



AWS – Migrating to AWS

Description

Master AWS migration with our comprehensive training

The Migrating to AWS (AWSM) course guides you through every essential step to successfully migrate your applications to the AWS platform. Whether you are a solutions architect, a software engineer, or an IT project manager, this course is designed to provide you with an in-depth understanding of AWS migration strategies. You will learn how to assess your organization's readiness, plan, and execute the migration efficiently while optimizing your applications' performance post-migration.

Our program includes hands-on workshops, real-life case studies, and demonstrations of key tools like AWS Control Tower, providing you with a comprehensive learning experience applicable to your projects. With a structured approach and expert guidance, migrating to AWS becomes a manageable and smooth process, no matter the complexity of your existing environments.

Why choose this AWS training?

By attending this course, you will gain insight into the best practices for cloud migration based on AWS standards. You will discover how to leverage governance, connectivity management, and workflow automation tools to ensure a successful migration of your IT infrastructure to the AWS cloud.

Course Content

Module 1: What is cloud migration?

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

Module 2: Assessing migration readiness

- Summarize the activities and goals of the assessment phase
- Evaluate tools to assess your organization's cloud readiness
- Describe migration readiness assessments (ARM) and their importance
- Group exercise: assess cloud migration readiness with AWS Cloud Adoption Readiness Tool (CART)

Module 3: Preparing for migration and understanding workflows

- Summarize the mobilization phase of the process
- Discuss the eight unique workflows related to migration

Module 4: Discover landing zones and their benefits

- Explain the function of a landing zone
- Discuss best practices for creating a customized landing zone
- Describe how to 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
- Demo: AWS Control Tower
- Lab: connect your on-premises network and directory services to AWS

Module 6: Discovering portfolios and understanding migration strategies

- Explain the activities of the detailed portfolio discovery workflow
- Describe how to assess application migration readiness
- Summarize the seven AWS migration strategies
- Group exercise: choose the best strategy (based on a scenario)

Module 7: Understanding and choosing portfolio discovery tools

- Summarize the various discovery tools available
- Distinguish which tools are best to use based on the scenario
- Hands-on workshop: collect application data necessary for migration

Module 8: Planning and designing a migration

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

Module 9: Executing the AWS migration

- Explain the server migration process
- Discuss the various automation and governance tools available for migration
- Lab: migrate an application to AWS

Module 10: Understanding database and data migration services

- Summarize the importance of database and data migration
- Discuss the various data migration tools available
- Lab: migrate 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

Module 12: Integrating, validating, and cutting over applications

- Discuss the process and benefits of application integration, validation, and cutover

Module 13: Modernizing and optimizing an application migration

- Identify post-migration opportunities for modernization and optimization
- Understand cost and security optimization processes
- Lab: optimize an application with Amazon S3 and Amazon ECS

Module 14: Understanding operational tools, integration testing, and automation

- Summarize cloud operations
- Discuss four key operational functions and their areas
- Review operational automation and relevant support tools

Module 15: Migration best practices

- Course review and key takeaways
- Lab: automate application deployments

Documentation

- Digital course materials included

Participant profiles

- Solutions architects
- Software engineers
- IT project managers
- System administrators
- IT operations managers

Prerequisites

- Basic knowledge of enterprise IT infrastructure
- Familiarity with cloud fundamentals
- Experience with AWS or completion of AWS Technical Essentials training
- Practical experience with enterprise applications

Objectives

- Master the three phases of AWS migration
- Use AWS Control Tower to create landing zones
- Choose the best application migration strategy
- Plan and execute application migration
- Optimize applications post-migration
- Utilize AWS tools to automate and secure operations

Description

AWS Training - Migrating to AWS

Niveau

Intermédiaire

Classroom Registration Price (CHF)

2550

Virtual Classroom Registration Price (CHF)

2550

Duration (in Days)

3

Reference

AWS-06