source allies

Modernizing Cloud Operations at Scale

SUMMARY

A financial services organization needed to move business-critical applications from its on-premise data center while modernizing cloud operations and reducing infrastructure costs. Numerous applications, AWS accounts, operating systems, and vendor technologies added complexity. Source Allies established repeatable migration and automation patterns that reduced risk, supported AWS operations at scale, and prepared internal teams for long-term ownership.

APPROACH

Our team combined cloud architecture, automation, and hands-on enablement to reduce migration risk and establish sustainable AWS operations.

- **Repeatable Cloud Migration:** Developed a structured migration framework combining automated workflows, connectivity validation, infrastructure deployment, and documented processes to reduce risk during application cutovers.
- **Infrastructure Automation:** Used infrastructure as code, deployment pipelines, and AWS-native tooling to automate server migration, configuration, and software installation.
- **Centralized Operations:** Created reusable AWS Systems Manager automation for patching and maintenance that could be centrally managed and distributed across more than 200 AWS accounts.
- **Team Enablement:** Onboarded and upskilled the client's cloud operations team, establishing processes and tools for managing the AWS environment independently.

SOLUTION

Source Allies developed a reusable AWS migration framework combining automated workflows, connectivity validation, infrastructure deployment, and server configuration to make application cutovers more predictable and reduce risk. The framework was transferred to the client's engineering team, which continues to use it for cloud migrations.

A centralized AWS Systems Manager framework provided a single source of truth for patching, maintenance, and server configuration across more than 200 accounts. Application teams could opt into approved configurations through server tagging, with centrally managed updates distributed automatically. Together with hands-on knowledge transfer, these tools enabled the client's engineers to manage and evolve the environment independently.

Results

200+

AWS accounts supported by automated patching and maintenance

98%

Reduction in 1 GB file transfer time

Zero Issues

During the post-migration nightly cycle