

**Advanced AWS Well-Architected Best Practices**

**Course Number:** AWS-152
**Duration:** 1 day

**Overview**

Do you want to identify and prevent major risks in your architecture? This on-site or online Advanced AWS Well-Architected Best Practices course teaches you how to identify and devise solutions for high- and medium-risk issues. This AWS Classroom Training course provides you with a consistent approach to performing Well-Architected Reviews. In addition, you use the AWS Well-Architected Tool to assess each workload so you can ensure your cloud infrastructure scales securely and efficiently.

Accelebrate is an AWS Training Partner (ATP) and this hands-on official AWS Classroom Training course is taught by an accredited Amazon Authorized Instructor (AAI).

**Prerequisites**

All attendees should have taken [AWS Well-Architected Best Practices](file:////training/aws-well-architected) or have equivalent experience.

**Materials**

All Advanced AWS training students receive comprehensive courseware.

**Software Needed on Each Student PC**

A modern web browser and an Internet connection that allows connections by SSH or Remote Desktop (RDP) into AWS virtual machines.

**Objectives**

* Understand the AWS Well-Architected Framework Review phases, process, best practices, and anti-patterns
* Explore high- and medium-risk issue identification using the AWS Well-Architected Tool
* Understand prioritizing improvements to the AWS Well-Architected Framework workflow
* Locate and use AWS Well-Architected Framework resources and solutions

**Outline**

* Introduction
* AWS Well-Architected Framework Reviews
	+ Workload definition
	+ Key concepts of a workload
	+ AWS Well-Architected Review phases
	+ AWS Well-Architected Review approach, lessons learned, and use case
	+ AWS Well-Architected Review best practices
	+ AWS Well-Architected Review Anti-Patterns
* Customer Scenario Group Sessions
	+ Demonstration of a Review question and answer example
	+ Operational excellence
		- Group role-play exercise
		- Two questions in this pillar
	+ Security
		- Group role-play exercise
		- Three questions in this pillar
	+ Reliability
		- Group role-play exercise
		- Three questions in this pillar
	+ Performance efficiency
		- Group role-play exercise
		- Three questions in this pillar
	+ Cost optimization
		- Group role-play exercise
		- Three questions in this pillar
* Risk Solutions and Priorities
	+ AWS Well-Architected workflow
	+ Defining and solutioning high-risk issues (HRIs) and medium-risk issues (MRIs)
	+ Identifying significant risks and solutioning group discussion for
		- Operational excellence
		- Security
		- Reliability
		- Performance efficiency
		- Cost optimization
	+ Prioritizing improvements
* Resources
	+ Resource pages
	+ AWS Well-Architected ISVs
* Course Summary
	+ Objective recap
	+ Debrief
	+ What’s next?
* Conclusion