



# Amazon Web Services

## Meeting the demands of accelerating business growth for music industry client

**Client:** The client, a renowned not-for-profit performance rights organization, needed to meet the demands of accelerating business growth due to changes in their industry. The organization transacts over \$1B annually to its members and analyzes trillions of transaction records per year.

**Challenge:** Our client was seeking to migrate their workload to the cloud from their on premise infrastructure and, specifically, to build a core function: a high-performance scalable stream data processing engine. The client was experiencing an increase in data and needed to process the information faster and to be able to create new value for their members.

**Solution:** Essextec solution architects used Amazon Web Services (AWS) Kinesis, AWS Lambda, DynamoDB, Simple Queue Service (SQS), ElasticSearch, and Identity Access Management (IAM) to deliver a substantially scalable, microservice-based, distributed system, as well as a substantially serverless stream data processing engine.

By working side by side with the client, Essextec solution architects were also able to identify additional areas of investments. Namely, the introduction of a unified security model that included identity and access management across the hybrid cloud. Portions of the business processes that had required manual intervention have been made extensible for the introduction of machine learning and other cognitive capabilities.

Our application development team also provided fully Agile Project Management (APM), an iterative approach to planning and guiding project processes, together with integrated DevSecOps pipeline, toolchain, and infrastructure automation.

**Benefits:** Essextec successfully implemented a 3C solution for the client.

**CLOUD:** The client is now able to plan and meet the forecasted 400% increase in volume with a robust AWS-based hybrid cloud solution.

**COGNITIVE:** With our proposed cognitive solution, the client will be able to substantially reduce the manual process of matching data which addresses their significant data quality problem where manual handling has been expensive, error-prone, and time consuming.

**CYBERSECURITY:** The unified security model has streamlined processes with a SSO capability, has helped the organization establish sound security policies, Amazon Virtual Private Clouds (VPC), Amazon IAM, and is instrumental in helping to prevent cyber attacks.

### Related Content

Essextec Solutions  
<https://essextec.com/3c-innovation>

Industry: Music / Performance Royalties

Solutions: Essextec App Dev services, AWS Kinesis, AWS Lambda, AWS DynamoDB

Photo by bruce mars from Pexels <https://www.pexels.com/photo/photography-of-woman-listening-to-music-761963/>

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