Cloud Solutions and Services

Technology Operations

To ensure profitable sustenance in the highly competitive business environment that exists today, companies are looking for ways to contain capital expenditure on information technology(IT) projects. Even as organizations seek to reduce the total cost of ownership (TCO) and maximize the return on investment (ROI), the need for enhanced scalability, flexibility, and agility of IT systems, is driving the rapid growth of cloud computing technologies. Enterprises are adopting the Dev Ops methodology to fully integrate the operations and development functions for faster IT service delivery. Open-source platforms are becoming more pervasive as businesses harness them to provision and manage applications and associated infrastructure resources.

Tata Consultancy Services (TCS) offer send-to-end services including consulting, infrastructure services(IaaS), platform services (PaaS), software services (SaaS), and domain specific cloud services to support organizations in their cloud transformation programs and enable them to cut operating costs, enhance business agility, and reduce the time-to-market for new offerings.

Overview

As enterprises seek to boost revenues and profitability through innovation and simplification of business processes, limited flexibility and higher maintenance costs of their legacy IT assets pose major challenges. With cloud computing proving to be a viable option on this front, the trend of on-premise applications, infrastructure, data centers, and networks being migrated to public, private, or hybrid cloud installations is gaining traction. The growing adoption of virtualization and 'containerization' (development of applications in containers to allow an application to run on any cloud infrastructure) highlight this fundamental shift. However, many organizations are still dependent on non-X86 and non-virtualized infrastructure for their legacy applications. Therefore, a flexible model, which provides legacy compute to support existing systems and shared pooled resources for newer applications with connectivity to the public cloud, is required.

TCS' Cloud Offerings, including advisory and managed services, enable companies to migrate their legacy IT systems to the cloud in a cost-effective and timebound manner. Our services cover the entire spectrum of cloud solutions, and are available through the TCS Cloud, a public cloud, or a combination of both– the hybrid cloud.
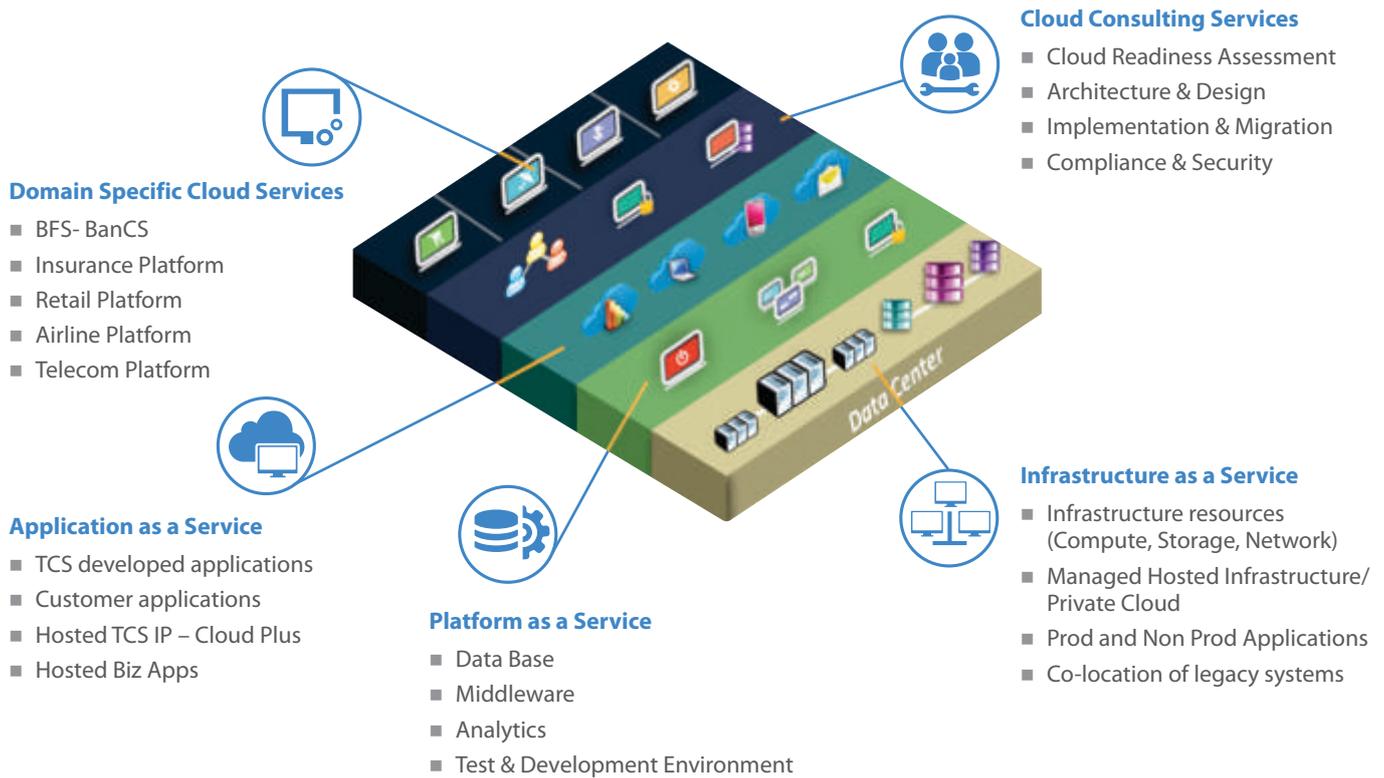
Our Solution

The TCS Cloud platform delivers flexible infrastructure services without compromising on security, availability, speed, and control. While the platform's shared cloud model provides full IaaS compute resources for general computing requirements with no contended blades, the dedicated cloud option guarantees optimal performance for larger workloads and secure workload isolation. A third option–the managed Co-location model–is deployed for all non 'cloud ready' servers or assets that are still depreciating.

Cloud Offerings Comprise:

- **Cloud consulting services**: Readiness assessment, cloud architecture and design, implementation and migration support, and compliance and security management

- **Infrastructure services (IaaS)**: Managed infrastructure including network, storage, and servers, to support both production and nonproduction applications environments

- **Platform services (PaaS)**: Fully automated, agile, and rapid provisioning of development environment

- **Application services (SaaS)**: Custom built applications that to cater to a variety of business process requirements

- **Domain specific cloud services**: Platforms tailored to the needs of specific industries such as insurance, retail, telecom, and airlines

Benefits

Cloud Offerings help companies reap the following benefits:

Lower TCO: Use off-the-shelf hardware components and virtualization to rationalize operating expenditure, capitalizing on the cloud model's pay-per-use aspect

Increased business agility: Enable automated provisioning and management of applications, and corresponding infrastructure resources, to facilitate an agile and responsive IT environment; reduce the time to market new products and services through faster and accurate decision making

Cloud Consulting Services
- Cloud Readiness Assessment
- Architecture & Design
- Implementation & Migration
- Compliance & Security

Domain Specific Cloud Services
- BFS- BanCS
- Insurance Platform
- Retail Platform
- Airline Platform
- Telecom Platform

Data Center

Infrastructure as a Service
- Infrastructure resources (Compute, Storage, Network)
- Managed Hosted Infrastructure/ Private Cloud
- Prod and Non Prod Applications
- Co-location of legacy systems

Application as a Service
- TCS developed applications
- Customer applications
- Hosted TCS IP – Cloud Plus
- Hosted Biz Apps

Platform as a Service
- Data Base
- Middleware
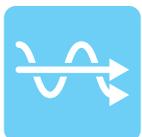- Analytics
- Test & Development Environment

The TCS Advantage

By partnering with us, you can leverage the following differentiators:

- **Customized offerings**: TCS' Cloud Offerings can be tailored to your unique business needs, with the flexibility to support legacy hardware and applications. Moreover, our services are compatible with various co-hosting modes, allowing an enterprise IT environment be uniformly managed irrespective of whether it is legacy compute, TCS Cloud, or public cloud.

- **Deep domain expertise**: Over the years, we have gained rich experience in delivering solutions pertaining to application development, engineering, re-engineering, and migration, as well as infrastructure management. TCS has a proven track record in helping global businesses transform their IT landscape for significant improvement in the availability and reliability of IT infrastructure.

- **Strategic alliances**: TCS' Cloud Offerings are underpinned by our strategic partnerships with leading hardware vendors and public cloud providers.

Reduced complexity: Innovate and develop applications to effectively adapt to new business challenges by making use of readily available infrastructure, environment, and services

Increased flexibility: Calibrate the scope and nature of your IT sourcing from cloud vendors, according to varying business requirements

TATA CONSULTANCY SERVICES

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To know more
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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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