

# Cloud and data modernization solutions

## Technologies

- > Amazon AWS
- > Snowflake
- > Fivetran
- > MongoDB
- > Amazon Quicksight
- > Amazon SageMaker

A challenge we often see is when businesses grow, their analytical applications and data performance need to grow with them. Oftentimes our clients will have outgrown their data solutions and face challenges due to inefficient solutions. We recently helped a company conquer the challenges most prevalent with their outdated analytical applications:

- > Unresolved bugs due to lack of error handling
- > Limited capacity for client onboarding
- > Poor performance resolution
- > Delayed updates and enhancements that are behind real-time demands

## Our Solution

We developed a cloud modernization plan to ensure they are ahead of the curve and can easily face any future challenges with the right infrastructure.

- > Created unique solutions, pricing, and options by completing a detailed evaluation and report of the current data architecture
- > Cultivated an extensive plan to migrate BI and analytical information into the cloud with the necessary fail safes
- > Implemented the ability to handle rapidly increasing traffic, and deliver scalable long and short-term solutions by improving MongoDB database architecture
- > Flattened the existing database architecture into a Snowflake Datawarehouse that centralizes and replicates the data to gain consistency and reliability from increased data quality
- > Implemented security measures through Row Level Security (RLS) to regulate user access to reports, dashboards and data
- > Implemented IAM user access for increased permissions and security

## Results

- > Successful migration of the Datawarehouse from MongoDB to Snowflake
- > Developed a Datawarehouse through snowflake that has the scalability to grow with their business

Increase in access to their data

**300%**

Decreased their data processing time

**15 min**

Decrease in maintenance time

**500%**

Increase in resource availability

**70%**

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[www.proskale.com](http://www.proskale.com)

We're just call away +248 477 3555

[hello@proskale.com](mailto:hello@proskale.com)