

BI Modernization for a global retail company



Customer Need

A global retail organization needed help to migrate its on-premises Microsoft SQL server-based data warehouse to Amazon Web Services (AWS) Redshift.

Cloudwick Solution

Before providing the actual migration, Cloudwick conducted a use case analysis on the existing Microsoft SQL server-based data warehouse. After the company moved forward with AWS, Cloudwick's recommendation, Cloudwick provided the solution architecture and professional services to conduct the migration.

Why did the customer choose AWS and Cloudwick as an AWS partner?

The company needed to migrate its on-premises data center to Amazon Web Services (AWS). They put this migration plan in place to increase agility, scalability and flexibility and cost savings as the company was further globalizing and reaching more points around the globe. The company focusses on business goals and didn't have enough technology specialists on staff, so it turned to Cloudwick, the data and business intelligence modernization experts, for help with the transition. Cloudwick's primary business aim was to help migrate the company's on-premises Microsoft SQL Server based data warehouse to AWS Redshift. This aim was in line with the overall strategy of migrating the organization's IT framework from on-premises data centers to the cloud (AWS). Before providing the actual migration, Cloudwick provided the company with a cost analysis comparing the existing environment (Microsoft SQL Server-based data warehouse) with a new AWS environment so the organization could make an informed decision based on actual cost for scalability, agility and flexibility. The company moved forward with the AWS Redshift based solution, Cloudwick's recommendation.

Cloudwick migration solution

Cloudwick consultants provided professional services to migrate the Microsoft SQL server to AWS Redshift using Talend as the Extract, Transform, Load (ETL) tool. With Redshift, it automatically writes data written to other nodes within the cluster and continually backed up to Amazon S3 for reliability. In addition, they secure it through AES-256 encryption, and it is massively scalable and supports up to petabyte level of storage. The company also chose the recommendations made by Cloudwick of AWS Direct Connect and AWS Hardware VPN for bulk import from the data warehouse to ensure security and reduce risk. We have integrated tableau into the solution, enabling the organization to create its own dashboards and analyze data with drag-and-drop simplicity.

About the company

A global international retail organization, operating over 1,200 corporate and 270 franchise outlets in 16 countries with revenue over a billion dollars



Results and Benefits

The organization now enjoys a modernized business intelligence infrastructure and has eliminated a costly enterprise data warehouse. With the move to AWS, they are ready to scale up as needed and enjoy the cost savings with the flexibility and elasticity of the cloud.

In addition, the administration and management of services has become easier for the team, since increasing the Data warehouse takes less time on AWS. The bottom line is that the company has exchanged its previous solution for a modern business infrastructure that is flexible, agile, and scalable.

About Cloudwick

Cloudwick is the leading provider of enterprise business and technology modernization services and solutions to the Global 1000 and helps enterprises gain competitive advantage from open source, data lake, big data, cloud and advanced analytics. Cloudwick is an advanced AWS partner with Big data and machine learning competency.

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