Curso AWS Cloud Practitioner Essentials

aws PARTNER Advanced Tier Training

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- Ejecutivos de alto nivel
- Estudiantes de AWS Academy
- Otros profesionales relacionados con el área de TI

Objetivos:

- Definir qué es la nube de AWS y la infraestructura general básica.
- Describir los servicios clave de la plataforma de AWS y cuáles son sus casos de uso comunes.
- Describir principios arquitectónicos básicos de la nube de AWS.
- Describir aspectos básicos de conformidad y seguridad de la plataforma de AWS y el modelo de seguridad compartida.
- Definir los modelos de facturación, administración de cuentas y precios.
- Identificar fuentes de documentación o asistencia técnica (documentos técnicos, tiques de soporte, etc.).
- Describir la propuesta de valor de la nube de AWS.
- Describir las características básicas/principales de realizar implementaciones y tareas en la nube de AWS.

Requisitos:

No existen requisitos previos para realizar este curso.

Material del curso:

Documentación del **curso AWS Cloud Practitioner Essentials**.

Perfil del docente:

- Formador certificado por AWS.
- Más de 5 años de experiencia profesional.
- Más de 4 años de experiencia docente.
- Profesional activo en empresas del sector IT.

Metodología:

- “Learning by doing” se centra en un contexto real y concreto, buscando un aprendizaje en equipo para la resolución de problemas en el sector empresarial.
- Aulas con grupos reducidos para que el profesional adquiera la mejor atención por parte de nuestros instructores profesionales.
- El programa de estudios como partners oficiales es confeccionado por nuestro equipo de formación y revisado por las marcas de referencia en el sector.
- La impartición de las clases podrá ser realizada tanto en modalidad Presencial como Virtual.

Examen y Certificación:

Preparación para el examen de certificación: **Examen AWS Certified Cloud Practitioner**

Contenidos:

Módulo 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

Módulo 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

Módulo 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

Módulo 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

Módulo 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

Módulo 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

Módulo 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

Módulo 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

Módulo 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

Módulo 10: AWS Certified Cloud Practitioner Basics

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

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