Teradata on AWS Migration

Migration with modernization

- The suite of services AWS offers provide everything needed to quickly and easily build and manage a data lake for analytics.

- AWS gives customers the widest range of analytics and machine learning services, for easy access to all relevant data, without compromising on security or governance.

- AWS offers comprehensive set of services to move, store, and analyze your data: Data Movement, Data Lake, Analytics and Machine Learning.

- Brilio offers Data services such as database migration and transformation, and data lake design and implementation.

- Unlock new data value chains via AWS native data and analytics solutions offered by Brilio.

Benefits of AWS Big Data services with Brilio

- Enables customers to be dynamic and get to market faster
- Offers industry-specific and AWS native big data solutions
- Rapid prototyping and proven methodologies to demonstrate value
- Industry solutions architected for the AWS platform
- Tools, templates, and industry solution incubators to help clients leverage modular and modern platforms
- Enables customers to reimagine their products and services

Fleet of services for Big Data on AWS

Data Movement
- AWS Direct Connect
- AWS Snowball
- AWS Snowmobile
- Amazon Kinesis

Data Lake
- S3
- Amazon Glacier
- AWS Glue

Analytics
- Amazon Athena
- Amazon EMR
- Amazon Redshift
- Amazon Kinesis
- Amazon QuickSight

Machine Learning
- Amazon Deep Learning AMI
- Amazon SageMaker
The Challenge:
How to rearchitect and move existing functionalities from On-Prem EDW solution (Informatica/Teradata) to AWS

About the client:
An American power company which is now a holding company for several power companies and energy companies

Solution:
- **Data Lake**: A holistic data lake is the modern architecture to handle all enterprise data needs.
- **Batch**: Efficient handling of Batch process for ingestion and data flows to different Data Lake zones.
- **Stream**: Stream ingestion and data flow through different AWS service layers and data lake.
- **Consumption**: Data Consumption ability at any layer of Data Lake through Athena, Quicksight.
- **Advanced Analytics**: Quick insights from high velocity data and ability to mix and mash heterogeneous data.
- **Storage**: Low Cost data storage decoupled from compute.
- **On Demand Compute**: Transient in-memory compute instances provide scalability and cost per use.
- **High Availability**: Multi-AZ VPC to deploy solutions and S3 cross region replication provides high availability and Durability.
- **Self Service**: Ease of use, AWS services like Quicksight, Athena and applied accelerators will enable self service.
- **Data Governance**: AWS Glue for holistic metadata consumption, management and data governance.

Customer Benefit:
The modern architecture will provide single platform for heterogeneous data, help reduce cost, provide flexibility, scalability, ability to handle big data, streaming data and enable advanced analytics.

Why Brillio?
Brillio is an APN Advanced Consulting Partner and a leader in global digital business transformation. Brillio accelerates the enterprise transition journey to “digital first” business with a suite of proprietary IPs and accelerators that leverage advanced technological capabilities of Intelligent Automation, Artificial Intelligence, and Cloud Analytics. Brillio’s experience of enterprise digital endeavors on AWS spans across Internet of Things (IoT), App modernization, Data lakes, SAP migration, Advanced Analytics, Modern Workspaces, and Data Center Migration.

Benefits of Amazon Machine Learning:
- Flexibility and choice
- Scalability
- Availability
- Highly secure
- Faster go to market
- Cost effective

About Brillio
Brillio specializes in leveraging emerging technologies like analytics, security, cloud, mobile, and machine learning. It uses this technology to create “sticky” new customer experiences, to achieve surprising cost efficiencies, and to quickly deliver innovative solutions. Working across different industries, Brillio has helped define digital transformation objectives and turn them into actionable market strategies.

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