



## An End-to-End Inventory Management Software Firm Partner with Cloudaliv to Containerize their Applications and Migrate to Amazon ECS.

### Summary

An inventory management software company was in the process to streamline its processes of maintaining AWS infrastructure and allowing its dev environments to come up and tear as per the developer's need. Also, they need the environment to be highly available, secure and clean continuously to have cost control. With Cloudaliv support and expertise, the inventory management firm migrated their applications to Amazon ECS with high availability at all layers and achieve streamlined processes for infrastructure provisioning with terraform.

### About the Client

An End-to-End inventory management software for business of all sizes, helps manage inventory in a smarter way with item tracking with QR codes, effortlessly create reports to share, track user and inventory activities, effortlessly check-in/out items (move item) to employees, customers, jobs or locations in seconds using the in-app scanner. And give controlled access to anyone from anywhere.



## The Challenge

The Inventory Management software firm needed to containerize their application and migrate to Amazon ECS from Elastic Beanstalk to avoid waiting for Beanstalk platform updates to update their application stack. Also, they want to manage their AWS environment in a streamlined way by avoiding manual environment changes and following DevOps best practices using Infrastructure as a code and CI/CD for application deployments. Moreover, they need the application to be Highly available and scalable, and to be on top of managing AWS with industry best practices.

## The Solution

Cloudaliv evaluated their AWS environment, automated the entire AWS environment with Terraform with documentation for developers to spin up the dev environments whenever they need and tear down. Migrated their application to Amazon ECS Fargate in multiple AZ's with AWS autoscaling to scale applications based on demand. Secure the client environment with High Availability, Threat detection and protection, encryption at rest and in-transit, Web application firewalls for their applications, Purchase reservations to get cost savings and billing alarms to be cost conscious.

## Outcome

Cloudaliv solution helped in migrating their applications to Amazon ECS, achieving the AWS Infrastructure management agility using IAC with cost benefit and Operational Excellence with streamlined processes. Our ongoing support for the inventory management firm helps maintain their AWS environment secure, highly available and fault tolerant.