



Migrating to AWS



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Objetivos:

- Reconocer los motivos empresariales y técnicos comunes para migrar a la nube
- Resumir las tres fases de una migración y los objetivos, tareas y partes interesadas asociadas para cada una de ellas
- Describir la arquitectura, herramientas y prácticas recomendadas de migración de AWS
- Distinguir entre las distintas estrategias de migración a la nube y cuándo es más apropiada cada una de ellas

Requisitos:

- Conocimientos de la infraestructura de TI empresarial (hardware y software)
- Haber completado la formación presencial AWS Technical Essentials o Architecting on AWS
- Tener la certificación AWS Certified Solutions Architect - Associate (opcional)

Material del curso:

- Documentación del curso Migrating to AWS

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:

Exam Readiness: Solutions Architect - Associate

Este curso te prepara para la certificación de AWS Certified Solutions Architect - Associate



Contenidos:

Modulo 0: Introduction to Migrating to AWS

- Course introduction

Modulo 1: What Is a Cloud Migration?

- Summarize the drivers and desired outcomes of a cloud migration
- Identify the elements of a successful migration journey
- Describe the three-phase AWS migration process

Modulo 2: Assessing Migration Readiness

- Summarize the activities and goals of the assess phase
- Evaluate tools for assessing your organization's cloud readiness
- Describe Migration Readiness Assessments (MRAs) and their importance
- Group Exercise: Assess cloud migration readiness with AWS Cloud Adoption Readiness Tool (CART)

Modulo 3: Preparing for a Migration and Understanding Related Workstreams

- Summarize the mobilize phase of the process
- Discuss the eight unique migration-related workstreams

Modulo 4: Discovering Landing Zones and Their Benefits

- Explain the function of a landing zone
- Discuss best practices for creating a custom landing zone
- Describe how you would use AWS Control Tower to create a landing zone

Modulo 5: Building a Landing Zone

- Summarize the process of building a landing zone
- Determine the best multi-account structure, governance policies, and connectivity plan for a landing zone
- Demonstration: AWS Control Tower
- Lab: Connecting Your On-Premises Network and Directory Services to AWS

Modulo 6: Discovering the Portfolio and Understanding Migration Strategies

- Explain the activities of the detailed portfolio discovery workstream
- Describe how to assess an application's migration readiness
- Summarize the seven migration strategies
- Group Exercise: Choose the best strategy (scenario-based)

Modulo 7: Understanding and Choosing Portfolio Discovery Tools

- Summarize the various discovery tools available
- Distinguish which tools are best to use based on scenario



- Lab: Gathering Application Data Necessary for Migration

Modulo 8: Planning and Designing a Migration

- Describe the planning and design process
- Summarize how to set up a migration factory
- Choose and finalize an application migration strategy

Modulo 9: Performing the Migration to AWS

- Explain the server migration process
- Discuss the various migration automation and governance tools available
- Evaluate server migration tools for compatibility with your environment
- Lab: Migrating an Application to AWS

Modulo 10: Understanding Database and Data Migration Services

- Summarize the significance of database and data migration
- Discuss the various data migration tools available
- Lab: Migrating an Existing Database to Amazon Aurora

Modulo 11: Understanding Additional Migration Support Options

- Discuss additional migration support options
- Summarize AWS Managed Services and AWS Marketplace
- Describe SAP on AWS and services offered for Windows

Modulo 12: Integrating, Validating, and Cutting Over Applications

- Discuss the process and benefits of integrating, validating, and cutting over applications

Modulo 13: Modernizing and Optimizing an Application Migration

- Identify post-migration opportunities for modernization and optimization
- Understand cost and security optimization processes
- Explore tools available to support these processes
- Lab: Optimizing an Application with Amazon S3 and Amazon ECS

Modulo 14: Understanding Operations Tools, Integration Testing, and Automation

- Summarize operations in the cloud
- Discuss four functions of operations and their domains
- Review operations automation and relevant support tools

Modulo 15: Migration Best Practices

- Course review and key takeaways
- Summarize and reinforce AWS best practices for migrating
- Lab: Automating Application Deployments



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