



Database Engineering and Management Suite

IT Infrastructure services



Database infrastructure services are undergoing a transformation, as IT solutions become more customer-focused and systems progress toward responsive, end-user driven models. Strategic business activities such as mergers and acquisitions, restructuring, and cost optimization require highly agile and inexpensive IT infrastructure and applications. Enterprises therefore seek technology solutions that are aligned to business objectives, and can achieve optimal response time, availability, throughput, and resource utilization. As many companies still employ expensive, inefficient database administration (DBA) platforms, there is also a rising demand for an effective tool that can handle complex database systems.

Tata Consultancy Services' (TCS') Database Engineering and Management Suite enables efficient database administration and offers standard operating procedures (SOPs) and other knowledge documents for database management. The offering, including services such as incident resolution, data migration and upgrades, helps significantly reduce operational costs, while boosting business agility.

Overview

As IT operations become more application-centric, there is an increasing demand for effective database management to ensure accuracy, consistency, and availability across applications. However, a large number of enterprises still operate database systems in silos, and often have insufficient resources to tackle administrative challenges faced while launching complex clustered systems. Additionally, the lack of a DBA automation platform increases the costs and time involved, as well as risks related to system outages and resource allocation.

TCS' Database Engineering and Management Suite addresses these challenges by offering dedicated support over a cloud-based Database Platform-as-a-service (DBPaaS) platform. Our secure, scalable, highly available, and self-service database platform helps enterprise architecture professionals and developers respond swiftly to business imperatives as well as deliver innovative products and services. TCS' suite of solutions and services enables the automation and standardization of database deployments and routine operations across various database layers and environments. Further, equipped with remote database management and optimization features, the offering helps minimize IT expenditure, while continuously rolling out service enhancements based on best practices. TCS' services also ensure round-the-clock availability of support staff for global development teams, enabling faster resolution of incidents.

Our Services

TCS' Database Engineering and Management Suite includes:

- **Database business as usual (BAU) operations:** Includes round-the-clock database monitoring and administration, incident management, migration, and upgrades.
- **Database build services:** Enables smooth software installation, database creation, and configuration. TCS' DBPaaS platform delivers database functionality in private, public, or hybrid cloud.
- **Database backup and recovery administration and HA services:** Offers design, implementation, maintenance, and support for backup solutions. Delivers high availability solutions like database clusters, replication, stand-by, mirroring, and disaster recovery strategy implementation.
- **Performance optimization and database optimization services:** Assesses multiple layers to optimize database systems linked to diverse applications; leverages capacity planning, database consolidation, automation, and virtualization to augment database environments.
- **Database security:** Enables database hardening, separation of duties, auditing, patch management, access control, data protection, as well as compliance with regulations such as Sarbanes-Oxley, HIPAA, and Basel-II.

Overview of TCS' Database Engineering and Management Suite



Benefits

With TCS' Database Engineering and Management Suite, organizations can reap the following benefits:



Reduced TCO: Minimize the total cost of ownership of technology applications and augment the related return on investment through database transformation. Reduce the time and effort, and therefore cost, involved in database administration with automated solutions.



Higher business agility: Capitalize on the automated DBPaaS platform to boost the time-to-market, and leverage our solutions to ensure high quality, always-on applications. Resolve incidents swiftly with comprehensive support services and known error databases (KEDBs).



Regulatory compliance and higher security: Ensure full compliance with industry regulations, while keeping your data safe with robust, in-built security measures.

The TCS Advantage

By partnering with TCS, enterprises can leverage the following differentiators:

- **Domain expertise:** We have several decades of global experience in offering comprehensive database administration services, across industries and over varied DBMS platforms such as ERP databases. TCS invests heavily in research activities involving emerging database related technologies.
- **Delivery excellence:** TCS' ITIL-based service delivery model ensures integrated service delivery across DBMS platforms and geographies.
- **Strategic partnerships:** TCS is an Oracle global systems integration partner and certified advantage partner for Cloud Elite. We are also a gold partner and global service integrator for Microsoft, as well as the premium partner for multiple vendors providing IBM, SAP, HP, CA and BMC database solutions. This gives us access to a comprehensive portfolio of advanced solutions that can help enterprises achieve flexibility, scalability and adaptability in dynamic environments. Organizations can also tap into resources like technical consulting assets that aid in boosting competency and facilitate rollout of enhanced feature developments.

Awards & Recognition



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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.

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