Expansive Customer Growth Propels Luma to AWS with Support from Connectria

Platform
• AWS

AWS Services Implemented
• CloudWatch
• CodeDeploy
• EC2
• ECR
• EFS
• ElastiCache
• Load Balancing
• RDS
• R53
• VPC

Challenge
• Cloud migration
• Scalability
• Performance

Solution
• CI/CD
• Cloud Managed Services

Results
• DevOps Deployment
• Enhanced transparency and communication

Luma is a learning and instructional design company offering flexible training solutions across several industries. It has been making a measurable difference in learning outcomes since its founding in 2008. In 2014, Luma found a unique niche in the transportation industry helping educate truck drivers. It developed a learning management system and leverages continuous integration continuous development (CI/CD) to roll out new and updated features regularly.

Luma has created many first in industry features for learning and training in the transportation industry. They conduct research on drivers' learning preferences to provide the best possible learning experience. Luma's products DRIVE SAFE, DRIVE FIT, and DRIVE FIRST are all grounded in learning science. They understand that different carriers and drivers have different needs and works with carriers to customize their learning environments. Luma's application workloads were initially migrated to AWS by Connectria's professional services team and then transitioned to the managed services team to provide ongoing 24x7 network and security operations support for their AWS environment.

The Challenge
Luma's entire business critical application ran on a dedicated server with a fixed resource pool. Last year, the company more than doubled its customer base and realized that their current support model was insufficient. They needed an alternative and knew that AWS might be the answer.

CASE STUDY

They also knew that AWS was not their area of expertise, and that success would hinge on finding the right partner to plan and execute a migration that would deliver optimal performance, cost, scale, and redundancy in the cloud. Once migrated, the new AWS environment would need to come under the watchful eye of a managed services provider to ensure a secure operation with continuous optimization and support.

"As a company we handle education, training, and other business functions. Working in the transportation and logistics industry, it is important for us to provide reliable services 24/7," said Scott Anderson, Luma CTO. In response to its continued growth, Luma made the decision to migrate to Amazon Web Services (AWS) in order to take advantage of the scalability and performance of the cloud.

Luma began diligently preparing for their migration project in early 2020 in order to ensure everything was ready. The end goal for Luma was to find the right partner specializing in migration and managed services. Luma also needed this partner to have a strong competence in security and compliance. After a lengthy evaluation process, Luma signed with Connectria in September 2020.

The Solution

Connectria fully migrated Luma to AWS by late November 2020. Autoscaling, load balancers, and multi-AZ deployments of EFS, RDS, and Elasticache were implemented by Connectria in the Luma environment to support high availability of their application. The new AWS account architecture was designed using a landing zone to provide a robust and secure mechanism for isolating control and data plane access to resources. The account boundary is very effective at protecting against human error and limit vulnerability points.

Non-peered VPCs residing within the same account provided excellent network isolation and protected against policy misconfigurations. Additionally, Connectria provided advanced security support with its 24/7 security operations center (SOC). These services provided incident response and administration, as well as advanced intrusion prevention and automated security tooling.

"In the end, it came down to Connectria's ability to offer more services at entry level, specifically around security. I need to be able to monitor things, from a security perspective, without having those services as an add on. Connectria had security as more of a prominent focus at the base level which was exactly what I was looking for. We have several developers involved, so it was important to have a way to deploy changes without errors. We did a lot of work on our end to identify the best process and Connectria helped us further develop the deployment process we now have active," said Anderson.

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>
> **Scott Anderson**
> CTO, Luma

The Results

Connectria handled Luma's cloud migration and continues providing support for the management of Luma's AWS environment. "Our relationship with Connectria has been really good for us. Creating and having the DevOps deployment process has been my favorite part about working with Connectria. It's significantly better than what we were doing previously and a major improvement on our side," said Anderson.

He continues, "We also have incident response assistance that we thankfully haven't had a need requiring Connectria to show that side of their support. While hopefully we never do, it's a comfort to know support is readily available in the event it is ever needed. Any time I have raised a ticket with Connectria's team, I've been happy with the level of support."

About Luma

Luma is headquartered in Mount Pleasant, South Carolina, with team members located in Ohio, South Carolina, Montana, Arizona, and Hawaii. Luma is a learning and instructional design company that has been making a measurable difference in learning outcomes for over a decade. Luma was founded by two experts in their own disciplines: Engineering & Instructional Design and Learning. It operates with core values focusing on customer commitment, integrity, quality, and passion. Luma believes that when people learn, their lives improve and so does society. Everything we do is created with this mission in mind.

For more information visit
learnwithluma.com

aws partner network

Advanced
Consulting
Partner

DevOps Competency
MSP Partner
Healthcare Competency
Public Sector Partner

About Connectria

From Fortune 100 enterprises to medium and small businesses, Connectria provides managed cloud, managed services, and compliant cloud security solutions to more than 1,000 global customers. Working as an extension of each customer's IT team, we deliver technology-agnostic solutions consistently, with depth and breadth of engineering expertise, scalable solutions, and speed to market. Our "No Jerks Allowed®" philosophy includes flexible terms, straight-forward pricing, and custom solutions. With a culture based on integrity and an unwavering employee commitment to treating every customer with a relentless focus on satisfaction, it's easy to do business with Connectria.

NO JERKS JERKS ALLOWED®

Connect with us today

Talk to one of our IT advisors by calling **800.781.7820** or reaching out to us by email: **sales@connectria.com**.

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