

Migrating to AWS – Intensive Training («AWSM01»)

The course covers various cloud migration strategies with a detailed discussion on each phase of the migration process, including portfolio discovery, application migration planning, design, migration execution and post-migration validation.

Duration: 3 days

Price: 2'500.–

Course documents: Digital original AWS course books

Vendor code: AWSM01

Content

Day 1

Module 0: Introduction to Migrating to AWS

- Course introduction

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
- Group Exercise: Choose the best strategy (scenario-based)

Day 2

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

Day 3

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

- 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 for each
- 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

Methodology & didactics

These hybrid courses come in 3 instructor-led full day sessions with the instructor supervising the participants live. Each course consists of theory parts with live demos and practical lab exercises. The courses can be attended either on-site at a physical Digicomp location or virtually via Zoom. Please also refer to each course's description for specific details regarding the prerequisites and the covered topics.

Target audience

This course is intended for the following job roles:

- Solution Architect
- CloudOps
- DevOps

Why should you attend this specific course? What are my benefits from taking this course? The **Voice of the Instructor answers these questions.** We have asked our instructor team to write a short text about WHY this course is very relevant for the respective job roles and what you can expect from attending the course. You can find this section in the course description under the «*Additional Information*» section.

Requirements

We recommend that you attend the following course or have equivalent knowledge:

- [Architecting on AWS – Intensive Training \(«AWSA01»\)](#)
- [AWS Migration Essentials – Intensive Training \(«AWSME»\)](#)
- [AWS Technical Essentials – Intensive Training \(«AWSE01»\)](#)

Certification

There is no official certification related to this course.

Additional information

Voice of the Instructor

While conducting workload migrations to AWS Cloud, the necessary skills and knowledge of best practices to plan, execute, and optimize a successful move, regardless of the scale, are not easy to master. In this Migrating to AWS course, we aim to provide guidance and instill in the attendants with the concepts and hands experience in some of the tools provided by AWS that could support and perform said migration. Some of these key concepts/tools are:

1. Importance of having a proper Migration Strategy: The course guides you on developing a well-defined migration strategy tailored to specific business requirements. Participants learn how to assess their current infrastructure, identify suitable migration approaches (such as rehosting, re-platforming, or refactoring), and create a migration plan that minimizes downtime and risk. This knowledge helps organizations streamline the migration process and achieve a smooth transition to AWS regardless of the scale.
2. AWS Services for Migration: The course explores the range of AWS services specifically designed to support migration efforts. Participants gain insights into services like AWS Database Migration Service (DMS), AWS Server Migration Service (SMS), and AWS Snowball, among others. They learn how to leverage these services to efficiently and securely migrate databases, applications, and large data sets to AWS while minimizing disruption to business operations.
3. Application Modernization: The course covers strategies for modernizing applications during the migration process. Participants learn how to identify opportunities for application refactoring, containerization, or adopting serverless architectures. This enables organizations to enhance scalability, performance, and cost efficiency by leveraging AWS native services and modern application development practices.
4. Security and Compliance: The course addresses security and compliance considerations in the migration journey. Participants learn about AWS security controls, data encryption, identity and access management (IAM), and compliance frameworks. All while ensuring the confidentiality, integrity, and availability of their data and applications during and after the migration process, adhering to industry best practices and regulatory requirements.
5. Cost Optimization: The course provides insights into optimizing costs throughout the migration. Participants learn how to analyze cost implications, estimate the total cost of ownership (TCO), and leverage AWS pricing models to minimize expenses. They gain knowledge of cost management tools and techniques to optimize resource utilization, leverage cost-effective storage options, and implement cost monitoring and reporting practices.

By attending the «Migrating to AWS» course, you will gain the knowledge and skills required to execute successful migrations to AWS and unlocking the full potential of cloud computing.

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-digital-transformation-technologies/cloud/amazon-web-services-aws/aws-solutions-architect/course-migrating-to-aws-intensive-training-awsm01