



# Cyber Response Services

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KPMG in Malaysia

# Recent major cyberattacks/data leaks in Malaysia



Malaysia was identified in 2018 as one of the top three global hotspots for the launch of malware attacks, alongside Indonesia and Vietnam.

(Source: AT Kearney, 2018. Cybersecurity in ASEAN: An Urgent Call to Action)

Regardless of industry, location or organization size, no organization is immune to a security breach.



## Malaysia Telco Subscribers Data

- More than 46 million mobile subscribers' **data was stolen and leaked on to the dark web** on October 2017
- Some of leaked information include mobile numbers, phone serial numbers, IC numbers, and home addresses etc.



## Multimedia Company

- A multimedia company's **email server was infected by a ransomware** in November 2018
- The threat actors were demanding 1000 bitcoins (equivalent to RM27 million at that time) to restore the encrypted files



## Airline Company

- More than 28 million airline customers' **data leaked** on to the dark web on September 2019
- Some of leaked information include name, mobile numbers, passport numbers, and date of birth etc.



## Financial Institution

- One of the largest financial institution system's allegedly **hit by ransomware** on September 2019
- Financial institution experienced issues with its credit card payment system



**<sup>1</sup> Three out of five top risks for businesses in Malaysia are related to Cyber Security for next 10 years(From 2019).**

USD  
**12.2 Billion**

<sup>2</sup> Potential economic loss to Malaysia due to cyber attacks

USD  
**22.8 Million**

<sup>2</sup> Potential loss of a Malaysian large-sized organization due to cyber attacks. 630 times higher than mid-sized organization

**Is your organization prepared to respond to the sophisticated cyberattacks and adversaries of today?**

With cyber attackers becoming increasingly sophisticated and persistent, breaches in the security defenses of organizations are no longer a question of if, but when.

1. Marsh & McLennan Companies, 2018. 14 Shades of Risk in Asia Pacific: Evolving Risk Concerns in Asia-Pacific

2. Microsoft and Frost & Sullivan, 2018. Understanding the Cybersecurity Threat Landscape in Asia Pacific: Securing the Modern Enterprise in a Digital World

# Why engage KPMG's Cyber Response Services

KPMG's experienced cyber team employs over 3,500 Cyber Security, Cyber Response and Forensic Technology professionals worldwide. Our market-leading cyber response practice provides comprehensive end-to-end services globally and is well positioned to aid organizations who are preparing for, responding to, and learning from cyber security incidents to minimize risk.

We advise leading organizations to effectively manage and protect their most valuable data across a broad spectrum of evolving threats and scenarios in all forms of cybercrime including: insider threats, data breaches, hacktivism, advanced persistent threat-style intrusions by highly motivated adversaries.

## Our service offerings

Our service offerings are segmented in three stages: **preparation**, **detection**, and **response**.

### 1 Preparation

Services are aimed to help organizations understand and prepare for potential cyber-attacks. Services include:

- Tabletop/Cyber Crisis Management Exercise
- Cyber Attack/Incident Simulation
- Interactive Red team and Blue team exercise
- Incident Response Maturity Assessment
- Incident Response Training
- Incident Response Program Development
- Threat Advisory

### 2 Detection

#### Compromise Assessment

Services aim to identify ongoing or past intrusions, assess risk by identifying weaknesses in security architecture, vulnerabilities, improper usage or policy violations and system security misconfigurations and increase the ability to respond effectively to future incidents.

#### Threat Hunting

Assist organizations in proactively searching for cyber threats that are lurking undetected in a network. Threat hunting digs deep to find malicious actors in environments that have slipped past endpoint security defenses.

### 3 Response

#### Incident Response Retainer

We offer a choice of incident response retainer services that ensure highly-skilled incident response consultants are ready to support organizations in any known or suspicious breaches. This service covers Containment and Investigation, Recovery and other relevant phases where necessary. As an added benefit, incident response engagements can feed seamlessly into forensic investigations and cyber security enhancements to help your organization prevent the re-occurrence of a future incident.

#### Evidence Preservation

Digital evidence is information stored or transmitted in binary form that may be relied on in court. Preserved evidence can help solve cases and bring down the cybercriminal. Not only do we preserve digital evidence, we also secure evidence from being tampered with and ensure it can be adduced in court.

#### Digital Forensic investigation

Our professionals are equipped with expert technical skill who can isolate, identify and expose, forensically sound evidence from all types of electronic device and networks. We have the expertise to assist with the identification of "lost" data on an encrypted drive and attempts to identify compromised data in a network.

#### Digital Evidence Recovery

In some cases, evidence needed or required for investigation is stored on a hard disk distributed and marked with characteristic names and extensions on appropriate locations. However, in cases where cyber criminals delete incriminating evidence, we can recover and fully analyze the digital evidence.

**Contact us for a consultation today.**

## Key differentiators:

- KPMG responds quickly to your needs;
- KPMG is part of a reputable, global network of member firms;
- KPMG's global reach is wide-ranging with investigation coverage for multinational companies;
- KPMG provides on-demand malicious code analysis, host- and enterprise-based forensics, network forensics, threat intelligence, and expert testimony;
- KPMG is independent and not tied to any tool or software vendor;
- KPMG is driven by our experience with similar organizations and our confidence in our ability to provide value-added assistance;
- KPMG can temporarily deploy our enterprise forensic tool licenses in your network if existing capabilities do not already exist;
- Recognized by Forrester as one of the most notable incident response providers.\*

\* Source: Forrester Vendor Landscape: Incident Response Providers, December 2016

## About KPMG's Cyber Response Services

KPMG's Cyber Response team in Malaysia work within an extensive network of KPMG member firms around the world. Leveraging on the experience of over 3,500 cyber professionals globally, KPMG is a preferred provider of Cyber Response Services to many organizations, helping to develop the tools and methodologies used to combat cyber crime on a daily basis.

Our professionals have experience working on all forms of cyber crime, including insider threats, data breaches, hacktivism, and advanced persistent threat-style intrusions by highly motivated adversaries. Our services include a variety of strategy and investigation offerings to support your needs.

## Contact Us



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