

CASE STUDY – XCLAIM

PROBLEM STATEMENT

The Client’s vision is to develop a platform/architecture which can be based on best practice that could resolve the existing problems. It can be technical solution that would change the way things go by with these queries and how the data is handled. Automating the complete process using Infrastructure as Service.

SOLUTION HIGHLIGHTS

We proposed a solution based on AWS Elastic Search Cluster where it can be used for real time querying and the process should be automated to add new data without disturbing the environments. We created Elastic Search Cluster with Multi-AZ deployments. We also have created a Cron Job setup where this data stream can be updated and deployed on Elastic Search Cluster.

- AWS Elastic Search Cluster with 1 master node which is deployed in multi-AZ architecture. We have 3 Data Node.
- We Migrated the data from their native Postgresql to Elastic Search Cluster.
- POC was created with Dev environment and the complete 2 Million records.
- CodeCommit Repository for the environments which has version for the CloudFormation templates use to deploy the Clusters.
- Different environments were setup as Dev, Stg and Production.
- Elastic Search Cluster are queried through secure APIs.

About XCLAIM



Industry:

XCLAIM® exists to transform it all. By aggregating all US bankruptcy claims into a single centralized marketplace, XCLAIM® is creating the world's first platform to digitally trade bankruptcy claims at scale. Our mission is to maximize value and empower all stakeholders in the claims trading ecosystem by enhancing the efficiency and transparency of today’s illiquid markets.

Challenges:

The Challenge faced by the company is that the data on hand is based in Postgresql querying this data based on the complex relations was time consuming and not efficient. The company did not have setup to handle multiple environments (Dev, stg and Production). Efficient way to handle the data and add new data to the application was a challenge at hand.

WHY AWS

Choosing AWS for implementing solution was because AWS offers Service like Elastic Search Clusters which could address the basic requirement of the application. High Availability and auto scaling would help meet the basic application requirements. Working around best practices would resolve the issue of Cost.

- AWS Elastic Search Cluster address the main issue about the application and improves the efficiency.
- AWS CodeCommit, AWS EC2 and secure APIs help meet the basic application requirements.

WHY customer selected ScaleCapacity, Inc.

XCLAIM chose ScaleCapacity, Inc seeing company take initiatives in building something that could change the way issues are addresses currently. Company's experienced engineers who are Developer associate and professional certified gives them edge in developing something like this. Company's experience in Migrating native application to the cloud with well architect and highly available architecture comes handy. Engineers expertise in implementing developer tools and having experience with AWS Elastic Search and Ec2 application are perfect fit. Company's competency in building solution following best practices would help them achieve their goals and reduce Cost of Ownership.

PROBLEMS ADDRESSED

By using Elastic Search Cluster and managed service by AWS we were able to address the issue at hand. We were able to improve followings:

- Created environments to efficiently manage Dev, stg and Prod architectures.
- Reduces outages by 50% using Elastic Search Clusters.
- We could Achieve secure, highly available and automated architecture.
- We address 2 million records and also improved Cron jobs to add new data efficiently by 75%.

About Partner



ScaleCapacity, Inc. is AWS Advanced Consulting Partner and experienced in providing AWS consulting services related to various client needs, which includes (but not limited to) setting up AWS environments, migrating to AWS, provide well-architected AWS solutions. ScaleCapacity, Inc. has well defined processes to carry out client's strategy for delivering solutions on AWS cloud.

XCLAIM

