# AWSC-1 - AWS TECHNICAL ESSENTIALS

Categoria: **Amazon Web Services**

## INFORMAZIONI SUL CORSO

| Durata: | Categoria: | Qualifica Istruttore: | Dedicato a: | Produttore: |
|---|---|---|---|---|
| 1 Giorni | Amazon Web Services | Docente Senior (min. 5 anni) | Professionista IT | PCSNET |

## 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

**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)