



# TCS Professional Services for Intelligent Networks

IT Infrastructure services



Traditional data center environments consist of multiple devices serving different purposes and this heterogeneity often leads to high maintenance and running costs. In some cases, legacy network deployments result in suboptimal performance owing to network components not being used as per industry standards. With the proliferation of software defined networks (SDNs) and data center WAN, companies are looking to make their networks more agile, manage network behavior dynamically, and drive cost savings.

Tata Consultancy Services' (TCS') Professional Services for Intelligent Networks help customers assess their existing network landscape and adopt proven solutions to optimize data center network performance. We help you address networking technology gaps by migrating to next generation technologies in SDN and data center WAN, while ensuring superior business continuity. Our tailored solutions will enable you to accelerate the standardization, consolidation, and virtualization of data networks, thereby minimizing costs.

## Overview

Organizations face various challenges while dealing with legacy network components with limited functionalities, pertaining to data center LAN, WAN, wireless, and security. In addition, quite often there is not much support available from original equipment manufacturers (OEMs), for many of these end-of-life platforms, leading to higher servicing costs and greater complexity in maintenance. The wide range of platforms in the data center environment also creates more interfaces to be managed and monitored, requiring additional maintenance effort. Moreover, companies have not been able to upgrade and consolidate their data center networks owing to non-compatibility with legacy infrastructure owned by their customers.

TCS assists companies in gauging their network readiness in the areas of network design and architecture, performance, security, cloud, SDN adoption, and network virtualization. Our assessment and consultation services will enable you to deploy reliable and cost effective data networking solutions. TCS leverages its data center capabilities, industry best practices, and strategic partnerships with technology providers to design data center network transformation roadmaps with customized recommendations for system refresh and consolidation. We also perform cost optimization assessments to identify areas of improvements in operational expenditure.

## Benefits

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



**Reduce operational costs:** Optimize your operational and capital expenditure by leveraging tailored data center virtualization and consolidation solutions. Reduce maintenance costs linked with end-of-service legacy network components by migrating to next generation platforms. Minimize personnel cost through rationalization of the resource pool and cross-skilling.



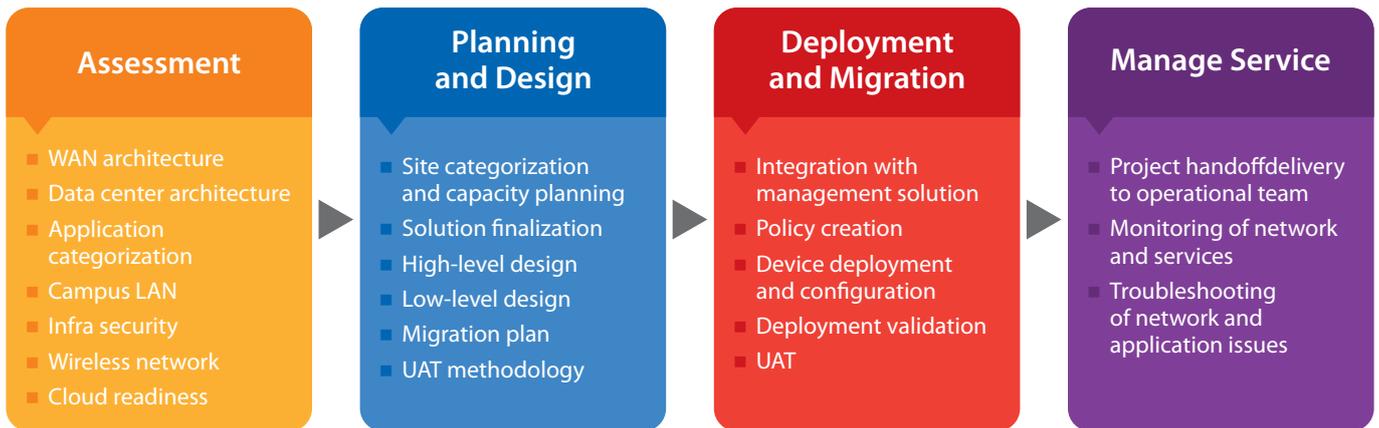
**Enhance network security:** Improve network security with multi-tenancy support. Protect your network from external cyber threats by implementing robust data center firewalls.

## Our Solution

TCS' Professional Services for Intelligent Networks focus on:

- **Technology enhancement:** Simplify network virtualization to realize cost and performance benefits of software-based compute and storage resources. Improve call routing efficiency and adopt solutions to ensure high network availability and security. Mandate network readiness for migration to next-generation platforms.
- **Cost optimization:** Consolidate network components such as switches, routers, wireless LAN, and application delivery controllers, and streamline infrastructure security and WAN optimization.
- **Process improvement:** Drive continuous improvement through process simplification, better workforce management, proactive monitoring and robust reporting capabilities, and effective customer segmentation strategies. Establish industry standards and best practices for higher productivity.
- **Resource management:** Enable resource pooling and optimize span of control across L1, L2, and L3 support teams to enhance workforce efficiency, through cross-skill training programs.

## Overview of TCS' Professional Services for Intelligent Networks



## The TCS Advantage

TCS offers the following differentiators:

- **Technology expertise:** We have a talented team of technical associates certified in Cisco, Juniper, F5, and Citrix-based technologies, who have extensive experience in leading complex data center transformation projects across geographies. We have established a dedicated center of excellence to develop customized data center optimization solutions, based on feedback provided by our global sales and pre-sales workforce. TCS' domain experts have a deep understanding of integration challenges and technologies across load balancers, firewalls, routers, switches, cloud, and intrusion prevention systems (IPS). We also have a pool of support engineers to help companies run their data center operations efficiently and streamline incident management.
- **Proven delivery model:** TCS delivers consistent, high quality services to organizations by combining the best competencies, processes, and skills. We have established a well-defined communication process, structured pre-sales, solution and transition support, and an effective problem escalation process to help companies realize higher ROI from data center transformation initiatives.
- **Strategic alliances:** We have a strong, collaborative relationship with leading product vendors including Cisco, Juniper, F5, VMWare, Citrix, and Checkpoint. TCS' technology specialists have extensive hand-on experience on all these products.



**Superior customer experience:** Reduce the number of network-related tickets by around 5%, thereby ensuring round-the-clock application availability and greater user satisfaction. Offer a consistent experience to users by allowing them to engage and place service requests across channels.

## Awards & Recognition

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Visit the [Technology Operations](#) page on [tcs.com](#)  
Email: [techops.marketing@tcs.com](mailto: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.

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