



CUSTOMER SUCCESS STORIES

Shinhan EZ General Insurance Migrates Seamlessly from Oracle to Postgres® with Support from EDB





CUSTOMER: SHINHAN EZ GENERAL INSURANCE

EDB customer since 2023

Kim Soo-chang

Manager, IT Planning and Operations Team

CHALLENGE: Replacing existing Oracle DBMS with a cost-saving alternative that offers stability, scalability, high availability, and ease of use for developers

EDB SOLUTIONS: EDB Postgres Advanced Server

RESULTS: Stable server migration with zero downtime. Customer recouped investment costs within six months and reduced annual operating costs by more than 50%. EDB provides ongoing comprehensive global support services to help keep the customer's database operations running smoothly.



OVERVIEW

Insurance company modernizes its database and cuts operating costs by more than 50%

Insurance is one of the largest industries in the world, with a global market value estimated at around 6.8 trillion U.S. dollars. Embracing digital transformation is essential for insurance companies looking to stay ahead of the curve in this competitive market. For Shinhan EZ General Insurance Co., that meant modernizing critical systems with help from EnterpriseDB (EDB).

When Shinhan EZ decided to leave Oracle and migrate its core systems to a new database, its IT leaders were already interested in open source, and specifically in Postgres. Shinhan EZ was looking for a solution that offered seamless compatibility with Oracle, cost savings, and ease of use for developers and administrators.



Shinhan EZ chose EDB and Postgres for its database migration because [EDB Postgres Advanced Server \(EPAS\)](#) ensures more than 95% Oracle compatibility. Plus, the cost savings and strong global technical support services offered by EDB made it a perfect fit for this innovative insurance company looking to modernize and accelerate its database.



The decision paid off, as Shinhan EZ was able to recoup its investment in EPAS within six months of migration, and the business reduced its annual operating costs by more than 50%.

“Shinhan EZ General Insurance has successfully completed a stable migration of its account system from Oracle DBMS to an open source DBMS with high scalability and compatibility, securing a powerful option for database operation optimization through EDB’s strong global service and support system,” says Kim Soo-chang, manager of the company’s IT Planning and Operations team.

EDB supports a seamless migration to Postgres

Shinhan EZ General Insurance Co., Ltd., is a comprehensive general insurance company based in South Korea. It provides various insurance products that cover the risks of everyday life, such as auto, fire, accident, and travel insurance. In this digital age, customers expect modern, convenient ways to do to business, and Shinhan EZ delivers ease of use with its mobile app and online platform, where customers can subscribe to insurance and manage all their options online.

Before Shinhan EZ team chose EDB and Postgres, they compared and reviewed a number of options, looking for the best fit that would provide seamless compatibility with Oracle and save money on implementation and management. Plus, they wanted a DBMS that was familiar to internal developers and administrators. One of the key reasons for the company’s ultimate choice was EDB’s EPAS product, which provides more than 95% compatibility with Oracle DBMS schemas and objects, ensuring a stable system migration and operation. The company noted that EPAS offered the cost savings and strong global technical support services it wanted in a database solution.

Shinhan Financial Group and Shinhan EZ thoroughly tested EPAS for performance and availability prior to moving forward with the project. EPAS demonstrated satisfactory results in all aspects of testing, which minimized any surprises or issues during implementation. IT leaders at Shinhan EZ were also impressed by EDB’s active participation in the global PostgreSQL community. Because [EDB contributes significantly to PostgreSQL](#) performance enhancements and the development of new features, the company knew EDB would be a strong Postgres partner.


In the course of implementing EPAS at Shinhan EZ, EDB provided comprehensive support, including product utilization training, verification of smooth operation during the open source DBMS transition, data migration, initial operations, and system stabilization.

Major cost savings and new operational efficiency

Migrating from Oracle to Postgres with EPAS proved to be a massive success for Shinhan EZ, both technically and financially. Because EPAS provides more than 95% Oracle compatibility, the migration process went extremely smoothly. As Shinhan EZ began implementing EPAS, initial tests showed more than 90% schema compatibility with Oracle DBMS, ensuring a seamless transition. By using [EDB's Migration Toolkit](#), the company was able to transfer servers with high stability and zero downtime. Plus, all of EDB's comprehensive global support services are available to Shinhan EZ whenever they are needed, from migration to implementation, operation, and execution strategies. IT leaders at Shinhan EZ have additional peace of mind knowing their database is supported by knowledgeable and experienced PostgreSQL specialists at EDB.

Additionally, IT leaders at Shinhan EZ say introducing EPAS improved the stability and efficiency of IT services by establishing an open source management framework and standardized operation guide. The internal operational efficiency also saw significant improvements, enabling flexible architecture that maximizes availability and resource utilization through automated disaster recovery (DR) and redundancy system operations aligned with recovery point objective (RPO) and recovery time objective (RTO) standards.

Migrating from Oracle to Postgres unlocked new flexibility and scalability for Shinhan EZ. Unlike the previous Oracle DBMS, whose license purchases based on CPU cores and server count made expansion difficult, EPAS allows agile, real-time system expansion as required. EPAS's open source ecosystem supports flexible development tailored to business needs, enabling Shinhan EZ to quickly apply the latest IT technologies, such as big data analytics, machine learning, AI, and IIoT, to its services.



“We promoted the transition from the Oracle DBMS applied in our next-generation core systems to an open source DBMS. Prior to the next-generation system, we used SYBASE DBMS, but it lacked the necessary support for costs, issues, and maintenance responses. Through careful review, we chose EDB Postgres Advanced Server (EPAS), which not only ensures a stable DBMS migration but also offers high scalability and compatibility for future service offerings, along with a global service and support system.”

Kim Soo-chang
Manager, IT Planning and Operations Team

“Shinhan EZ General Insurance has adopted EDB’s EPAS as a management system for large-scale open source databases, securing sufficient flexibility, scalability, and security. We are highly satisfied with the stability of our system guaranteed by EDB’s 24/7 global support service. EPAS is an optimal alternative for those considering DBMS replacement or new adoption.”

Kim Soo-chang

Manager, IT Planning and Operations Team

Unlocking a flexible and scalable database future

Companies around the world have chosen EDB and Postgres to modernize and accelerate their data stacks. EDB proudly serves some of the world’s leading financial services, government, media and communications, and information technology organizations. Leveraging its experience with financial institutions such as BC Card and Kakao Bank, EDB provided Shinhan EZ with the best possible stable DB migration services and custom solutions.

Soo-chang explains how successful the migration was, saying, “By adopting EDB’s EPAS, Shinhan EZ General Insurance has secured sufficient flexibility, scalability, and security for managing large-scale open source databases. We have also gained powerful options for building, managing, and optimizing open source databases based on EDB’s extensive experience in supporting PostgreSQL. EDB’s expert engineering team provided timely support, ensuring a safe system transition. EPAS offers various support and management features that enhance compatibility with Oracle database technology, improve security, and increase performance management efficiency, making it an ideal solution that enhances developer DBA productivity.”

The world has changed more in the last decade than it had in the previous century, and nowhere is this more evident than in the banking, financial services, and insurance industries. Staying ahead of the curve requires flexibility and scalability that only Postgres can offer. With EDB, Shinhan EZ is already set up for success in the digital economy of the future.

Looking ahead, Shinhan EZ plans to standardize and build its DBMS on EDB’s EPAS, not only for additional replacements of the existing Oracle DBMS but also to support the expansion of next-generation banking systems. The company will be able to rely on EDB services every step of the way.



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.

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