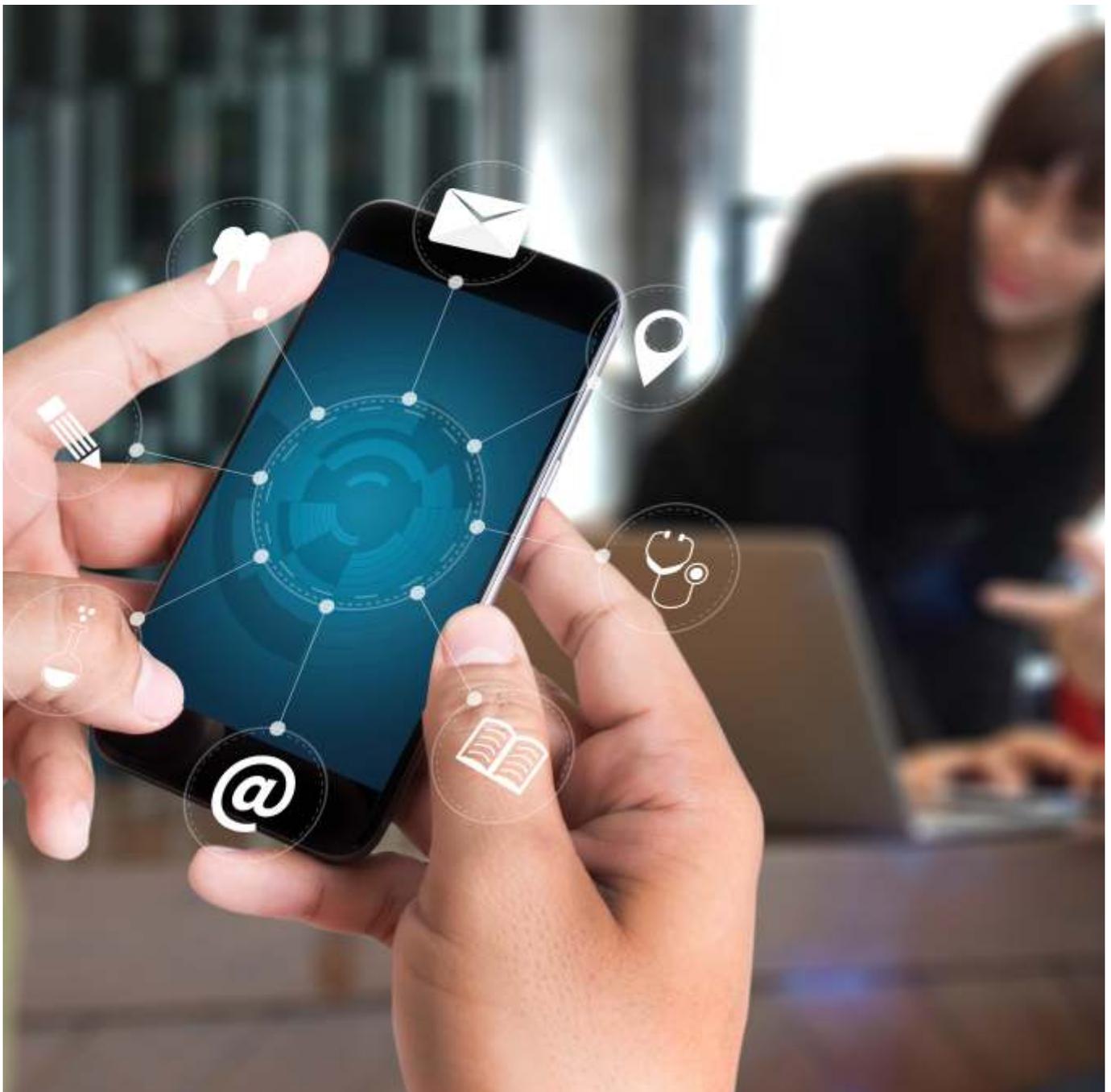www.tcs.com

Transformation Services for Intelligent Networks

IT Infrastructure services

As companies launch modern applications and platforms to stay competitive in today's digital economy, they realize the need to implement robust network technologies that can support these changes. Organizations are looking at network-as-a-service (NaaS) offerings to quickly and cost-effectively adopt latest technologies like software-defined networks (SDN) and software defined WAN (SD-WAN) within their data centers. Further, with the proliferation of cloud computing, data networks need to be more agile and flexible to accommodate hybrid cloud infrastructure.

Tata Consultancy Services' (TCS') Transformation Services help companies migrate to a next-generation network technology platform. We assess existing network landscapes to provide tailored recommendations as well as design solutions that are perfectly aligned to your business imperatives. With our support, you can move to a robust network platform based on the latest technologies, while minimizing operational disruption and migration risks.

Overview

The management of aging data networks comprising heterogeneous technology components is considerably complex, leading to higher maintenance costs. Companies often have to establish dedicated onsite IT teams to deal with recurring network issues, further adding to operational expenses. Firms looking to upgrade their legacy network infrastructure with intelligent and technology-rich features face a multitude of challenges. The presence of legacy platforms at customer sites deters companies from modernizing their own data network, as integration and service delivery might get affected. Apart from the high risk involved, the capital outlay associated with such data network transformation programs is also daunting.

TCS helps companies design comprehensive network transformation solutions based on the latest network technologies, and enable risk-free transition to new platforms. We follow a phased approach, starting with assessment and planning, which includes data gathering, understanding your business requirements, and mapping these with appropriate technology enablers. This is followed by solution design, encompassing capacity planning, high- and low-level design, migration plan, and user acceptance testing (UAT). The solution is then deployed and validated, and the migration is initiated. TCS also provides managed services for the network landscape, such as proactive monitoring and troubleshooting.

Our Solution

TCS' Transformation Services for Intelligent Networks primarily focus on:

- **Next-generation technology**: Deploy reliable, leading-edge technologies like SDN, SD-WAN, cloud based network architecture and storage, network virtualization, with a multi-tenant architecture, while ensuring tight network security.

- **Implementation and integration**: Enable successful integration between legacy network platforms and new technology components, and establish a responsive connection with public cloud for high system performance.

- **Process optimization**: Catalyze process simplification, and implement industry and productivity standards to ensure continuous improvement. Boost monitoring, reporting, and risk management capabilities, as well as perform better customer segmentation.

- **Resource management**: Streamline workforce management through resource pooling, maximizing span of control across L1, L2, and L3 support levels, and cross-skill training initiatives.

Benefits

With TCS' services, you can reap the following benefits:

Higher customer satisfaction: Boost the quality as well as speed of network services by relying on a high performance, scalable network architecture.

Lower TCO: Reduce the capital expenditure required to modernize the legacy network environment as existing components are leveraged and integrated with next-generation technology. Minimize operational costs with process simplification, integration with cloud offerings, and lesser dependence on onsite IT teams.

The TCS Advantage

TCS brings the following differentiators to an engagement:

n **Technical expertise**: TCS has a vast pool of associates trained in Cisco, Juniper, F5 and Citrix who will help you customize and implement commercial-off-the-shelf (COTS) data network platform components efficiently. We have established a dedicated center of excellence (CoE) committed to developing low-cost, future-proof network transformation solutions for companies across industries. TCS' proprietary data network framework for architecture and core technology such as firewalls, load balancers, and WAN optimization, helps accelerate deployment and boost ROI. Additionally, our support engineers deliver a wide range of high-quality managed services post implementation, thereby simplifying network operations.

■ **Global delivery model**: TCS delivers services from locations across India, China, Europe, North America, and Latin America. Our local language skills and business knowledge helps us enhance service effectiveness. We provide structured presales, solution, and transition support to help you drive better change management. Further, our uncompromising problem escalation process, and well-defined communication channels allow you to resolve issues quickly and effectively.

■ **Strategic partnership**: We have a strong, collaborative working relationship with leading network technology vendors including Cisco, Juniper, VMWare, F5, Citrix, and Checkpoint.

Superior business continuity: Ensure a smooth transition to the future-state with minimum downtime. Prevent unauthorized access and network intrusions with secure infrastructure, thereby reducing business and IT risks. Improve operational visibility with real-time system monitoring and better incident management.

Awards & Recognition

To know more

Visit the **Technology Operations** page on **tcs.com**
Email: **techops.marketing @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**

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