AWS WELL-ARCHITECTED FRAMEWORK REVIEW

FREE Comprehensive IaaS Analysis, to Boost Performance and Security While Optimizing Costs

OPERATIONAL EXCELLENCE ① › **SECURITY** ② › **RELIABILTY** ③ › **PERFORMANCE** ④ › **COST OPTIMIZATION** ⑤

THE 5 PILLARS OF WELL-ARCHITECTED FRAMEWORK (WAF) have been developed to help cloud architects build secure, high-performing, resilient, and efficient infrastructure for their applications. Based on — operational excellence, security, reliability, performance efficiency, and cost optimization — the Framework provides a consistent approach for customers and partners to evaluate architectures, and implement designs that maximize performance, minimize cost and will scale at the pace of business.

THE WELL-ARCHITECTED FRAMEWORK REVIEW PROCESS ▼

As an AWS Well-Architected Practitioner Foghorn Consulting is able to execute WAF reviews and help build strategies to help you compare your workload against AWS best practices, and obtain guidance to produce stable and efficient systems so you can focus on innovation and business growth.

KICKOFF
Educational Session on Well Architected Principles and Benefits

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REVIEW
Workshop to document current architecture and operations practices

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REPORT
AWS report of critical, high to medium priority remediation opportunities

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REMEDIATE
Optionally, Foghorn can remediate prioritized items

1. OPERATIONAL EXCELLENCE

Armed with deep industry experience and AWS's DevOps Competency, Foghorn begins the review process by analyzing the client's ability to run and monitor systems to deliver business value and support business outcomes. Our end goal from this part of the WAF is to identify opportunities to further integrate operations into the DevOps mission to continually improve supporting processes and procedures.

DESIGN PRINCIPLES

> Perform operations as code
> Annotate documentation
> Make frequent, reversible changes
> Refine operations procedures
> Anticipate failure
> Learn from all operational failures

2. SECURITY

From IAM to incident response, organizations following AWS's Shared Responsibility Model and security best practices are protected. With AWS's Security Competency Foghorn's certified Engineers know security best practices across verticals. A security evaluation validates the tools and techniques used to secure a client's AWS infrastructure to prevent financial and reputation loss while realizing compliance.

> Implement a strong ID foundation
> Enable traceability
> Apply security at all layers
> Automate security best practices
> Protect data in transit and at rest
> Prepare for security events

3. RELIABILITY

With a well-planned foundation and monitoring in place, an organization can handle demand spikes and all system requirements. Foghorn's Engineers study the client's AWS environment to guarantee it can detect failure and automatically heal itself. Resilient designs based on best practices can recover from infrastructure or service disruptions, dynamically acquire computing resources to meet demand, and mitigate disruptions.

> Test recovery procedures
> Automatically recover from failure
> Scale horizontally to increase aggregate system availability
> Stop guessing capacity
> Manage change in automation

4. PERFORMANCE EFFICIENCY

Foghorn takes a data-driven approach to analyze all aspects of the architecture, to make sure computing resources are being used efficiently to meet system requirements. Engineers examine if it is possible to maintain that efficiency as demand changes and technologies evolve.

> Democratize technologies
> Go global in minutes
> Use serverless architectures
> Experiment more often
> Mechanical sympathy

5. COST OPTIMIZATION

Depending on the need for speed or cost savings, our Engineers identify ways to avoid or eliminate unneeded cost and shift away from suboptimal resources. Over provisioned architectures that don't take advantage of current best practices can impact the bottom line negatively and be unnecessary. By peeking under the hood Foghorn's recommendations from a WAF, typically save much more than the cost to carry one out.

> Adopt a consumption model
> Measure overall efficiency
> Stop data center spend
> Analyze and attribute expenditure
> Use managed services to reduce cost of ownership

NEXT STEPS

Like a tune-up for a car, MRI for the body, or energy audit of a building, a Well-Architected Framework Review is a valuable exercise to ensure everything is operating at peak performance and catch any issue while they are small and manageable. AWS recommends a WAF review every 12-18 months.

INCENTIVES

AWS is currently offering up to

$5,000 IN CREDITS

for approved Well-Architected Review remediation activities performed by Foghorn. The only thing you have to lose is security vulnerabilities, inefficient performance, and underutilized resources.

For a deeper look at Foghorn's capabilities please visit: https://foghornconsulting.com/aws-well-architected-practitioner/

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aws partner network

Premier
Consulting
Partner

DevOps Competency
Security Competency
Solution Provider

Foghorn Consulting is an AWS APN Premier Consulting Partner with DevOps and Security Competencies. Their seasoned Cloud and DevOps Engineers design, build and deploy digital transformations that accelerate innovation in the cloud. Over the last decade they have designed compliant and competition rattling solutions for many of the country's leading companies.
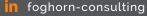
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