

AWSC-17 - AWS CLOUD PRACTITIONER ESSENTIALS

Categoria: Amazon Web Services

INFORMAZIONI SUL CORSO

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Durata:

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

OBIETTIVI

In this course, you will learn to:

- -Summarize the working definition of AWS
- -Differentiate between on-premises, hybrid-cloud, and all-in cloud
- -Describe the basic global infrastructure of the AWS Cloud
- -Explain the six benefits of the AWS Cloud
- -Describe and provide an example of the core AWS services, including compute, network, databases, and storage
- -Identify an appropriate solution using AWS Cloud services with various use cases
- -Describe the AWS Well-Architected Framework
- -Explain the shared responsibility model
- -Describe the core security services within the AWS Cloud
- -Describe the basics of AWS Cloud migration
- -Articulate the financial benefits of the AWS Cloud for an organization's cost management
- -Define the core billing, account management, and pricing models
- -Explain how to use pricing tools to make cost-effective choices for AWS services

PREREQUISITI

We recommend that attendees of this course have:

- -General IT business knowledge
- -General IT technical knowledge

CONTENUTI

Module 1: Introduction to Amazon Web Services

- -Summarize the benefits of AWS
- -Describe differences between on-demand delivery and cloud deployments
- -Summarize the pay-as-you-go pricing model

Module 2: Compute in the Cloud

- -Describe the benefits of Amazon Elastic Compute Cloud (Amazon EC2) at a basic level
- -Identify the different Amazon EC2 instance types



- -Differentiate between the various billing options for Amazon EC2
- -Describe the benefits of Amazon EC2 Auto Scaling
- -Summarize the benefits of Elastic Load Balancing
- -Give an example of the uses for Elastic Load Balancing
- -Summarize the differences between Amazon Simple Notification Service (Amazon SNS) and Amazon Simple Queue Services (Amazon SQS)
- -Summarize additional AWS compute options

Module 3: Global Infrastructure and Reliability

- -Summarize the benefits of the AWS Global Infrastructure
- -Describe the basic concept of Availability Zones
- -Describe the benefits of Amazon CloudFront and Edge locations
- -Compare different methods for provisioning AWS services

Module 4: Networking

- -Describe the basic concepts of networking
- -Describe the difference between public and private networking resources
- -Explain a virtual private gateway using a real life scenario
- -Explain a virtual private network (VPN) using a real life scenario
- -Describe the benefit of AWS Direct Connect
- -Describe the benefit of hybrid deployments
- -Describe the layers of security used in an IT strategy
- -Describe which services are used to interact with the AWS global network

Module 5: Storage and Databases

- -Summarize the basic concept of storage and databases
- -Describe benefits of Amazon Elastic Block Store (Amazon EBS)
- -Describe benefits of Amazon Simple Storage Service (Amazon S3)
- -Describe the benefits of Amazon Elastic File System (Amazon EFS)
- -Summarize various storage solutions
- -Describe the benefits of Amazon Relational Database Service (Amazon RDS)
- -Describe the benefits of Amazon DynamoDB
- -Summarize various database services

Module 6: Security

- -Explain the benefits of the shared responsibility model
- -Describe multi-factor authentication (MFA)
- -Differentiate between the AWS Identity and Access Management (IAM) security levels
- -Describe security policies at a basic level
- -Explain the benefits of AWS Organizations
- -Summarize the benefits of compliance with AWS
- -Explain primary AWS security services at a basic level

Module 7: Monitoring and Analytics

- -Summarize approaches to monitoring your AWS environment
- -Describe the benefits of Amazon CloudWatch
- -Describe the benefits of AWS CloudTrail
- -Describe the benefits of AWS Trusted Advisor



Module 8: Pricing and Support

- -Understand AWS pricing and support models
- -Describe the AWS Free Tier
- -Describe key benefits of AWS Organizations and consolidated billing
- -Explain the benefits of AWS Budgets
- -Explain the benefits of AWS Cost Explorer
- -Explain the primary benefits of the AWS Pricing Calculator
- -Distinguish between the various AWS Support Plans
- -Describe the benefits of AWS Marketplace

Module 9: Migration and Innovation

- -Understand migration and innovation in the AWS Cloud
- -Summarize the AWS Cloud Adoption Framework (AWS CAF)
- -Summarize six key factors of a cloud migration strategy
- -Describe the benefits of various AWS data migration solutions, such as AWS Snowcone, AWS Snowball, and AWS Snowmobile
- -Summarize the broad scope of innovative solutions that AWS offers
- -Summarize the five pillars of the AWS Well-Architected Framework

Module 10: AWS Certified Cloud Practitioner Basics

- -Determine resources for preparing for the AWS Certified Cloud Practitioner examination
- -Describe benefits of becoming AWS Certified

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)