

LogiQuad  
solutions

## CASE STUDY

Cloud Native Serverless Application  
on AWS



### **About the client:**

The Client is a US-based organization, working in the healthcare domain for pharmacy claims processing.

They use AWS as their primary platform.

### **Challenges:**

Being into the healthcare domain in pharmacy claims processing client was involved in the many manual task for processing. As dealing with huge amount of data and manual processing was time consuming and introduced human error. In this solution we were dealing with Claims Repricing.

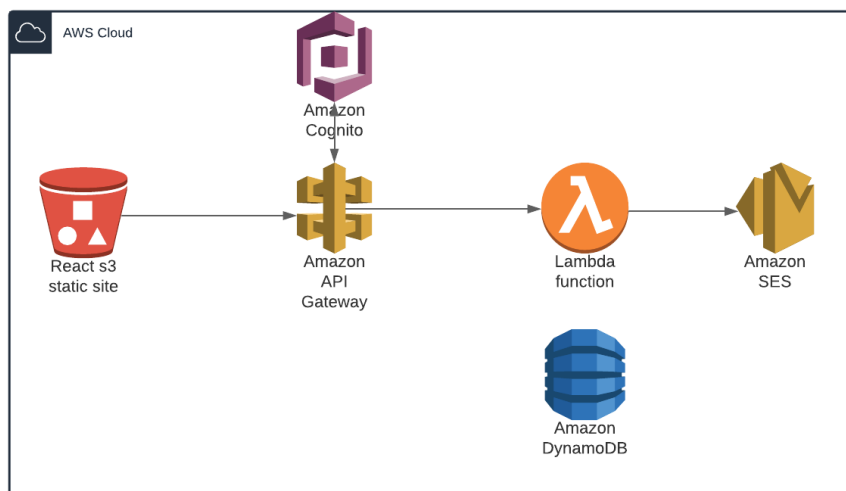
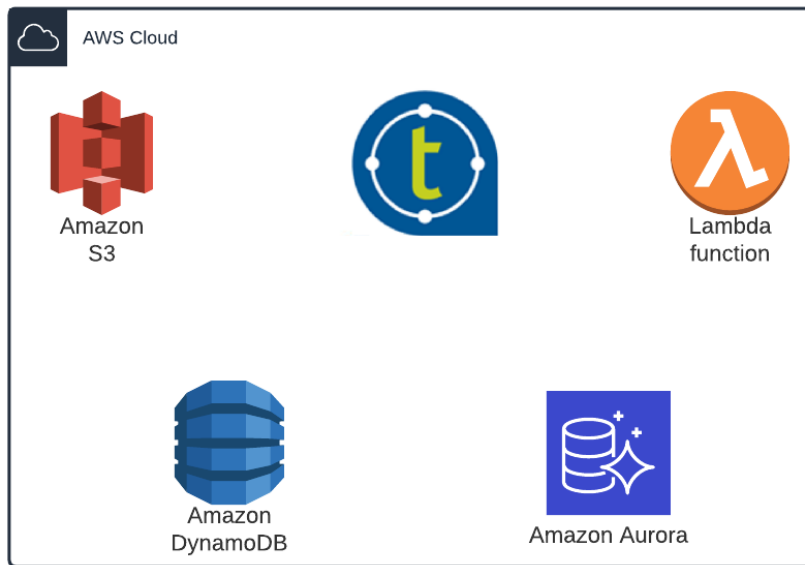
### **Our Solution:**

The solution is to develop a data processing pipeline which is front ended by a portal and would be fully automatic, enhanced with latest web framework and serverless. The solution should provide the automated way to generate repricing estimate reports to client's prospective client.

The entire infrastructure is completely serverless on AWS platform. The data processing pipeline was driven by S3, Lambda and Talend ETL tool. The database used is RDS Aurora. The web stack is a MERN stack hosted on S3 static site, Lambda and API gateway.

Client was able to process the claim 60% more faster and accurate.

### Architecture:



### Business Benefits:

Our solution enriched the client's claims processing system. Our system helped to reduce the manual efforts to process the claim from client. LogiQuad helped in achieving the following business outcome for the client.

- Helped in Increasing throughput/productivity by 60%
- Serverless architecture led to cost reduction and scalable solution
- Helped in saving man-hours, eventually leading to significant cost reduction.
- Tasks are completed at a high degree of accuracy as the process is now system dependent
- Reducing human error.
- Reduces operation time and work handling time significantly.
- Frees up employee's time to focus on other roles.

**WE'VE WORKED WITH A DIVERSE CUSTOMER BASE. HOW CAN WE HELP YOU?**



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