TECHVISIONS

Oracle Extended RAC Implementation for a Public Sector Organization in the Oil and Gas Industry

Company Profile

A leading public sector entity in the oil and gas industry required a highly resilient and scalable database solution to support its mission-critical applications. To meet their operational demands, the organization sought to implement an Oracle Extended Real Application Clusters (RAC) solution on their Lenovo High-Performance Computing (HPC) infrastructure.

Business Need

The primary objective was to implement a complex Oracle 19c Extended RAC solution across 48 nodes, distributed over three different sites. The solution was designed to enhance database availability, improve performance, and ensure disaster recovery capabilities for the organization's critical operations.

Key Business Objectives

- Implement Oracle 19c Extended RAC solution across 48 nodes
- Distribute the solution over three different sites to enhance availability
- Ensure disaster recovery capabilities for critical operations
- Improve overall performance and provide seamless failover

Challenges

- The project involved rigorous testing and validation to comply with the organization's strict standards.
- Ensuring full compliance with the organization's requirements and validating the system's performance and reliability across all three sites were critical components of the project.

The Solution

We successfully implemented a complex Oracle 19c Extended RAC solution spanning 48 nodes across three distinct sites. The solution was meticulously planned and executed to ensure data replication, high availability, and optimal performance. It was designed to provide redundancy and seamless failover capabilities between the three locations.

The Outcome

The project was successfully completed, with Oracle 19c Extended RAC implemented across 48 nodes, distributed over three sites. The solution delivered improved data availability, disaster recovery capabilities, and enhanced performance for the organization's operations. The implementation fully met the organization's testing and compliance standards, ensuring a robust and reliable system.

Client Feedback

The organization provided positive feedback, expressing satisfaction with the project's execution and the overall solution. The successful implementation of the Oracle Extended RAC solution exceeded their expectations, reinforcing the reliability and performance of their critical infrastructure.

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