

The Onica Well-Architected Review offer is intended to educate customers on architectural best practices for designing and operating reliable, secure, efficient, and cost-effective systems in the cloud. This offer was developed around the Amazon Web Services (AWS) Well-Architected Framework, which helps customers understand the pros and cons of decisions made while building systems on AWS.

The AWS Well-Architected Framework is based on five pillars.



AWS Well-Architected Framework Pillars



OPERATIONAL EXCELLENCE

The ability to run and monitor systems to deliver business value and to continually improve supporting processes and procedures.



SECURITY

The ability to protect information, systems, and assets while delivering business value through risk assessments and mitigation strategies.



RELIABILITY

The ability of a system to recover from infrastructure or service failures, dynamically acquire computing resources to meet demand, and mitigate disruptions such as misconfiguration or transient network issues.



PERFORMANCE EFFICIENCY

The ability to use computing resources efficiently to meet system requirements and to maintain that efficiency as demand changes and technologies evolve.



COST OPTIMIZATION

The ability to avoid or eliminate unnecessary cost or suboptimal resources.

When architecting solutions, your organization can make trade-offs between the pillars based upon your business requirements, these decisions will drive your engineering priorities. For example, your organization may choose to optimize for lower costs at the expense of reliability in development environments. Or in an e-commerce solution where performance can affect revenue and a customer's propensity to buy, you may opt for higher costs and better performance. Security and operational excellence are generally not traded-off against other pillars.

General Design Principles

The Well-Architected Framework identifies a set of general design principles to facilitate good design in the cloud:

- Stop guessing your capacity needs
- Test systems at production scale
- Automate for easier architectural experimentation
- Allow for evolutionary architectures
- Data-driven architectures
- Improve through game days

Offer Details

Onica will utilize the AWS Well-Architected Framework principals and tools to deliver a comprehensive review of one workload to the Customer. A workload is defined as a set of machines, instances, or servers that together enable the delivery of a service/application to internal and/or external customers. Examples include an e-commerce website, business application, web application, etc. Through this review and guidance from the AWS Well-Architected Framework, Onica will provide the Customer an analysis of the workload through the lens of the Framework pillars, as well as a mitigation plan for correction areas that do not comply with framework recommendations.

The total effort required to complete a Well-Architected review varies from workload to workload. The average duration is five (5) days and is broken out as follows:

- A one (1) day on-site, in-person review and architecture deep-dive with Customer stakeholders for comprehensive data collection of the workload and to understand the business/IT context of the identified workload. Context is important to understand as it can have a direct impact on recommended remediation, if applicable.
- Up to three (3) days of analysis of the collected data, cross-analysis of the workload via the guidance offered by the Framework, and formulation of any recommended remediation, if applicable.
- Creation of a review and analysis document, outlining all findings and recommendations.
- Review with the Customer documents, remediation steps, and other guidance determined through the Well-Architected review.

Deliverables

Well-Architected Review Analysis &

Recommendations Report: A detailed list of information collected during the review in addition to thorough analysis of the workload against the various pillars of the AWS Well-Architected Framework. The report will focus on areas where the current state is outside the recommended guidelines of the Framework, as well as information around the deviation and contextual severity. Additionally, remediation steps, actions, or options for each item will be provided.

All work product created exclusively for the

review project: This content will be made securely available through online document sharing at the conclusion of the review.