



Customer success story

Education publisher seamlessly migrates its content to AWS

The multinational publishing and education company gained big business outcomes for its content management operations when it moved to the cloud.

Customer challenge

Faced with a frequent six-hour maintenance window, the education publisher struggled to avoid disruptions to its on-premise content management applications. Minimizing downtime and ensuring high availability for content creation was a challenge.

For the global provider of educational services, the mission was clear: move to the public cloud to strengthen its business, optimize operational efficiency, and reduce its data center footprint. The massive migration would involve 600 TB of content, including 250 billion pages of full text, 152 billion photos, 8 billion hours of music/audio, and 490 million hours of video.

AWS + Cognizant solution description

Cognizant partnered with the publisher to ensure the migration aligned with the company's strategic goals and positioned it for growth and flexibility. Our scope of work was to determine the right approach and ensure there was no impact on Alfresco functionalities. Business value was a priority.

We recommended a phased migration for the company's extensive portfolio of content, stored in seven Alfresco Content Management System instances across multiple regions.

Highlights included:

- Automated packer build for monthly patching of instances.
- Dry runs to simulate the entire migration and capture timeline/downtime for migration.
- Delta migration was eradicated by using a one-time migration of the DB.
- Custom-built Alfresco functionalities were tweaked for the AWS environment.
- Consolidation of all environments and databases into a single region.
- Onboarded New Relic APM and Infrastructure for effective monitoring.

The project was completed on time and within the budget, ensuring minimal disruption to ongoing operations.

Architectural attributes

Tools and technology:

AWS Fargate, Amazon ECS, Amazon EKS, Amazon CloudWatch Bitbucket, Jenkins, Nexus, SonarQube, Terraform Packer, New Relic, Solr, Aqua, Fleuntbit, Elasticsearch



Outcomes/results

Major performance gains and cost savings

The successful migration of the content management operations to AWS and the CI/CD pipeline implementation had a transformative impact on the client's business.

- **20 to 50%** faster searches
- **20 to 40%** improvement in content upload/download times
- **From 6 hours to <1 hour** reduction in maintenance window
- **\$200,000** annual savings
- **Developers empowered** to manage their own releases, streamlining development and release processes.

About the partner

Cognizant (Nasdaq-100: CTSH) 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: CTSH) 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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