Tiger Analytics

Data and Analytics Platform Leveraging Amazon Redshift for a Global Pharmaceutical Major

A leading US pharmaceutical firm aimed to shift from on-premises infrastructure to a centralized cloud data ecosystem. We used AWS Redshift to establish a standardized cloud data ecosystem. The serverless architecture of AWS Redshift also achieved significant cost savings.

The Background

Our client, a prominent global pharmaceutical firm headquartered in the United States, specializes in pioneering research, development, and the commercialization of innovative medicines, vaccines, and animal health products. Currently relying on an on-premises infrastructure, the client faces a prolonged process, often spanning weeks, for infrastructure setup. The client aspired to establish a centralized, resilient, standardized cloud data ecosystem as part of their strategic vision.

Key Challenges

\ The infrastructure enablement process is inconsistent and time-consuming, often spanning several weeks.

\ There is a lack of standardization in data and machine learning operations, resulting in fragmented processes.

\ No unified approach to model development, leading to a disorganized experience.

Our Solution
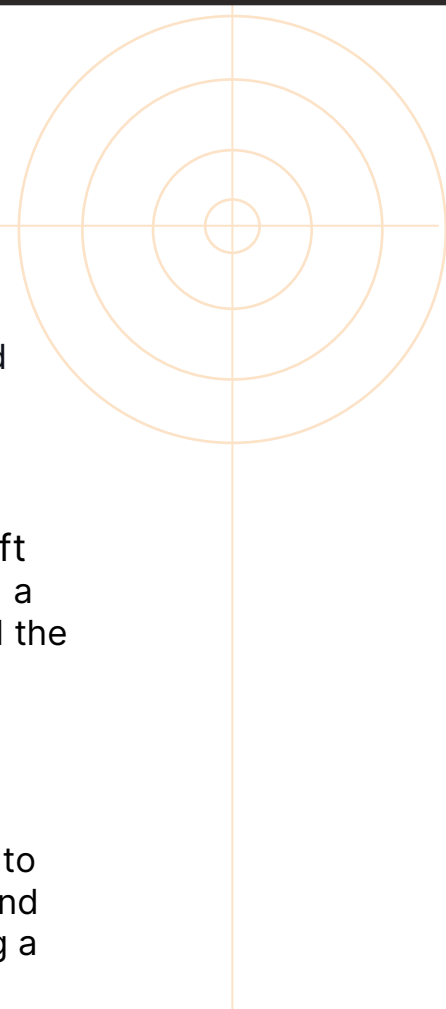
Established Robust Data Foundation
We assessed fundamental needs, examined the current data and analytics ecosystem encompassing tools, frameworks, and use cases, and made informed tool and service selections.

Utilized Automated DataOps Framework with AWS Redshift
We designed an automated solution for provisioning, established a Unified Control Environment, and rigorously validated and tested the solution.

Operationalized and Modernized
Following industry best practices, we migrated two local models to the cloud. We fostered collaboration among data science tools and facilitated insights using a visualization tool, QuickSight, ensuring a modernized and efficient data environment.
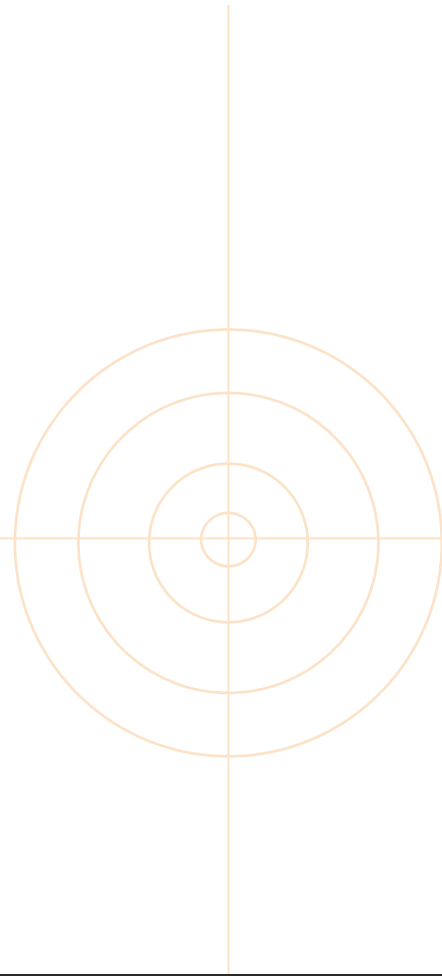
Value Delivered

We slashed the provisioning time for environments, services, and roles across multiple regions, markets, and verticals, reducing it from one month to just one day.

We established a resilient framework featuring a centralized data lake, leveraging Amazon S3 and AWS Redshift. This empowered us to repurpose existing data assets for various projects effectively.

By standardizing data structures and role-based access, we accelerated onboarding and decreased turnaround time for new projects.

Embracing the serverless architecture of AWS Redshift, we achieved significant cost savings by capitalizing on the "Pay as You Go" model for infrastructure provisioning.

About Tiger Analytics

Tiger Analytics is a global leader in AI and analytics, helping Fortune 1000 companies solve their toughest challenges. We offer full-stack AI and analytics services & solutions to help businesses achieve real outcomes and value at scale. We are on a mission to push the boundaries of what AI and analytics can do to help enterprises navigate uncertainty and move forward decisively. Our purpose is to provide certainty to shape a better tomorrow.

Being a recipient of multiple industry awards and recognitions, we have 4000+ technologists and consultants, working from multiple cities in 5 continents.

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