Advanced Architecting on AWS

Trainings-ID: AWSA02

Zum Seminar →

Das nehmen Sie mit

In this course, each module presents a scenario with an architectural challenge to be solved. You will examine available AWS services and features as solutions to the problem. You will gain insights by participating in problem-based discussions and learning about the AWS services that you could apply to meet the challenges. Over 3 days, the course goes beyond the basics of a cloud infrastructure and covers topics to meet a variety of needs for AWS customers. Course modules focus on managing multiple AWS accounts, hybrid connectivity and devices, networking with a focus on AWS Transit Gateway connectivity, container services, automation tools for continuous integration/continuous delivery (CI/CD), security and distributed denial of service (DDoS) protection, data lakes and data stores, edge services, migration options, and managing costs. The course concludes by presenting you with scenarios and challenging you to identify the best solutions.

In this course, you will learn to:

- Review the AWS Well-Architected Framework to ensure understanding of best cloud design practices by responding to poll questions while following a graphic presentation
- Demonstrate the ability to secure Amazon Simple Storage Service (Amazon S3) virtual private cloud (VPC) endpoint connections in a lab environment
- Identify how to implement centralized permissions management and reduce risk using AWS Organizations organizational units (OUs) and service control policies (SCPs) with AWS Single SignOn
- Compare the permissions management capabilities of OUs, SCPs, and AWS SSO with and without AWS Control Tower to determine best practices based on use cases
- Discuss AWS hybrid network designs to address traffic increases and streamline remote work while ensuring FIPS 140-2 Level 2, or Level 3 security compliance

- Explore the solutions and products available to design a hybrid infrastructure, including access to 5G networks, to optimize service and reduce latency while maintaining high security for critical onpremises applications
- Explore ways to simplify the connection configurations between applications and highperformance workloads across global networks
- Demonstrate the ability to configure a transit gateway in a lab environment
- Identify and discuss container solutions and define container management options
- Build and test a container in a lab environment
- Examine how the AWS developer tools optimize the CI/CD pipeline with updates based on nearreal-time data
- Identify the anomaly detection and protection services that AWS offers to defend against DDoS attacks
- Identify ways to secure data in transit, at rest, and in use with AWS Key Management Service (AWS KMS) and AWS Secrets Manager
- Determine the best data management solution based on frequency of access, and data query and analysis needs
- Set up a data lake and examine the advantages of this type of storage configuration to crawl and query data in a lab environment
- Identify solutions to optimize edge services to eliminate latency, reduce inefficiencies, and mitigate risks
- Identify the components used to automate the scaling of global applications using geolocation and traffic control
- Deploy and activate an AWS Storage Gateway file gateway and AWS DataSync in a lab environment
- Review AWS cost management tools to optimize costs while ensuring speed and performance
- Review migration tools, services, and processes that AWS provides to implement effective cloud operation models based on use cases and business needs
- Provide evidence of your ability to apply the technical knowledge and experience gained in the course to improve business practices by completing a Capstone Project

Zielgruppen

- Cloud architects
- Solutions architects
- Anyone who designs solutions for cloud infrastructures

Wichtige Informationen
Dieses Training dient zur Vorbereitung auf die Prüfung AWS Certified Solutions Architect - Professional, die zum Status AWS Certified Solutions Architect Professional führt.

Wir weisen darauf hin, dass für ein erfolgreiches Absolvieren des Examens ca. 2 Jahre praktische Erfahrung mit der AWS Cloud empfohlen wird.

Termine & Optionen

Datum	Dauer	Ort	Angebot	Preis
15.04.2024-17.04.2024	3 Tage	Wien	Preis (Präsenz)	€ 2.265,-
15.04.2024-17.04.2024	3 Tage	Wien	Preis (Online)	€ 2.265,-
17.06.2024-19.06.2024	3 Tage	Wien	Preis (Präsenz)	€ 2.265,-
17.06.2024-19.06.2024	3 Tage	Wien	Preis (Online)	€ 2.265,-
19.08.2024-21.08.2024	3 Tage	Wien	Preis (Präsenz)	€ 2.265,-
19.08.2024-21.08.2024	3 Tage	Wien	Preis (Online)	€ 2.265,-
14.10.2024-16.10.2024	3 Tage	Wien	Preis (Präsenz)	€ 2.265,-
14.10.2024-16.10.2024	3 Tage	Wien	Preis (Online)	€ 2.265,-
09.12.2024-11.12.2024	3 Tage	Wien	Preis (Präsenz)	€ 2.265,-
09.12.2024-11.12.2024	3 Tage	Wien	Preis (Online)	€ 2.265,-