

AWS Security Guardrails Catalyst

Quickly establish an AWS presence that meets technical security framework guidance by establishing automated guardrails that ensure your environments remain compliant.

Maintaining security and compliance in today's world is an exercise in constant vigilance as deployments, risks, and emerging threats are in a constant state of evolution. In order to keep up with increasing complexity and rate of change, Caylent recommends a continuous compliance approach founded upon security automation, to ensure that your technology portfolio remains within a prescribed set of guardrails, customized to your needs.

Caylent's AWS Security Guardrails Catalyst provides an accelerated starting point based on DevSecOps best practices and industry compliance standards. While security isn't "one size fits all", this catalyst will get critical controls in place quickly and cost effectively by helping you select the appropriate controls and implementing AWS services needed to monitor those controls followed by initial prioritization of any findings we uncover based on your selected rules.

Key Activities

Mapping & Controls Review

Review AWS Shared Responsibility Model, select AWS Security Hub standards to enable, & select appropriate Conformance Pack with recommended rule exclusions

Design Workshops

Conduct workshops to configure accounts, security dashboards, security roles & permissions design, alert configurations, and operational flow design and enablement for selected workloads

Implementation

After review, we'll enable and configure CloudTrail, Amazon GuardDuty, AWS Security Hub, and AWS Config in production accounts with chosen Conformance Packs deployed

Engagement Details

Highlights

- To accelerate adoption, we'll leverage recommended baseline configurations for HIPAA, PCI, SOC2, or NIST 800-53 that can be further customized as appropriate for your own standards.
- Throughout and at the conclusion of the project, Caylent engineers will engage with your team to transfer knowledge on the operation of the infrastructure and usage of the automation developed for this project.

Deliverables

- Security roles & permissions, alert configuration, and operational flow design
- Enable CloudTrail & Amazon GuardDuty, configure AWS Security Hub & AWS Config, and deploy Conformance Pack to production accounts
- Conduct up to ½ day review and assist in prioritizing findings in production environments
- Handoff all diagrams, documentation, source code, scripts, and additional technical artifacts