

# E Com Security Solutions Next-Generation Security for Enterprises



The notion that any organization can be 100% secure is unrealistic in today's hyper-connected, border less world. The question is not are you secure, but is the information that matters most secure enough?

The security of your information is fundamental and must be protected from disclosure, accidental loss or criminal theft.

E Com Security Solutions offer a range of technical security assessment and penetration testing services to identify all areas of vulnerability and help you to mitigate the threat of Unauthorized access.



E Com Security Solutions with the largest highly skilled cyber security research and Incident response team delivers the independent expertise, experience and perspective you need to enhance your security posture, reduce your risk, facilitate compliance and improve your operational efficiency. Our Security solutions helps you view your security from an attacker's point of view, leveraging real-world techniques to identify exposures and assess their implications on your business in order to provide mitigation strategies, and assist in remediation efforts.

Our solutions are incredibly easy to use – and don't require additional staff or software. No matter how big is your infrastructure and applications or how often they change, we can scale to meet any demand.

- Achieving and maintaining compliance;
- Managing security to industry standards, of PCI, HIPAA, ISO27K, GLBA, FFIEC, SOX
- Standardising and controlling best practice across systems and locations, including branch offices;
- Measuring risk and reporting on risk posture and security governance status;
- Overspending on controls that may not be relevant; and
- Sharing metrics with the business to align IT security with the rest of the organisation.

The assessment has been specifically designed to **enable** you to make **informed decisions** about **immediate priorities**

### Trusted Security Partner

E Com Security Solutions is trusted by clients in more than 70 countries to manage their information security infrastructure. We have unmatched visibility into the global threat landscape, and the experience of global certified security experts. Our clients include some of the world's largest and most influential organizations, seeking to better defend their critical assets.

### Be compliant

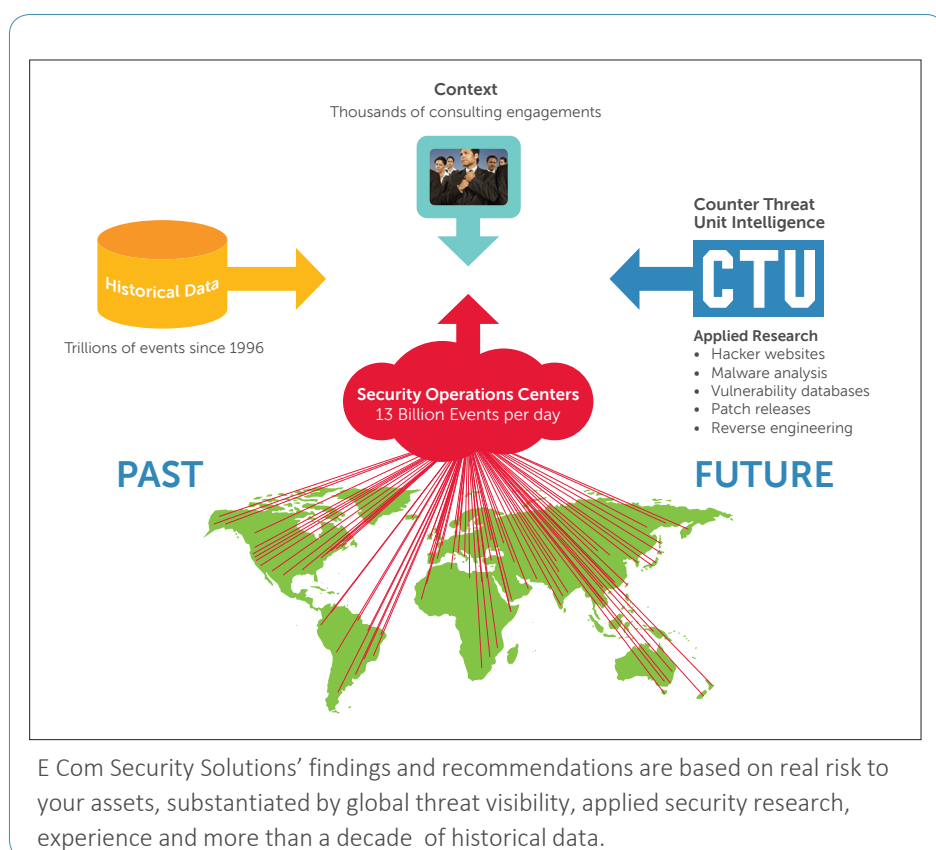
We give you the ability to build a strong governance structure and manage compliance. You get our experience, systems, and tools to make compliance simple, no matter what industry you are in. And you keep full control of audits and can feel assured that you are ahead of any changes in regulations—before they occur.

### Global Footprint

E Com Security Solutions Security Assessment activities can be initiated from our global data centers worldwide to render faster results. These centers integrate seamlessly to provide continuous operations, with all locations staffed and fully functional around the clock, every day of the year. This fast-growing global footprint gives you lots of options for scanning infrastructure and applications and ensuring great customer performance.

### Maximize your investment

By having a complete view of how you are performing, you can quickly assess where you have the in-house skills to manage operations and where you don't. We offers comprehensive and flexible solutions to help you see the gaps and fill them.



## Application & Infrastructure Security Service Portfolio

E Com Security Solutions can help. We understand the growing security burden and would welcome the opportunity to explore how we could bring our years of experience in addressing security issues to bear in helping you to navigate forward.

Our security service portfolio provide insight into your security posture and identify areas of weakness.

**Information security** is a pervasive business requirement and one that no organisation can afford to get wrong. If its not handled properly, your business could suffer on a number of levels, including **loss of revenue, criminal liability, reputational damage, as well as customer dissatisfaction and churn.**

### Application Security Portfolio

Application Security Assessments provide assurance that your web applications, mobile applications and API's are secure. Our security consultants test the state of your applications and provide actionable recommendations to enhance your security posture.

#### Web Application Penetration Test

can be employed to test your custom web applications as well as standard applications like anti virus, embedded applications, games, and other system applications. The test explore weakness as a hacker and demonstrate the potential consequences that pinpoint real vulnerabilities and pose true risks along with the business logic flaws, so you can secure your internal or third-party developed applications and API's.

#### Web Services & Application Vulnerability Scanning

support non – invasive scanning that mimics real-world hacking techniques and attacks, and provides comprehensive dynamic analysis of complex web applications and web services based on SOAP or REST. Support modern technologies such as Mobile, Json, Rest, Soap, HTML5 & Ajax. The Intelligent Scanning cover OWASP Top 10, SANS Top 25, OSSTMM, WASC.

**Static / Source Code Security Assessment** help developers eliminate vulnerabilities and to build secure software. Detection of 890+ Vul. categories listed by OWASP and SANS and Support byte and source code of 21 different languages.

#### Mobile App Security Assessment

looks at the security and compliance risks of your entire mobile application, its associated back end systems and the interaction and data flow between them. It includes the examination of the application interfaces as well as the supporting infrastructure to determine possible attack vectors and expose vulnerabilities that are not apparent from end-user interface testing only.

### Infrastructure Security Portfolio

Infrastructure security assessments services mimic an attacker seeking to access sensitive assets by exploiting security weaknesses existing across multiple systems to identify vulnerabilities and reveal how networks designed to support normal business operations that can provide attackers with pathways to back-end systems and data.

#### Network Vulnerability Assessment

which is PCI ASV approved solution evaluates network infrastructure that is accessible via the internet or from third party networks. These assets may include perimeter routers, firewall, web servers, mail relay servers, proxy servers or any other device on a DMZ. The Assessment is not intrusive and is appropriate for critical infrastructures.

#### Network Penetration Test

simulate the actions of a malicious external user exploring the externally accessible infrastructure of your organisation using commercial and public software and tools. This will address a wide range of potential threat origins including Internet infrastructure, Web applications, Trusted third party connections. Voice over IP, Remote access.

#### Firewall / Network device configuration reviews

will provide more in-depth, detailed information on configuration and access list specifics for each network device than an architecture review or penetration test alone. The VPN review compares your current configuration against recommended best practices and identifies any areas of concern.

#### Cloud Security Assessment

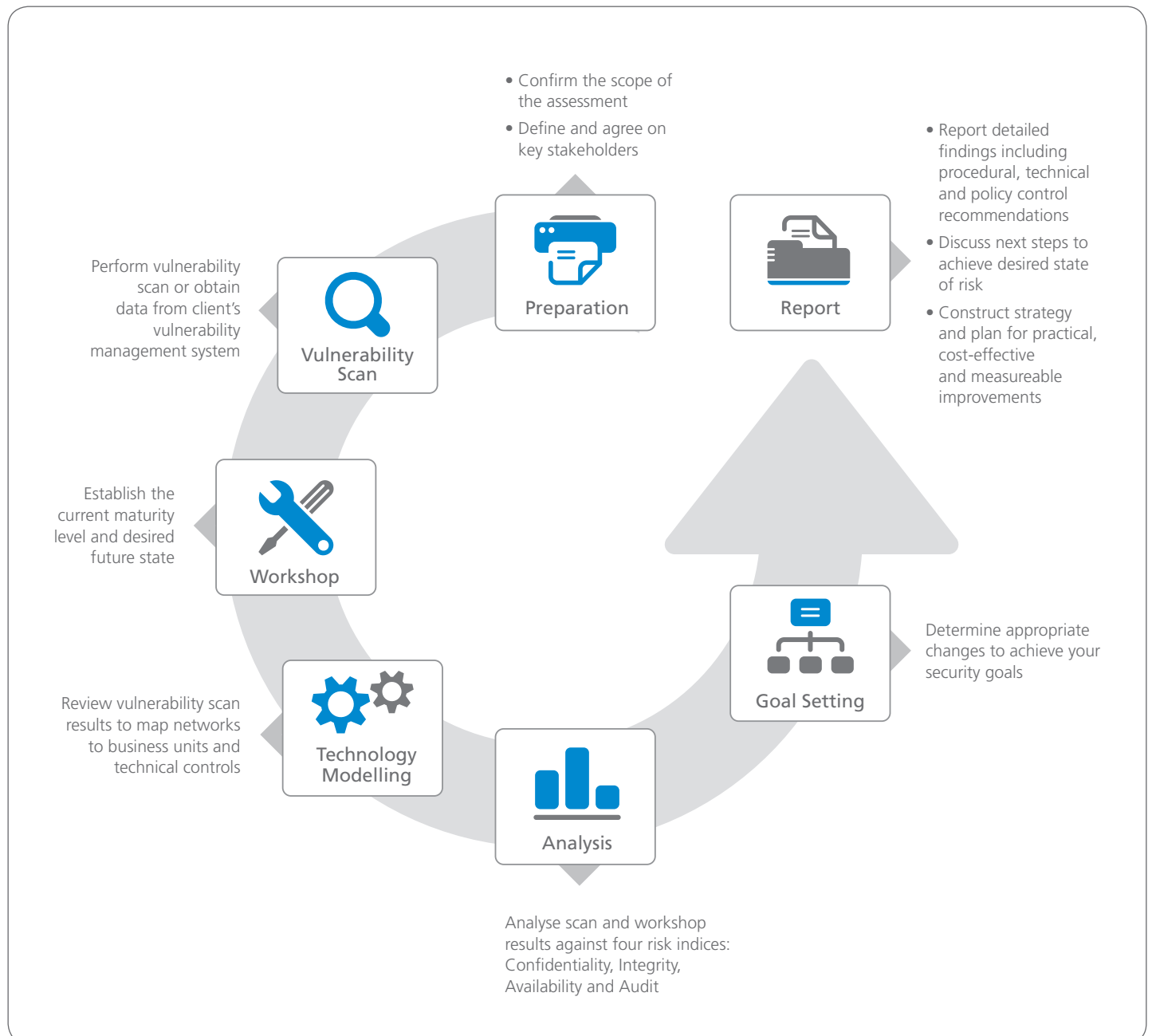
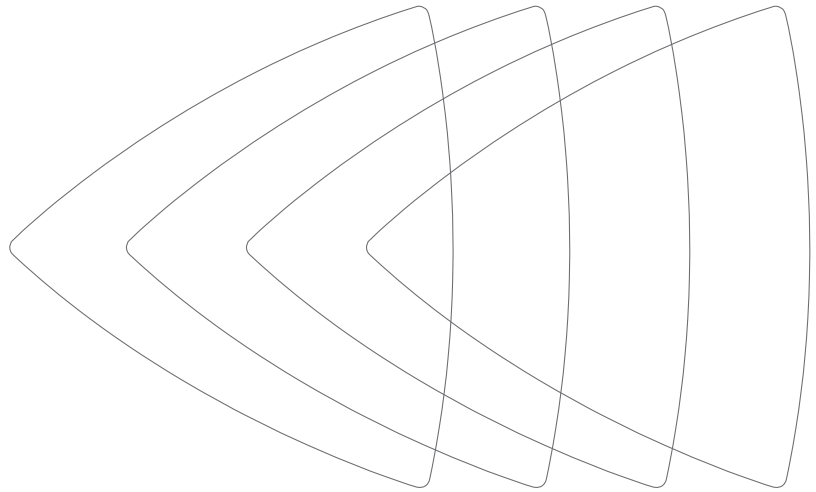
will Identify security risks in all stages of cloud deployments from initial evaluation and architecture to ongoing assessments and testing. This will ensure whether a hacker could gain access to your cloud instance or the data behind it. The service support non-intrusive remote engagements to simulate cyber attacks and identify gaps.



### Our approach

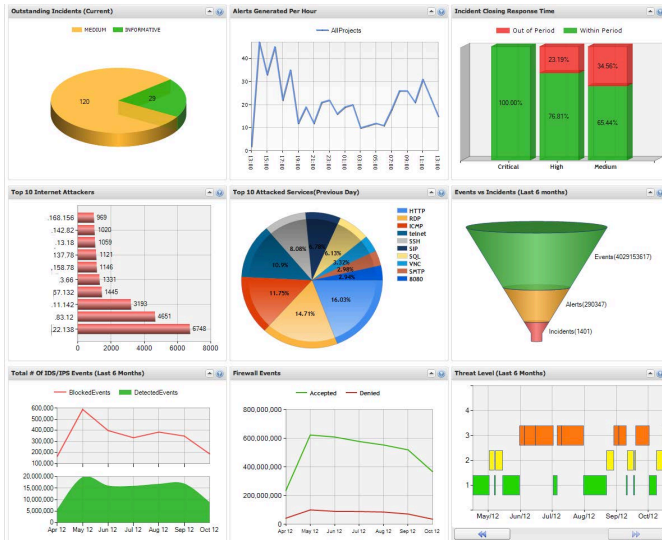
E Com Security Solutions **specializes in creating pragmatic, cost-effective and strategic security assessment engagements** to help our clients **achieve sound governance, risk management and compliance**. We help you determine your priorities, and tailor our approach to deliver on both immediate and longer-term goals. The Security Assessment and Penetration test is conducted in a matter of days – rather than weeks – making it a rapid, repeatable and cost-effective process.

To ensure successful execution and maximum benefit, E Com Security Solutions engages with clients across a number of key stages:



## Exceptional Reporting





Powered by the Cyber Security Research team, the customer portal provides full visibility into your security and compliance posture with advanced reporting functionalities and the intelligence and analytics you need to easily understand your risks, demonstrate compliance and make better decisions.



## Expert Support from Certified Security Professionals

Our Security Operations Centers are staffed by experienced, well-trained and well-equipped security professionals. We encourage all of our security analysts to hold the SANS GIAC GCIA (GIAC Certified Intrusion Analyst) certification. This team also holds a variety of security industry and product certifications such as CISSP, CCNA, CCSP, CCSE, CCSA, MCSE, etc. All of our security analysts also have multiple years of real world network security experience which they leverage to fully investigate and analyze security activity. Our security analysts understand what's at stake for your organization and conduct their duties with singular purpose. As part of our Managed Security Services, our clients receive unlimited remediation support and consultation from our security analysts. We do not utilize tiered analysis levels within our SOCs, where inexperienced junior technicians serve as the first line of security analysis and response. Instead, all of our security analysts are true security experts, ensuring that our clients receive the highest caliber of service to protect their assets. All of this allows our security analysts to serve as a seamless extension of your team with the best interests of your organization present at all times. As a result, we maintain a client retention rate in the high 90th percentile.

The project consulting methodology is built upon the following elements:

| Inception  | Assessment strategy   | Assessment   | Analysis and report  |
|--|---|--|--|
|   |                                    |    |   |
| Setting the boundaries   | Defining the rules  | The fieldwork  | Findings   |
| <ul style="list-style-type: none"> <li>Assessment scope</li> <li>Planning</li> <li>Roles and responsibilities</li> <li>System inventory (characteristics, purpose and business criticality)</li> <li>Understanding of the architecture</li> <li>Insight in to policies and procedures</li> </ul> | <ul style="list-style-type: none"> <li>Time frame</li> <li>Constraints</li> <li>Tools</li> <li>Limitations</li> </ul> | <ul style="list-style-type: none"> <li>Information gathering</li> <li>Network discovery/map</li> <li>Network scanning</li> <li>Sys/App fingerprinting</li> <li>Vulnerability assessment</li> <li>Research</li> <li>Exploitation</li> </ul> | <ul style="list-style-type: none"> <li>Weakness analysis</li> <li>Management level reporting with high level action plan</li> <li>Technical reporting with detailed recommendations</li> <li>Presentation</li> </ul> |

#### Why E Com Security Solutions?

Most industries subject to regulations and compliance mandates rely on our security expertise to make the process easier. We take a security-centric approach to compliance and security assessments, and work closely with regulators to stay abreast of changing requirements.

#### Our track record:

- Exclusively focused on Security Services
- True understanding of risk, based on applied research and data from worldwide
- Years of security and compliance experience
- Jargon-free findings & recommendations
- 12 months of ongoing support at no additional cost
- Scalable to fit any environment
- Global footprint, local delivery
- Security experts range from technical engineers and security consultants to BSI Lead Auditors. Our certifications include CISSP, CCSA, CCSE, RSA and SANS GIAC.

Our consultants have technical experience within **networking**, **security** and **systems** and have a background in design and implementation of high-end infrastructures

#### Unlimited Assessments



- Verification of every vulnerability
- Re-test every vulnerability on demand
- Eliminate trade offs between security & cost with annual fee

#### Easy to Manage SaaS-Based Platform



- Cloud based with no hardware or scanning software to install
- Eliminate time-intensive configuration and management concerns
- Assess thousands of websites simultaneously

#### Incident Response backed by Security Research team



- Understand your exposure to targeted threats, including APT
- Respond & recover from the complex & large-scale security incidents
- Minimize detection & response times, reduce operational overhead, enable compliance, and pro actively get ahead of emerging threats

#### Flexible Reports



- Enterprise class reporting with business unit level aggregation of data
- Advanced analytic capabilities to monitor trends and key stats such as remediation rate, time to fix vulnerabilities and age of vulnerabilities
- Dashboard interface for your security program management to secure upload of project or to export remediation reports

#### PCI Compliance



- Exceed requirements of the PCI DSS by providing ongoing, verified vulnerability assessments for both internal and public websites.
- Includes business logic and penetration testing required by PCI DSS.
- Meet other information security best practices including SOX, HIPAA, GLBA, FISMA, E13PA and ISO 27001/27002.

#### Asset Identification & Risk Profiling for the Enterprise



- Rapidly identify all website assets – even sites you didn't know you had
- Prioritize Web applications based on business risk to your organization
- Gain a comprehensive understanding of potential attacks
- Accelerate the identification and remediation of security vulnerabilities

#### Production Safe



- Customized testing for safety first by analyzing web application inputs, state-changing requests and sensitive functionality
- No performance degradations due to scanning payload
- Assured data integrity due to using benign injections in place of live code
- Custom tuning of scans permitting full coverage without performance impact

## Success stories

### VISA / MasterCard

Both VISA and MasterCard proactively developed account data security programmes involving extensive security audits of select merchants, payment of service providers and processors. We assisted Visa International with the development of their initial payment card security assessment program, and the expansion of the program throughout Western Europe.

### European union institutions

We executed a large Security Assessment project comprising of the following components: Vulnerability Assessment, Penetration Testing, Security Infrastructure Study and System Security Analysis of servers, workstations and network devices.

### Multinational food company

We were contracted to assess the firewall infrastructure of several sites and executed Audit missions consisting of Penetration Testing services and Firewall rules compliancy assessments against corporate policies. The project involved 25 sites across the world.

### e commerce company

We had assessed the company's websites that provide customers in 14 countries with access to airline tickets, hotel rooms, holidays, car hire, entertainment tickets, restaurant reservations gifts and auctions.

### Financial institution

We had performed a penetration test on the remote access and VPN infrastructure to validate the security measures of the new infrastructure components.

### Large Belgian mobile phone operator

We undertook a vulnerability assessment that encompassed the client's core infrastructure including servers and network equipment. The findings were analysed and consolidated into an action plan with clear and prioritised steps to remediation. In addition, a vulnerability management service provided the client with continual automated vulnerability monitoring and remediation tracking. It was further integrated with security event monitoring software and devices.

### Global insurance firm

For this global banking and insurance firm, we deployed an internal Vulnerability Management service covering 250 internal IP addresses.

### Large university hospital

We had deployed an internal Vulnerability Management solution covering 250 internal IP addresses and assisted with the first infrastructure discovery and vulnerability assessment.

### International temporary and contract staffing organisation

For this world leader in human resource solutions, we had deployed an internal and external Vulnerability Management service covering 32 external IP addresses and 224 internal IP addresses, across multiple sites in several countries.

### Payment service provider

We had assisted this payment service provider throughout its Payment Card Industry Standard compliance programme. The project comprised of a quarterly Vulnerability Assessment of the entire external infrastructure and a thorough yearly assessment targeting both technical, managerial and security management aspects.



**We would welcome the opportunity** to discuss your security governance, risk management and compliance needs, and how we can help address your security management challenges. To set up an appointment, please contact your nearest E Com Security Solutions office.