CRYPSIS™

Risk Management Services

The Crypsis Group offers a range of cyber risk management services to help you maintain a state of readiness against the threat of attack. Leveraging our knowledge of how hackers and other cyber criminals operate, we advise our clients on the measures they can take to bolster their defenses, improve their ability to detect security events, and lower the risk of security breaches to their business operations and reputation.

Thinking Outside the Breach™

While the possibility of a cyber attack is always present, there are measures organizations can take to manage their risk and reinforce the security of their networks and digital assets. The Crypsis focus is on educating technicians and non-technical stakeholders alike, while assessing and optimizing security policies, procedures, and technologies to:

⮑ Strengthen security operations and programs

⮑ Utilize threat intelligence as part of a comprehensive risk management plan

⮑ Monitor and manage threats — internal and external

⮑ Mitigate the potential cost and damage of an incident or breach

⮑ Provide security training for staff

⮑ Obtain maximum value from audits and assessments

With many years of combined experience responding to cyber attacks and data breaches, the Crypsis team has the know-how to ensure your network architecture keeps current with the ever-evolving security threats. We offer a range of advisory, evaluation, and assessment services to fortify your security operations and empower you to respond effectively and appropriately. Our experts are adept at working with personnel across all levels of an organization to strengthen controls around security objectives and operationalize intelligence to enable them to make the most informed decisions.

> The Crypsis team is crisis-tested and battle hardened. Our experts have responded to some of history's most destructive data breaches. They know how cyber criminals think, how they operate, and the sophisticated tools they use to attack networks. And they can help your business strengthen its defenses.

Our Risk Management Services

Advisory Services

Organizations of every size should have plans in place in the event a cyber incident occurs. At Crypsis, we recognize that organizations have varying needs and levels of available resources to create their security plans. Our consultants will deliver the right level of support for your organization to build, monitor, and test security plans, and to work continually to identify gaps that could enable attackers to successfully breach your environment. We offer a range of advisory services to educate and empower executives on data and network security matters and help them put the right measures in place to manage their security risks. We also work with technical teams develop, refine, and test their incident response plans.

Cyber threats may be out of your control, but how you manage and respond to them is not. Crypsis helps you understand your network's exposure to threats, shore up your defenses, and prepare for an attack.

Preparation and Readiness

The Crypsis team can work with you to develop a number of tools that will aid you in evaluating your ability to respond to a security intrusion and identify measures you can take to improve your readiness.

- ➲ **Security Program Roadmap:** This customized, actionable plan will address your specific security needs and identify threats you face.

- ➲ **Incident Response Plan:** Your IR Plan will identify and define critical roles, responsibilities, and processes.

- ➲ **Incident Response Playbook:** We will work with you to create an IR Playbook and train your staff in how to use it in the event of a data breach or cyber attack. The playbook identifies specific tactics to employ if a breach is detected.

Virtual CISO (vCISO)

Our vCISO Program is designed for companies with security needs that do not have an experienced Chief Information Security Officer (CISO) on board. The Crypsis Group's highly experienced consultants can fill this role on a temporary or ongoing basis, advising organizations and their staffs on how to develop and maintain a robust risk management program.

Tabletop Exercises

As we work with your organization on a risk management program, the Crypsis team can develop exercises to put your team through their paces and improve your readiness in the event of an incident.

$2 trillion

The global cost of cyber crime will reach $2 trillion by 2019, a threefold increase from the 2015 estimate of $500 billion.[1]

$7 million

A global study of large businesses found that the average cost of a data breach grew from $3.8 million to $4 million in 2016. In the U.S., the figure rose to $7 million.[2]

48%

Forty-eight percent of data security breaches are caused by acts of malicious intent. Human error or system failure account for the rest.[3]

SecOps Consulting

Many of the experts on our team have run Security Operations Centers (SOCs) for major companies, government agencies, and other organizations for which data and network security is mission critical. Accordingly, Crypsis has a wealth of collective knowledge about deploying and optimizing technologies that security teams use to monitor for and detect security events.

- ⮑ **SOC/CIRT Optimization:** Crypsis can help you strengthen processes at your SOC or CIRT, as well as streamline operations and apply best practices.

- ⮑ **Threat Intel Management:** Our consultants are experts in establishing intelligence-driven security operations. They help organizations make sense of threat-related data and better understand how to leverage existing tools and data to proactively identify and understand cyber threats.

- ⮑ **Splunk® Engineering:** Our Splunk® Advisors provide highly customizable services. We work with organizations specifically reviewing their enterprise security deployment and configuration to improve their ability to detect and respond to security events, and we can optimize your Splunk® instance to collect data in a way that is actionable in improving security across the organization.

Assessments

The Crypsis Group can perform a range of assessments that can help your organization determine its vulnerabilities to cyber attacks in traditional environments or in the cloud. Our consultants customize these assessments based on the maturity of your security organization to provide the information you need to manage your risks, strengthen the security of your IT network and data, and develop effective response plans in case of attack.

- ⮑ **Compromise Assessment:** Our consultants investigate whether your organization's network has been compromised by cyber attackers, whether digital assets have been stolen or damaged, and whether the attackers are still gaining access.

- ⮑ **Penetration Test:** Our experts try to find vulnerabilities in your network, or verify the strength of the network's defenses, by simulating real-world attacks, using the sophisticated means that cyber attackers are known to deploy. From these tests, they can deliver important information about your security controls that you can use to shore up your network and manage risks.

- ⮑ **Breach Readiness Review (BRR):** We assess the people, processes, and technologies that you already have in place to understand gaps that threat actors can exploit to gain access. We identify the skills of your IT team members so that you can get the most out of them in keeping your network and data secure and fighting off cyber attacks.

What is a Crypsis Retainer?

When you suddenly realize your corporate network is under attack, having resources already in place to respond to the problem, stop the attack, and secure your data can make a huge difference in how quickly and completely you recover from the breach. Our retainers ensure that the Crypsis team is always engaged with your organization, helping you maintain a state of readiness and staying available at a moment's notice to respond to any breaches or threats. We can design a retainer to fit your budget, to support your MSA, and to provide SLA guarantees.

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Half of small and midsized organizations reported suffering at least one cyberattack in the last 12 months.[4]

38%

In a recent survey of nearly 3,500 organizations, only 38 percent believed they were prepared to meet the onslaught of sophisticated cybercrime.[5]

1 https://www.juniperresearch.com/press/press-releases/cybercrime-cost -businesses-over-2trillion

2 https://www-03.ibm.com/security/data-breach/?ce=ISM0484&ct=SWG&cmp=IBMSocial&cm=h&cr=Security&cy=US&cm_mc_uid=37515248834014899482472&cm_mc_sid_50200000=1489948247

3 https://securityintelligence.com/20-eye-opening-cybercrime-statistics

4 According to Keeper Security's "The State of SMB Cybersecurity", cited at https://securityintelligence.com/20-eye-opening-cybercrime-statistics/

5 http://www.isaca.org/cyber/Documents/2015-Global-Cybersecurity-Status-Report-Data-Sheet_mkt_Eng_0115.pdf

Why Crypsis?

✓ Breadth of Knowledge and Experience

Members of the Crypsis team are amongst the smartest and most talented cyber security experts anywhere. They have responded to and managed investigations of complex data breaches at global organizations across multiple industries including healthcare, retail, e-commerce, and energy. We are adept at responding to compromises involving cloud-based and enterprise applications, including attacks by nation-state actors, insiders, and cyber criminals looking to steal PII, PCI, and PHI data.

✓ Operational Expertise

Our consultants are highly experienced operational security experts who in their careers have set up and run Security Operations Centers (SOCs). Their work keeps them on the vanguard of the relentless battle to identify and neutralize cyber threats from all corners of the world. Accordingly, we know how to spot malicious threat actors and what to do to prepare for the worst. We understand that the most effective security programs are those that improve the organization's security posture without compromising the functional needs of the business.

✓ Perspective

Many Crypsis consultants have been employed by organizations that have experienced data breaches, so we understand what our clients are going through. We bring this perspective to each of our engagements, educating our clients on cyber security in terms they can related to. Our experts work not only to gain the client's trust and confidence that an attack will be stopped and threats will be managed, but also to demonstrate empathy for those who may be facing a looming disaster that they themselves don't fully understand.

✓ Security for Every Budget

We believe organizations of all sizes should have access to the expertise they need to be as secure as they can be. We work with our clients to establish a budget that makes sense for them.

> Our highly experienced security experts have worked in some of the cyber world's most challenging environments — from the White House Security Operations Center to helping major corporations and government agencies protect themselves from financially motivated cyber thieves, organized crime, nation-state threat actors, and hacktivists.

Contact Us to Learn More About How The Crypsis Group Can Help Your Organization

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