

# AWS Well-Architected Best Practices

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**Course Number: AWS-WELLARCH**

**Duration: 1 days**

## Overview

### Course Description

The AWS Well-Architected Framework helps you make informed decisions about your customers' architectures cloud-focused way and understand the impact of design decisions. By using the Well-Architected Framework, you will understand the risks in your architecture and ways to mitigate them. This course provides a deep dive into the AWS Well-Architected Framework and its six pillars. This course also covers the Well-Architected review process and using the AWS Well-Architected Tool to complete reviews.

### Skills Gained

- Identify the AWS 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 AWS Well-Architected Tool to conduct Well-Architected reviews

### Who Can Benefit

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

## Prerequisites

Recommended previous knowledge

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

## Audience

## Course Details

## 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