Migrating to AWS.

Aus der On-Premise-Welt mit eigenem Datacenter in die AWS Cloud. Neue Seminarversion.

Seminar | Präsenz / Virtual Classroom | 8 Termine verfügbar

24 Unterrichtseinheiten | Teilnahmebescheinigung | Online durchführbar

Seminarnummer: 26012

Stand: 25.11.2026. Alle aktuellen Informationen finden Sie unter https://akademie.tuv.com/s/26012

In diesem Kurs lernen Sie Strategien für die Planung und Migration bestehender Arbeitslasten in die AWS Cloud kennen, einschließlich Portfolioentdeckung, Planung und Design der Anwendungsmigration, Durchführung der Migration sowie Validierung und Anwendungsoptimierung nach der Migration.

Nutzen

In this course, you will learn to:

- Recognize the common business and technical drivers for migrating to the cloud
- Summarize the three phases of a migration and associated objectives, tasks, and stakeholders for each
- Describe AWS architecture, tools, and migration best practices
- Distinguish between the various cloud migration strategies and when each is most appropriate
- Determine an organizations application migration readiness
- Discover a portfolio and gather data necessary for migration
- Plan and design an application migration strategy
- Perform and validate application migration to the cloud
- Optimize applications and operations after migrating to the cloud

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Zielgruppe

- Solutions architects and engineers who perform cloud migrations and have completed AWS Technical Essentials or Architecting on AWS
- IT project managers who are involved in projects related to migrating existing workloads to the AWS Cloud and have completed AWS Technical Essentials or Architecting on AWS
- Individuals who are part of an organization's cloud Center of Excellence (CoE)

Anforderungen

We recommend that attendees of this course have the following prerequisites:

- Courses taken: AWS Technical Essentials or Architecting on AWS
- Certifications achieved (optional): AWS Certified Solutions Architect - Associate
- Familiarity with enterprise IT infrastructure (hardware and software)

Inhalte

Module 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

Module 2: Assessing Migration Readiness

- Summarize the activities and goals of the assess phase
- Evaluate tools for assessing your organizations cloud readiness
- Describe Migration Readiness Assessments (MRAs) and their importance

Module 3: Preparing for a Migration and Understanding Related Workstreams

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

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Module 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

Module 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

Module 6: Discovering the Portfolio and Understanding Migration Strategies

- Explain the activities of the detailed portfolio discovery workstream
- Describe how to assess an applications migration readiness
- Summarize the seven migration strategies

Module 7: Understanding and Choosing Portfolio Discovery Tools

- Summarize the various discovery tools available
- Distinguish which tools are best to use based on scenario
- Hands-On Lab: Gathering Application Data Necessary for Migration

Module 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

Module 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

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Module 10: Understanding Database and Data Migration Services

- Summarize the significance of database and data migration
- Discuss the various data migration tools available

Module 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

Module 12: Integrating, Validating, and Cutting Over Applications

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

Module 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

Module 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

Module 15: Migration Best Practices

- Course review and key takeaways
- Summarize and reinforce AWS best practices for migrating

Terminübersicht und Buchung

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