EDB Postgres® AI

CUSTOMER SUCCESS STORIES

# Clear Capital Maps the Future of Property Insights with EDB Postgres® AI

Clear Capital

# CUSTOMER: **CLEAR CAPITAL**

*EDB customer since March 2010*

**Terry Schmitt**
Staff Systems Design/Architectural Engineer
Clear Capital

**Bill Jiminez**
Senior Director of IT Operations
Clear Capital

**CHALLENGE:** Minimizing database expenses while supporting growing infrastructure, development, and spatial data needs

**EDB SOLUTIONS:** EDB Postgres Advanced Server, EDB Migration Toolkit

**RESULTS:** Clear Capital achieved a rapid ROI and enhanced data management and geospatial capabilities by migrating from Oracle to EDB Postgres and PostGIS.

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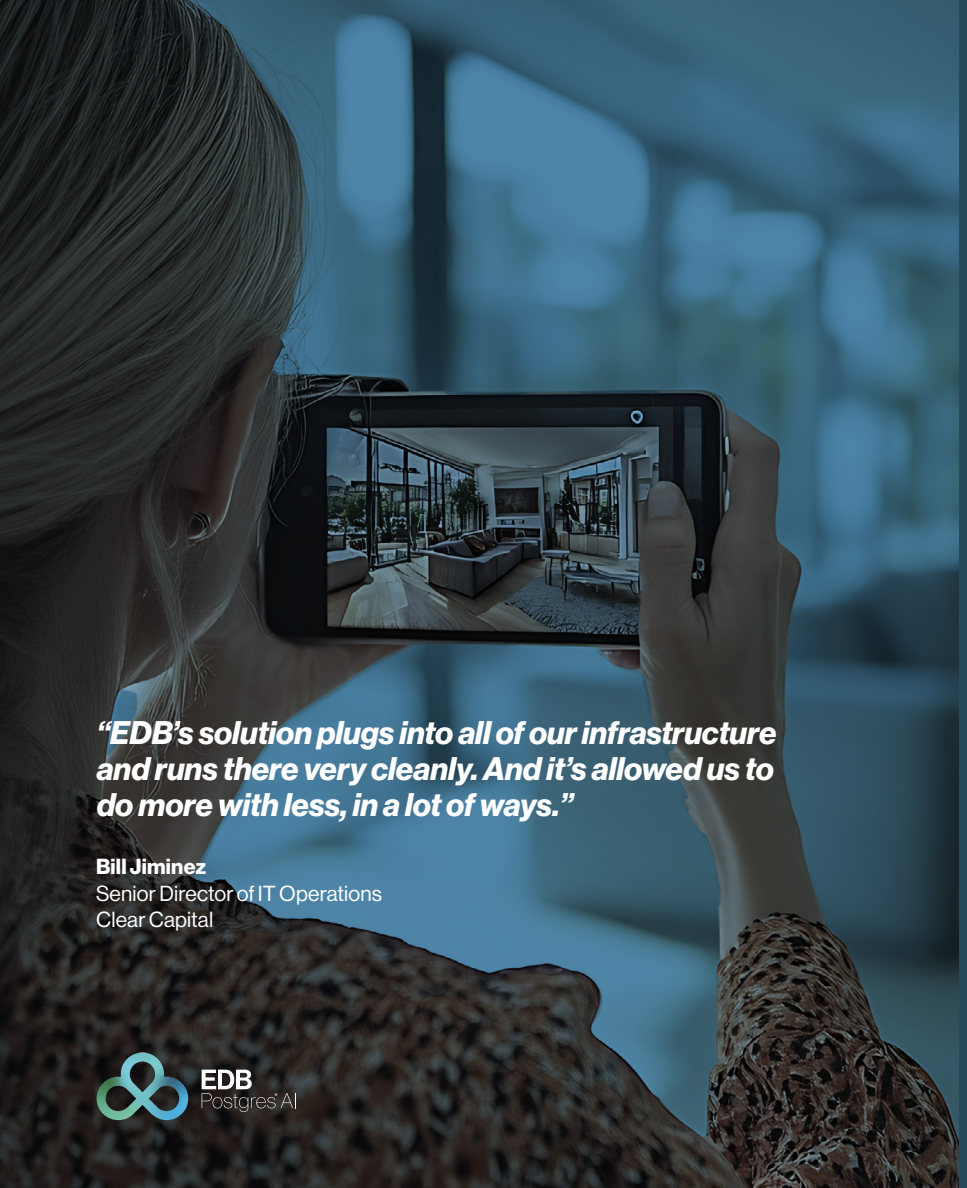
## OVERVIEW

## Pioneering data-driven real estate analysis with a move to Postgres®

As a leader in real estate valuation and data solutions, Clear Capital combines field valuation services, analytics tools, and an extensive U.S. property database to provide its customers with a complete understanding of nearly every U.S. property. One way Clear Capital supports mortgage lenders and service providers, investors, government-sponsored enterprises, and ratings agencies is by pairing its powerful database with innovative technology. The company's unique technology platforms and analytics deliver real-time market insights, assess risk, and advise customers on residential and commercial property values to speed loan decisioning and drive informed investments.

Clear Capital was on a mission to accelerate its technology and data, and the company was facing rising licensing costs that limited its digital transformation potential. One of its primary solutions, the Home Data Index (HDI®), relied on Oracle to deliver timely insights into real estate market trends.

In order to keep costs down and increase flexibility, Clear Capital decided to migrate its legacy Oracle database and applications to Postgres.



***"EDB's solution plugs into all of our infrastructure and runs there very cleanly. And it's allowed us to do more with less, in a lot of ways."***

**Bill Jiminez**
Senior Director of IT Operations
Clear Capital

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The company also realized it could add geospatial capabilities to Postgres with PostGIS, a free geospatial open source extension. Spatial data capabilities are key for accurate property valuation, and PostGIS makes it easy to work with spatial functions such as distance, area, union, intersection, and specialty geometry data types in Postgres. With PostGIS, Clear Capital could overlay multiple layers of spatial data, such as property boundaries, zoning regulations, flood zones, and neighborhood amenities, to gain a comprehensive view of a property's context and potential value.

"We wanted the flexibility to spin up systems as we needed them, without having to factor in the high cost of Oracle licenses," says Terry Schmitt, staff systems design and architectural engineer at Clear Capital.

## A solution that simply works

After reviewing several alternatives, Clear Capital chose to partner with EnterpriseDB (EDB). One of the primary reasons was EDB's compatibility with Oracle, along with EDB's flexible architecture and ease of use.

Oracle compatibility allowed Clear Capital to streamline its migration to EDB Postgres and reduce technical risk while minimizing its re-coding efforts. Before migrating, the company used EDB migration tools to assess the compatibility of its application with EDB Postgres and identify potential challenges. It turned out that nearly 80% of the Oracle application matched with comparable functions and packages in EDB Postgres, and EDB provided an onsite engineer to help with additional customization.

"A lot of the code that we had in Oracle migrated over, maybe with a few touches in some cases. But really, it just worked," says Schmitt.

Bill Jiminez, senior director of IT Operations at Clear Capital, agrees. "Less is more when it comes to dealing with things from an operational standpoint, and simplicity is key," says Jiminez. "EDB's solution is a great fit for us, because it plugs right into our enterprise infrastructure, our NetApp environments, and our networking infrastructure. As a result, we're able to leverage storage platforms like NetApp FlexClone and other core technologies."

# Robust database support fuels real estate innovation

All of Clear Capital's property data is stored in EDB Postgres, and the entire company relies on this data to calculate home price trends and forecast and evaluate risk in property decisions. While the database generally runs seamlessly, EDB's dedicated support team is there when additional help is needed.

"Having a supported product is critical for us," says Jiminez. "With EDB, we know there's a person there on the other side. There's someone that can support us as a company, so we don't fall into the open source support realm."

Clear Capital especially appreciated EDB's support when the company discovered a major performance degradation with PostGIS during upgrades. EDB immediately assigned a developer to help resolve the issue.

Many EDB engineers are developers in the Postgres community and speak the language of open source. The EDB developer working with Clear Capital knew the PostGIS code and collaborated with the lead developer at PostGIS to quickly code a fix, which made it out the door in a PostGIS minor release.

"Having a partner like EDB has allowed us to make traction in ways that we couldn't achieve on our own," says Jiminez. "The support we receive is a huge value add to the relationship."

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EDB provides a data and AI platform that enables organizations to harness the full power of Postgres for transactional, analytical, and AI workloads across any cloud, any time. For more information, visit www.enterprisedb.com.



# Building the future of real estate with data intelligence

Clear Capital saw a significant return on investment with EDB within the first couple of years, and the benefits continue to this day.

The robust scalability and adaptability of EDB Postgres enables its data to be seamlessly leveraged by its products, ensuring that Clear Capital is optimally positioned for future growth.