LEGENDRY HEALTHCARE FIRM REPLATFORMS EHR TO SAVE ~10 MN/YR OPEX

The caregiver's electronic health records database now leverages the excellence of Oracle Exadata to deliver excellent performance — economically — and on a unified platform that replaced a purpose-built, complex data warehouse architecture.

Abstract

Infolob's database doctors delivered a specialist job to this renowned care provider when they were struggling to sustain their expansive and expensive EHR platform. Our Texas-based innovation lab first showcased the proof of concept of the future architecture and then our experts executed the migration seamlessly to accomplish the assignment flawlessly that now saves our client several million dollars of operating costs per year.

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Business Concerns

The client is a world-class health care providers' consortium serving communities in the United States for close to a century. By collaborating healthcare, technology, and coverage, it has trailblazed a highly efficient and accessible medical care model — inspiring the world to replicate. It is home to a whopping 300,000+ medical professionals — including over 60,000 nurses and close to 25,000 physicians. The client's core specializations include prevention/screening, cardiovascular care, maternity care, extensive diabetes care, and clinical depression.

Devoted to treating such critical health issues and housing the enormous medical professionals base - the healthcare provider hosted its primary, electronic health record (EHR) database on a purpose-built, data warehouse architecture. Yet this platform, while being highly performant, was also extremely expensive to own and align with budgetary constraints.

In numbers, it was approximately 10s of millions of dollars per year. Due to the high cost of ownership, the provider was interested in moving their data platform to a more mainstream environment. And Oracle database was the obvious choice given its ability to handle extremely large data volumes across multiple industries.

Infolob's Intervention

Knowing that the provider would require both high performance and elasticity - Infolob recommended the Exadata platform to host the Oracle database. In order to prove Exadata's capability to run Oracle database, experts at Infolob sized an Exadata architecture to perform a Proof of Concept. This was followed by testing for a comparison between Oracle on Exadata and the incumbent system. Eventually, Oracle turned out to be 10 - 100 times faster than the purpose-built data warehouse platform.

Business Outcomes

Following the successful Proof of Concept, the provider compared the single year cost of the incumbent system to the cost of an entirely new Oracle Exadata architecture. It was discovered that the Oracle products are significantly lower in cost while generating unprecedented performance. Cost savings in the first year were over $10M on the hardware and software support, individually. Since then, the provider has been able to add additional workloads to the Oracle Exadata platforms - saving even more expense and resources through consolidation.

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