

HCL

Cybersecurity reimagined

Services for Telecom, Media, and Entertainment Industry



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Overview and Relevance for TME Industries

TME organizations are tapping into the emerging digital technologies such as mobile, social, cloud, and Internet of Things (IoT) to provide better and more seamless experience to their customers, suppliers, and employees. However, these new technologies come with a newer set of risks increasing the threat surface.

TME companies have always been on the radar of cyber attackers as these multinationals build, control, and operate extremely critical infrastructure, failure of which could bring a nation to a standstill. With the advent of 5G, IoT and Over The Top (OTT), these firms have access to huge volumes of sensitive data which imposes heightened obligation of having a secure ecosystem in place. Not securing their infrastructure and content delivery vehicle could prove to be a disaster as witnessed during multiple instances when TME enterprises were hacked.

Ever-Changing Attack Vectors in the Age of Digital Disruptions

While the digital era has brought along significant advances in technology, capabilities, and experiences, it has also opened up the doorway to continuously evolving threats, stringent IT governances and compliances, and cloud service adoption. With sensitive data being collected, processed, and disseminated within the infra and cloud environment, it is imperative to implement robust network and infrastructure security - leveraging knowledge, toolsets, and other resources. This onset of a new breed of cyber attacks over time, stands as a grim reminder that the organization's IT requires the expertise and resources to assess and enhance network and infrastructure security.



Threat Landscape and Cybersecurity Challenges for the TME Industry

Data Privacy and User Data Management

- o Customer and subscriber data protections
- o Intellectual property right threat
- o Third party **identity management** and access management

Securing 5G Networks

- o Trust and identity management between users, network, and vertical services
- o Secure infrastructure for new age technologies like SDN/NFV and small cell.

Fraud Management

- o **Identity management** and access management for OTT platforms, casinos, and gaming platforms
- o Management of telecom frauds like subscription and provisioning frauds and unauthorized network access frauds
- o Gaming, betting, and casino fraud management

Content Security

- o Securing creation, storage, and transfer of content
- o Digital rights management and anti-piracy protection

Securing Smart Cities and IoT Ecosystem

- o Securing device ecosystem- short range communication networks (LoraWAN, NBLoT, Wifi etc.) and sensors
- o Physical and end point security- securing physical environment, command centers, data centers and cloud

Regulatory Compliance

- o Security and **compliance management** for new services in TME like Security Breach Notification Laws, federal Bank Secrecy Act (BSA), and associated anti-money laundering (AML) for casino businesses
- o M&A compliances

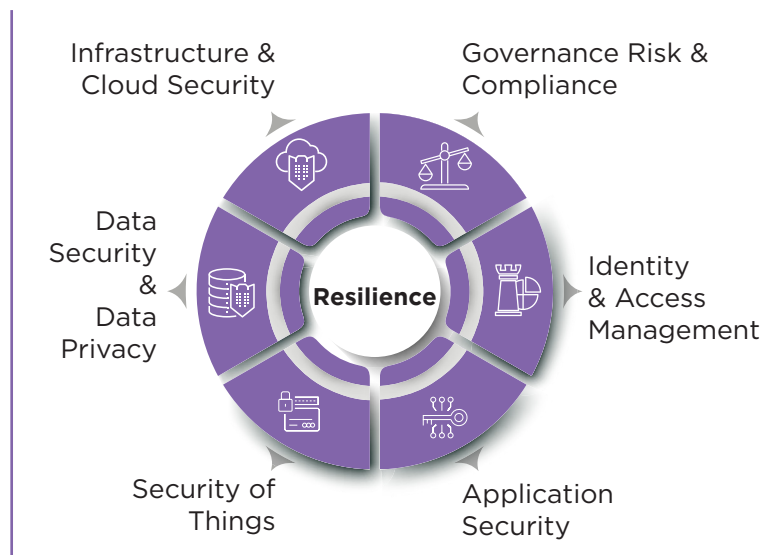
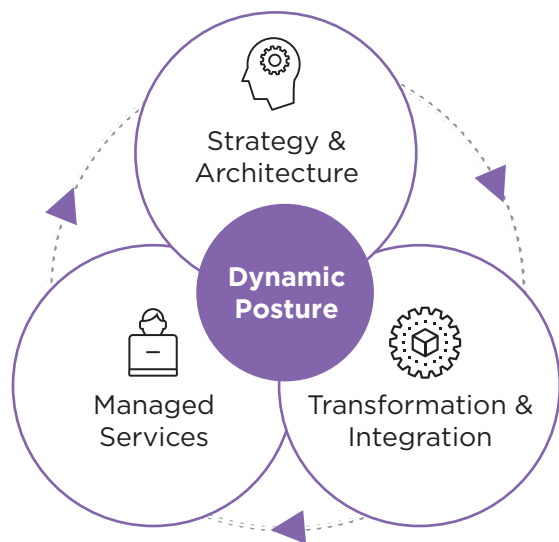
Ransomware attacks

- o TME industry is very prone to ransomware attacks through DDoS (Distributed Denial of Services) and PDoS (Permanent Denial of Services)



HCL's Dynamic **Cybersecurity** Services for NextGen Enterprises

Our Dynamic Cybersecurity Framework helps our customers move from a Static to a Dynamic posture to deal with an ever-escalating threat landscape, offering a full spectrum of services.



Dynamic Frameworks and Accelerators

SAFE	SecIntAI	BRiCS <small>Business Risk Intelligence & Compliance Solution</small>	DIGI-I-FORT	IDaaS	iBCM-iDRM	RiCON™
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Our Partner Ecosystem

BROADCOM.	CISCO	CYBERARK	BlackBerry CYLANCE.	IBM	McAfee <small>Together is power.</small>	MetricStream	MICRO FOCUS
Microsoft	paloalto <small>NETWORKS</small>	Qualys.	RSA	SailPoint	Symantec	TREND <small>MICRO</small>	zscaler

Coverage

Workplace	Mobile	Apps	Data Center	Network	Cloud	IoT

HCL's 360° Security Services

To provide end-to-end security to client's value chain, HCL brings a mix of consulting services, technology expertise, proprietary tools and IPs, and experience of securing 400+ clients across industry and geography.

HCL's Identity and Access management Services include:

- o Identity management
- o Privileged account security
- o Identity/access governance
- o Access management
- o Authentication management

HCL's Infrastructure and Cloud Security Services include:

- o Network security of traditional network as well as SDN networks
- o End-point security services including ML based, signature based, heuristic based, and detection based security models
- o Security monitoring services including SoC monitoring, threat hunting, and investigation
- o DoS and DDoS prevention, vulnerability and threat management, and compliance management

HCL's Governance Risk and Compliance Services include:

- o Regulatory compliance and risk management
- o Audit and assessment services
- o Business continuity management
- o Data privacy management
- o GRC platform solution implementation

HCL's Application Security Services include:

- o Application scanning including pre and post production vulnerability scanning and risk identification
- o Application testing including dynamic analysis, authentication, and authorization testing
- o Source code review using DAST and SAST analysis
- o DevSecOps including CI/CD security, attack surface analysis, and threat modelling



Why Build a Cybersecurity Future with HCL?

- HCL has 400+ client relations being managed by 4500+ dedicated consultants working across the globe
- 6 Cybersecurity Fusion Centers (CSFCs) & 40+ GDCs across geographies, providing comprehensive enterprise IT visibility fused with targeted threat intelligence, made effective by a multi-domain interface
- HCL's information security practice has more than two decades of experience in service delivery with defined processes, qualified people, and in-depth expertise
- HCL's ability to address end-to-end information security lifecycle of any enterprise
- HCL has 40+ collaborative partner alliances in every domain of cybersecurity

HCL recognized as Industry Leaders by Analyst Firms



ISG PROVIDER LENS
2019 - CYBERSECURITY
SOLUTIONS AND
SERVICES - **LEADER**



EVEREST PEAK MATRIX
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SERVICES 2019 -
MAJOR CONTENDER



EVEREST PEAK MATRIX
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SECURITY SERVICES
2020 - **LEADER**



HFS RESEARCH - TOP
10 MANAGED SECURITY
SERVICES REPORT 2019
- **TOP INDIAN ORIGIN
PROVIDER EVEREST**



AVASANT
CYBERSECURITY
RADARVIEW 2019 FOR
MANAGED SECURITY
SERVICES - **LEADER**



AVASANT
CYBERSECURITY
RADARVIEW 2020 FOR
MANAGED SECURITY
SERVICES - **LEADER**



HCL's Success Stories

HCL has fostered over 400+ client relationships in cybersecurity and risk management domain. Here are a couple of success stories:

CASE STUDY 1: LARGEST TELECOMMUNICATION GROUP IN ASIA



SCOPE OF PROJECT:

Client wanted to complete PCIDSS certification and be one of the few telecom companies in the country to achieve this certification.



HCL SOLUTION:

- Phase 1: Current state assessment and asset identification
- Phase 2: Policy and procedures/processes review, and verification of technical controls to identify the gaps
- Phase 3: Gap assessment report, detailed remediation, and technical support roadmap plan to close the identified issues
- Phase 4: HCL partnered with PANACEA INFOSEC to deliver QSA Services



BENEFITS DELIVERED:

First company in the country to achieve PSIDSS certification which led to decreased risk of security breaches, boost in customer confidence, and avoidance of costly fines.



CASE STUDY 2: UNITED STATES BASED TIER 1 WIRELESS NETWORK OPERATOR

SCOPE OF PROJECT:

Client required cybersecurity architectural services for software and projects.



HCL SOLUTION:

- Phase 1: Assessments of networks and applications via tracking of past activities
- Phase 2: Communication with solution and digital architects, obtaining and analysing design related documents (HLSD, IDD, etc), and opening design review request
- Phase 3: Detailed cybersecurity assessment of projects based on the control framework designed by HCL



BENEFITS DELIVERED:

HCL delivered Security Architecture Rapid Assessments Framework to client leading to enhanced capability to deliver excellence across a significant number of projects and other related assignments.

Please email us on cs_marketing@hcl.com to know more.



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