

# AWS Well-Architected Best Practices

## AWS Classroom Training

### Course description

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 level: Intermediate
- Duration: 1 day

### Activities

This course includes presentations, case studies, hands-on labs, and knowledge checks.

### 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

### Intended audience

This course is intended for:

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

### Prerequisites

We recommend that attendees of this course have:

- Knowledge of core AWS services  
(Course: *AWS Cloud Practitioner Essentials*)
- Knowledge of AWS management interfaces  
(Course: *AWS Technical Essentials*)
- Knowledge of core AWS design and architecture (Course: *Architecting on AWS*)

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## Course outline

### 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