



Boost Security and Automation Capabilities in the AWS Environment

Maximize your infrastructure and cloud investment, scale up capabilities, capture the value for cloud services, and optimize your IT infrastructure.

Client / HotSpot Parking

IT Infrastructure and Cloud Services

Mariner | AWS Select Consulting Partner

HotSpot Parking, Transit and Taxi began as mobile app which allows users to pay for parking, transit, and taxi all from their mobile device. They have expanded to now provide solutions for businesses, municipalities and private operators. This growth drove an accelerated cadence of feature development which identified an urgent need to automate and further secure their Amazon Web Service (AWS) environment.

CHALLENGES

- Deployments were mostly manual; patching, and updating was demanding
- Limitations within their architecture - inability to create new environments as needed or integrate containerized or serverless components
- Requirement for a lower-risk process for deploying releases that included patching and updated monitoring and alerting

APPROACH

Mariner worked with the HotSpot team to assess key changes required within the release process, overall security, and monitoring tools. The recommendations included a redesign of the AWS account structure using AWS Organization, implementation of a best practice cloud security architecture using CloudTrail and GuardDuty, and the automation of build, test, and deployment workflows.

Mariner replaced the legacy ELB Classic with an Application Load Balancer and created automation to allow new releases to be built, tested, and then deployed via a Blue / Green mechanism. This allowed very low-risk updates, with no need for painful maintenance windows and associated downtime.



BENEFITS ACHIEVED

Deploy new features and fixes more rapidly and more securely

This is achieved within a continuous integration environment that no longer necessitates painful maintenance windows and associated downtime

Appropriate access to non-production accounts

The development team including a sandbox account for trying out new approaches like serverless.

Easily accessible and detailed billing information

By moving non-production environments to separate accounts, not only is security improved, but they now have easy and detailed billing information on the costs.

