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 Cloud Computing
-AWS global infrastructure
-AWS services management
-Security and shared responsibility
-Introduction to AWS IAM
-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

Module 3: AWS Networking

- -Introduction to Amazon Virtual Private Cloud (Amazon VPC)
- -AWS Direct Connect
- -Amazon VPC routing
- -AWS Routing Table demonstration
- -Network access control lists
- -Amazon VPC security
- -Hands-On Lab: Create a VPC and launching a web application in an Amazon EC2 Instance

Module 4: AWS Storage

- -AWS storage types
- -Amazon EC2 instance storage and Amazon Elastic Block Store (Amazon EBS)
- -Object storage with Amazon S3

Module 5: Databases

- -Benefits of databases in AWS
- -Amazon Relational Database Service
- -Introduction to Amazon DynamoDB
- -Hands-On Lab: Configure a web application to use an Amazon S3 Bucket and DynamoDB Table

Module 6: Monitoring, Load Balancing and Scaling

- -Monitoring
- -Load Balancing
- -Scaling
- -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)