AWS Well-Architected Best Practices – Intensive Training («AWSE08»)

This course provides a deep dive into the AWS Well-Architected Framework and its 5 pillars. It also covers the Well-Architected Review process, and using the AWS Well-Architected Tool to complete reviews.

Duration: 1 day
Price: 900.–
Course documents: Digital original AWS courseware

Content

The Well-Architected Framework enables you to make informed decisions about your customers architectures in a cloud-native way and understand the impact of design decisions that are made. By using the Well-Architected Framework, you will understand the risks in your architecture and ways to mitigate them.

Module 1: Well-Architected Introduction

- History of Well-Architected
- Goals of Well-Architected
- What is the AWS Well-Architected Framework?
- The AWS Well-Architected Tool

Module 2: Design Principles

- Operational Excellence
- **Lab 1: Operational Excellence**
- Reliability
- **Lab 2: Reliability**
- Security
- **Lab 3: Security**
- Performance Efficiency
- **Lab 4: Performance Efficiency**
- Cost Optimization
- **Lab 5: Cost Optimization**

Key Learnings

- Identifying the Well-Architected Framework features, design principles, design pillars, and common uses
- Applying the design principles, key services, and best practices for each pillar of the WellArchitected Framework
- Using the Well-Architected Tool to conduct Well-Architected Reviews

Target audience

This course is intended for the following job roles:

- Solution Architect
- Cyber Security

Why should you attend this specific course? What are my benefits from taking this course? The **Voice of the Instructor answers these questions**. We have asked our instructor team to write a short text about WHY this course is very relevant for the respective job roles and what you can expect from attending the course. You can find this section in the course description under the «*Additional Information*» section.

Requirements

We recommend that attendees of this course have attended the following course (or equivalent knowledge). Please note that the Security Engineering on AWS (AWSS04) is only applicable when you are part of the Cyber Security track:

- Architecting on AWS – Intensive Training («AWSA01»)
- AWS Cloud Practitioner Essentials – Intensive Training («AWSE03»)
- AWS Technical Essentials – Intensive Training («AWSE01»)

Additional information

Voice of the Instructor

Attending the AWS Well-Architected Best Practices 1-day course will enhance your understanding and implementation skills of architectural best practices in AWS cloud environments equipping you with the knowledge and skills to design and deploy robust, scalable, and efficient architectures aligned with AWS Well-Architected Framework. Key benefits of attending the AWS Well-Architected Best Practices course include:

1. Comprehensive overview of the AWS Well-Architected Framework's key principles and best practices, allowing attendees to gain a deep understanding of the various pillars of the framework, including security, reliability, performance efficiency, cost optimization, and operational excellence. This knowledge enables participants to design architectures that meet specific requirements and industry standards.
2. Enhance Architecture design skills to design architectures that leverage AWS services, design patterns, and reference architectures to build secure, scalable, and highly available solutions. The course emphasizes the importance of incorporating fault tolerance, elasticity, and automation into architectural designs to optimize performance and ensure high availability.
3. Understanding and implementing Risk Mitigation best practices as outlined in the AWS Well-Architected Framework. Lower the risks associated with cloud deployments by deploying security controls, risk assessment methodologies, and compliance considerations to proactively identify and address potential hazards, ensuring data and resources' confidentiality, integrity, and availability.
4. Learning Performance Optimization strategies tailored for AWS cloud environments. Participants learn how to select the right AWS services, employ effective monitoring and logging practices, and leverage automation tools for efficient resource utilization. By implementing these best practices, attendees can optimize system performance, reduce latency, and enhance user experience.
5. Cost Efficiency: Attending the course enables individuals to design cost-effective architectures and optimize resource utilization. Participants gain insights into AWS cost management tools, such as AWS Cost Explorer and AWS Trusted Advisor, and learn techniques to control costs, implement cost allocation strategies, and identify cost optimization opportunities. This

knowledge helps organizations maximize their return on investment and optimize cloud expenditure.

AWS Well-Architected Best Practices course allows you the enhance the knowledge and skills to design, deploy, and optimize architectures that not only adhere to industry-leading practices but also are capable of scale, while maintaining a secure and high-performing AWS environment that meets the needs of your organization and leverage the compiled wisdom in the AWS Well-Architected Framework.

Further courses

- AWS Security Best Practices – Intensive Training («AWSB09»)
- Advanced AWS Well-Architected Best Practices – Intensive Training («AWSE09»)

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-it-provider/amazon-web-services-aws/aws-solutions-architect/course-aws-well-architected-best-practices-intensive-training