



CASE STUDY

A ROBUST SYSTEM TO REVAMP BUSINESS OPERATIONS

ABOUT ACCESS.IO

ACCESS.IO offers world-class Managed Cloud Services to businesses worldwide. In a relatively short period, ACCESS.IO has already served several enterprise clients and has quickly evolved into a niche consulting firm specializing in Cloud Advisory, Cloud Managed Services, and DevOps Automation.

ABOUT AVAIL FINANCE

Founded in 2017, Avail Finance is a financial care service focusing on the unorganized workforce in India. The company aims to identify credit-worthy individuals that are underserved by formalized lending institutions. Avail Finance offers an app-based lending platform, providing instant cashloans with zero interest and no processing fee. The company provides a line of credit that allows access to personal loans in just a few moments. Catering to 400+ Million people across the country, the company serves people regardless of their income, geography, age or gender.

THE CHALLENGE

For better business continuity, Avail Finance was looking for a resilient system capable of auto-healing. They were in need of cloud-enabled best practices for information security to prevent common web exploits. In addition, creating best practices for configuration management, audit trails, patching, etc. was part of their requirements. Besides, the client wanted to accelerate their time-to-market and reduce deployment time for production.

PROJECT TIME DURATION

Started – October 19 | Released – November 19



THE SOLUTION

Access shouldered the responsibility of fulfilling Avail Finance's requirement to build a self-healing system that can withstand business demand. We eliminated every single point of failure at different levels—infrastructure, application, and PaaS. The implementations comprised network security, role-based access, fine-tuned application, server access policies, Cloud Firewall- AWS WAF, and CDN- AWS Cloudfront.

We also defined and deployed CI/CD for major applications to ship new features and defect fixes in a quicker and streamlined manner with proper rollback handling.

Solutions for Golden AMI, configuration management, and audit and governance-related alerts were also designed.

AWS ADVANTAGES

AWS provides a comprehensive set of tools and services which helps companies to scale with the usage. This gives the ability to acquire resources when you need them, and release when the resources are no longer needed.

AWS also provides the highest level of security that a financial services company can rely on. In addition, this provides tools and information to assist customers in their efforts to account for and validate that controls are operating effectively in their extended IT environment. This not only helps in securing the cloud under the AWS Shared Responsibility model, but this helps in meeting the regulator's guidelines for Financial Services company.

THE FINAL OUTCOME

As a result, we witnessed the following business outcomes:

- ✓ In the first quarter, no major outages were seen.
- ✓ We segregated the security policies for production and Dev/Test environments, improving the overall security of the system.
- ✓ By undertaking an Open Web Application Security Project (OWASP), we handled the top vulnerabilities at the Firewall level and improved application security.
- ✓ The manual intervention required in the build and deployment process was eliminated.
- ✓ Overall, the system is driven by cloud best practices, which ameliorates the adoption process of innovative technologies.