

An MSP Advances Their Offering Through Staff Augmentation

Partner:



iVision, an Infrastructure Engineering Services and Managed Services Provider, helped their client, a beverage distributor, expand their reach by migrating their legacy platforms to accommodate an enterprise level eCommerce platform.

Headquarters: Atlanta, GA

Founded: 2004

Size: 55 to 200 Employees

Website: <https://ivision.com/>

Services Used: Cloud and Automation Services, Cloud Practice Builder Program

Challenge

iVision, a 16-year-old Infrastructure Engineering Services and Managed Services Provider, was helping their client, a rapidly growing beverage distribution company. This client needed to transform its business model and bring its eCommerce application into the cloud after acquiring multiple companies and increasing the territory it covered to more than 30 states. Not only is there the challenge of adhering to each state's strict regulations, but there are also technology challenges with each acquired company's legacy systems.

This client needed to move/migrate their monolithic Django web application with PostgreSQL RDS backend to a well-architected, highly available, multi-region enterprise-ready application. This kind of migration would also require application performance improvements and enterprise-grade security.

It is increasingly harder to find the skills required to build in public cloud environments. iVision reached out to the Tech Data Cloud and Automation Services team to develop a working partnership that would allow them to take on a project of this scope.

Solution

The goal of this project was consolidation, rationalization, and post-merger integration work. The Services team recommended implementing autoscaling web tier (Django) and leveraging Aurora Postgres Global Database as backend. They also suggested implementing ALB to front of autoscaling web tier and CloudFront for CDN performance, using S3 buckets for static content. Their security recommendations included AWS Shield advanced, centralized logging, GuardDuty, Inspector, CloudTrail, and AWS Config to protect this \$10B distribution company.

Using a dedicated resource from the Tech Data Cloud and Automation Services team for staff augmentation, they worked seamlessly to ensure iVision's migration project was completed with no difference in customer service standards. iVision was able to deliver the design and move forward to the implementation phase.

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Result

The multi-region design environment was successfully signed off as the go-forward blueprint for building an east-west region, with a third region in isolated DR Snapshot. Both end customer and AWS Solutions Architects reviewed the design document and approved it as Well Architected. The AWS Solutions Architect even commented that the design document was one of the most complete and thorough that they had seen.

The previous application was deployed as a monolithic system with one very large EC2 instance and one RDS database. By implementing auto-scaling, they anticipate using much smaller EC2 instances, which will garner cost-savings and performance improvements. The client will also gain performance improvements through Aurora Read Replicas and CloudFront, while keeping the cost nearly the same. These improvements will help support the client's users across 30-plus states that the distributor serves with 24x7x365 availability.

“Tech Data Cloud and Automation Services has skills that iVision is developing. This partnership allows us to come to the table with even bigger, more complete solutions. As we go forward and continue to develop our opportunities within our clients, we know with confidence that we have a very good working model to provide solutions that would otherwise be very hard to do.”

Dow Smith, Strategy & Operations Lead, iVision

Interested in developing your AWS practice with a more comprehensive services offering? Contact us now: enterprisecloudsales@techdata.com