

# TCS Data Center Services

IT Infrastructure services



Advancing technology trends are compelling enterprises to enhance data center utilization and reduce operational costs to stay competitive. There is also a growing need to leverage emerging technologies to make data centers agile, automated, secure, and green. Businesses are constantly striving to achieve these objectives as well as align their IT systems with overall business goals through innovation, data center transformation and cloud based solutions.

Tata Consultancy Services' (TCS) data centre services enable a holistic approach to designing, transforming, and streamlining your data centre operations for improved efficiencies across the enterprise. We help customers assess the current operating environment and derive optimal solutions for effective transformation. By leveraging our proprietary tools and methodologies such as e-Transform and eReadines, our offering improves flexibility and reliability, and also provides the agility to migrate to the latest technologies. This helps you reduce the total cost of ownership (TCO) and accelerate time-to-market.

## Overview

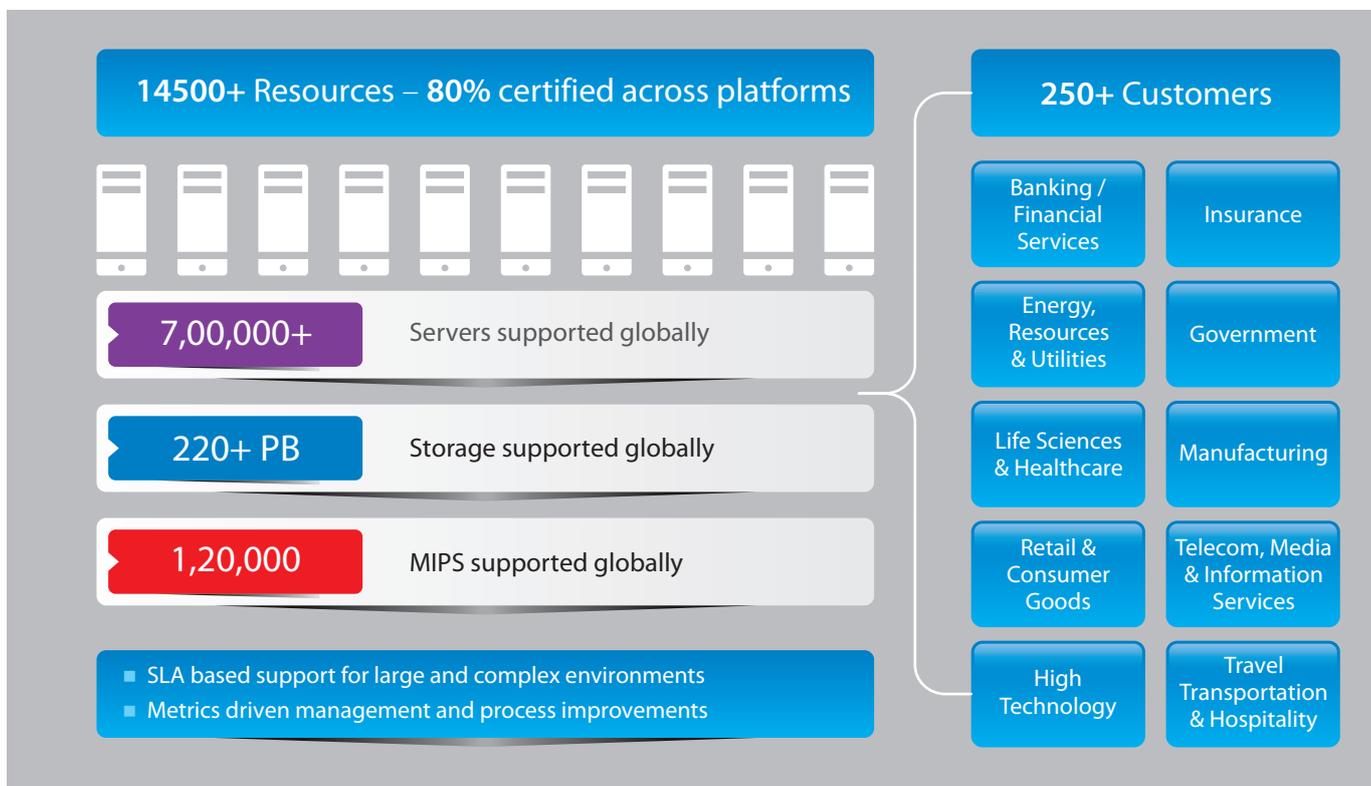
Technological advancements including cloud computing, automation, social media and mobility are forcing corporations to focus on creating efficient and cost effective data centres. However, IT infrastructure maintained in silos and operating in disparate environments is increasingly leading to operational inefficiencies. With such complexities, the management of servers, storage and networks become difficult. Furthermore, rapid business expansion plans made to keep pace with a dynamic market environment often lead to frequent and unplanned infrastructure upgrades. This results in significant financial and operational impact. The situation is further complicated by the lack of standardization, a central repository of reference documentation and adequate support from third party vendors.

TCS' end-to-end data center services across business domains help standardize, virtualize, and maximize IT infrastructure and assist you in adopting cloud technology as a pay-per-use model. We offer comprehensive solutions including consolidation and optimization of the IT infrastructure environment. Our solutions addresses challenges like server sprawl and consolidates the infrastructure footprint in data centers to reduce cost and complexities. In addition, we enable optimum reusability and technology consumption across business units by facilitating transparency, easy sharing capabilities, and an 'on-demand' environment. Our cloud-based infrastructure-as-a-service model helps you enhance operational efficiencies through technology augmentation and save on capital expenditure.

## Our Solution

We offer comprehensive data center solutions including transformation and systems management, hosting and colocation services and building of secure and energy efficient infrastructure environments. . Our offerings help re-engineer your data center infrastructure and align its capacity with your business outcomes. We address not only technological challenges and cost pressures but also help realize data center infrastructure investments to their full potential.

To further assure operational excellence, our dedicated data center services team, with the support of a service management ecosystem, provides round the clock support for your business processes, transactions and transformed data center environment. Our solutions help foster your business growth and transformation initiatives by optimizing costs and ensuring that the initiatives are well within your budget.



**An overview of our Datacenter Service capabilities**

## Benefits

Our data center facility and transformation services provide the necessary engineering support to right-size your infrastructure.

- **Enhanced infrastructure efficiency:** Leverage existing, emerging, and innovative data center technologies and automated tools to streamline data center operations, improve efficiencies and productivity.
- **Increased business agility:** Align data center infrastructure and associated capabilities with business goals to help translate overall business objectives into tangible IT services specific to the data center.
- **Optimized operational expenses:** Optimize cost and ensure the appropriate use of information resources with reusable assets and tools, combined with the ability to ramp-up or down.
- **Improved data center scalability and privacy:** Enhance scalability and adaptability of your data center with regular project mentoring for new technologies, and consolidation and virtualization. Our model also ensures data security, integrity, and reliability.

- **Vendor-agnostic approach:** A vendor-neutral approach enables us to recommend the best-of-breed solutions that fit your needs, with the most advantageous commercial proposition.
- **Metrics-based governance and process improvement:** Statistical process control and other analytical techniques enable us to perform proactive trend analysis of incidents to drive continuous service improvement programs and enhance the resilience of IT services.
- **Innovation labs:** Tools and analytical techniques developed by our Innovation Labs deliver productivity improvements and deeper insights for proactive service delivery.
- **Industry-standard frameworks:** Alignment with industry-standard frameworks like ITIL V3 and Service CMMi, in conjunction with our pool of ITIL-certified associates makes the best service- and process-oriented techniques available to you and ensures delivery excellence.
- **Strategic alliances:** Our strategic partnerships with leading vendors give us access to their comprehensive portfolio of data center technologies and assets. This enables us to develop, test and build proofs of concept for a wide ranging spectrum of data center products. These leading edge offerings deliver customized flexibility, reusability and adaptability.

## The TCS Advantage

Our knowledge assets and dedicated Centers of Excellence (CoE) help us harness industry best practices to deliver transformational data center infrastructure production and support services.

As a preferred partner for a large number of worldwide clientele across business domains, our unique business proposition includes:

## About the TCS IT Infrastructure Services Unit

Leading organizations across industries work with TCS to realize their business transformation and innovation objectives by enhancing the availability, performance and agility of their IT infrastructure. Leveraging a combination of the cloud, new generation delivery models such as IaaS, PaaS, and SaaS, virtualization, and managed services, our offerings deliver the secure, flexible, and reliable IT infrastructure needed to power critical business applications, services and data.

TCS infrastructure offerings encompass Data Center services, End-User Computing (EUC), Mobility services, Cloud services and Transformational solutions, Converged Network services, Managed Security services, Application Management services, Enterprise Systems Management, IT Service Desk and IT Service Management. Backed by our Assess-Build-Manage-Transform framework, extensive partner ecosystem, tools and automation frameworks, and technology Centers of Excellence (CoEs), analytics-led approach, to understand the 'as-is' state and arrive at the 'to-be' state. As a result, you seamlessly transition from traditional infrastructure outsourcing towards new generation delivery.

## Contact

For more information about TCS' IT Infrastructure Services,  
visit: [http://www.tcs.com/offerings/it\\_infrastructure/Pages/default.aspx](http://www.tcs.com/offerings/it_infrastructure/Pages/default.aspx)

Email: [itis.presales@tcs.com](mailto:itis.presales@tcs.com)

## 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](http://www.tcs.com)

## IT Services Business Solutions Consulting

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