



Cloud Operations on AWS with AWS Jam PowerPackage

Cloud Operations on AWS with AWS Jam

With this PowerPackage you book the three-day Cloud Operations on AWS course together with an AWS Jam Day.

This course teaches system operators and anyone performing system operations functions how to install, configure, automate, monitor, secure, maintain and troubleshoot the services, networks and systems on AWS to support business applications. The course also covers specific AWS features, tools and best practices related to these features.

The final day features an AWS Jam, a fun event where teams compete for points by completing a series of best practice challenges based on the concepts covered in the course. You will be able to experience a wide range of AWS services in a series of real-world scenarios that represent common operational and troubleshooting tasks. The end result is to develop, improve and validate your skills in the AWS Cloud through real-world problem solving, exploring new services and features, and understanding how they work together.

Course Contents

- Module 1: Introduction to Cloud Operations on AWS
- Module 2: Access Management
- Module 3: System Discovery
- Module 4: Deploy and Update Resources
- Module 5: Automate Resource Deployment
- Module 6: Manage Resources
- Module 7: Configure Highly Available Systems
- Module 8: Automate Scaling
- Module 9: Monitor and Maintain System Health
- Module 10: Data Security and System Auditing
- Module 11: Operate Secure and Resilient Networks
- Module 12: Mountable Storage
- Module 13: Object Storage
- Module 14: Cost Reporting, Alerts, and Optimization
- AWS Jam

You have access to the labs for another 14 days after the course. This way you can repeat exercises or deepen them individually.

E-Book You will receive the original course documentation by Amazon Web Services as an e-book.

Target Group

This course is intended for:

- System administrators and operators who are operating in the AWS Cloud
- Informational technology workers who want to increase their cloud operations knowledge

Prerequisites

We recommend that participants in this course meet the following prerequisites:

- Previous attendance of the AWS Technical Essentials course
 - Knowledge of software development or system administration
 - Experience with maintaining operating systems from the command line (shell scripting in Linux environments, cmd or PowerShell in Windows)
- Basic knowledge of network protocols (TCP/IP, HTTP)

Practical lab exercises with the AWS environment are part of the training. In order to be able to carry out these successfully, an internet-capable notebook (Windows, Linux, MacOS) is a prerequisite.

Important: Therefore, please bring your notebook to the course! If this is not possible, please contact us in advance.

Course Target

Please note our overview AWS Trainings!

This Course in the Web



You can find the up-to-date information and options for ordering under the following link:

www.experteach-training.com/go/JMSO

Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in a non-committal manner. This can also be done by phone under +49 6074/4868-0.

Guaranteed Course Dates

To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

Your Tailor-Made Course!

We can precisely customize this course to your project and the corresponding requirements.

Training	Prices, excl. of V.A.T.	
Classes in Germany	4 Days	€ 2,285
Online Training	4 Days	€ 2,285
Date/course venue	Course language German	
18/06-21/06/24 <input type="checkbox"/> Online		

Status 04/09/2024



Table of Contents

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Module 1: Introduction to System Operations on AWS	Hands-On Lab: Infrastructure as Code	Hands-On Lab: Implementing IAM permissions boundaries
Systems operations	Module 5: Manage Resources	Module 9: Operate Secure and Resilient Networks
AWS Well-Architected Framework	AWS Systems Manager	Building a secure Amazon Virtual Private Cloud (Amazon VPC)
AWS Well-Architected Tool	Troubleshooting scenario	Networking beyond the VPC
Module 2a: Access Management	Hands-On Lab: Operations as Code	Troubleshooting scenario
Access management	Module 6a: Configure Highly Available Systems	Module 10a: Mountable Storage
Resources, accounts, and AWS Organizations	Distributing traffic with Elastic Load Balancing	Configuring Amazon Elastic Block Storage (Amazon EBS)
Module 2b: System Discovery	Amazon Route 53	Sizing Amazon EBS volumes for performance
Methods to interact with AWS services	Module 6b: Automate Scaling	Using Amazon EBS snapshots
Introduction to monitoring services	Scaling with AWS Auto Scaling	Using Amazon Data Lifecycle Manager to manage your AWS resources
Tools for automating resource discovery	Scaling with Spot Instances	Creating backup and data recovery plans
Inventory with AWS Systems Manager and AWS Config	Managing licenses with AWS License Manager	Configuring shared file system storage
Troubleshooting scenario	Troubleshooting scenario	Module 10b: Object Storage
Hands-On Lab: Auditing AWS Resources with AWS Systems Manager and AWS Config	Module 7: Monitor and Maintain System Health	Deploying Amazon Simple Storage Service (Amazon S3) with Access Logs, Cross-Region
Module 3: Deploy and Update Resources	Monitoring and maintaining healthy workloads	Replication, and S3 Intelligent-Tiering
Systems operations in deployments	Monitoring distributed applications	Hands-On Lab: Automating with AWS Backup for Archiving and Recovery
Tagging strategies	Monitoring AWS infrastructure	Module 11: Cost Reporting, Alerts, and Optimization
Deployment using Amazon Machine Images (AMIs)	Monitoring your AWS account	Gaining AWS cost awareness
Deployment using AWS Control Tower	Troubleshooting scenario	Using control mechanisms for cost management
Troubleshooting scenario	Hands-On Lab: Monitoring Applications and Infrastructure	Optimizing your AWS spend and usage
Module 4: Automate Resource Deployment	Module 8: Data Security and System Auditing	Hands-On Lab: Capstone lab for SysOps
Deployment using AWS CloudFormation	Maintaining a strong identity and access foundation	
Deployment using AWS Service Catalog	Implementing detection mechanisms	
Troubleshooting scenario	Automating incident remediation	
	Troubleshooting scenario	

