

# Digital Risk Management Advisory

Effectively managing cyber risks—  
now and into the future

**CGI**



Today's organizations require agility and innovation to deliver seamless digital experiences—anytime, anywhere. In response, customer, employee and supplier ecosystems have become more complex, connected and open. At the same time, cyber risks are growing in velocity and complexity.

Managing security risks in an increasingly connected and open business world demands an insights-driven and integrated security approach that extends across the enterprise.

How can you enable innovation and agility while managing cyber risks from end-to-end?

# Securing today's digital realities

Enterprises are continuously evolving to deliver value to customers, citizens, employees and shareholders at pace in response to fast-changing needs.

New technologies, data sources and connections are enabling this evolution, including multi-cloud environments, edge computing, automation, artificial intelligence (AI), Internet of Things, 5G, micro-services, devices, and application programming interfaces (APIs). However, cyber threat actors are harnessing these same advances to create an increasingly sophisticated and dynamic risk landscape. The cybersecurity arms race is escalating.

Enterprises also are expanding their supplier ecosystems and customer bases. Many are involved in mergers, acquisitions, divestitures and reorganizations, and have increasingly hybrid workforces (human and non-human) operating from almost anywhere.

At the same time, greater volumes and types of data can be accessed more easily (e.g., via the cloud and edge computing). Enterprises are using this data to “train” AI solutions, automate decisions, control robots and co-bots, and optimize human experiences. Stricter data protection and privacy regulations are increasing across the globe. Non-compliance or a breach can have devastating reputational and financial effects.

As data and technologies become more widely distributed and connected, trusted physical security perimeters are disappearing, and enterprises are transitioning to alternative security models. In addition, the “as a service” trend is forcing organizations to change how they purchase, operate, monitor, control and decommission IT.

Of nearly 1,700 business and IT executives interviewed for the 2021 CGI Voice of Our Clients:

## Cybersecurity

is the most frequently mentioned business priority. This is becoming more important with increasing digitization, IT modernization and collaboration needs.

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### 65%

say they have a high level of awareness of the consumer/citizen data privacy laws and regulations within their organizations' primary country of operations while 43% cite a high level of awareness within all other countries of operations.

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### 25%

say they do not know whether they have mechanisms in place to locate where key data assets are processed and stored.

Source: 2021 CGI Voice of Our Clients

# Managing risks with an insights-led approach

We recognize the incredible business potential that digital technologies bring. We also understand the complexities of your operations and your need for agility and engaging user experiences. Without an insights-led risk management approach, evolving threats and risks can disrupt business continuity, or—just as bad—force you to operate in a hamstrung fashion, innovating and collaborating too slowly for a fast-moving world.

Our experts are ready to help you exploit these technologies to deliver value—quickly and securely. Overall, our Digital Risk Management Advisory Services deliver:

- **Innovation and collaboration at pace:** By proactively, programmatically and effectively securing your operations against evolving threats and risks, you can focus more on innovation and collaboration to drive business performance, agility and value.
- **Reduced risk exposure:** An insights-led approach to risk management uses rich data to identify and manage risks holistically across the enterprise in near real time, allowing for proactive and comprehensive risk mitigation and fast response to threats.
- **Improved data privacy and regulatory compliance:** Securing your operations with the right approach also ensures you meet even the most stringent regulatory requirements. For example, when you enter a new market, you can be confident of your compliance with local data privacy regulations.



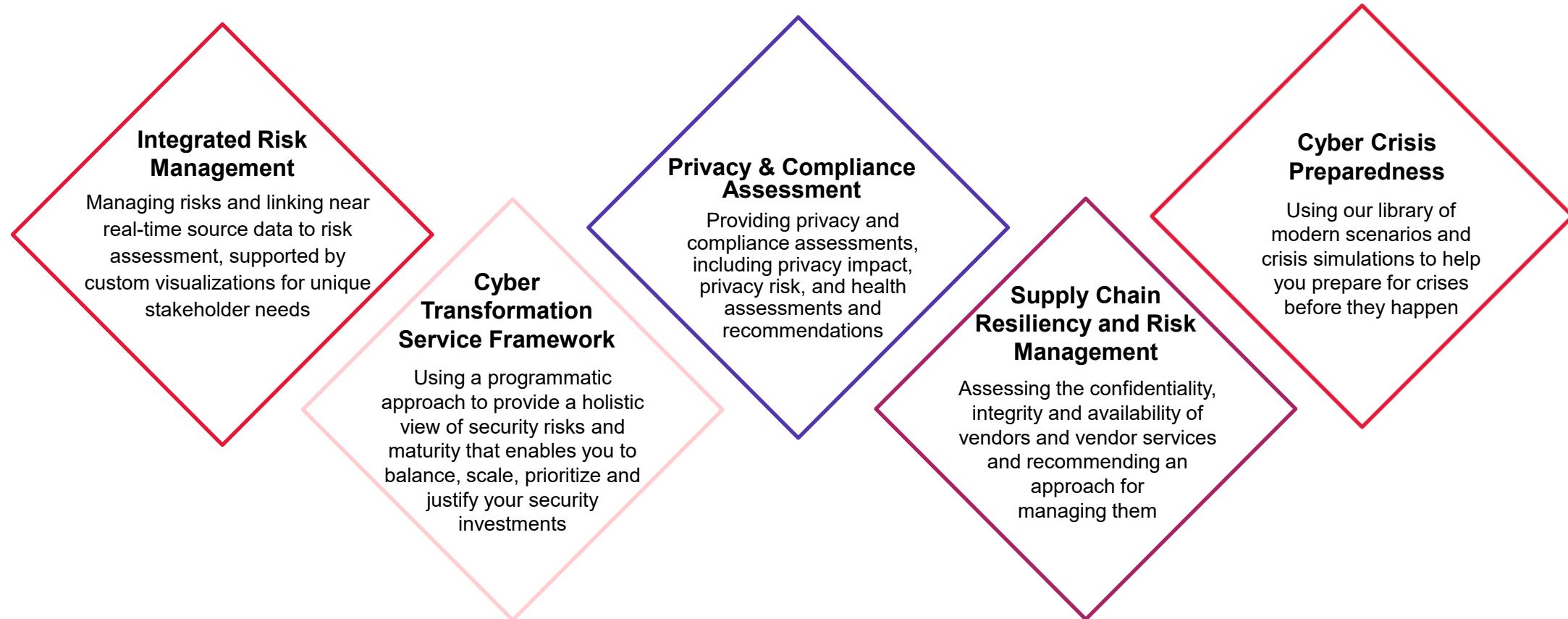
**With CGI's Digital Risk Management Advisory Services, you can manage and respond to cyber risks from end-to-end, without sacrificing business agility and innovation.**



# What success looks like

- **Real-time single source of truth:** When your CEO, CISO or even a product leader needs an overview of enterprise risks, they can access an accurate, near real-time visualization from a “single source of truth.”
- **Incremental and collaborative:** When you develop new technology solutions and systems using modern methodologies like agile and DevOps, you can align risk management closely with your development and implementation timelines.
- **Compliant and programmatic:** Your CEO, CFO or CISO is confident of your compliance with evolving regulations. And when they seek to achieve a desired risk posture, you have a framework for assessing and prioritizing the required investments.
- **Resilient partner ecosystem:** You are confident that your third-party supplier ecosystem and business supply chain are resilient, and can assess your dependence on each in an agile way.
- **Crisis preparedness:** You are ready for any crisis and can respond quickly and effectively, because you’ve practiced before using scenario gaming and simulations.

# CGI's Digital Risk Management Advisory Services



01

## Integrated Risk Management

Large enterprises today have a complex ecosystem of services, agile development, increasingly diverse technology, and more data than ever before. We work with you to better secure your systems in this new reality and achieve more rapid incremental change, unlike traditional approaches, which typically involve periodic assessment and documentation, along with manual tracking. Our integrated risk management processes manage risks throughout the life cycle of your systems and solutions. In addition, our information management approach provides near real-time linking of source data to risk assessment. We also provide custom visualizations to serve the unique needs of different stakeholders—each based on a “single source of truth.”

02

## Cyber Transformation Service Framework

The broad nature of cybersecurity makes it difficult to have a holistic view of risk and maturity that allows a balanced and appropriately sized, prioritized and justified investment in cybersecurity. Through our holistic, programmatic approach, we provide a framework to assess and prioritize investments required to achieve a desired risk posture. We also provide balanced security assessments against established frameworks such as ISO27000/NIST combined with national and local regulatory requirements, as well as best practice guidance for the domain under analysis. In assessing your risks and maturity, we develop “as is” and “to be” views of your security posture, working closely with business owners. The resulting gap analysis enables you to develop a portfolio of prioritized improvements that will drive the development of your security strategy and roadmap.

03

## Privacy and Compliance Assessment

Our privacy and compliance assessments—geared towards regional and/or global compliance—provide a deep dive into the digital risk terrain for your particular industry. In line with our methodology, we develop a baseline, identify and rank your risk exposures, and provide clear recommendations to close critical gaps quickly. We also work with you to build a program for managing privacy risks that puts you firmly in control.

04

## Supply Chain Resilience and Risk Assessment

Your supply chain is a critical domain of your ecosystems and should ideally be part of an integrated risk management program. To ensure resilience, we help you to understand your supply chain dependencies as part of a supply chain assessment tailored to your industry, third-party suppliers and geopolitical risks. In line with our methodology, we develop a baseline, identify and rank your risk exposures across your supplier ecosystem, and provide clear recommendations to close critical gaps. We also support you in building a program for managing supply chain risks that ensures your business continuity and resilience.

05

## Cybersecurity Crisis Preparedness

In today's world, despite the best defenses, your organization will face security threats; it is not a matter of if, but of when and how. Crisis preparedness is key to quick response, mitigation and containment, as well as to ensuring business continuity. We use our up-to-date library of modern threat and response scenarios to develop periodic, multi-disciplinary and joint crisis simulations that enable you to prepare for any crisis.

# Case in point

## Enabling a pharmaceutical firm to achieve a balanced cybersecurity posture

A North American pharmaceutical biosciences company with a global footprint was experiencing significant business issues, particularly in the area of cybersecurity. It had no security strategy, plans or policies. As a result, its security posture was ad hoc, with critical gaps.

We conducted a cybersecurity assessment, which revealed serious gaps across a number of areas, including governance, policies and operational security implementation. To address these, we helped the firm establish a more effective cybersecurity program, tailored to its specific needs, as well as satisfy industry regulators.

The program included:

- Cybersecurity strategy
- Governance framework, mapping accountability and responsibility
- Detailed cybersecurity policies across all technical design and related business processes
- Compliance assurance and risk management framework
- Rapid implementation of CGI managed security services to provide a protective cyber envelope

Through our advice and services, the firm is well on its way to achieving a balanced and integrated cybersecurity posture that is more secure and resilient.



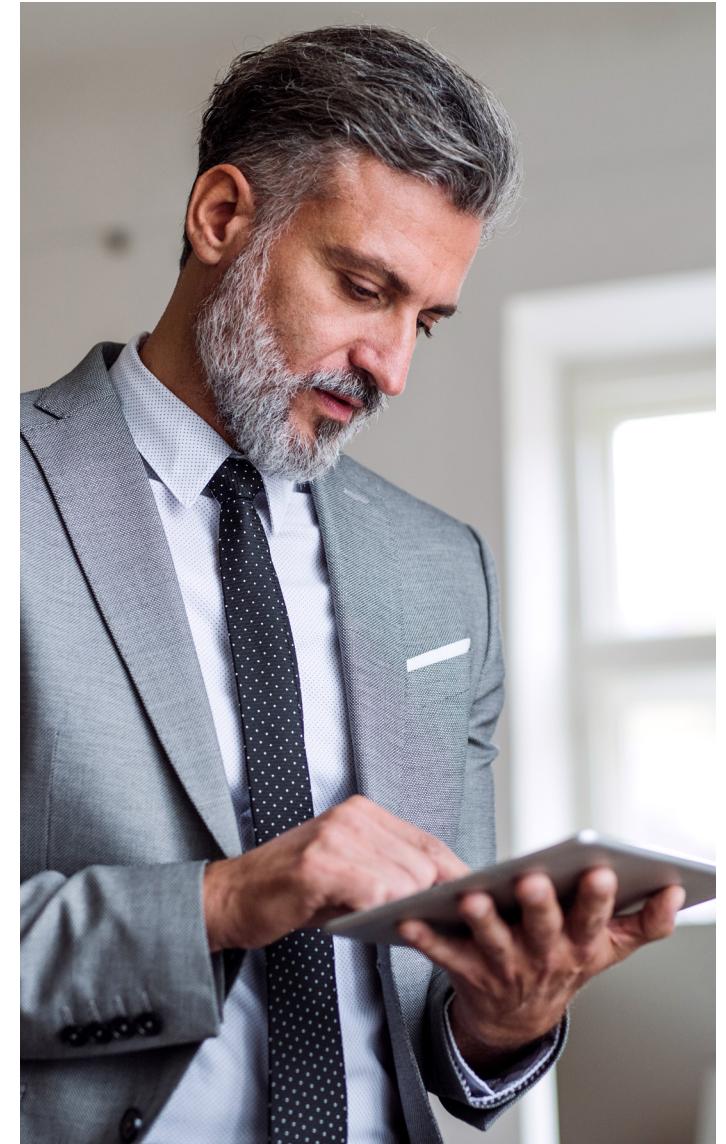
# Case in point

## Helping a major European insurer holistically manage its cybersecurity risks

With the growing number of cyber-attacks, threats and risks that come with digital transformation, this insurer wanted to achieve the right level of security.

CGI is providing the insurer with high-level advisory services for integrated risk management, including:

- Mapping risks across its entire application base and across a significant number of its critical external partners
- Setting up a cybersecurity service center that integrates security requirements and best practices into every new project
- Performing a risk assessment on a large number of application systems and cloud suppliers over three years
- Developing a remediation plan with business teams and defining cybersecurity requirements for cloud services contracts



With more than 40 years of experience in delivering a wide range of cybersecurity services, CGI offers capabilities and solutions that set us apart. We take a balanced, structured and holistic approach to security and risk management within digital and open work environments.

# Our cyber risk management experience sets us apart

Staying abreast of the rapidly changing technology landscape, industry ecosystems, and threat scenarios from around the world, we balance connectivity and other business requirements with appropriate privacy and security considerations.

Using our global industry and cybersecurity expertise, we work with clients to assess and manage risks, protect their business transformations and enable them to operate securely, with agility and pace.

We provide end-to-end services—from strategic cybersecurity consulting, to solution design, development and implementation, to 24/7 global protection for complex business and government domains. We also align our advisory services closely with our implementation and management services.

Our 1,700+ credentialed and experienced security experts use best-in-class processes and tools, combined with a unique set of business accelerators, to deliver relevant advice to fit each client's unique business and transformation needs. These accelerators include maturity and classification models, blueprints and reference architectures, integration templates, and operating and governance models.

We also are vendor neutral, outcome-based and fiercely client committed.



# CGI's Cybersecurity Advisory Services

CGI's Digital Risk Management Advisory Services are part of our broader suite of Cybersecurity Advisory Services designed to enable you to achieve your business goals through a holistic and balanced cybersecurity approach. In addition to mitigating risk, we offer consulting for digital identity and access management, protecting the enterprise in a multi-cloud environment, and safeguarding operations during artificial intelligence-driven automation, as examples.

**We stand ready to help your organization benefit from an integrated, holistic and innovative approach to cybersecurity risk management.**

Contact us at [info@cgi.com](mailto:info@cgi.com) or learn more at [cgi.com/cybersecurity](https://cgi.com/cybersecurity)

## About CGI

### **Insights you can act on**

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world. We are insights-driven and outcomes-based to help accelerate returns on your investments. Across 21 industry sectors in 400 locations worldwide, our 77,000 professionals provide comprehensive, scalable and sustainable IT and business consulting services that are informed globally and delivered locally. For more information

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