



# AWS Well Architected Review

## Challenges

Maximizing Cloud Workloads for optimal Performance, Reliability, Security and Cost Efficiency

Explore the path to optimizing your cloud workloads and harness the full potential of your platform. Achieve unparalleled levels of reliability, security, performance, and sustainability while maintaining a keen focus on cost and operational efficiency. Discover how to strike the perfect balance between cutting-edge capabilities and budget-friendly solutions, ensuring your business thrives with seamless and resourceful cloud utilization.

As business is dynamic, the application and IT-Environment are subject to change. A regular and repetitive WA Review is essential to ensure Security, Cost Optimization, Reliability, Performance Optimization, Operational Excellence and Sustainability in a dynamic environment.

## The ELCA Solution

Elevate Your AWS Infrastructure with Well-Architected Best Practices

AWS Well-Architected is a mechanism to help you build secure, high-performing, resilient, and efficient infrastructure for a variety of applications and workloads. Well-Architected gives your access to the knowledge developed over thousands of architectural reviews with customers to ensure your workload follows best practices and reducing architectural and process risks all the time.

Well-Architected reviews focuses on in six key areas (security, reliability, cost optimization, performance efficiency, operational excellence and sustainability).

The review is not an audit, it is intended to be used to improve, in a collaborative mindset. It is also not a 30'000 feets architecture review, it is designed to be pragmatic, made of proven and actionable advices.

## Benefits

Well architected reviews allows you to build and deploy faster, lower or mitigate risks, make informed decisions and adopt AWS best practices

### Workload Improvement

After the review, deploy actions which will help you to run workload effectively and secure, maintain efficiency as demand changes, minimize costs and maximize your return.

### Learn Best practices

By applying recommended design principles and best practices you also learn how to make your future workloads more efficient and secure, following AWS best-practice makes a multi-year, large and critical customer workload experience available for you.

### Get Credits

Leverage cost with free AWS Credits for reviewed and remediated workload. This cost-effective incentive allows you to enhance the financial efficiency of your AWS environment while ensuring that your architecture is well-optimized.

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# ELCA on AWS

ELCA boasts a dynamic, international team proficient in delivering tailor-made and standardized digital transformation solutions in Switzerland, generating positive impacts for over 1,000 clients. AWS, on the other hand, excels in operational excellence, offering cloud-scale services while maintaining governance, security, and compliance. By combining ELCA's expertise in business-technology interface solutions with AWS's robust operational tools, the broadest and widest cloud capabilities and agility, organizations can achieve transformative IT operations, fostering business agility, innovation, and efficient governance within a secure and scalable environment. This collaboration offers a comprehensive solution to meet diverse business needs effectively.

## ELCA

### Use Case: Secutix



#### > Challenges

SecuTix e-Payment Center is a multi-tenant payment integration solution which supports multiple world-wide payment providers. This product running on AWS has mandatory regulatory and compliance requirements, in particular PCI-DSS for which a regular audit is a must-have. After years of usage, it was considered worthwhile to review the solution readiness for current and future needs.

#### > Solution

Building upon the existing architectural design and configuration documentation furnished for the PCI-DSS audit, ELCA Engineering has spearheaded a comprehensive Well-Architected assessment using the AWS Well-Architected Tool. This evaluation placed special emphasis on the performance and security pillars, ensuring an appropriate analysis of the system's robustness and protection.

#### > Results

The report pinpointed key areas of improvement that require attention, effectively mitigating any remaining risks associated with workload deployment and ensures to meet the governance and regulatory needs all the time. Moreover, this process offered an extra advantage by facilitating the documentation of architectural choices and trade-offs.



## Features

### The review

The plan begins with identifying workloads for the Well-Architected review, followed by selecting relevant pillars and preparing a questionnaire. Then, a remote review of workloads is conducted using the AWS Well-Architected Framework. Finally, a comprehensive document of findings is compiled, along with a quotation for professional services to address high-risk issues with prioritized risk levels.

### The remediation

On the remediation phase, a comprehensive analysis of the identified issues is undertaken to understand their scope and impact. Subsequently, a structured action plan is formulated, prioritizing critical areas and outlining specific tasks and milestones. A dedicated AWS specialist is then assigned to execute the plan, ensuring effective implementation within the agreed timeline, with regular monitoring and evaluation to guarantee successful resolution and adherence to AWS Well Architected best practices.

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ELCA solutions on AWS



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**ELCA**  
*We make it work.*