

# AWSC-1 - AWS TECHNICAL ESSENTIALS

Categoria: Amazon Web Services

## INFORMAZIONI SUL CORSO



Durata:  
1 Giorni



Categoria:  
Amazon Web  
Services



Qualifica Istruttore:  
AWS Authorized  
Instructor



Dedicato a:  
Professionista IT



Produttore:  
AWS

## OBIETTIVI

In this course, you will learn to:

- Describe terminology and concepts related to AWS services
- Navigate the AWS Management Console
- Articulate key concepts of AWS security measures and AWS Identity and Access Management (IAM)
- Distinguish 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)
- Understand AWS database and storage offerings, including Amazon Relational Database Service (Amazon RDS), Amazon DynamoDB, and Amazon Simple Storage Service (Amazon S3)
- Explore AWS networking services
- Access and configure Amazon CloudWatch monitoring features

## PREREQUISITI

We recommend that attendees of this course have:

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

## CONTENUTI

### 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

### **Module 7: Course Summary**

## **INFO**

**Esame:** CLF-C02 - AWS Certified Cloud Practitioner

**Materiale didattico:** Materiale didattico in formato digitale

**Costo materiale didattico:** incluso nel prezzo del corso a Calendario

**Natura del corso:** Operativo (previsti lab su PC)