Cyber Security Incident Response and Digital Forensics

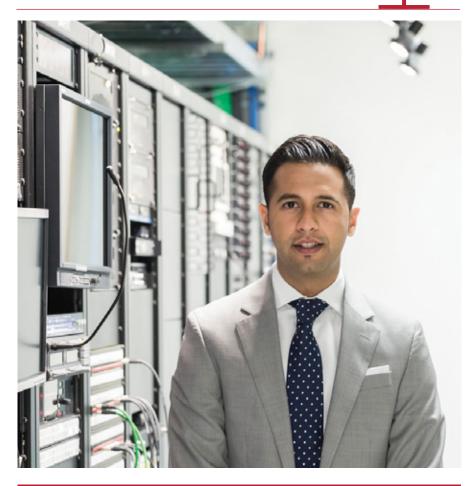
Assess, detect and deter cyber security incidents with rapid response and efficiency





Assess, Detect and Deter Cyber Security Incidents with rapid response and efficiency





Advances in digital technology have changed the way we live, communicate and do our business. Today's world is more connected than ever before. Just like your business, criminals are taking advantage of innovation and automation. No business is immune from cyber-threats. Having a hundred percent secure computer system is a myth. Organizations can't prevent every possible attack due to limitations in the security tools and sophistication of attackers. When organisations face a cyberattack, a rapid and thorough incident response is essential to minimise the threat and safeguard the critical information infrastructure. The impact severity, scope, and cost of a cyber security incident increases with every hour it remains unresolved. Time compounds the problem and any delay or inefficiency will only increase the damage and loss from a security breach. According to PwC's Global State of Information Security Survey* 2016, the average cost of a security breach is 2.5 million USD.

The only way to be prepared for the ever-evolving cyberattacks is to have a contingency plan in place and experts on call. PwC's Cyber Security Incident Response and Digital Forensics team help you respond quickly to minimise damage and reduce downtime in the event of a cyberattack. Our team will take a comprehensive, reactive, proactive and predictive approach to restore normalcy, identify the root cause and suggest measures to stop the reoccurrence of such security breaches.

Attack Scenario

Increase in attack surface Rise in DDoS and Ransomware attacks

Zero Day Exploits, Advanced Persistent Threats and Targeted Attacks

Automated Intelligent malware

Threat Sources

Script Kiddies to State sponsored

Attack - Pay per use model Use of botnets and crypto currencies

IoT devices as zombies and bots



Shifting paradigm in Cyber Security Strategy:

From "Protect,
Detect & Respond"
to
"Respond, Detect &
Protect"

OZ Sources

"R



Increase in attack aftermath costs

Increase in business downtime and recovery

Rise in cost of investigation and cleaning

Increase in Litigations

Regulatory and legal sanctions Damage to brand value and

reputation

Lack of Readiness

Lack of Threat Identification capability

Lack of Cyber Security Incident Maturity Assessment

Lack of Digital Forensics Readiness

Lack of Cyber Resilience Plan



Our bouquet of services

Cyber Forensics Disk, network and mobile forensics

Malware analysis—static and dynamic

Digital forensics readiness assessment

Network log correlation and predictive analytics





Cyber security incident response policy and framework

Cyber security incident readiness maturity assessment

Cyber security incident investigations Indicators of compromise (IOC) collection, identification and mitigation Incident Response Management

Fraud Management Technology fraud investigations
Technology fraud risk assessment
Proactive fraud detection
Fraud prevention





Establishing a digital forensics lab in a build, operate and transfer (BOT) model

Consultancy in setting up of a cost-effective, customer-centric digital forensics facility

Customer Specific Incident Response and Digital Forensics training Turn-key Solutions

How PwC can help you

At PwC, we have a deep understanding of handling cyber incidents. Our experienced team applies a proven and robust approach to tackle every incident. We can minimise the impact of cyberattacks and help protect your business from future attacks. We can also enhance your cyber strategy and redesign your programme so that you proactively reduce your exposure to cyberattacks, secure business-critical activities and become more resilient.

Domain Expertise Customer Centric Solutions

Latest Hardware and Software Tools

Professionals

We facilitate efficient and quick responses to cyberattacks and data breaches, and provide investigation, mitigation and eradication services in the event of internal or external cyber security threats. Our digital forensics labs are equipped with cutting-edge forensics tools to cater to complex incident response needs and deliver the best services to our clients.

Benefits



Increased legal and regulatory compliance

By proactively detecting frauds, security incidents and identifying vulnerabilities in security infrastructure



Enhanced risk management

By lowering the impact of cyberattacks, security breaches and digital fraud and reducing litigation risks



Increased productivity

By reducing business downtime and protecting critical information systems to boost organisational productivity



Increased profitability

By reducing revenue leakages and minimising the cost of investigations



Enhanced customer confidence

By improving customer data security and reducing the risk of reputational loss

Service delivery models

Retainer (Platinum)	Retainer (Gold)	Emergency	Secondment
Guaranteed availability	Guaranteed availability	Guaranteed availability	Guaranteed availability
Cost effective No delays in contract approvals 24x7 support	Cost effective No delays in contract approvals 24x7 support	High cost No prior contract 24x7 support	Cost effective No delays in contract approvals Manpower outsourcing
Minimum guaranteed hours	1	de	













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About PwC

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In India, PwC has offices in these cities: Ahmedabad, Bengaluru, Chennai, Delhi NCR, Hyderabad, Kolkata, Mumbai and Pune. For more information about PwC India's service offerings, visit www.pwc.com/in

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