

Power your business
with a “**PURPOSE**”



Executive Summary

Today, the cloud computing industry is a cornerstone of innovation and efficiency, offering a broad spectrum of solutions to meet the diverse needs of businesses across various sectors. However, this rapid adoption of general-purpose public cloud has come with challenges such as cost overruns, suboptimal performance and security concerns, forcing enterprises to explore more efficient cloud solutions.

This is where purpose-built cloud providers, like Tata Communications, transcend general purpose public clouds and offer unified cloud solutions optimised for individual business needs. This optimised approach, across public, private, or hybrid deployments, streamlines workflows, strengthens cybersecurity, and boosts performance & cost efficiency, shaping the future of cloud technology.



Purpose-Built Cloud: Built for What's Next

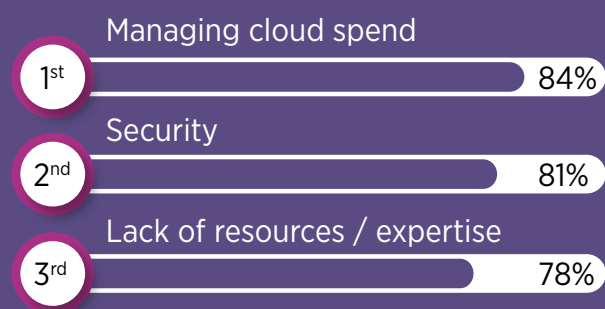
Cloud computing has brought about a transformative shift in the IT landscape. It has delivered unparalleled scalability, flexibility, and cost efficiency to businesses worldwide. However, over the last few years, with the rapid adoption of public cloud solutions, several challenges have also emerged. Issues such as unpredictable costs, performance and latency problems, vendor lock-in, and data security & sovereignty concerns have prompted enterprises to explore alternate solutions for their cloud presence.

This is where purpose-built clouds step in. Unlike general-purpose clouds, which offer broad capabilities for a wide range of applications, purpose-built clouds are optimised for data diversity, high performance, enhanced security, robust compliance, and meticulous integration, ensuring that applications run efficiently and securely for business-specific use cases.

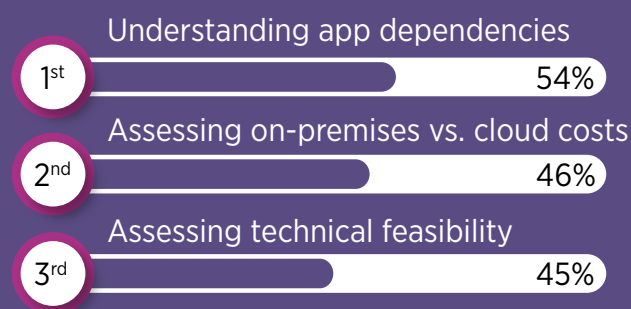
Each deployment, whether public, private, or hybrid, is meticulously crafted to address the customer's requirements and objectives, thus maximising the value of their cloud investments. As enterprises navigate the complexities of modern IT infrastructure, the emphasis shifts towards aligning cloud services with specific use cases, workloads, and business goals rather than adhering to a one-size-fits-all model.

The shift towards purpose-built clouds highlights that the future of cloud technology lies in optimised solutions, ensuring enterprises can streamline workflows, fortify cybersecurity, and enhance performance & cost efficiency on their terms.

Top Cloud Challenges:



Top Migration challenges



Key Findings

Managing cloud spend maintains its rank as the top cloud challenge; last year this initiative dethroned security, breaking an 11-year hold on the top spot.

Source: Flexera State of the Cloud Report 2024

Tata Communications Purpose-Built Cloud: Outpace Obstacles, Optimise Outcomes

Tata Communications' purpose-built cloud solution offers significant advantages over general purpose public cloud. It is distinguished not only by its robust infrastructure but also by proper platform configuration and integration within the cloud environment.

Each application has unique performance profiles, security needs, and maintenance procedures that vary by customer and use case. By leveraging the specialised capabilities of our purpose-built cloud, we ensure the most effective model and architecture for application deployment, along with meticulous integration and configuration with existing IT landscape and data. This approach balances efficiency, flexibility, and cost-effectiveness, empowering companies to seamlessly meet their unique IT infrastructure needs.

Our cloud capability is further augmented by global network reach, robust security, end-to-end managed services, and SLA-backed support as a unified touchpoint. Businesses benefit from enhanced visibility and control, accelerated app modernisation, quicker downtime resolution, and swift deployment of compute and storage resources, all of which contribute to a streamlined business experience. We empower businesses to take control and maximise their cloud investments by providing optimised cloud solutions.

"With extensive experience in delivering cloud solutions, Tata Communications understands the unique challenges and requirements of our industry and work hand-in-hand with us to provide a perfectly tailored cloud solution that helps us to succeed. We have been able to derive maximum value from our managed services investment in Tata Communications such as cost savings, future-proofed technology, custom and integrated service, robust infrastructure."

Mayank Solanki

Director of DevOps and Infra,
Tata CLiQ

Building Blocks of Tata Communications Purpose-Built Cloud

Built for Growth

Our purpose-built cloud solution is designed for seamless business growth and offers a scalable foundation suitable for startups and enterprises.

With cost advantages over competitors, we offer substantial savings by combining Cloud Service Provider (CSP) and Managed Service Provider (MSP) benefits. Our operational costs are reduced substantially compared to leading hyperscalers, offering efficiency without hefty expenses as you scale. We simplify your cloud journey and prevent costs from spiralling out of control as you grow.

Experience the benefits of free monitoring and eliminate data egress charges. Our transparent, predictable rates ensure no surprises in your bills, offering fixed rates without additional charges between services. Say goodbye to the high expenses associated with Data Center-Disaster Recovery (DC-DR) replication.

Our managed services help you avoid costs related to data transfer, unused public IP addresses, and unnecessary resources.



According to a Flexera report, 59% enterprises leverage cloud cost optimisation, and yet amidst the allure of the cloud's promises, many have encountered significant challenges, with underwhelming returns on investment (ROI) stemming from poorly strategised and executed initiatives.

Our transparent cost model promises no bill shocks. It provides a comprehensive solution that optimises spending while maintaining top-notch quality and service.

Our cloud portfolio goes beyond Infrastructure as a Service (IaaS) to deliver a comprehensive solution that elevates your customer experiences. Our Platform as a Service (PaaS) offering, built on top of our robust IaaS foundation, provides a seamless and scalable environment for your application needs.

In our PaaS offering, we provide a comprehensive set of tools and services designed to streamline application deployment and management. Our platform services offer an API gateway, a central hub for managing and securing access to various services and resources. Additionally, we offer the Kubernetes management solution, an open-source container orchestration platform that automates the deployment, scaling, and management of containerised applications.

Our PaaS solution also incorporates log as a service, which provides centralised logging and log management capabilities.

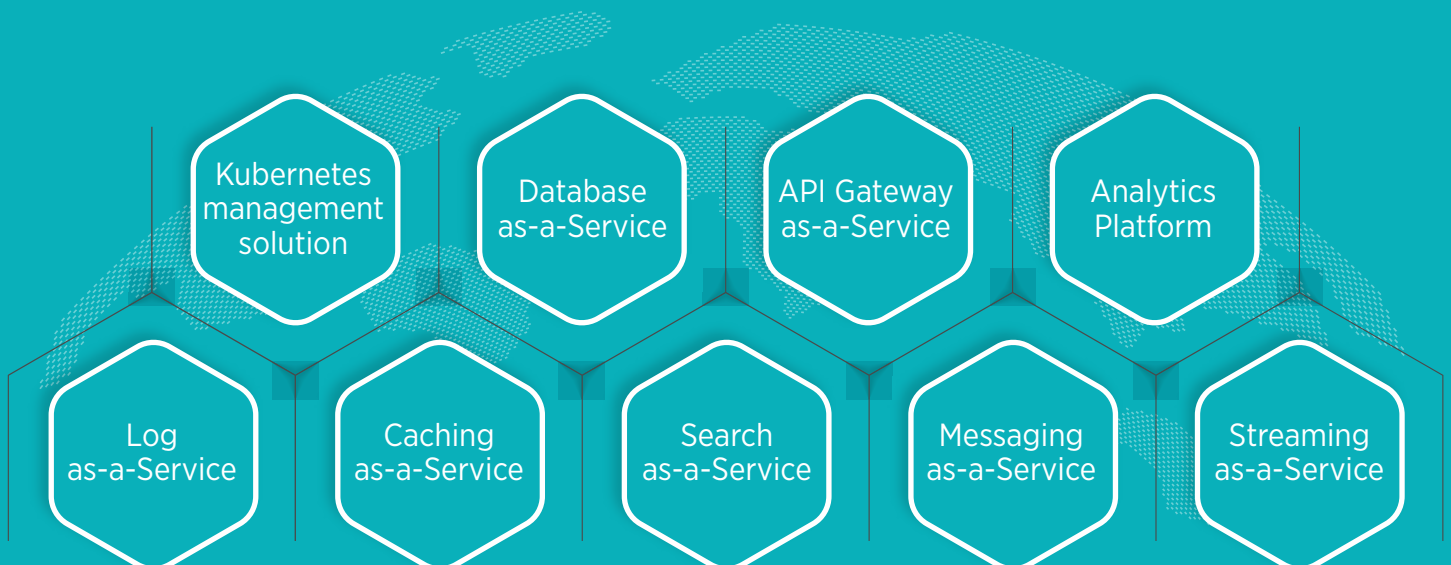
It also provides caching capabilities to improve application performance by storing frequently accessed data in memory. We provide robust database solutions, including Cassandra and PostgreSQL, offering scalability, reliability, and advanced features such as high availability and data replication.

Furthermore, our platform includes powerful search functionality, enabling developers to implement efficient application search capabilities. We also offer streaming and messaging services to support real-time data processing and analysis, facilitating tasks such as event processing, data ingestion, and message queuing.

Derive actionable insights and make informed decisions from data with our Analytics Platform. This comprehensive solution unifies data from diverse sources, extracts insights, and delivers actionable intelligence.

Our PaaS solution provides the flexibility, scalability, and agility needed to drive innovation and unlock new growth opportunities. It offers streamlined application deployment and management, advanced analytics, and unified data insights.

Platform As-A-Service



Customer Speak

Why Tata Communications is a Trusted Choice

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“Through their consultative approach, they offer bespoke solutions that are tailored and purpose-built for our business to maximise the value of the Cloud by delivering a transparent and predictable environment that offers enterprise-class flexibility, scalability, and the highest level of security to meet the business demands today.”

Mr. Siju Vincent
CEO, GSoft

“IT agility is pivotal to sustaining an ambitious countrywide retail growth plan. The Tata Communications Private Cloud provided the elasticity to instantly stretch and add new storage and compute resources, as we aggressively added more than 30 outlets across the country recently.”

Hrishikesh Deshpande
Head of IT Infrastructure at Trent Limited

“We have been using network and managed hosting services from Tata Communications to help McDonald’s stores stay connected & enable our online delivery business. They have helped us improve the performance of our network and managed infrastructure, enabling a better experience for our consumers. They deliver solutions to meet our changing business requirements and make business operations more efficient.”

Praphull Paliwal
Director IT, McDonald’s India West and South



Need for unified cloud experience to drive business innovation: [Read more](#)



William Fellows, S&P Global Market Intelligence, talks on why cloud optimisation is no longer a choice but a priority: [Watch now](#)

Built for Ease

Optimised infrastructure for individual applications and customers is crucial, but the key challenge is supporting it. Our unique edge lies in integrated managed services, which provide a simplified single-vendor solution. Beyond ordinary services, our exceptional flexibility and built-in interoperability ensure cohesive, efficient, and innovative operations across our purpose-built cloud.

Tata Communications has unmatched capabilities in providing IT infrastructure and the full spectrum of managed cloud services. Our certified experts enable seamless migration to any public cloud of your choice by building, installing, and configuring everything—from OS, computing, databases, storage, and other functions while ensuring minimal disruption.

Our managed services provide day-to-day management and optimisation of IT infrastructure, ensuring compliance adherence along with the reach of a global network. More than just managing, we bring you visibility and control over your cloud infrastructure, helping you realise significant cost savings and improving your enterprise's productivity. We can also enable your hybrid cloud strategy by integrating your on-premise infrastructure with the Public Cloud and our Cloud Platform to help you maximise ROI and business objectives.

As an end-to-end SLA-based service, the solution gives you access to the right expertise, infrastructure, and control to drive growth and improve performance—all at a lower total cost of ownership.

“With Tata Communications, you get expert solutions designers who understand your pain points, personalise the architecture to meet the precise need, and add a comprehensive managed service wrap. Hyperscalers don't offer the same first-class levels of attention.”

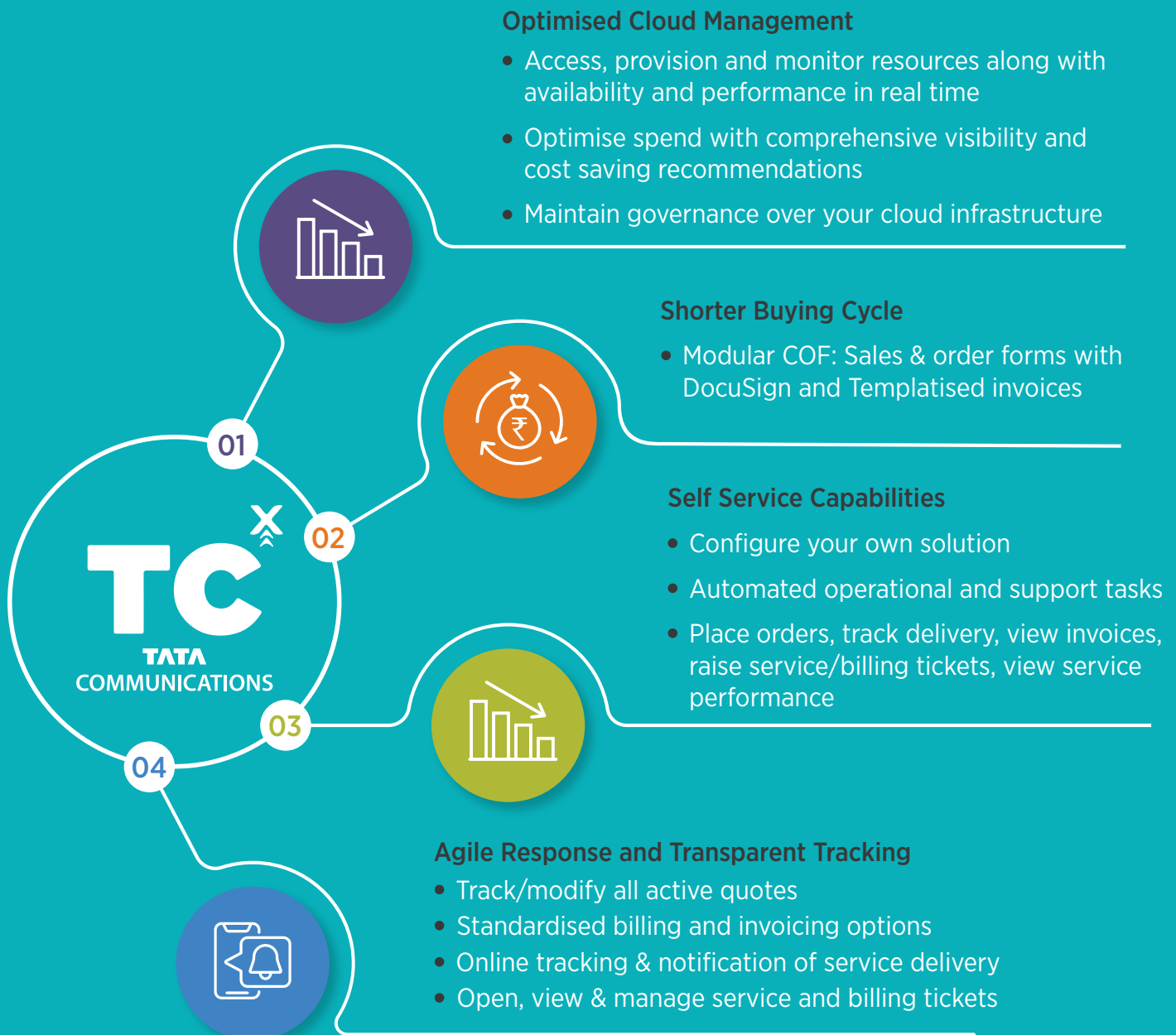
Mayuresh Purandare
Head IT – Infrastructure and Security, Marico

Enhancing Experiences Through Cloud Management Platform

Our comprehensive self-serve cloud management platform allows customers to capture greater efficiencies in their business operations. Through our cloud management TC^x portal customers are provided with self serve capabilities, faster delivery & complete visibility across the entire lifecycle management of services.

With TC^x, customers can enjoy the convenience of 24x7 access to ordering and provisioning, adapting to the demands of the new digital landscape. They can easily manage their deployed solutions, benefiting from a shorter buying cycle, minimised paperwork, and reduced manual touchpoints.

Embrace Ease of Doing Business With TC^x



Customer Speak

Why Tata Communications is a Trusted Choice

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"Tata Communications is a complete tech expert capable of catering to our future requirements, implementation, and flexibility of location. The highly skilled technical team's availability and ready-to-support attitude are top-notch, whether it's to do with servers, Cloud Services, Infrastructure, SDWAN, or any other solution."

Neeraj Singh

Head of IT and Information Security, Interglobe Enterprises

"It helps us leverage skills that take a long time to acquire.... Tata Communications knows the ins and outs of cloud computing and has the technical expertise required to execute cloud deployment effectively. By removing complexities associated with Cloud, they have helped us set up, manage, and protect our cloud environment so that we can focus on our growing business."

Mayank Solanki

Director of DevOps and Infra, Tata CLiQ

"We were impressed by the Tata Communications transition processes, which used best-practice templates for information gathering to ensure nothing got missed."

Gyan Tripathy

Assistant Vice President - IT, DLF



Uncover the secrets of making smart choices that will revolutionise your approach to cloud adoption: [Read article.](#)

Built for Control

Our Secure Managed Cloud Services help enterprises build and operate an efficient hybrid multi-cloud environment, factoring in security requirements and controls. Our proven secure-by-design approach goes from assessing your infrastructure for cloud readiness and security risk profiling to migrating workloads and extending the right security policies to managing routine security.

By leveraging proven frameworks and industry-leading tools and platforms, our cybersecurity services help enterprises gain complete visibility of their cloud infrastructure, protect cloud workloads, and detect and respond to rapidly evolving threats across different cloud service providers.

Our Cloud Security Services are designed to:



Reduce complexity
with a comprehensive cyber security service that extends your control across cloud environments.

Improve visibility
to give you control over your cloud environments, your data, and your reputation.



Deliver enterprise-wide compliance
through consistent security across your enterprise, identifying gaps in policy enforcement to help you stay compliant.

Empowering regulated industries with a Sovereign Cloud

As businesses journey through the complex landscape of sovereign clouds, a clear understanding of data, compliance regulations, and the capabilities of service providers is crucial. The challenges are diverse, from data classification to meeting regulatory mandates, but so are the opportunities.

By embracing best practices and demonstrating agility in the face of geopolitical uncertainties, businesses can successfully navigate the complex landscape of sovereign clouds. Sovereign clouds are not just about technology; they are about building trust, ensuring compliance, and securing the future of data in a rapidly evolving digital world.

Our solution ensures data sovereignty in regulated industries, complying with geographical boundaries for enhanced control and security. Built-in features aid in cost control, providing tools for tight expenditure management. Remote infrastructure monitoring returns the necessary control, enabling oversight from any location.

Our mission is to empower you with autonomy and capabilities, ensuring that you have full control over your data, costs, and infrastructure, while also guaranteeing compliance and security.

Sovereignty and Compliance at its Core

Residing in India, Managed In India, Governed in India

Regional Regulations

SQTC Audited [Ministry of Electronics and Information Technology Government of India (MEITY certified)]

Industry Regulations

Compliant per
RBI, SEBI and
IRDAI, HIPAA
guidelines

CERT IN

Payment Card
Industry Data
security standard
(PCI-DSS)

Cyber Security
Incident
Reporting (CSIR)

SOC 1
SOC 2
SOC 3

IT Management Certifications

ISO 22301
ISO 9001

SAP certified in
Hosting Services,
Infrastructure
Services and Cloud
Services

CMMI
Level 3

Risk
assessment -
ISO 27001
and 27002

Certification of
IT Service
Management
System (SMS)

Information security controls for Protection
of Personally Identifiable Information (PII)
in public clouds acting as PII processors

ISO 27017 and ISO 27018 certified

Certification of Information Security
Management System (ISMS)

(extended to cover cloud
specific risk areas)

Customer Speak

Why Tata Communications is a Trusted Choice

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“Cyber security has become an important concern for all as the business grows. System downtime means revenue loss for the business and affects credibility. Our partnership with Tata Communications ensures security across multiple security domains.”

Col Rajmohan Rajgopala (Retd),
Head IT Infrastructure and Infosec, Titan

“Tata Communications has consistently delivered a seamless experience with its services, including managed hosting and managed network services globally, meeting the SLAs governed and supported by the dedicated customer success team.”

Shreekanth Moorthy
CIO of TATA Technologies



The growing importance of sovereign cloud - drivers, challenges and best practices: [Watch Now](#)



How to establish a fully secure multi-cloud strategy: [View Whitepaper](#)

Built for Breakthroughs. Built for You.

Enterprises are shifting focus from adopting new cloud solutions to optimising existing resources, particularly addressing excess and wasteful expenditures. Hence, robust clouds alone will not guarantee a positive user experience; proper application configuration and integration are essential. This is why we believe in building a purpose-built cloud tailored to your specific infrastructure and resource requirements and to protect your existing infrastructure.

Our purpose-built cloud is not a one-size-fits-all solution. It is optimised to your specific needs, featuring fine-tuned configuration and provisioning for precise workload requirements. We are committed to providing best fit solutions that prioritise optimal performance, security, and ease of use for your critical tasks.

We also help you manage the day-to-day operations of your cloud infrastructure, enabling you to drive your strategic objectives and business growth initiatives.

With a proven track record of providing managed services to enterprises for over a decade, Tata Communications brings a wealth of experience and expertise to the table. Our processes and methodologies are a testament to our commitment to delivering high-quality managed services.

With a cloud journey ahead of you, it may seem like you have a mountain to climb, so why not find a guide who has reached the summit repeatedly? Tata Communications has long worked with enterprises to help adopt cloud services. Those seeking proven expertise to deploy and integrate cloud services into their IT environment need look no further. We help customers across industries to maximise the value of their IT investments and take full advantage of the innovative digital economy.

"A mark of our relationship with Tata Communications is that its top management got involved to ensure the project's success."

Meheriar Patel

Jeena & Company, Group Chief Information Officer



Discover how customers are leveraging Tata Communications cloud solutions to power key business applications: **Watch now**



Benchmarked and Validated by IDC

In an in-depth interview conducted by IDC, customers called out Tata Communications Cloud Offering as a reliable, custom-built cloud delivering exceptional ROI through the following benefits:



Trust and Quality:

Over 60% of customers interviewed by IDC validated Tata Communications for their high quality of services. Customers have benefited from reduced cloud migration times, expert technical support, easy-to-manage platforms, and minimal downtime.



Comprehensive Cloud Portfolio:

Tata Communications' offerings spans across cloud, network, unified communications, cybersecurity, and carrier services. Their cloud offerings include cloud IaaS and PaaS, SAP, object storage, public cloud platforms with Hyperscalers, managed services, cloud for application modernisation, and industry-specific cloud solutions.



Customisation:

Tata Communications excels at delivering purpose-built cloud solutions to meet unique business SLAs. They leverage industry experience, scalability, and a commitment to quality, security, and performance to implement customised projects effectively.



Cost-Effective Solutions:

Tata Communications offers competitively priced cloud solutions that are tailored to specific business needs. This approach eliminates unnecessary spending on diverse cloud resources.



Ease of Business:

Strong multi-cloud management capabilities along with a unified customer experience through our cloud offerings, network connectivity, robust security, single touchpoint for service assurance and managed services support.



Rajiv Ranjan, IDC, talks about Tata Communications Purpose-Built Cloud: **Watch Now.**



Find out how Tata Communications cloud offerings help overcome public cloud challenges: **Download the IDC Study.**

About Tata Communications

Tata Communications' digital fabric brings together different platforms, tools, solutions and technology expertise that can help CIOs simplify this complexity. Our digital fabric combines our infrastructure, platforms and services through an orchestration and management layer (TC^x) that enables greater visibility and control.

This digital fabric combines the capabilities of our network fabric, cloud fabric, interaction and IoT fabric to facilitate the exchange of data, information and intelligence across diverse digital systems and applications. It can be easily integrated with enterprise customers' suite of applications through APIs.

This digital fabric is secure by design and our intelligence layer, DILISA (Data Intelligence, Location intelligence and situational awareness) provides actionable insights based on location, device and situational awareness.

Our digital fabric powers customers' hyperconnected ecosystem by enabling them to build applications for connected employee and customer experiences and Connected solutions, on a foundation of connected infrastructure.



For more information, [click here](#)

CONTACT US



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