



AWS Well-Architected Best Practices

Course ID #: 7000-717-ZZ-Z

Hours: 7

Course Content

Course Description:

In this course, you will cover how 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. This course is designed to provide a deep dive into the AWS Well-Architected Framework and its 5 pillars. This course also covers the Well-Architected Review process and using the AWS Well-Architected Tool to complete reviews.

Course Objectives:

In this course, you will learn to:

- Identify the Well-Architected Framework features, design principles, design pillars, and common uses
- Apply the design principles, key services, and best practices for each pillar of the Well-Architected Framework
- Use the Well-Architected Tool to conduct Well-Architected Reviews

Prerequisites:

AWS Cloud Practitioner Essentials (recommended)

AWS Technical Essentials (recommended)

Architecting on AWS (recommended)

Target Audience:

Technical professionals involved in architecting, building, and operating AWS solutions.

Topics:

Lesson 1: Well-Architected Introduction

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

Lesson 2: Design Principles

- Operational Excellence *Lab: Operational Excellence*
- Reliability *Lab: Reliability*
- Security *Lab: Security*
- Performance Efficiency *Lab: Performance Efficiency*
- Cost Optimization *Lab: Cost Optimization*

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