

Case Study

# Migrating Oracle Databases from Bare Metal to Amazon RDS for Oracle

In this case study, learn how Datavail helped Insurent improve Oracle performance and reliability by moving from on-premises infrastructure to Amazon RDS for Oracle.

## Background

Insurent is a lease guaranty service that acts as a rental cosigner connecting landlords and creditworthy renters.

It works with more than 725,000 units in 7,000 buildings across 10 states. This company's service helps well-qualified tenants when they don't meet a landlord's requirements.

For example, tenants without a credit history can have difficulty getting approved for an apartment, especially in a competitive market. Insurent acts as a third-party guarantor to reduce the landlord's risk and expand the pool of prospective tenancy to otherwise creditworthy individuals.

## The Challenge

Insurent had a custom lease management web application built on an on-premises Oracle 10g database, with 16 CPUs powering it on an older IBM AIX system. This implementation presented several problems, including:

- **Performance issues:** As the on-premises system got older and Insurent's service grew, performance began to suffer. The scalability was not up to par compared to modernized, cloud-based Oracle databases.
- **Reliability problems:** The system wasn't as reliable and resilient as it needed to be to support Insurent's operations. Outages could be extremely disruptive to tenants and landlords.
- **Cost of scaling and maintaining on-premises infrastructure:** Insurent had to procure, provision, deploy, and maintain all the underlying hardware and software that supported its Oracle databases.
- **Expenses associated with Oracle licensing:** The annual license fees charged by Oracle added a significant amount to the total cost of ownership of the lease management web application.

## The Solution

Migrating from an older IBM AIX system limited the choices available, and usage of datapump was required. Datavail's Oracle expertise and ability to support Insurent's on-premises and cloud deployments made the migration to Oracle RDS and EC2 a smooth process. We also provided a safe and efficient way to migrate to the AWS platform, so no data was lost in the process.

## The Results

After Datavail migrated Insurent's Oracle databases to Amazon RDS, the lease management system had improved performance and reliability. Another area of cost savings came from moving to an inclusive Oracle license offered by Amazon RDS for Oracle. The licensing cost was rolled right into RDS' hourly pricing, vastly simplifying this process. Previously, they used an annual license.



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