Clear Capital | Case Study

instaclustr

Migrating and Scaling With Confidence

Overview

Clear Capital, founded in 2001, is a leader in property valuation solutions for North America. The company's technology platform speeds up loan decision making, delivers analytical insights into the real estate market, and provides the foundation for the delivery of property valuations with professional expertise on the condition, quality, and value of residential and commercial properties.

Use Case:
Building Scalable Platform

Sector:
Financial Solutions

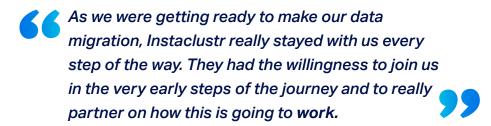**Technology:**
Open Source
Apache Cassandra®

Service:
Instaclustr Managed Platform

Website:
https://clearcapital.com/

> As we were getting ready to make our data migration, Instaclustr really stayed with us every step of the way. They had the willingness to join us in the very early steps of the journey and to really partner on how this is going to **work**.

Larry Robinson
CTO,
Clear Capital

Highlights

- Leaders in property valuation solutions in the U.S.

- The engineering team wanted to focus on the core aspect of product engineering without having to focus entirely on the data-layer.

- Instaclustr devised the entire migration plan, rollback plan and stayed with Clear Capital at every step of the journey.

- Clear Capital is going through a substantial growth phase and continues to reinvest in future-facing strategies.

Challenge

Clear Capital's entire business is founded on data, and while the quality of that data is obviously paramount, so too is the ability of the company to deliver that data consistently and reliably for customers and partners. Some of those customers and partners include the biggest financial institutions in the world.

The challenge for Clear Capital was to build a technology platform that can deliver the scale required for expected growth, and the reliability and performance necessary to deliver on uptime and latency SLAs. The technology platform needed to provide the robustness required to deliver data solutions that are essential to the core business of the company.

Solution

While Clear Capital has strong levels of internal expertise and capability in delivering the development and operational levels for their technology platform, the company was looking to partner with a specialist and reliable vendor to support the delivery of core open source components of the data layer, namely Apache Cassandra. Cassandra provides the foundation of the Clear Capital technology platform and the company needed a vendor who could provide support and dependable expertise in running Cassandra at scale.

Clear Capital did not have time to build the in-house capabilities and expertise for managing the complexity of these data layer technologies. The company wanted a partner who could understand the business and the critical aspects of managing data, which was fundamental to the technology platform.

Having a suitable partner would also provide the benefit of having the company's internal engineering team focused on building the technology for its platform that would bring value to customers—ensuring focus on the product and features and capabilities that are important to the customer.

The Results

Clear Capital selected Instaclustr as the specialist and reliable vendor to support the core open source components of the company's technology platform. As a first step, Instaclustr was able to help Clear Capital migrate from a proprietary solution to open source Apache Cassandra with great results. Instaclustr devised the entire migration plan, including rollback processes and was integral in ensuring that there was no downtime through this transition.

The approach to migration and deployment on to the Instaclustr Managed Platform provided the Clear Capital team with confidence—not only were Instaclustr technical operations team members available 24x7, but they also adhered to the SLAs and migration window Clear Capital had for its customers. After migration was complete, Clear Capital was able to scale with confidence while also realizing significant performance improvements.

Clear Capital is going through a substantial growth phase and continues to reinvest in future—facing strategies that are changing and improving the mortgage finance space. The company is uniquely poised to bring industry leaders together to pioneer solutions that have a wide impact on the U.S. housing market. The Clear Capital technology platform has been built to provide the company with the reliability, scale, and performance required to deliver the future for the company and its customers.

About Instaclustr

Instaclustr helps organizations deliver applications at scale through its managed platform for open source technologies such as **Apache Cassandra®**, **Apache Kafka®**, **Apache Spark™**, **Redis™**, **OpenSearch®**, **PostgreSQL®**, and **Cadence**.

Instaclustr combines a complete data infrastructure environment with hands-on technology expertise to ensure ongoing performance and optimization. By removing the infrastructure complexity, we enable companies to focus internal development and operational resources on building cutting edge customer-facing applications at lower cost. Instaclustr customers include some of the largest and most innovative Fortune 500 companies.