

Case Study

Lucidoc Improves Performance & Reliability with Amazon RDS for Oracle Migration

This case study reveals how Datavail helped Lucidoc, a healthcare compliance and document management solution organization, plan and migrate its Oracle databases to Amazon RDS to resolve licensing and performance issues.

The Challenge

Lucidoc encountered performance and scaling issues following a migration from Oracle on bare metal to Amazon EC2. The system performed best on a higher CPU count configuration, which drove up licensing costs. Plus, certain Oracle text functions were not working as efficiently as desired on EC2. The many schemas representing various client organizations also contributed to the complexity of migration planning and implementation.

They also needed assistance from a managed services provider that could support Oracle deployments on bare metal, Amazon EC2, and Amazon RDS, as all three platforms were involved in the migration process.

The Solution

Lucidoc chose Datavail for our Oracle expertise and ability to support their prior on-premises environment, their current EC2 environment and the end goal of Oracle RDS on AWS. Our thorough understanding of the AWS Database Migration Service (DMS) tool helped smooth Lucidoc's migration process, as we could match the best solution up with their complex infrastructure.

We also used our expertise to recreate certain Oracle text indexes, as they were not brought into the new RDS environment with either Oracle Data Pump or AWS DMS. We also chose to break up the DMS process into multiple segments, as the migration involved 90 different schemas. Our experience with Oracle migrations to AWS allowed us to streamline the process for this customer and meet the expected cost and performance goals.

The Results

Lucidoc enjoys improved Oracle performance and reliability now that they migrated to Amazon RDS for Oracle. They were able to cut their CPU level from 16 down to 4 without compromising on their end user performance experience. Oracle text is also now working as expected in this new environment.

This migration also allowed the customer to pay for their Oracle licensing for the development and testing environments on an ongoing basis, so they avoided having to maintain their prior annual licensing contract for those servers.

This migration may not be the last one. Datavail continues to collaborate with Lucidoc on its migration away from Oracle RDS towards alternative database technologies to enhance the performance, scalability, and cost effectiveness of their application hosting, as well as other AWS database services, such as DocumentDB and ElastiCache. Datavail is ready to assist with this pending effort.



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