

Coral™ – Continuous assurance for the AWS Well-Architected Framework



Challenges

Achieving Best-of-Breed AWS Infrastructure

Cloud architects design optimal infrastructure in compliance with the AWS Well-Architected Framework. But, infrastructure needs to continually adhere to Well-Architected. That's harder. The dynamic nature of the cloud affects workload stability, leading to misconfigurations and risks. AWS recommends quarterly compliance checks using their Well-Architected Tool. The customer, together with an AWS consulting partner or solutions architect, conduct the check – a theoretical, manual and time-consuming Q&A compliance review. The protocol is hard-to-perform, too infrequent and can be an obstacle to ongoing adherence. Additionally, it's uncertain whether answers selected offer the best path to compliance, and it's unknown if the customer actually implements changes discussed.



The Coral™ for AWS Solution

Automatic, continuous adherence to AWS Well-Architected best practices

The Coral™ SaaS solution brings automation, specificity, insight, and simplicity to Well-Architected compliance. Added to the more theoretical review organizations and consulting partners conduct using the Well-Architected Tool, once Coral™ is onboarded it highlights pain points and non-adherence to AWS best practices covering all 5 pillars of the Well-Architected Framework. This rapid but in-depth and precise analysis, performed on actual workloads, detects real risks and misconfigurations, provides specific recommendations, and remediation guidelines. It yields insights regarding compliance and proper use of AWS resources to build better and healthy infrastructure over time, and consistently maintains compliance.

Benefits

Coral™ makes the Well-Architected compliance review quick, focused and exact; organizations use Coral™ to continually maintain and track compliance.



Continuous Assurance

Automatic and proactive solution achieves ongoing assurance of compliance with AWS Well-Architected; ensures infrastructure operates optimally for the five pillars



Time and cost-efficiency

Drastically reduce and optimize time spent on the AWS Well-Architected compliance reviews and obtain precise results, reducing associated costs



Visibility

Full, continuous access to compliance and health status using Coral's dashboard; easily see and track trends, analytics and increasing compliance



Facilitates automatic healing

Achieve faster response time and decrease operational costs with automated self-healing

Coral™ and AWS – Better Together

The AWS Well-Architected Framework is essential to building and maintaining sound infrastructure that creates better outcomes for applications and workloads, and sets the standard for evaluating architectures. High-level compliance reviews with the customer and consulting partner, using the Well-Architected Tool, allow the right questions to be asked and better design paths to be chosen. However, there is no assurance that changes discussed with customers are actually made. When Coral™ is implemented, it quickly pinpoints problems and misconfigurations and provides instructions for repair. Such validated information, along with implications of risks, strongly motivate customers to make needed repairs and maintain compliance.

Features



Deep Knowledge

Coral™ enables continual compliance with AWS Well-Architected best practices through its powerful risk detection engine which runs configuration analyses against its extensive, constantly growing and updated knowledge base of 300+ rules. It contains the information required for maintaining optimal infrastructure, from AWS and other relevant sources. Machine learning algorithms and crowd knowledge enable visibility into the AWS environment and configurations. Problem areas are pinpointed, allowing repair before they erupt into costly disruptions to business.



Visibility and Control

To preserve optimally-built infrastructure, visibility and control are key capabilities allowing misconfigurations and flaws threatening robustness to be immediately highlighted and repaired. Coral's dashboard, with its compliance view, pinpoints areas of non-adherence to Well-Architected and provides in-depth information per account and workload, including compliance and health status regarding risks and configurations. Potential impact of each risk on critical business services is clearly described. Easy-to-follow guidelines for proactive repair of risks are provided. Organizations can track adherence improvement over time.

Case Study: [Certsys adopts Coral™ to assure adherence to the AWS Well-Architected Framework](#)



Challenges

Digital transformation company, Certsys, needed to be sure their environment was consistently compliant with the AWS Well-Architected Framework. They knew this was key to meeting their goals for disruption-free 24x7x365 availability and security.



Solution

Initial scans of Certsys's AWS environment revealed 77 violations of AWS Well-Architected Framework standards, including risks to security, reliability and operational excellence in domains such as virtual machines, databases, networking, etc. The solution provided clear explanations and instructions for repair.



Results

Coral™ ensures Certsys continuously meets Well-Architected standards and best practices. Detected risks are reported as incidents on the ITSM tools they already use. Certsys has seen significant improvement in reliability and is confident in their ability to protect data.

Get started with Continuity Software solutions on AWS

Visit [Coral™ on AWS Marketplace](#) to purchase or start a [Free Trial](#) today.