

# Cyber Security Advisory, Assessment, and Architecture Review Services

Cyber Security



In today's hyper-connected world, businesses are rapidly adopting mobility, cloud computing, and social media to boost productivity and improve customer engagement. However, with internet-based attacks becoming more sophisticated and frequent, they are exposed to greater cyber security risks. Enterprises migrating data to the cloud, face the risk of information theft and unauthorized access. There is a need to proactively identify security challenges inherent to mobility, cloud, data, applications, and the enterprise network to mitigate these risks effectively.

Tata Consultancy Services' (TCS') Cyber Security Advisory, Assessment, and Architecture Review Services help analyze your security landscape to effectively manage cyber threats. We help you detect, respond, and recover from security breaches across business applications and infrastructure assets. We design comprehensive information security programs that enhance risk management maturity, and provide a roadmap for secured cloud migration.

## Overview

The modern-day technology landscapes consists of applications built using various platforms and hosted on hybrid infrastructure with multiple components like servers, workstations, firewalls, switches, and end-points. The access points used to interact with these systems are exposed to the internet and unsecured networks like public WiFi's. This makes enterprises vulnerable to cyber-attacks that could have serious ramifications including financial losses, lawsuits, and loss of reputation. In addition, enterprises in healthcare and banking that handle sensitive personal data, have to comply with strict regulatory guidelines on data security.

Our Cyber Security Advisory, Assessment, and Architecture Review Services help enterprises reduce their overall risk exposure by identifying gaps in regulatory compliance and striking a balance between policies, risks, and controls. We enable enterprises to adopt a robust cyber security resilience framework and other services to minimize information risk and build cyber forensics capabilities. Our services assist in streamlining identity and access management (IAM), vulnerability management, fraud management, and risk and compliance management in a cost-effective manner. We also design product-agnostic enterprise security architectures, tailored to meet specific business needs, for superior data protection and privacy.

## Benefits

With TCS' Cyber Security Implementation Services, you can reap the following benefits:



### Minimize cyber security risk

Address complex cyber security challenges with our proven security assessment tools and frameworks, and significantly reduce your exposure to cyber attacks.



### Enable faster issue resolution

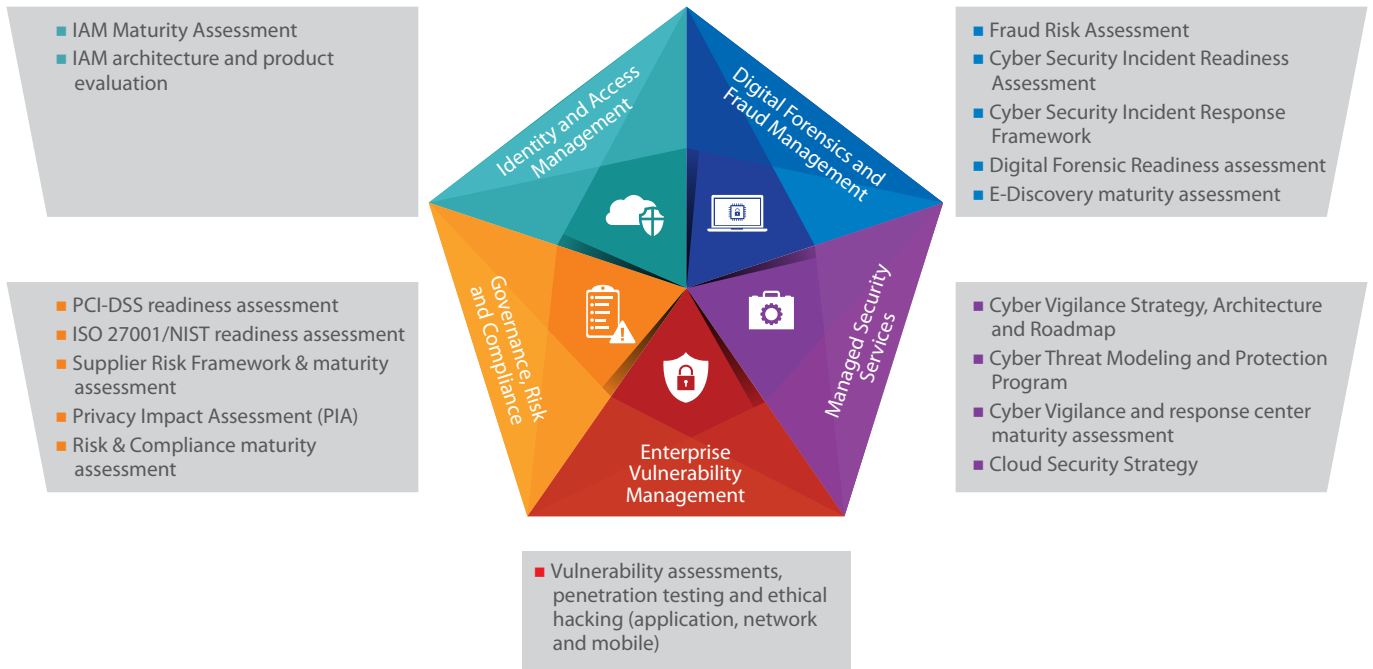
Optimize turnaround time for responding to security breaches and accelerate recovery, using our strategic alliances with leading cyber security vendors.

## Our Solution

Our offerings include:

- **Identity and Access Management:** Assess IAM maturity across people, policies, technology, architecture, and governance parameters; define a security architecture and evaluate cost-effective industry leading IAM products
- **Enterprise vulnerability management:** Perform thorough vulnerability assessments, high quality penetration testing, and ethical hacking to uncover critical risk areas
- **Digital forensics and fraud management:** Carry out assessments on fraud risk, cyber security incident readiness, digital forensics readiness, and e-discovery maturity readiness; formulate an effective cyber security incident response framework
- **Governance, risk, and compliance:** Assess your (a) privacy impact (PIA) against local statutory regulations, (b) risk and compliance maturity to identify process gaps and select sustainable solutions, (c) PCI-DSS and ISO 27001/NIST readiness, and (d) supplier risk framework
- **Managed security services:** Design a comprehensive cyber vigilance strategy, architecture, and roadmap; develop a cyber threat modeling and protection program with standardized controls; assess and measure the effectiveness of your cyber vigilance and response center operations and securely migrate to the cloud with an optimized cloud security strategy

## Cyber Security Advisory, Architecture and Review Services



## The TCS Advantage

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

- **Domain experience:** TCS has over 18 years of rich experience in delivering complex consulting and cyber security enhancement projects for over 300 clients across industries.
- **Technical expertise:** Our cyber security experts have a deep understanding of modern digital security challenges and industry-specific requirements. We manage 40 dedicated security operation centers (SOCs) to offer round-the-clock monitoring, threat intelligence, and incident response services globally. We also operate eight centers of excellence that accelerate innovation in the cyber security arena. TCS also has an in-house training academy to impart niche cyber security skills to employees.
- **Turnkey assets:** We have developed proprietary accelerators, reusable artifacts, and methodologies that enable clients to comply with regulatory standards such as Sarbanes-Oxley Act, PCI DSS, and the Health Insurance Portability and Accountability Act (HIPAA).
- **Strategic partnerships:** We have formed collaborative partnerships with leading cyber security product vendors including FireEye, IBM, Oracle, Forcepoint, McAfee, and Symantec. This enables rapid competency development, joint solution development, early view of product roadmaps, and faster incident resolution, helping you boost the ROI of your cyber security program. TCS is also an active member of cloud and security technology associations such as SANS Institute, Open Web Application Security Project (OWASP), Cloud Security Alliance (CSA), and ISACA.



### Lower TCO

Reduce the lifecycle costs associated with running a comprehensive cyber resilience program by harnessing cost-effective products, adopting pre-built frameworks and accelerators, and breaking down risk silos.



### Ensure superior compliance

Adhere to strict regulatory requirements on data protection and mitigate compliance risk, avoid hefty fines and boost customer confidence.

## Awards & Recognition

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### To know more

Visit the [Cyber Security](#) page on [tcs.com](#)

Email: [cyber.security@tcs.com](mailto:cyber.security@tcs.com)

To read views, best practices, and experiences from experts, visit [TCS' Cyber Security Community Portal](#)

### 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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