

# AWS Cloud Practitioner Essentials.

**Der Einstieg in die AWS Cloud - nicht nur für IT-Mitarbeiter\*innen.**

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|  Seminar                     |  8 Termine verfügbar    |  Teilnahmebescheinigung |
|  Präsenz / Virtual Classroom |  8 Unterrichtseinheiten |  Online durchführbar    |

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Seminarnummer: 26029 | Herstellernummer: AWS-CPE

Stand: 26.11.2025. Alle aktuellen Informationen finden Sie unter <https://akademie.tuv.com/s/26029>

Dieser Kurs richtet sich an Personen, die ein umfassendes Verständnis der Amazon Web Services (AWS) Cloud anstreben, unabhängig von spezifischen technischen Rollen. Sie lernen AWS-Cloud-Konzepte, AWS-Services, Sicherheit, Architektur, Preisgestaltung und Support kennen, um Ihr AWS-Cloud-Wissen aufzubauen.

## Nutzen

Nach dem Seminar verfügen Sie über Skills zu

- Arbeitsdefinition von AWS-Cloud-Lösungen
- Unterscheidungen zwischen On-Premises, Hybrid-Cloud und All-In-Cloud
- Beschreibungen der grundlegenden globalen Infrastruktur der AWS Cloud
- Die sechs Vorteile der AWS-Cloud
- AWS-Kernservices, einschließlich Datenverarbeitung, Netzwerk, Datenbanken und Speicher
- Lösungen unter Verwendung von AWS-Cloud-Services mit verschiedenen Anwendungsfällen
- Das AWS Well-Architected Framework
- Das Modell der geteilten Verantwortung
- Zentrale Sicherheitsservices innerhalb der AWS Cloud
- Grundlagen der AWS-Cloud-Migration
- Finanzielle Vorteile der AWS Cloud für das Kostenmanagement einer Organisation
- Definition der Kernmodelle für Abrechnung, Kontoverwaltung und Preisgestaltung
- Einsatz von Preisfindungstools, um kosteneffiziente Entscheidungen für AWS-Services zu treffen

# Zielgruppe

Cloud-interessierte Mitarbeiter\*innen aus den Bereichen, Vertrieb, Marketing, Business Analyse und Projekt Management. Für eher IT-technische Jobrollen empfehlen wir als Einstieg das Technical Essentials Seminar (AWS-A).

## Voraussetzungen

Grundlegende Geschäfts- und Technikenkenntnisse aus der IT-Branche.

## Inhalte des Seminars

### 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

## Terminübersicht und Buchung

Buchen Sie Ihren Wunschtermin jetzt direkt online unter <https://akademie.tuv.com/s/26029> und profitieren Sie von diesen Vorteilen:

- Schneller Buchungsvorgang
- Persönliches Kundenkonto
- Gleichzeitige Buchung für mehrere Teilnehmer:innen

Alternativ können Sie das Bestellformular verwenden, um via Fax oder E-Mail zu bestellen.