Cyber Security Threat, Vulnerability and Risk Assessment

CGI

Organisations are increasingly dependent on information systems for all their business activities with customers, suppliers, partners and their employees. Organisations need to be confident that they can operate securely. Their cyber security risks need to be understood in the context of the overall business. For many years we have been supporting our clients to embed cyber security into their business operations.

THE CHALLENGE

The cyber threat to organisations is increasing daily. These attacks are becoming more sophisticated and target people, networks and devices.

Clients need to understand their cyber security risks and take the right actions so that they are confident they operate securely. They need to demonstrate to internal and external authorities that threats have been assessed, vulnerabilities identified, and their business has policies and processes in place to manage the risks.

As business changes and organisations grow, management want to understand the potential cyber security risks that new technologies, new ways of working or new suppliers bring to their organisation.

Across the business, senior management will want to be sure that their organisation has the appropriate processes in place to protect what is valuable to them. This could be their intellectual property, customers personal data, corporate information or their brand and reputation.

OUR THREAT, VULNERABILITY AND RISK ASSESSMENT SERVICES

CGI's vulnerability and risk assessment methodology provides accurate, controlled, repeatable, and in-depth findings and actionable, prioritised recommendations for remediation. It is customised to focus on a client's requirements for evaluation, risk tolerance and specific business goals. Our skilled experts will assess the risks and identify vulnerabilities in the applications, systems and networks, providing cost-effective recommendations to manage them.

Our approach

The CGI methodology uses multiple automated assessment tools to target discovery, foot-printing and initial assessment.

STREAM is a risk management product that we have successfully used across multiple sectors. It is versatile and can be used with different profiles to meet the needs of individual clients. Its great strength is that it is designed to be an operational tool so, whereas other tools often take a

A CYBER SECURITY PARTNER YOU CAN TRUST

- The best cyber security supplier in the UK with hundreds of experts
- Over hundred clients across the world are supported by CGI's cyber security managed services
- We are developing a secure service enabling utility companies to access information on the energy usage of the 53 million smart meters which will be deployed in the UK from 2015
- We are reviewing the cyber security preparedness of an important element of the UK energy industry
- Responsible for the security of the UK 2011 Census program, assuring the privacy of 60 million citizens
- For 27 years we have operated a commercial evaluation facility and regularly test the products and services of over 25 global technology suppliers
- We have ensured that the biggest and, most complex, single infrastructure project in Europe is security accredited for the UK's Ministry of Defence
- One of the founding members of the CESG CHECK scheme which ensures our penetration testing is within UK government guidelines
- As a trusted partner to the Canadian Payments Association, we help ensure that more than $170 billion in transactions a day are cleared through CPA systems safely and securely

snapshot of a security risk at that moment in time, STREAM can react immediately to any changes which are input during the assessment, either actual or potential to give an indication of the changing risk position.

For example, it is possible to show immediately the impact of a change in threat or introduction of a new business function to the overall risk and to permit the analyst to discuss appropriate treatment. Its use of 3D graphics rather than reports makes it suitable for the boardroom as well as for monitoring a security manager's routine work.

Alternatively, our own IRIS methodology enables us to perform risk assessments quickly and cost-effectively. The outputs inform the client of their security risks and enable them to implement a coherent, comprehensive and cost-effective security regime combining risk analysis and business impact analysis together.

IRIS also delivers a package of documents that can be used by the client in the event of a formal audit to internal or external standards such as ISO/IEC 27001. Our methodology combines an interactive workshop approach with tool-based rigour to increase the client's information security understanding and provide them with a comprehensive view of the risks to their business.

Industry leading automated assessment tools are plagued by multiple false positives and undetected vulnerabilities. Our methodology includes a manual validation and testing phase that verifies the accuracy of each automatically detected vulnerability and includes tests that the automated tools are known to miss. It is performed in a carefully controlled manner with input from, and coordination with, the client at all phases. All test parameters are recorded to allow retesting under the same conditions. Raw data of test results is provided to the client so that each finding can be replicated and verified.

WHY CGI?

We can provide the deep expertise to keep you ahead of the attackers and protect your organisation. For over 35 years, we have helped secure government and commercial clients and delivered some of the most complex technology projects and services. We have received many accolades for our work and have supported our clients to achieve a 100% success rate when undertaking ISO 27001 accreditation.

We have dedicated UK cyber security consultants advising a wide range of clients across UK public and private sectors. We have invested heavily in establishing our credentials by working closely with international security associations and standards bodies. Many of our team are recognised as leaders in the industry, contributing to the development of standards such as ISO/IEC 27002. They are part of CGI's 1,400 strong global cyber security team and they bring this shared expertise, research, knowledge, capabilities and solutions to our client projects.

We offer the full range of support from consultancy, secure solutions to services such as Protective Monitoring and Advanced Threat Investigation.

We have been trusted by hundreds of clients to help them operate securely. They can be agile, adopt new technologies and ways of working, develop a global supply chain and new channels to their customers – whilst remaining confident that they are secure.

ABOUT CGI

With over 68,000 professionals in 40 countries, CGI fosters local accountability for client success while bringing global delivery capabilities to clients' front doors.

Founded in 1976, CGI applies a disciplined delivery approach that has achieved an industry-leading track record of on-time, on-budget projects.

CGI has a global team of cyber security experts, who work with governments and commercial clients, ensuring their business critical systems and services are effective and secure.

CGI is one of the few providers worldwide with three accredited security certification facilities - located in the UK, Canada and the U.S. Our ten Security Operations Centres continuously identify and deploy the best solutions to maintain a state-of-the-art infrastructure, handling over 74 million cyber events a day.

Our high-quality business consulting, systems integration and outsourcing services help clients leverage current investments while adopting new technology and business strategies that achieve top and bottom line results.

As a demonstration of our commitment, our average client satisfaction score for the past 10 years has measured consistently higher than 9 out of 10.

For more information about CGI, visit :
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