

Frontline Performance Group Optimizes IT Costs with Cloud Modernization and Application Re-architecture

Introduction

FPG provides customized consulting, one-on-one coaching, and proprietary training to leading hospitality brands worldwide.

The client had been facing scaling issues and a few security challenges with the web application being used.

With Axiom, the client now has increased security, high availability of applications and can auto-scale operations whenever required.

Challenges

Single Tier Application

The client was using a single-tier application leading to increased costs.

Scalability and Availability Issues

The client was unable to scale when required. Also, the application was lacking high availability, as all the VMs were hosted in a single zone.

No Segregation Between Environments

The IT environment had no isolation between user acceptance testing (UAT), staging and production environments.

The Solution

Axiom re-architecture the application from a single-tier AWS virtual machine to Microservices based multi-tier architecture in less than 4 weeks. The deployment was automated using Kubernetes.



About FPG

FPG is a US- based management consulting company offering change management and staff training services.

The company has about 200 employees who help clients in hotel, rental car, and other hospitality-related industries increase transaction revenue, order frequency, customer and employee satisfaction, retention, and client referrals.

Why Axiom?

Axiom, an AWS Advanced Consulting Partner, has a decade of experience in implementing cloud native workloads. With over 15+ enterprises and 50,000+ servers' migration to the Cloud, Axiom has a proven approach to harnessing the power of the cloud.

Axiom's approach provides faster, cost-effective and successful cloud transition with zero business impact.

The team -

- Implemented Elastic Load Balancing to distribute the traffic between the application servers
- Set up high availability zones and disaster recovery practices with required backup
- The infrastructure and the applications have been hardened by executing Vulnerability Assessment and Penetration Testing (VAPT) multiple times
- Isolated the UAT, Staging, and Production environments for maximum security
- Implemented security groups on AWS and whitelisted IP addresses of users for secure access control

The Result

With the application re-architected, the client now has -

- Over \$100,000 saved in cloud bills every year
- Increased NPS score from end-users
- A secure application with high scalability
- An intuitive and highly adaptive DevOps pipeline to deploy and configure applications automatically
- 99% of application availability is maintained by controlling web traffic with the respective GEO locations