CYBERSECURITY SERVICES

DELIVERING CYBER TRUST

Overview

As the world's dependency on cyberspace is increasing, the threats aligned with it looms large on businesses. An IT security breach is in the news every other day and many big organizations have fallen prey to persistent cyber-attacks from hackers. As these threats are getting too advanced for traditional security apparatus to handle, organizations need to evaluate their security strategy time and again.

Trends & challenges

As business leaders become increasingly conscious of the impact cybersecurity can have on business outcomes, they should harness increased support and take advantage of emerging trends to improve their enterprise's resilience and elevate their own standing.

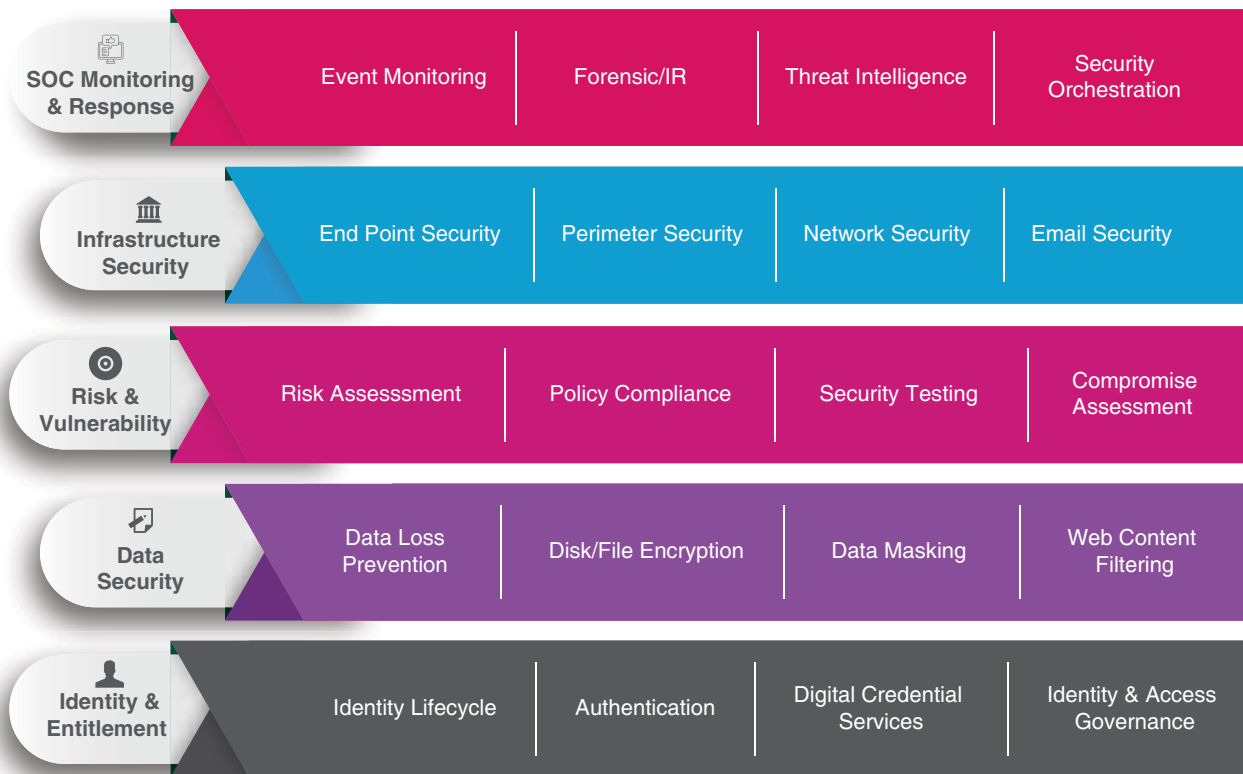- Cybersecurity has a significant impact on the ability to achieve business goals and protect corporate reputation

- Legal and regulatory standards and compliance globally on data protection practices are impacting digital business plans and demanding increased emphasis on data liabilities. One such instance is when the need for personal information protection becomes critical for hyper personalization

- Security products are rapidly exploiting cloud delivery to provide more agile solutions

- Machine learning is providing value in simple tasks and elevating suspicious events for human analysis

- Dangerous concentrations of digital power are driving decentralization efforts at several levels in the ecosystem

Why Mphasis

Mphasis Cyber and Infrastructure security offerings enable enterprises to build smart and secure infrastructure. We help organizations take a proactive approach to counter focused and targeted attacks and ensure they stay secure and are equipped with a robust cybersecurity solutions strategy. We provide end-to-end Services covering the following areas:

SOC Monitoring & Response	Event Monitoring	Forensic/IR	Threat Intelligence	Security Orchestration
Infrastructure Security	End Point Security	Perimeter Security	Network Security	Email Security
Risk & Vulnerability	Risk Assesssment	Policy Compliance	Security Testing	Compromise Assessment
Data Security	Data Loss Prevention	Disk/File Encryption	Data Masking	Web Content Filtering
Identity & Entitlement	Identity Lifecycle	Authentication	Digital Credential Services	Identity & Access Governance

Security incident monitoring
24x7 remote monitoring & L1 security incident and event management, SIEM console monitoring

Implementation & design
Solution design and development, implementation & configuration, reporting

Consulting
GAP assessment, product evaluation, system health & availability audit

The ecosystem of tools that is built around the core framework helps you to enable the detection of advanced and targeted threats.

Mphasis MTrust Platform - Action driven by Cognitive Intelligence Advanced Threat Hunting & Sandboxing

InfraGenie™ integrated Security Orchestration and Automation Response (SOAR)

Success story

Client

American multinational pharmaceutical corporation headquartered in New York City, New York

It is among the world's largest pharmaceutical companies by revenue

Challenges

- Develop a platform that feed on near real-time threat intelligence
- Lack of integrity of current security controls and will risk enterprise data and intellectual property
- Need of a strategy to deliver effective enterprise security risk management
- Gaps in Data leak solution
- 200K unaccounted identities existed in the system leading to potential security breaches and information leaks
- 1500 applications were not integrated to the existing IAM platform and were managed manually

Solution Provided

- Fraud protection and Data loss management in R & D division
- Incident response management process to handle events like Ransomware outbreak
- Improved Security posture through SNORT integration with GX IPS devices
- Automated Threat management process
- Penetration testing of ~1100 Web and Mobile applications annually
- Centralized Digital Certificate Management
- User life cycle management of 200,000 identities
- Integrated 1500 application with IDM solution for automated provisioning

Business Value Delivered

- Machine learning models and connected intelligence platforms enable the detection of advanced and targeted threats
- Zero Asset provisioning and management cost
- Zero Vulnerabilities, Zero Compromise
- Web based reporting of all identified exploits and remediation status
- Mature Security posture through SNORT integration with GX IPS devices
- Feed on near real-time threat intelligence feeds from all over the world through open source channels, subscription-based feeds, and community sources

The Mphasis advantage

- ›› Integrated approach includes Governance Risk & Compliance (GRC), Security Engineering & Architecture and Security operations
- ›› Action driven by cognitive intelligence, Advanced Threat Hunting and Sandboxing using Mphasis MTrust
- ›› Defined and tested workflows, runbooks for wide categories of alert for standardization of investigation and rapid incidence response
- ›› Rapid Detection and response
- ›› Low touch security operations
- ›› Global partnership with market leaders in security products
- ›› Discover unknown attacks (low footprints) and triage high volume alerts for accurate and high speed mitigation
- ›› Center of Excellences (COEs) with certified security expert

Benefits

- **300,000** endpoints managed
- **90%** reduction in time taken for vulnerability identification
- **98%** endpoint security compliance
- **35,000** EPS average corelated and analyzed per day per customer
- **25%** reduction in false positive
- **70+** threats identified across mobile and web platforms

Cybersecurity
An integrated solution to defend the next generation enterprise against threats

Challenges
- Protection of IP and brands that are vulnerable to threats
- Governance issues arising from digital transformation
- Demands of regulatory compliance: Sarbanes-Oxley, Basel III
- Agility of security apparatus to defend from tomorrow's threats

Mphasis security offerings
- Data security
- Infrastructure security
- Risk & vulnerability management
- Identity & entitlement management

Design & implementation → Assessment & consulting → Management & monitoring

Intelligence to thwart threats

- **Monitor** - Threat intelligence analysis
- **React** - Governance and decision making
- **Prevent** - Security operations center
- **Remediate** - Application, infrastructure and data security

- **350+** web & **150+** mobile reusable security test scenarios
- **70+** number of threat profiles identified across platforms
- **30%** reduction in time-to-market
- Repository of threat profile, test cases and automation scripts

SherLog - Large volume log analyzer

Mphasis security operating center manages **35,000** security events per client/day providing real time analysis of our clients' infrastructure estate

Success stories

- Large North America based Financial institution
- Global Life Sciences company

Client

Requirement
- Manage their security events that are in the tune of 11 million per day
- Protect the organization's IP & sustain critical infrastructure

Result
- 25% reduction of 'false positive'
- Added more than 100 test cases
- Managed 180,000 endpoints across the globe 98% endpoint security compliance

Business value delivered

- **70%** reduction in security vulnerabilities for a leading US based security company
- **98%** endpoint security compliance
- **30,000** number of endpoints managed
- **500,000** number of IP addresses managed
- **90%** reduction in time taken for vulnerability identification
- **100,000+** number of servers managed
- **100,000+** number of network devices managed

About Mphasis

Mphasis (BSE: 526299; NSE: MPHASIS) applies next-generation technology to help enterprises transform businesses globally. Customer centricity is foundational to Mphasis and is reflected in the Mphasis' Front2Back™ Transformation approach. Front2Back™ uses the exponential power of cloud and cognitive to provide hyper-personalized ($C = X2C^2_{TM} = 1$) digital experience to clients and their end customers. Mphasis' Service Transformation approach helps 'shrink the core' through the application of digital technologies across legacy environments within an enterprise, enabling businesses to stay ahead in a changing world. Mphasis' core reference architectures and tools, speed and innovation with domain expertise and specialization are key to building strong relationships with marquee clients. To know more, please visit www.mphasis.com

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