

ENERGY ENTERPRISE OPTS FOR CLOUD DATABASE TO REDUCE ON-PREM DATA CENTER FOOTPRINT AND SPEND



Infolob lends unparalleled Oracle expertise to one of the largest shareholders of the US energy industry, addressing a host of requirements at just one swipe - including cloud enablement, cost rationalization, and avoiding changes to the database.

Abstract

A large energy delivery organization was running Oracle SuperCluster in support of multiple, critical database environments. As this platform was nearing its end of life and support from Oracle, Infolob migrated their huge volume of mission-critical databases to the Exadata Cloud Service platform. Implementation of a GoldenGate process enabled rapid replication, filtering, and transformation of data from on-prem databases to cloud.



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Business Concerns

The nuclear electric power generation company with 18,000+ employees serving 10+ million customers is a group of half a dozen regulated transmission and distribution utilities. This meant their IT environment was expansive and therefore, their database environment was supported by Oracle Super Cluster.

The concerned database environment was over 300TB in size and was used in operational support of the provider's daily business. For this reason, only Oracle Cloud Infrastructure (OCI) and the Exadata Cloud Service were capable of handling the volume while maintaining the performance of the outgoing SuperCluster.

While the provider did explore the use of other cloud environments, all except OCI required that they materially change the database in order to utilize the required technologies. Plus, none of the non-Oracle CSPs supported such large Oracle footprints.

Infolob's Intervention

Infolob supported this initiative by implementing a GoldenGate process that utilized a small, on-prem environment as a 'drop zone' where incoming data could be stored and forwarded to the Exadata Cloud Service. To kick off this process, Infolob first orchestrated the migration of the initial 300TB of data from the SuperCluster to OCI followed by instantiating the GoldenGate process.

Business Outcomes

As a result of this migration, the Infolob was able to prove that OCI was a viable alternative to their on-prem Oracle Engineered Systems. This successfully opened the door for additional savings in data center expenses along with providing a reliable, fully competent cloud environment capable of hosting very large business-critical database environments.

