

# Cyber Security Implementation Services

Cyber Security



In this era of data explosion, mobility, and cloud computing, there's an increased focus on keeping data safe from unauthorized access and cyber-attacks. The rising sophistication and frequency of cyber threats is putting enterprise assets at a much greater risk, and increasing the risk of compliance lapses and hefty regulatory fines. Such a landscape necessitates a streamlined threat monitoring and vulnerability management system that can help companies ensure superior information security.

Tata Consultancy Services' (TCS) Cyber Security Implementation Services enable enterprises to quickly and efficiently deploy cost-effective risk and compliance management solutions. Our services encompass identity and access governance, web access, threat profiling, SDLC security, vulnerability remediation, cyber forensics, and governance, risk and compliance (GRC). We also provide managed security services to help you optimize the TCO of your risk and security program.

## Overview

Implementing robust enterprise security programs can become difficult amid unrecognized security gaps in technology stacks, the increased adoption of software-as-a-service (SaaS), and sub-optimal data access management. Existing information risk management systems often operate in silos and are based on reactive approaches, lacking prevention-, detection-, and response-oriented controls. Meanwhile, growing volumes of data call for higher integration and administrative effort, thereby affecting profitability and productivity. The gaps in traditional enterprise data protection strategies are putting regulatory compliance and brand reputation at risk.

TCS' Cyber Security Implementation Services help enterprises set up a powerful cyber security program to protect sensitive data and other digital assets from ever-evolving digital threats. We provide solutions for establishing preventative and detective controls in cloud environments, making it safer to store confidential data on modern, hybrid infrastructure. Our cyber vigilance operations help you proactively scan for any security vulnerabilities and respond quickly to data breaches across your IT landscape. We also help you address vulnerabilities during the early stages of the software development lifecycle (SDLC).

## Our Solution

Key features of TCS' Cyber Security Implementation Services are:

- **Identity and access management:** Simplify application on-boarding, password and role management, and segregation of duties. Accelerate the implementation of single sign-on (SSO) with social identity and cross-domain federation, multi-factor risk-based authentication and API-based security gateways. Implement privileged access management (PAM) solutions and integrate on-premise or cloud based infrastructure with the PAM solution.
- **Enterprise vulnerability management:** Profile (characterize and quantify) asset threats based on risk exposure using the STRIDE/DREAD model. Conduct cyber security workshops for employees and provide a comprehensive vulnerability remediation program to tackle known threats and fix them early in SDLC.
- **Digital forensics and fraud management:** Catalyze e-discovery, malware analysis and disk, network and mobile forensics and boosts fraud investigation, with thorough root-cause analysis of breach incidents.
- **Governance, risk and compliance management:** Deploy GRC solutions, automation tools, and an industry-proven supplier risk framework. Implement data protection and privacy solutions to ensure compliance with the new European General Data Protection Regulation (GDPR).
- **Managed Security Services:** Establish a next-gen Security Operations Center (SOC) to monitor and respond to security incidents. Implement preventive and detective controls in the cloud environment.

## Benefits

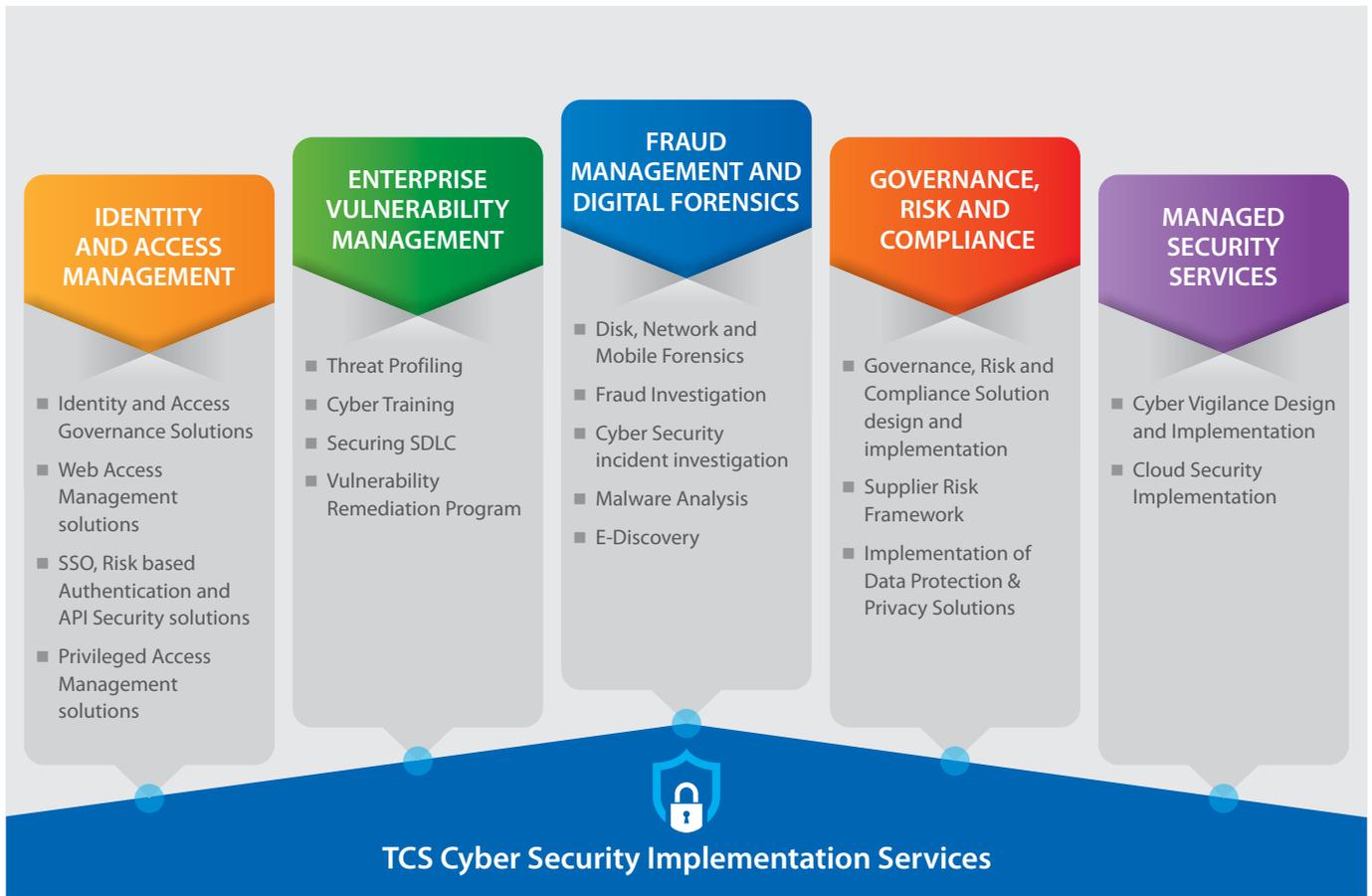
With TCS' Cyber Security Implementation Services, you can reap the following benefits:



**Minimize information risk:** Protect sensitive information from attacks by implementing a robust identity and access management framework. Leverage our application-specific vulnerability assessment strategy to identify threats in an effective manner. Manage security risks proactively to lower the impact of cybercrimes and digital fraud.



**Regulatory compliance:** Adhere to stringent data protection rules and avoid hefty regulatory penalties with a rigorous cyber threat detection and prevention platform.



## 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 global multitenancy-enabled security operations centers to provide round-the-clock threat monitoring, intelligence, and response services to clients.
- **Focus on innovation:** TCS has set up eight security centers of excellence that work towards building a comprehensive repository of accelerators, reusable assets, and frameworks for accelerating compliance with industry standards. Furthermore, we foster collaboration and knowledge sharing across enterprises to drive newer ideas, through our online Cyber Security Community.
- **Strategic alliances:** We have strong relationships with leading vendors of cyber security and identity management products including FireEye, IBM, Oracle, Forcepoint, McAfee, and Symantec. This gives us exclusive access to early beta programs and product support services, and an opportunity to co-develop solutions tailored specifically for your business needs. We are also members of various cloud and security associations such as SANS, Open Web Application Security Project (OWASP), Cloud Security Alliance (CSA), and ISACA.



**Reduce IT security spends:** Minimize the TCO of your enterprise security landscape and experience quick return on investment (ROI), through deployment of cost-efficient enterprise security products and consolidation of risk silos.



**Boost customer satisfaction:** Secure your customers' personal data and enhance customer confidence. Avoid the loss of reputation linked with data breaches.

## Awards & Recognition

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### To know more

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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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