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# CLOUD SECURITY ASSESSMENT FOR A HEALTHCARE BENEFITS PLATFORM

## AWS Well-Architected and Zero Trust transformation roadmap

## Challenge

A healthcare benefits platform handling sensitive VIP and PHI data operated a flat AWS environment, with development, staging, and production workloads running in a single primary account. Weak IAM controls, low patch compliance (~52%), and insufficient segmentation created significant security and compliance risks. Limited monitoring, outdated architecture documentation, and gaps in governance further restricted leadership visibility and constrained risk management across the cloud estate.

## Approach

**Conducted** a 6-week focused cloud infrastructure assessment led by a U.S.-based AWS-certified architect, benchmarking the environment against the AWS Well-Architected Framework and Zero Trust principles.

**Reviewed** account architecture, IAM, networking, EKS, databases, patching, monitoring, and cost governance to surface risks, gaps, and PHI isolation exposure.

**Produced** a board-ready deliverable including current-state analysis, risk heatmap, gap assessment, and a target-state architecture aligned to healthcare compliance.

**Defined** an actionable, phased roadmap covering multi-account architecture, IAM hardening, PHI isolation, compliance automation, and cost optimization.

## Outcomes Delivered

Delivered a board-ready security and compliance picture with a clear risk heatmap and target-state architecture for leadership decision-making.

Established a phased transformation roadmap covering IAM hardening, PHI isolation, multi-account redesign, and compliance automation.

Strengthened leadership visibility into cloud risk and laid a scalable foundation for next-generation healthcare cloud operations.

## Closing

Veltris combined AWS-certified architecture expertise, Zero Trust principles, and healthcare compliance depth to give a benefits platform a clear, board-ready picture of cloud risk — and a phased roadmap for transforming security, governance, and resilience at scale.