

# Babb Technology Services

## Case Study

### Migration from 4 private datacenters to 6 AWS regions.

#### Customer Profile

Publicly traded technology company that provides security and storage solutions.

#### At-A-Glance

Migrated business critical applications from 4 private datacenters to 6 AWS regions. The customer's goal was to maintain uptime in an event a datacenter or entire region is down.

#### Project Tools & Methodologies

Saltstack, GIT, EC2, Route53, ELB/ALB, Certificate Manager, Redis, and Nginx are most of the technology used to provide the level of global redundancy.

#### Lessons Learned

Don't forget to enable Route53 health checks! Learn as much as possible about the application usage pattern because this could influence changes to the architect.

#### Project Highlights

- ✓ Application rationalization and service analysis and to help customer identify which applications and/or services qualifies for public cloud.
- ✓ Provide architecture, design, and best practices to help customer identify areas that need to be re-engineered or applications rewritten in order to qualify for public cloud.
- ✓ Built regions to handle failures within themselves, as well as the service with some direction given to the developers on what needed to change in the application.
- ✓ VPN connections into AWS were configured to allow the customer direct access leveraging their current access methods.
- ✓ Provided detailed operational runbooks to empower the customer to continue migration and successfully support the environment ongoing.

## Outcome

Customer now run services in 6 AWS regions that can survive many regional and/or /datacenter failures. The global architecture also allows the customer to perform maintenance during work hours instead of waiting till the weekend/off-hours. This architecture allows customer greater operational flexibility, scalability, and reliability.