



Ideas and Value for Companies

MIGRATING TO AWS

This three - day course helps you to build skills to migrate with confidence to the AWS Cloud to achieve business outcomes, innovate, and advance your professional future. Learn from AWS experts about cloud migration strategies, tools, and best practices to assess, mobilize, migrate, and modernize to build the competence required to complete migration projects. Individuals seeking an understanding of how to plan and migrate existing workloads to the AWS Cloud, including solution architects, software engineers, IT project managers, and operation leads, 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. Practical, interactive labs reinforce learning, and each lab is designed to provide you with the understanding and foundation necessary to complete migration tasks in your organization.

CONTENTS

The content of this course is designed to support the course objectives.

Module 1: What Is a Cloud Migration?

- Summarize the drivers and desired outcomes of a cloud migration
- Identify the elements of a successful migration journey
- Describe the three-phase AWS migration process

Module 2: Assessing Migration Readiness

- Summarize the activities and goals of the assess phase
- Evaluate tools for assessing your organization's cloud readiness
- Describe Migration Readiness Assessments (MRAs) and their importance

- Group Exercise: Assess cloud migration readiness with AWS Cloud Adoption Readiness Tool (CART)

Module 3: Preparing for a Migration and Understanding Related Workstreams

- Summarize the mobilize phase of the process
- Discuss the eight unique migration-related workstreams

Module 4: Discovering Landing Zones and Their Benefits

- Explain the function of a landing zone
- Discuss best practices for creating a custom landing zone
- Describe how you would use AWS Control Tower to create a landing zone

Module 5: Building a Landing Zone

- Summarize the process of building a landing zone
- Determine the best multi-account structure, governance policies, and connectivity plan for a landing zone
- Demonstration: AWS Control Tower
- Hands-On Lab: Connecting Your On-Premises Network and Directory Services to AWS

Module 6: Discovering the Portfolio and Understanding Migration Strategies

- Explain the activities of the detailed portfolio discovery workstream
- Describe how to assess an application's migration readiness
- Summarize the seven migration strategies

Module 7: Understanding and Choosing Portfolio Discovery Tools

- Summarize the various discovery tools available
- Distinguish which tools are best to use based on scenario
- Hands-On Lab: Gathering Application Data Necessary for Migration

Module 8: Planning and Designing a Migration

- Describe the planning and design process
- Summarize how to set up a migration factory
- Choose and finalize an application migration strategy

Module 9: Performing the Migration to AWS

- Explain the server migration process
- Discuss the various migration automation and governance tools available
- Evaluate server migration tools for compatibility with your environment
- Hands-On Lab: Migrating an Application to AWS

Module 10: Understanding Database and Data Migration Services

- Summarize the significance of database and data migration
- Discuss the various data migration tools available
- Hands-On Lab: Migrating an Existing Database to Amazon Aurora

Module 11: Understanding Additional Migration Support Options

- Discuss additional migration support options
- Summarize AWS Managed Services and AWS Marketplace
- Describe SAP on AWS and services offered for Windows

Module 12: Integrating, Validating, and Cutting Over Applications

- Discuss the process and benefits of integrating, validating, and cutting over applications

Module 13: Modernizing and Optimizing an Application Migration

- Identify post-migration opportunities for **modernization and optimization**
- Understand cost and security optimization processes
- Explore tools available to support these processes
- Hands-On Lab: Optimizing an Application with Amazon S3 and Amazon ECS

Module 14: Understanding Operations Tools, Integration Testing, and Automation

- Summarize operations in the cloud
- Discuss four functions of operations and their domains
- Review operations automation and relevant support tools

Module 15: Migration Best Practices

- Course review and key takeaways
- Summarize and reinforce AWS best practices for migrating
- Hands-On Lab: Automating Application Deployments



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DISCOVER COURSE CATALOG

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