



Customer success story

Legacy transformation: Education publishing giant soars with AWS & Cognizant

By moving its content to the cloud, the publisher achieved a 30% increase in content accessibility and 5x faster deployment.

Customer challenge

With education's shift to digital, one of the world's largest providers of education publishing and assessment services sought to transform its patchwork of legacy applications to support modern learning.

The industry had moved to customized content that was not only digital but also mobile. Students needed access to content anywhere and on any device. Response times had to be fast.

The company ran 15 legacy applications with multiple content formats and authoring tools. None of the content was reusable, and the incompatible content workflows hampered innovation and slowed the company's time-to-market.

To replace its outdated systems and processes, the publisher sought a cloud-based, scalable platform that offered global impact and cost efficiencies.

AWS + Cognizant solution description

To support the publisher's business vision, Cognizant partnered with the company to strategize for and

implement the platform. We assessed the existing content workflow and direction against industry and competitors and collaborated with the client's reengineering teams to define the future state content platform. We also helped to create the necessary momentum and buy-in for large-scale organizational transformation.

Together we implemented a scalable and secure content management solution using microservices-based architecture. The highly available solution is hosted on AWS infrastructure using AWS Lambda, Amazon Simple Storage Service (S3), Amazon DynamoDB and Amazon Route 53 service. It's deployed into Amazon Elastic Compute Cloud (EC2) instances spanning multiple availability zones.

We also implemented a content delivery service that publishes content to downstream systems. The service uses the fully managed AWS Lambda and Amazon ECS Fargate to reduce operational overhead. AWS Lambda functions were used to build custom streaming data applications for content transformation and delivery needs.



Outcomes/results

Delivering a modern learning experience

The company now supports educators and students with an efficient, secure global content platform and modern experience. The AWS infrastructure and architecture safeguard the company's proprietary content against expensive disruptions. With the global content workflow, collaboration is seamless for all stakeholders, from authors and editors to planners and managers. APIs and infrastructure workflows integrate with existing systems and provide a smooth migration path to next-gen systems. The company reduced its database costs by optimizing database consumption through Amazon DynamoDB's dynamic throughput.

- **15 global applications** launched and supported on AWS for authoring and delivery.
- **30% jump** in content accessibility as a result of the Amazon CloudFront implementation.
- **5x increase** in global real-time production deployments with ZERO deployment downtime.
- **99.95+%** content platform availability due to continuous service operation and regular backups.
- **9,000 unique titles** and 60,000 versions published since the new platform's launch.

About the partner

Cognizant (Nasdaq-100: CTSI) is one of the world's leading professional services companies, transforming clients' business, operating and technology models for the digital era. We engineer modern businesses to improve everyday life. Our unique industry-based, consultative approach helps clients transform technology, re-imagine processes and transform experiences ensuring businesses remain agile, relevant and ready to run more innovative and efficient enterprises.

With AWS as our partner, we focus on the outcomes that matter most to businesses and underpin our solutions with deep industry experience and market-leading IP. Cognizant brings more than 13,000 AWS-certified professionals, dedicated AWS-certified consultants in 43 countries, hundreds of customer launches and successes, and more than 70 transformational blueprints to drive innovation beyond cloud migration.

As a premier consulting partner, Cognizant holds numerous AWS competencies, including AWS Mainframe Migration, AWS SAP, AWS Migration, AWS Financial Services, AWS Healthcare, and AWS Life Sciences. Partner programs include AWS Well Architected, AWS Managed Service Provider, AWS Marketplace Seller, AWS Solution Provider Program, and AWS Public Sector Solution Provider.



Cognizant (Nasdaq-100: CTSI) engineers modern businesses. We help our clients modernize technology, reimagine processes and transform experiences so they can stay ahead in our fast-changing world. Together, we're improving everyday life. See how at www.cognizant.com or [@cognizant](https://twitter.com/cognizant).

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