



## Case Study

# OPTIMIZING ACTUATE MICROLEARNING'S EXISTING AWS INFRASTRUCTURE: A WELL-ARCHITECTED FRAMEWORK BY ACECLOUD

## At a Glance

Facing challenges with their AWS infrastructure, Actuate Microlearning sought assistance from AceCloud for a Well-Architected Framework. AceCloud's assessment identified areas for improvement, including cost optimization, enhanced security, performance enhancement, and scalability planning. Actuate Microlearning proactively addressed these challenges by implementing solutions recommended by AceCloud, ensuring their infrastructure could effectively support their business needs.

## Outcomes

Cost optimization measures led to a 13% reduction in AWS expenditure.

Enhanced security measures mitigated cyber threats and data breaches.

Infrastructure upgrades resulted in a remarkable 22% improvement in system performance and user experience.

## The Client

Founded in 2010 and headquartered in Mumbai, Actuate Microlearning revolutionizes eLearning with its tailored courses derived from successful blended and classroom trainings. Crafted by industry experts, these microlearning modules are field-tested and optimized for performance, employing bite-sized, visually engaging formats. Actuate ensures learners are not only equipped with essential skills but also primed for success, earning recognition for both individuals and organizations alike.

## The Challenge

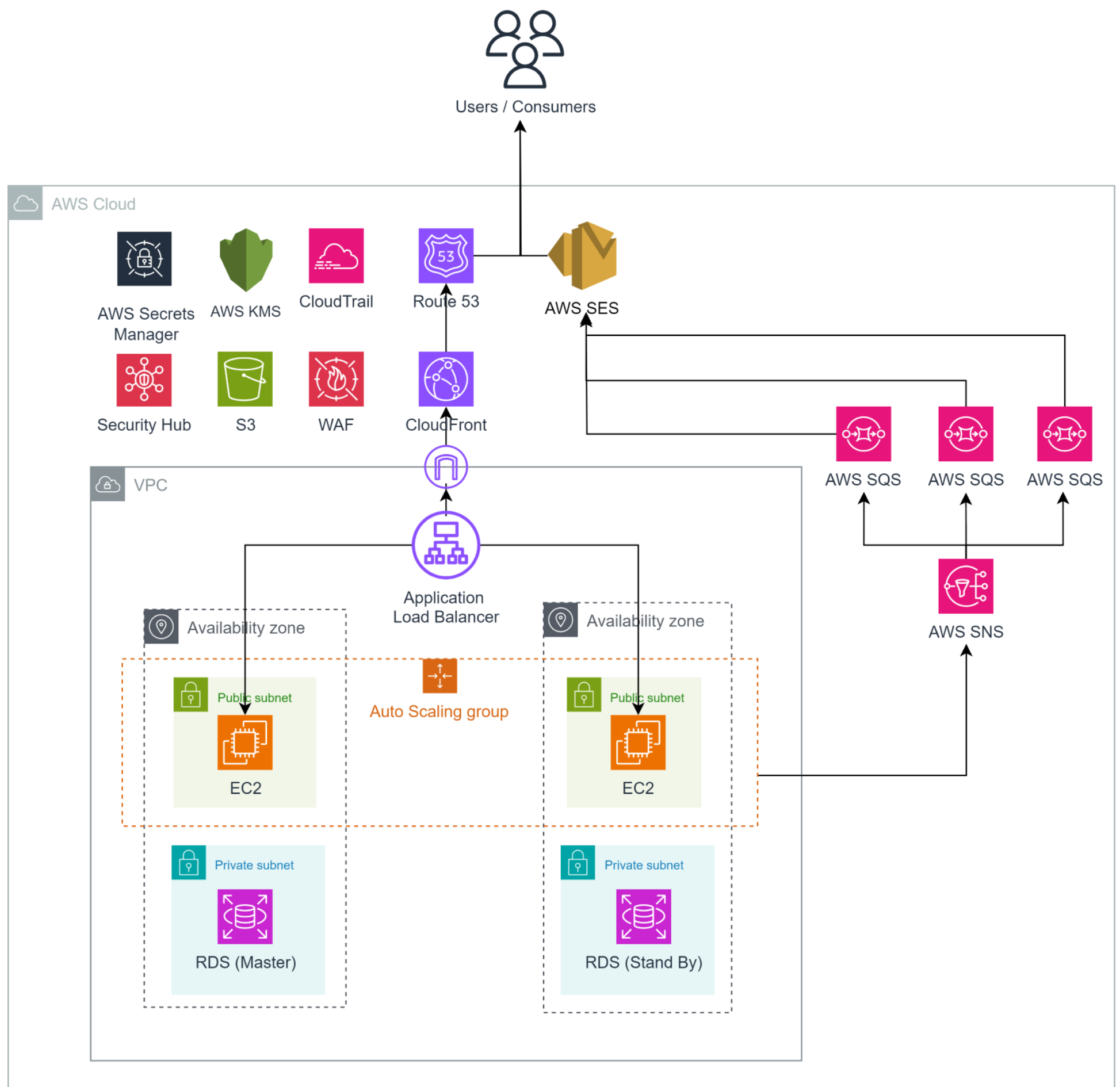
Actuate Microlearning faced several challenges with their AWS infrastructure, including rising costs impacting their budget, security vulnerabilities leaving them susceptible to cyber threats, and outdated instances causing performance issues such as latency and less than satisfactory user experience. Inadequate backup solutions posed risks of data loss, while inefficient resource allocation led to wastage and increased operational costs. Additionally, non-compliance with industry regulations posed legal and reputational risks, while limited scalability hindered their ability to meet growing demands effectively. These challenges prompted Actuate Microlearning to seek solutions to optimize their infrastructure and address these critical issues.

## The Solution

AceCloud, serving as an Advanced Consulting and Certified AWS Well-Architected Partner, conducted a comprehensive Well-Architected Framework of Actuate Microlearning's AWS infrastructure, resulting in significant enhancements. These included cost optimization through resource rightsizing, strengthened security utilizing AWS Security Hub and proactive monitoring, performance enhancements through infrastructure upgrades, efficient backup management via AWS Backup, and optimization of resource utilization.

Additionally, compliance adherence was prioritized, strengthening Actuate Microlearning's infrastructure for continued growth and success in the eLearning sector.

## Architectural Diagram



## Results and Benefits

- **Cost Optimization:** AceCloud identified areas of overspending and inefficiency within Actuate Microlearning's AWS environment. By implementing right-sizing strategies and optimizing resource utilization, significant cost reductions were achieved, leading to improved financial performance. Cost optimization measures, spearheaded by AceCloud, resulted in a 13% reduction in AWS expenditure.
- **Enhanced Security:** Actuate Microlearning boosted its security by implementing strong measures. With tools like AWS Security Hub, Amazon CloudWatch, and Amazon CloudTrail, they safeguarded their infrastructure from cyber threats and met industry security standards.
- **Improved Performance:** Actuate Microlearning's infrastructure upgrade to the latest AWS instances significantly improved its performance and scalability. By optimizing resource use and adding features like caching and content delivery networks, they made the system faster and smoother, resulting in a notable 22% enhancement in user experience.
- **Robust Backup Management:** AceCloud deployed robust backup solutions leveraging AWS Backup, ensuring automated data protection and reliable data recovery procedures. Regular backup schedules were established and tested to ensure data integrity and availability in the event of data loss or corruption.
- **Compliance Adherence:** AceCloud conducted a comprehensive compliance assessment, identifying gaps and vulnerabilities. Necessary controls and measures were implemented to ensure Actuate Microlearning's adherence to industry regulations and standards, with processes established for continuous monitoring and auditing to maintain compliance posture.

## AWS Services Used



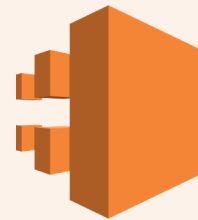
**AWS Security Hub**



**AWS Backup**



**AWS CloudWatch**



**AWS CloudTrail**



## About Us



Years of Exp

**15+**



Data Center

**10+**



Awards

**100+**

AceCloud is a leading provider of end-to-end cloud computing solutions to global organizations across industries at scale. It offers a full spectrum of cloud services, including Public Cloud, Application Hosting, AWS Services, Managed Security Services, and Hosted Virtual Desktop Solutions.

AceCloud is a brand of [Real Time Data Services](#) (RTDS) group of companies – a leading provider of information technology capabilities specializing in Cloud Computing and Cloud Telephony. RTDS Group has an employee base of 600+ across India, the US, and the UK, supporting over 20,000+ customers and IT infrastructure in 10+ data centers spanning the globe. It offers industry-leading technological solutions that help customers streamline their operations and enhance efficiency.

As an advanced consulting and certified AWS Well-Architected Partner, AceCloud recently achieved the prestigious AWS Storage Competency and is also recognized as an Amazon RDS Service Delivery Partner. These achievements underscore its deep expertise in AWS technologies and commitment to delivering high-quality cloud solutions.



- Public Sector
- Amazon RDS Delivery
- Storage Services Competency
- Well-Architected Partner Program



## Contact Us

Are you ready to cut down your cloud spending? Contact AceCloud Experts today to get a customized quote.



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