



# Global leader in **Education** publishing and assessment provider trusts **Aspire** for their massive **Cloud Transformation**





## The Need:

- Revamp their existing end-user applications
- Migrate all applications to cloud in 12 months
- Re-Platforming legacy to microservices

## The Solution:

- Migrated 40+ Applications to Cloud
- Performed 24000+ EC2 Instances & 270 rounds of Testing
- 25+ applications refactored to Containerized deployment
- 8 applications Re-Architected
- 18000 Tables, 2200 DB Objects, 150+ TB of content & 12+ TB of Data Migrated

## About the Customer

Our customer is a global leader in providing the education publishing and assessment service to schools and corporations, as well for students directly. By combining new ideas, new ways of thinking, and new ways of interacting, they design next-generation learning solutions that help prepare students to become global citizens in a more interconnected, digital world. It is the largest education company in the world with operations in **125+ countries serving 40Mn+ students**

## The Needs

This customer wanted to revamp their existing end-user applications that had an intricate and complicated architecture. They wanted a complete cloud transformation that involved the following:

- » **Migrating out all their applications**, their associated tools and infrastructure from on-premise Datacenter to AWS cloud infrastructure within a **short period of 12 to 15 months**
- » **Re-Platforming** from legacy to **microservices** and **oracle to PostgreSQL**
- » **Cost & Resource Optimization** using opensource technology stack on AWS, shutting down non-production instances when not in use, overriding default configuration settings with applicable settings etc.





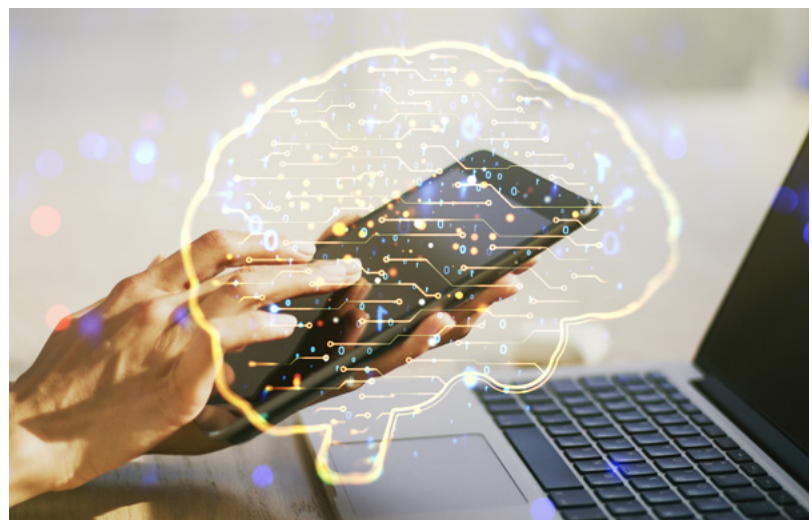
## The Benefits:

- Migration to AWS done in < 12 months
- \$37M Savings in license costs over 3 years
- \$10M saved in Rebranding costs due to automation
- Ensured 99.99% availability and scalability
- Supported 18x scalability
- Support a data volume of 3 billion records
- Cost & Resource Optimization saved cloud costs by over 50%

## Aspire's Solution

**Aspire Systems specializes** in providing **Edutech solutions** including development of Knowledge Management portal, Learning Engagement systems, and Student Information System. After a thorough research on understanding the requirements and liabilities of their current scenario, Aspire implemented the following:

- » **Migrated 40+ Applications** to Cloud using multiple strategies (Lift & Shift, Replatform, Refactor etc.)
- » **24000+ EC2** Instances were set up and **270 rounds** of Testing were done
- » Performed lift and shift for **17 applications**
- » **25+ applications** were refactored to Containerized deployment
- » **8 applications** were re-architected
- » Performed Datacenter migrations for **27 components**,
- » Performed Administrative Migrations for **71 components** of **11 databases** which were later migrated from On-premise Oracle to AWS PostgreSQL RDS
- » Performed Data migration for **18000 Tables, 2200 DB Objects, 150+ TB** of content and **12+ TB**



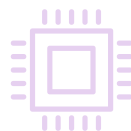


## Benefits

The following were the business benefits achieved by the client:

- » **Migrated 40+ applications** from on-premises DC to AWS cloud in **< 12 months**
- » Achieved savings of about **\$37Mn** in license costs over a period of **3 years**
- » **\$10Mn** saved from rebranding costs with the help of automation
- » Ensured **99.99% availability** and **scalability**
- » Reduced operational costs with the help of dynamic scaling.
- » Achieved **18x scalability** i.e., **2500 to 45000 increases** in number of concurrent sessions
- » Supported **100K req/sec** for certain critical microservices
- » Supported a data volume of **3 billion records**
- » **Cost & Resource Optimization** using opensource technology stack on AWS helped to save cloud costs by over **50%**

## Technology Snapshot



- » AWS Migration Hub, DMS, RDS Aurora, SNS, SQS, Route53, Cloud Map, CloudFront, Lambda@Edge
- » AWS EKS Cluster





Aspire Systems is a global technology services firm serving as a trusted technology partner for our customers. We work with some of the world's most innovative enterprises and independent software vendors, helping them leverage technology and outsourcing in our specific areas of expertise. Our core philosophy of "Attention. Always." communicates our belief in lavishing care and attention on our customer and employees.

For more info contact: [info@aspire.com](mailto:info@aspire.com) or visit [www.aspiresys.com](http://www.aspiresys.com)

**USA**  
+ 1 630 368 0970

**SINGAPORE**  
+65 3163 3050

**INDIA**  
+91 44 6740 4000

**BELGIUM**  
+ 32 3 204 1942

**NETHERLANDS**  
+ 31 (0)30 800 92 16

**POLAND**  
+48 58 732 77 71

**MEXICO**  
+52 222 980 0115