CRYPSIS™

Data Breach Response & Risk Management Services

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The Crypsis Group is a security advisory firm that specializes in data breach response and risk management services. We focus on supporting our clients as a trusted advisor before, during, and after a breach. The combination of our deep security knowledge, proprietary technology, and methodology allows us to rapidly Identify, Contain, and Eradicate (ICE™) attacks for organizations.

Our team's experience spans security monitoring within the intelligence community and advising at the national security level to performing high profile data breach investigations and leading remediation efforts.

The Crypsis Group Consultants have supported investigations for organizations across a variety of industries including:

Aerospace & Defense	Banking & Finance	Energy, Oil & Gas
Healthcare & Pharmaceutical	Legal & Consulting Services	Media & Entertainment
Retail	Technology	Telecom

Crypsis I.C.E. Methodology™

IDENTIFY.

- Locate the initial point of compromise
- Uncover the attacker's movement throughout the environment
- Determine the scope and severity of the breach
- Work with organizations to determine potential business impact and risk

CONTAIN.

- Restrict the threat actor's ability to operate in the environment
- Minimize further impact to the organization
- Custom containment plan to balance an effective containment strategy with operational requirements

ERADICATE.

- Eliminate the threat actor from the environment
- Improve the organization's security posture to mitigate the impact of future breaches

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~ 1,000,000
The number of new malware threats released every day.

Internet Security Threat Report 2015, Symantec

200+ days
Average amount of time attackers reside within a network until they are detected.

Microsoft Advanced Threat Analytics, Microsoft

62%
Cyber-breach victims who are small to medium businesses.

"Hacked: The Implications of a Cyber Breach," hosted by Travelers Insurance

Data Breach Response

We recognize that organizations do not have infinite funds to spend on detecting and responding to cyber attacks and, more importantly, they are often working against the clock to assess what data was accessed in order to notify relevant parties within the required timeframe. The Crypsis Group works with our clients and their internal teams to quickly and efficiently identify, contain, and eradicate threats, saving them money and limiting the time of exposure attackers have to mine data from their networks.

Services include:

- **Digital Forensics:** Identify the root cause of an incident by peeling back evidence layers to understand the scope of the compromise.

- **Log Analysis & Enterprise Wide Sweeping:** Verify unauthorized access and determine the vulnerabilities exploited and methods used.

- **Malware Analysis:** Develop custom intelligence and deploy signatures to hunt for malware throughout the organization.

- **Breach Coaching:** Leverage the experience of former CISOs who have experienced a data breach to provide guidance through the incident.

Risk Management

While the possibility of a cyber attack is always present, there are measures organizations can take to minimize the damage motivated attackers can cause in their networks. The Crypsis Group leverages our experience responding to data breaches to provide our clients risk management services that deliver practical security guidance. We focus on educating non-technical stakeholders on potential risks while working with technical teams to assess and optimize security policies, procedures, and technologies to strengthen the overall security posture of organizations.

Services include:

- **Advisory Services:** Leverage industry leading experts to help guide your security organization and assist when you need help the most. Offerings include:
  — vCISO Program
  — Tabletop Exercises
  — Retainers

- **SecOps Consulting:** Build and outfit your security team with the tools they need to detect and respond to security threats. Offerings include:
  — Security Engineering
  — Threat Intel Management
  — Splunk® Engineering

- **Assessments:** Review your environment for security gaps or threats currently operating in your network. Offerings include:
  — Penetration Tests
  — Compromise Assessments
  — Breach Readiness Review

61%
Organizations who are unsure if they are prepared or know they are unprepared for a sophisticated cyber attack.

2015 Global Cybersecurity Status Report, ISACA

$7 Million
Average total cost of a data breach.

2016 Global Cost of Data Breach Study, The Ponemon Institute, 2016

$100 Billion
Annual cost of cybercrime to the US economy.

Net Losses: Estimating the Global Cost of Cybercrime, CSIS, 2014

Why Crypsis

✔ Breadth of Knowledge

Members of the Crypsis team have responded to and managed investigations of complex data breaches at global organizations across multiple industries. We have responded to data breaches of all shapes and sizes and are experienced at responding to compromises involving cloud-based applications and enterprise applications. We have experience responding to attacks by nation-state actors, insiders, and thieves looking to steal PII, PCI, and PHI data.

✔ Operational Expertise

We are operational security experts. We have stood up SOCs and run those operations. We know how to spot malicious threat actors and what to do to prepare for the worst. We understand that effective security programs improve the organization's security posture without compromising the functional needs of the business. We work with our clients to provide actionable and realistic recommendations to achieve those objectives.

✔ Perspective

We understand what our clients go through. A number of our consultants have been on the other side of data breaches, having lived through some of the largest commercial data breaches on record. We bring this perspective to each of our engagements, offering clients insights into how to deal with the components one must deal with when preparing for and managing an incident.

✔ 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.

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

703.570.4103 | info@crypsisgroup.com

www.crypsisgroup.com