



CASE STUDY

MULTI-CLOUD ASSESSMENT FOR A GLOBAL SOFTWARE COMPANY

Enhancing AWS and Azure environments to improve security, performance, and cost efficiency across a complex hybrid infrastructure.

VERTICAL

Software

SERVICES

- AWS & Azure Cloud Assessment
- Security & Compliance Review
- Cloud Optimization & Governance
- Hybrid Infrastructure Strategy

WHY ECI

- Proven expertise across AWS, Azure, and hybrid architectures
- Deep experience in multi-team, multi-environment optimization
- Actionable, data-driven recommendations with clear ROI
- End-to-end guidance—from assessment through implementation

CHALLENGE

A global software company operated a complex hybrid environment across on-prem servers, Azure, and AWS. Multiple teams had built independent environments—resulting in inconsistent configurations, rising costs, and security risks. Azure hosted monolithic applications, while AWS ran microservices on Kubernetes clusters, creating management challenges and performance bottlenecks. The company needed a comprehensive cloud assessment to uncover vulnerabilities, improve efficiency, and align infrastructure with best practices.

SOLUTION

ECI conducted a multi-cloud assessment to evaluate security, performance, and cost across both Azure and AWS. The review covered network design, IAM controls, data protection, and resource optimization—analyzing VPCs, encryption protocols, access policies, and workload configurations. ECI also assessed Kubernetes clusters, databases, and serverless functions to ensure scalability and compliance. The engagement delivered a clear picture of the company's cloud health, with actionable steps to improve governance, efficiency, and security.

RESULT

ECI's assessment identified critical opportunities for governance, modernization, and cost savings. The client implemented AWS Organizations for better account control, isolated internal and external DNS zones, upgraded Kubernetes clusters, and enforced DevOps security best practices. By right-sizing resources and adopting Reserved Instances, the company reduced cloud spend while strengthening its security posture and operational agility—transforming its hybrid cloud into a secure, efficient, and scalable environment.