Ability Life Sciences Saves 50% Costs with Highly Scalable and Optimized AWS Multi-AZ RDS for SQL Server

About the Client

Ability Life Sciences is a notable entity when it comes to the manufacturing of bulk drug intermediates and specialty chemicals. Established in 2020, the India-based organization has already claimed a turnover of INR 50 lakh in the last business year. As they grow, their business footprints cover more ground, and they expect a higher profit margin in the future.

Key Challenges

Scalability Issues

Ability Life Sciences had ambitious growth plans and were expecting a rise in the number of orders. To align with the demand, they required fast servers and a robust infrastructure. Their existing solutions were good for the initial growth of the business, but they needed to move on to something better to suit their expansion/growth plans.

Dependency of Physical Servers

The company wanted to reduce its dependency on physical servers and move to its virtual counterparts. The proposed shift was critical as it anticipated a higher flow of users in the coming business year. Physical servers also offered less security and had a significant lag time, because of which this transition became a priority.

High CapEx Cost

The client was seeking an experienced Managed Services Partner that would migrate their infrastructure and existing workload to Cloud and reduce their CapEx expenses.

Website Server Issues

Ability Life Sciences' website was running on an individual server which was slow and unreliable. To ensure security and withstand the influx of new orders, they needed to change the platform.

Solution Offered

A team of experienced professionals from Cloud4C assessed the situation and went through the client's demands multiple times. After several hours of brainstorming, a plan was chalked out that benefited the customer within a short period of time.

In-Depth Consultation

Cloud4C along with its team of experts, conducted multiple consulting sessions to understand their specific requirements and shortcomings in the existing infrastructure. A foolproof POC was developed with a fast-paced delivery timeline.

Fail-Proof Migration

Ability Life Sciences' existing infrastructure was migrated to a custom AWS Cloud platform. The new platform was tailored to make their infrastructure hyper agile, scalable, and secure.

Cost Optimization

The transition reduced the cost of operations. The company is now enjoying 50% lesser expenses on overall costs.

Database Modernization

The team of Cloud4C's engineers provided seamless migration from Native MSSQL Failover Cluster to AWS RDS for SQL. The website was also moved to Cloud Front (CDN) to handle higher user flow. Application and Web Servers were transferred under the Auto-Scaling group so that the infrastructure becomes automatically scalable with an increase in the load.

Key Accelerators

- Mature and trusted AWS MSP since the last decade
- A POC was assigned to create a detailed assessment of existing infrastructure
- 24/7 Support and Consulting by certified AWS Experts
- Frictionless AWS Migration Factory approach guaranteeing zero data loss
- 1 billion+ fail-safe hosting hours administering 40000+ VMs

Results

Cost Optimized Cloud Adoption

Seamless migration to cloud reducing cost of operations

Freedom from Warranty and Lease Expiration

This migration project freed the client from worries of warranty and lease expiration

High SLA

99.99% SLA through Multi-AZ Exchange solution

Fast Implementation

The entire project completed within a week

Greater Efficiency

24x7 hour operation and maintenance for uninterrupted business continuity