

## Training: AWS Advanced AWS Well-Architected Best Practices



### TRAINING GOALS:

This interactive course provides a deep dive into Amazon Web Services (AWS) best practices to help you perform effective and efficient AWS Well-Architected Framework Reviews. The course covers the phases of a review, including how to prepare, run, and get guidance after a review has been performed. Attendees should have familiarity with the AWS concepts, terminology, services, and tools that are covered in the intermediate, 200-level AWS Well-Architected Best Practices.

This course provides an AWS Well-Architected Framework Review simulation and instructor-led group exercises and discussions regarding prioritizing and solutioning risks. The content focuses on teaching learners how to prepare proposals on high and medium risk issues using the AWS Well-Architected Tool.

#### Course objectives

In this course, you will explore:

- Workload definition and key concepts
- The AWS Well-Architected Framework Review phases, process, best practices, and anti-patterns
- High and medium risks
- Prioritizing improvements to the AWS Well-Architected workflow
- Locating and using the AWS Well-Architected Framework white paper, labs, prebuilt solutions in the AWS solutions library, AWS Well-Architected independent software vendors (ISVs), and AWS Well-Architected Partner Program (WAPP)

#### Intended audience

Learners who will find this course applicable to their work include:

- Solutions architects
- Cloud practitioners
- Data engineers
- Data scientists
- Developers

## CONSPECT:

- Module 1: 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
- Module 2: 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
- Module 3: 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

- Module 4: Resources
  - Resource pages
  - AWS Well-Architected ISVs
- Module 5: Course Summary
  - Objective recap
  - Debrief
  - What's next?

## REQUIREMENTS:

We recommend that attendees of this course have:

- Architecting on AWS
- AWS Well-Architected Best Practices

## Difficulty level



## CERTIFICATE:

The participants will obtain certificates signed by AWS (course completion).

## TRAINER:

AWS Authorized Instructor (AAI)