Premier Learning Platform Company

A learning platform for young children, under strict compliance requirements, moved its microservices to AWS with 9Acts and now runs with 24/7 security monitoring and weekly security reviews.



Before

Microservices moving to AWS under strict compliance requirements, with security gaps to close.

After

Amazon Aurora, EKS managed node groups, single sign-on, 24/7 alert monitoring and weekly security reviews.

About the Company

The premier learning platform company is dedicated to providing young children with the most creative and inspiring education. With a team of exceptional tutors and creatives, the platform goes above and beyond to exceed expectations and ignite a lifelong passion for learning. Recommendations from delighted students, parents, and educators drive their commitment to delivering an exceptional educational experience.

The Challenge

The premier learning platform company, driven by its strict compliance requirements, made the strategic decision to migrate its microservices to the secure and highly available AWS cloud infrastructure, capitalizing on its cost optimization capabilities. However, during this transition, the platform faced notable performance challenges that directly impacted its operations and raised significant concerns regarding its security measures. Recognizing the need for expert guidance in cloud security and performance optimization, the platform sought the assistance of a Managed Security Service Provider (MSSP) to ensure the utmost security and optimal performance of their cloud environment.

Solution

To address the platform's security and performance concerns, 9Acts, an AWS Level 1 MSSP Competency partner, conducted a comprehensive evaluation of their infrastructure and security controls. The assessment identified areas requiring attention and improvement to enhance the overall security of the platform.

The solution involved migrating the database to Amazon Aurora for improved performance and shifting from self-managed Amazon EKS nodes to EKS managed node groups for automated provisioning and maintenance. Single Sign-On was implemented to simplify authentication, and standard permission sets

based on departments were used to replace IAM users. AWS security tools, including AWS CloudTrail, Amazon GuardDuty, Amazon Inspector, and AWS Config, were implemented, along with third-party tools like CrowdStrike for endpoint protection.

To enhance the security strategy, 24/7 alert monitoring for critical incidents was implemented, ensuring prompt response by the DevSecOps team. Weekly reviews of the AWS environment's security, incorporating AWS Security Hub, Amazon GuardDuty findings, and AWS Trusted Advisor recommendations, were conducted. Runbooks for incident resolution facilitated efficient issue resolution and continual optimization of security measures.

Outcome

The premier learning platform company has successfully met strict compliance requirements with the assistance of 9Acts as its trusted Managed Security Service Provider (MSSP). With the continuous support of 9Acts, the platform achieved a high level of security and compliance through round-the-clock alerting and monitoring services. These proactive measures ensured the swift detection and mitigation of security issues, safeguarding the platform's systems and customer data.

By partnering with 9Acts, the premier learning platform company established robust continuous compliance processes, aligning their security practices with industry best practices and standards. This collaboration allowed the platform to focus on its core objectives while entrusting 9Acts with its security needs, leveraging its expertise and experience in addressing AWS MSSP requirements.

The premier learning platform company now enjoys the peace of mind that comes from having a secure cloud environment and protected sensitive information. With the support of 9Acts, they can deliver an exceptional educational

experience to young learners, confident in the resilience and reliability of their cloud infrastructure.

> **Talk to 9Acts about your AWS: contact@9acts.com · 9acts.com/contact**