



Advanced
Services
and Software
Partner

Migration of MySQL Database by Harnessing AWS-based Accelerators

As we are in the era of advanced analytics, organizations have started to realize the importance of data and leverage visualization platforms to have a competitive advantage.

Overview

Our long-term client wanted to build a statistical dashboard for their customers, but the voluminous data stored in MySQL made the retrieving process laborious. In less than X months, the client's database with millions of data from MySQL was successfully migrated to AWS-hosted architecture. This migration aided the client in increasing the scope for data analytics with improved performance. With the improved data quality and the potential for new capabilities, the client is successfully navigating the path to being future-ready.

3 Months

to accomplish massive data migration

< 0.01% Data Loss

with real-time data transfer, enhanced data monitoring and reporting

40% Reduction

in database migration cost



Opportunity

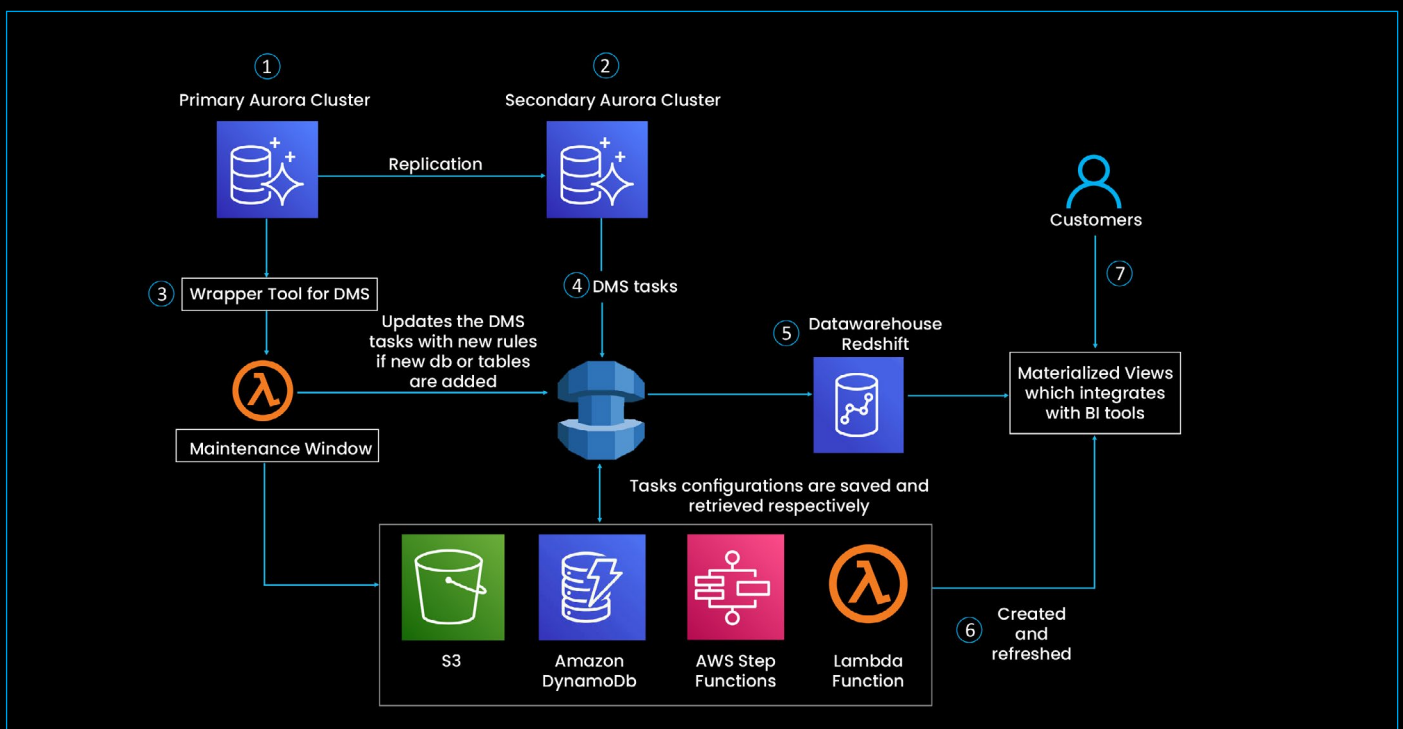
Moving from Monolithic MySQL for Better Analytics

While MySQL is reliable, flexible, and powerful, data analytics is truly a nightmare with it. Discovering hidden data trends and gathering insights becomes very challenging. When our client wanted to explore the statistical dashboard, they faced the complex reality of MySQL. They suffered from a lack of transparency, flexibility, and customization for big data replication and handling. They wanted a suitable migration strategy with minimal downtime, zero business disruption, and zero data loss.

Solution

MPP Data Warehouse to the Rescue

High-quality data is critical to the success of any business. KnackForge's expertise in managing complex data migration scenarios came in handy in ensuring a smooth transition. We devised a scalable and extensible solution deploying the AWS hosting environment to accommodate a large and rapidly growing dataset. Our in-house AWS experts created a customized migration accelerator using services such as Glue and Data Migration, etc. to streamline and expedite the migration process and replicate real-time changes with custom rules. The replicated data was further aggregated using materialized views by customers connected through Microsoft Power BI.



Outcome

We created an automated data pipeline that transformed and cleaned the unstructured data and migrated it to the destination for analytics and building ML models. We satisfied the client's requirements by automating more than 60% of the transfer load resulting in a 30% reduction in migration time and 40% cost-savings. Our solution had four critical elements to it.

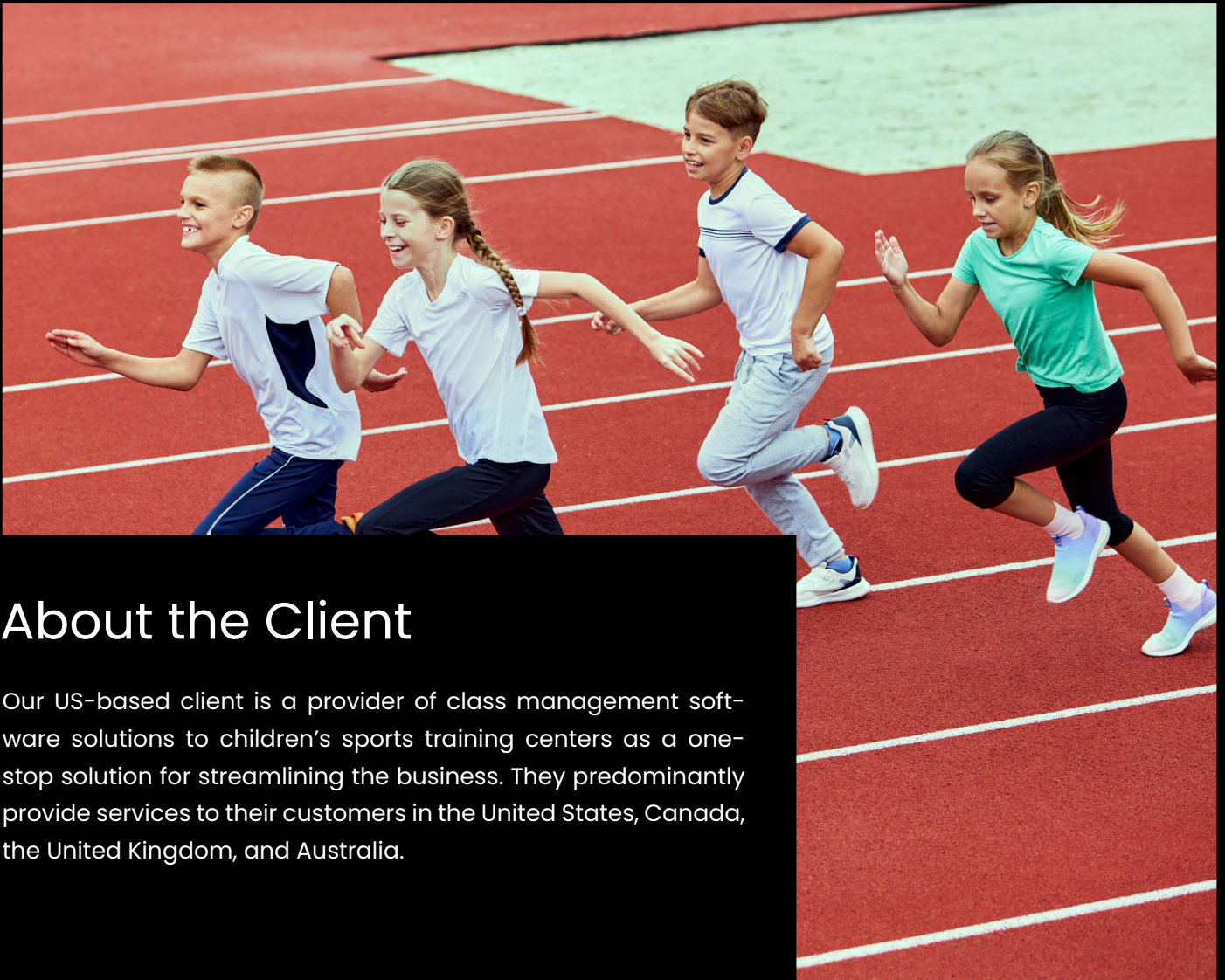
Seamless data migration without data loss.

Real-time data warehousing with no dependency on third-party for data syncing.

Improved reliability and availability via data replication.

Increased data analytics support.

“The skilful team at KnackForge helped us for a smooth end-to-end transition. We are now able to focus on innovating for the growth of our company and that of our customers.”



About the Client

Our US-based client is a provider of class management software solutions to children's sports training centers as a one-stop solution for streamlining the business. They predominantly provide services to their customers in the United States, Canada, the United Kingdom, and Australia.

Contact our experts today!

E: sales@knackforge.com | P: +1 903 266 1070

KNACKFORGE