



Cloud Infrastructure Consolidation

CLIENT PROFILE

A large outdoor equipment manufacturer



BUSINESS CHALLENGE

The client IT Infrastructure team was experiencing issues with shadow IT. At the time, the team was not providing public cloud support. So, the internal organizations were bypassing them to procure and deploy cloud services across multiple vendors. The spread of shadow IT across independent cloud instances, often paid for by different business units, prevented the company from receiving the best pricing. More importantly, these activities threatened corporate security and compliance.



OUR SOLUTIONS

The IT Infrastructure team engaged Keyva to execute and operationalize a cloud consolidation project to help address security and compliance concerns, as well as realize cost savings.

Keyva engineers worked with the client to create a cloud consolidation plan that aligned to the organization's cloud journey. Keyva built Infrastructure-as-Code (IaC) using CloudFormation to automate AWS cloud provisioning and management tasks. AWS Well-Architected Framework principles were applied to consolidated organization and workloads. We also set-up ownership assignments, compliance guidelines, cost optimization structures, and architecture framework assessments for each Cloud Service Provider.

Keyva engineers supported the internal infrastructure team during design, consolidation, support, and operational activities. Initial implementation was done in two-week sprints, and we offered the client the ability to scale up and scale down support based on the engineering expertise they needed. Through the course of the project, Keyva brought in AWS, Azure, ECS, Azure DevOps, and Python experts to address client requirements.

Finally, since security is one of the first casualties of shadow IT, our engineers established security guardrails (SSL, locked public ports, created, security groups, and set-up Direct Connect VPNs) for each public cloud to integrate security into their cloud and IoT projects. The creation of these guardrails helped the client secure communications from their IoT devices to the public cloud and on-premise services.



THE OUTCOMES

This project helped reshape the client's journey to the cloud while providing stakeholders across the company access to cloud expertise and consulting support they did not have previously. Keyva engineers brought in-depth cloud expertise to ensure the client was getting the most out of their platforms with the right security, compliance, and pricing. Ultimately, what was created is a secure, cost-effective, and developer-friendly environment. These activities helped improve internal customer service and team responsiveness, so the IT Infrastructure team is now viewed as an asset for developers, not a roadblock to project delivery.