Oracle Exadata Database Machine
TCS' Migration Capabilities

Enterprise Solutions

IT leaders confronted by increasing demands for scalability and performance from their information architecture are turning to the Oracle Exadata Database Machine. Oracle Exadata merges servers, storage and database software into one system for high-volume data warehousing, transaction processing and analytics. The final result is better all-around performance in big data environments.

But there is one significant upfront challenge…. The migration of existing data. Data migration to Oracle Exadata Database Machines puts great demands on the expertise and availability of IT talent and technologies. Your understanding of existing data systems must span application workloads, database management systems, physical platforms and, most importantly, the data itself. You'll need migration experts as well as people who know the best ways to manage extraction, integration, integrity and design. Their strategic counsel and guidance about server technology, anticipated data growth, availability and support is critical to your success.

Overview

To relieve this pressure on their IT organization and ensure a flawless migration, IT leaders around the world lift this burden from their shoulders and place it squarely on ours—with consistently outstanding results. Tata Consultancy Services (TCS), home to the largest concentration of Oracle Exadata talent outside of Oracle itself, has developed database migration tool for Oracle Exadata customers. This tool combines a proven methodology and approach for rapid development and deployment with predictable results, lower cost of execution, reusable components and standardization of technology and processes.

Benefits

- **Simple platform**: Web-based and easy to deploy on desktops.
- **Total efficiency**: Reduces database migration effort by 30 to 35 percent.
- **Full migration**: Migrate entire databases (including the data, schema, procedures, triggers and scripts) from any version Oracle source database.
- **Live migration (where possible)**: Migration without downtime on business operations.
- **Optimized migration**: Ensures that Oracle Exadata is perfectly tuned for performance, scalability and availability.
- **Proactive migration**: Identification and resolution of potential performance and stability issues before they impact your enterprise.

ORACLE® Diamond Partner

Migration Services

TCS' data migration services include migration of Oracle databases for ERP/CRM applications into the Oracle Exadata Database Machine, including E-Business Suite, Siebel, PeopleSoft and JD Edwards.

Specific service offerings include:

Data warehouse consolidation
- Define high availability requirements including recovery time objective (RTO), recovery point objective (RPO) and disaster recovery (DR) time
- Identify system requirements
- Estimate peak, average and idle workload periods
- Set security and organization boundaries

Conversions and migrations
- Data, database and data warehouse migration
- Platform and application migration
- Backup/recovery, disaster recovery and security policies migration.

Post-migration validation of all systems, applications and data
- Performance testing and tuning
- Response time and throughput testing
- Performance diagnostics
- User acceptance testing

The TCS Center of Excellence for Oracle Exadata

TCS is the first consulting and technology services organization to launch a global Center of Excellence (CoE) for Oracle Exadata. Soon after opening this CoE, TCS became the *first* Oracle PartnerNetwork member to achieve an Advanced Specialization in Oracle Exadata.

The CoE for Oracle Exadata accelerates deployment, reduces risk and delivers sustained operational excellence. Our team of veteran Oracle solution architects and senior consultants deploy proven processes, proprietary predictive monitoring and automated diagnostics tools. This ensures that Oracle Exadata is optimized and tuned for data warehousing, transaction processing and mixed workloads.

CoE Highlights
- More than 60 certified Oracle Exadata implementation specialists, with a new one certified every two weeks
- More than 2,000 Oracle Database consultants, including many Exadata performance-tuning experts
- Continuous competency development with an emphasis on partner training programs
- Oracle Exadata X2-2 high performance quarter-rack for benchmarking and proofs of concept
- Specialized tools for readiness assessment
- Production support of mission-critical ERP and BI systems
- Proven track record of successfully completely large, global engagements

Contact

To learn more about TCS' Oracle Exadata solutions, contact
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About Tata Consultancy Services Ltd (TCS)

Tata Consultancy Services is an IT services, consulting and business solutions organization that delivers real results to global business, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of IT and IT-enabled infrastructure, engineering and assurance services. This is delivered through its unique Global Network Delivery Model™, recognized as the benchmark of excellence in software development. A part of the Tata Group, India's largest industrial conglomerate, TCS has a global footprint and is listed on the National Stock Exchange and Bombay Stock Exchange in India.

For more information, visit us at **www.tcs.com**

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