

AWS bietet die Services, die Sie beim Aufbau anspruchsvoller Anwendungen mit steigender Flexibilität, Skalierbarkeit und Zuverlässigkeit unterstützen

### Ihr Nutzen

In diesem Seminar lernen Sie, wie Sie Netzwerke und Systeme auf der AWS-Plattform automatisiert und wiederholbar bereitstellen. Darüber hinaus werden die in AWS für die Konfiguration und Bereitstellung verfügbaren Funktionen und Werkzeuge erläutert und die bewährten Methoden für den Einsatz dieser Funktionen und Werkzeuge vorgestellt.

### Preis pro Teilnehmer

EUR 1850,- exklusive der gesetzlichen MwSt.

### Seminardauer

3 Tag(e)/Day(s)

### Seminarinhalte

#### Tag 1

##### \* Introduction to System Operations on AWS

- Systems operations
- AWS Well-Architected Framework
- AWS Well-Architected Tool

##### \* Access Management

- Access management
- Resources, accounts, and AWS Organizations

##### \* System Discovery

- Methods to interact with AWS services
- Introduction to monitoring services
- Tools for automating resource discovery
- Inventory with AWS Systems Manager and AWS Config
- Troubleshooting scenario
- Hands-On Lab: Auditing AWS Resources with AWS Systems Manager and AWS Config

##### \* Deploy and Update Resources

- Systems operations in deployments
- Tagging strategies
- Deployment using Amazon Machine Images (AMIs)
- Deployment using AWS Control Tower
- Troubleshooting scenario

##### \* Automate Resource Deployment

- Deployment using AWS CloudFormation
- Deployment using AWS Service Catalog
- Troubleshooting scenario
- Hands-On Lab: Infrastructure as Code

#### Tag 2

##### \* Manage Resources

- AWS Systems Manager
- Troubleshooting scenario
- Hands-On Lab: Operations as Code

##### \* Configure Highly Available Systems

- Distributing traffic with Elastic Load Balancing
- Amazon Route 53

##### \* Automate Scaling

### Voraussetzungen

Amazon Web Services, Technical Essential ~30018

### Hinweise

Nach dem Training können Sie die Zertifizierungsprüfung zum AWS Certified SysOps Administrator - Associate

Version: N/A

- Scaling with Spot Instances
- Managing licenses with AWS License Manager
- Troubleshooting scenario

##### \* Monitor and Maintain System Health

- Monitoring and maintaining healthy workloads
- Monitoring distributed applications
- Monitoring AWS infrastructure
- Monitoring your AWS account
- Troubleshooting scenario
- Hands-On Lab: Monitoring Applications and Infrastructure

##### \* Data Security and System Auditing

- Maintaining a strong identity and access foundation
- Implementing detection mechanisms
- Automating incident remediation
- Troubleshooting scenario
- Hands-On Lab: Implementing IAM permissions boundaries

#### Tag 3

##### \* Operate Secure and Resilient Networks

- Building a secure Amazon Virtual Private Cloud (Amazon VPC)
- Networking beyond the VPC
- Troubleshooting scenario

##### \* Mountable Storage

- Configuring Amazon Elastic Block Storage (Amazon EBS)
- Sizing Amazon EBS volumes for performance
- Using Amazon EBS snapshots
- Using Amazon Data Lifecycle Manager to manage your AWS resources
- Creating backup and data recovery plans
- Configuring shared file system storage

##### \* Object Storage

- Deploying Amazon Simple Storage Service (Amazon S3) with Access Logs, Cross-Region Replication, and S3 Intelligent-Tiering
- Hands-On Lab: Automating with AWS Backup for Archiving and Recovery

##### \* Cost Reporting, Alerts, and Optimization

- Gaining AWS cost awareness
- Using control mechanisms for cost management
- Optimizing your AWS spend and usage

