

# Managed Security Operations Center Services - Enabling Enterprise Vigilance

Cyber Security



With cyber security attacks becoming not just common, but inevitable, enterprises need to be adequately armed to neutralize both existing and potential vulnerabilities. The sophisticated technologies and devices that enterprises are adopting to counter such threats add to the cost and complexity of their security operations.

Tata Consultancy Services' (TCS') Managed Security Operations Center (SOC) Services provide real-time monitoring, advanced contextual analysis, and better visibility through customized reports and dashboards to proactively prevent, detect, and address security threats. With our user-friendly online portal, you can view the security state of your assets, as well as alerts, incidents and compliance levels.

## Overview

Even as security concerns mount and zero day attacks increase, enterprises often lack a well-defined response and remediation methodology. They are pressurized to constantly meet evolving regulatory requirements while maintaining performance and cost of operations. Setting up comprehensive security infrastructure and running round the clock security services is not only time-consuming but also cost-intensive.

TCS' Managed SOC Services help collect system-generated logs and create alerts and details of suspicious activities. Our offering combines real-time threat intelligence services and data processing to generate an in-depth view of security issues. Our security operations analysts analyze data and triage devices to scope out real security threats and advise on steps to mitigate them and help effectively respond to incidents. Reports and dashboards, as well as updates on latest security threats, can be viewed 24x7 on TCS' Managed Security Services (MSS) Portal ([mssp.tcs.com](https://mssp.tcs.com)).

## Our Solution

TCS Managed Security Operations Center Services include:

**Log management and monitoring:** TCS offers log collection and round-the-clock vigilant event log monitoring, to help early detection and meet regulatory compliance and forensics requirements.

**Threat detection:** Our services include advanced security analytics with contextual analysis powered by large data analytic platform using threat intelligence services.

**Incident response services:** An onsite or remote incident responder will work with your IT and business team to help contain and mitigate threats with complete damage assessment and response planning capabilities.

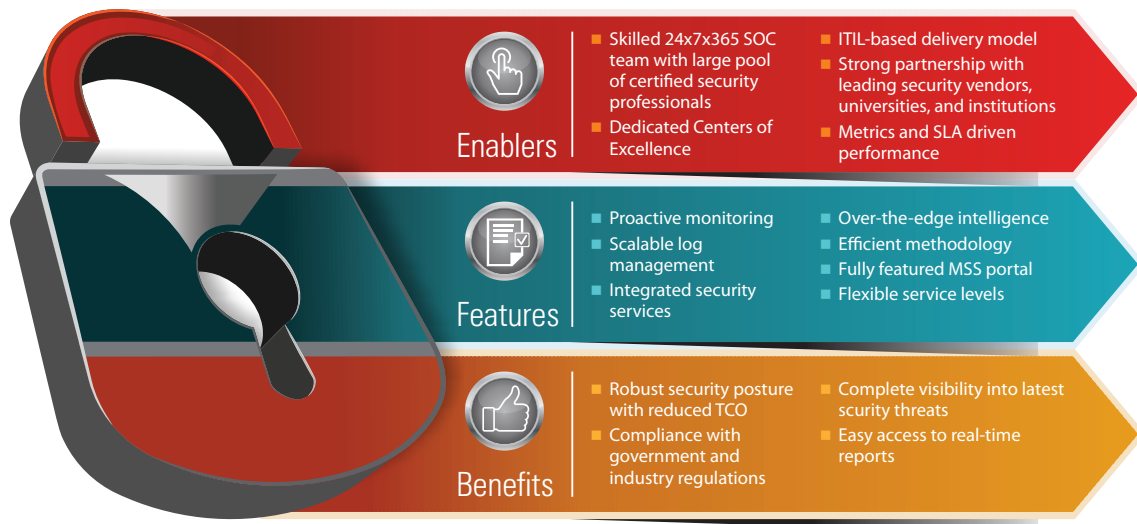
**Malware analysis and forensics:** During critical investigations, you can choose to engage with our digital forensics lab that supports malware analysis for unknown or zero day malware.

**Service management and reporting:** You can use our portal to report incidents and raise service requests, and our SOC analysts will work with you to ensure quick issue resolution. You can track ticket status, severity and work logs, including recommendations and actions already taken by the SOC team. You can also view specialized reports (generated daily, weekly, or monthly) on the top infected systems, failed login attempts, top alert sources, top attackers, and so on.

**Extensive vulnerability management:** TCS offers a cyclic approach (monitor–assess–prioritize–prevent–fix) for thorough vulnerability management. Integration with vulnerability assessment scanner feeds helps generate timely alerts. Vulnerability management services help detect configuration compliance deviations from baseline security standards.

**Threat intelligence services:** Our team aggregates and correlates thousands of security events using a multi-tenanted security information and event management (SIEM) environment and threat feeds. You can access threat advisory reports to gain a quick overview of critical and high vulnerabilities and recent malware attacks.

## An overview of TCS Security Operation Center Services



## Benefits

Our services help you reduce risk and improve your organization's security posture with:

**An integrated security framework:** With consolidated security options for vulnerability management, threat feed, forensic analysis, malware analysis, and so on, you can make better security decisions with intelligence-driven analytics.

**Compliance with government and industry regulations:** We help you establish a compliance baseline, and continually measure and manage against this. We provide detailed compliance and audit reports for the Sarbanes-Oxley (SOX) Act, Payment Card Industry (PCI), Health Insurance Portability and Accountability Act (HIPAA), and other regulatory requirements.

**Effective monitoring and visibility:** Our scalable log management system streamlines and optimizes the collation of logs across devices and locations. TCS' MSS Portal enables quick and easy access to real-time reports, giving you a comprehensive, in-depth view of your organization's security issues and vulnerabilities.

**Cost efficiency:** By leveraging our hosted technologies platform, you can address security requirements in a cost-optimal manner. The platform and methodologies help quick provisioning of services to meet your business requirements.

**Service quality and responsive delivery:** Our commitment to highest quality standards, customer centric service delivery, and SLA-governed deliverables ensure complete transparency and quality.

**Flexible options:** You can choose a service plan that matches your enterprise's requirements. We support legacy and home-grown applications as well, and integrate them with our applications. Our services are hosted on the cloud and are available in pay-as-you use models.

## The TCS Advantage

By partnering with TCS, companies can take advantage of:

**Domain expertise:** TCS' team of security professionals have extensive experience in executing complex assignments. Performance is driven by metrics and service level agreements (SLAs) to ensure tangible outcomes.

**Unique delivery model:** Our delivery model is based on the Information Technology Infrastructure Library (ITIL), and we deliver consistent round-the-clock support at lower cost.

**Research-backed solutions:** TCS has five Centers of Excellence (CoEs), each focused on one specific security area: MSS, identity and access management, fraud management and digital forensics, cloud security, and governance, risk, and compliance. Teams constantly research emerging threats and vulnerabilities to help secure your assets.

**Strategic alliances:** TCS' global partner network includes leading security vendors (such as Oracle and Symantec), institutions (such as the Cloud Security Alliance), and universities (such as Stanford and Carnegie Melon).

## 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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