AWS Technical Essentials – Intensive Training («AWSE01»)

This course is not related to any AWS certification. You will gain a basic understanding of the AWS products, services, and common solutions.

Duration: 1 day
Price: 900.–
Course documents: Digital original AWS course books
Vendor code: AWSE01

Content

AWS Technical Essentials introduces you to essential AWS services and common solutions. The course covers the fundamental AWS concepts related to compute, database, storage, networking, monitoring, and security.
You will start working in AWS through hands-on course experiences. The course covers the concepts necessary to increase your understanding of AWS services, so that you can make informed decisions about solutions that meet business requirements.

Throughout the course, you will gain information on how to build, compare, and apply highly available, fault tolerant, scalable, and costeffective cloud solutions.

Module 1: Introduction to Amazon Web Services

- Introduction to AWS Cloud
- Security in the AWS Cloud
- Hosting the employee directory application in AWS
- Hands-On Lab: Introduction to AWS Identity and Access Management (IAM)

Module 2: AWS Compute

- Compute as a service in AWS
- Introduction to Amazon Elastic Compute Cloud
- Amazon EC2 instance lifecycle
- AWS container services
- What is serverless?
- Introduction to AWS Lambda
- Choose the right compute service
- Hands-On Lab: Launch the Employee Directory Application on Amazon EC2

Module 3: AWS Networking

- Networking in AWS
- Introduction to Amazon Virtual Private Cloud (Amazon VPC)
- Amazon VPC routing
- Amazon VPC security
- Hands-On Lab: Create a VPC and Relaunch the Corporate Directory Application in Amazon EC2

Module 4: AWS Storage

- AWS storage types
- Amazon EC2 instance storage and Amazon Elastic Block Store (Amazon EBS)
- Object storage with Amazon S3
- Choose the right storage service
- Hands-On Lab: Create an Amazon S3 Bucket

Module 5: Databases

- Explore databases in AWS
- Amazon Relational Database Service
- Purpose-built databases
- Introduction to Amazon DynamoDB
- Choose the right AWS database service
- Hands-On Lab: Implement and manage Amazon DynamoDB

Module 6: Monitoring, Optimization, and Serverless

- Monitoring
- Optimization
- Alternate serverless employee directory application architecture
- Hands-On Lab: Configure High Availability for Your Application

Key Learnings

- Describing terminology and concepts related to AWS services
- Navigating the AWS Management Console
- Articulating key concepts of AWS security measures and AWS Identity and Access Management (IAM)
- Distinguishing among several AWS compute services, including Amazon Elastic Compute Cloud (Amazon EC2), AWS Lambda, Amazon Elastic Container Service (Amazon ECS), and Amazon Elastic Kubernetes Service (Amazon EKS)
- Understanding AWS database and storage offerings, including Amazon Relational Database Service (Amazon RDS), Amazon DynamoDB, and Amazon Simple Storage Service (Amazon S3)
- Exploring AWS networking services
- Accessing and configuring Amazon CloudWatch monitoring features

Methodology & didactics

These hybrid courses come in 1 instructor-led full day session with the instructor supervising the participants live. Each course consits 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
- Cyber Security
- Developer
- CloudOps
- DevOps
- Data Analytics
- Machine Learning & AI
- Financial Builder

Requirements

We recommend that attendees of this course have the following prerequisites:

- IT experience & basic knowledge of common data center architectures and components (servers, networking, databases, applications, and so on)
- No prior practical cloud computing or AWS experience required

and have attended the following course or equivalent knowledge is required:

- AWS Cloud Practitioner Essentials – Intensive Training («AWSE03»)

Certification

There is no official certification related to this course.

Further courses

- Architecting on AWS with Best Practice – Intensive Training («AWSA10»)
- Building Data Analytics Solutions Using Amazon Redshift – Intensive Training («AWSB06»)
- Building Batch Data Analytics Solutions on AWS – Intensive Training («AWSB05»)
- AWS Well-Architected Best Practices – Intensive Training («AWSE08»)
- Practical Data Science with Amazon SageMaker – Intensive Training
- MLOps Engineering on AWS – Intensive Training («AWSS07»)
- AWS Security Essentials – Intensive Training («AWSE04»)
- Architecting on AWS – Intensive Training («AWSA01»)
- Developing on AWS – Intensive Training («AWSD01»)
- Developing Generative AI Applications on AWS – Intensive Training («AWSD03»)
- AWS Migration Essentials – Intensive Training («AWSME»)
- Architecting on AWS with JAM – Intensive Training («AWSA1J»)
- Cloud Operations on AWS – Intensive Training («AWSS01»)
- Building Data Lakes on AWS – Intensive Training («AWSB04»)
- Migrating to AWS – Intensive Training («AWSM01»)

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-it-provider/amazon-web-services-aws/aws-foundation/course-aws-technical-essentials-intensive-training-awse01