designed to provide you with the understanding and foundation necessary to complete migration tasks in your organization.

## Course Benefits

This course teaches you how to:

- Recognize the common business and technical drivers for migrating to the cloud
- Summarize the three phases of a migration and associated objectives, tasks, and stakeholders
- Describe AWS architecture, tools, and migration best practices
- Distinguish between the various cloud migration strategies and when each is most appropriate
- Determine an organization's application migration readiness
- Discover a portfolio and gather data necessary for migration
- Plan and design an application migration strategy
- Perform and validate application migration to the cloud
- Optimize applications and operations after migrating to the cloud

## Agenda

### Day 1

Module	Topic
Module 1	What Is a Cloud Migration?
Module 2	Assessing Migration Readiness
Module 3	Preparing for a Migration and Understanding Related Workstreams
Module 4	Discovering Landing Zones and Their Benefits
Module 5	Building a Landing Zone
Lab 1	Connecting Your On-Premises Network and Directory Services to AWS
Module 6	Discovering the Portfolio and Understanding Migration Strategies

### Day 2

Module	Topic
Module 7	Understanding and Choosing Portfolio Discovery Tools
Lab 2	Gathering Application Data Necessary for Migration
Module 8	Planning and Designing a Migration
Module 9	Performing the Migration to AWS
Lab 3	Migrating an Application to AWS
Module 10	Understanding Database and Data Migration Services
Lab 4	Migrating an Existing Database to Amazon Aurora

## Agenda

### Day 3

Module	Topic
Module 11	Understanding Additional Migration Support Options
Module 12	Integrating, Validating, and Cutting Over Applications
Module 13	Modernizing and Optimizing an Application Migration
Lab 5	Optimizing an Application with Amazon S3 and Amazon ECS
Module 14	Understanding Operations Tools, Integration Testing, and Automation
Module 15	Migration Best Practices
Lab 6	Automating Application Deployments