# Deloitte.

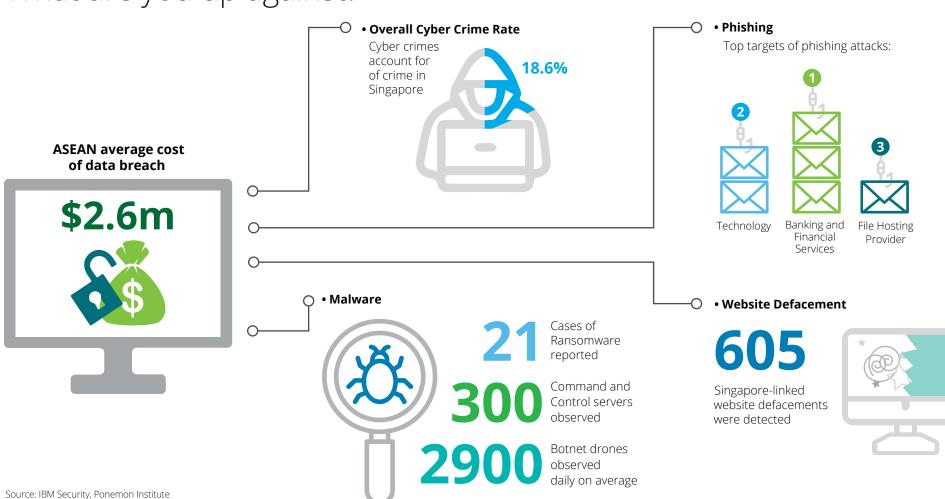
Monetary Authority of Singapore (MAS) Notice on Cyber Hygiene Assessment - How we can help you

April 2020



## **Singapore Cyber Threat Environment**

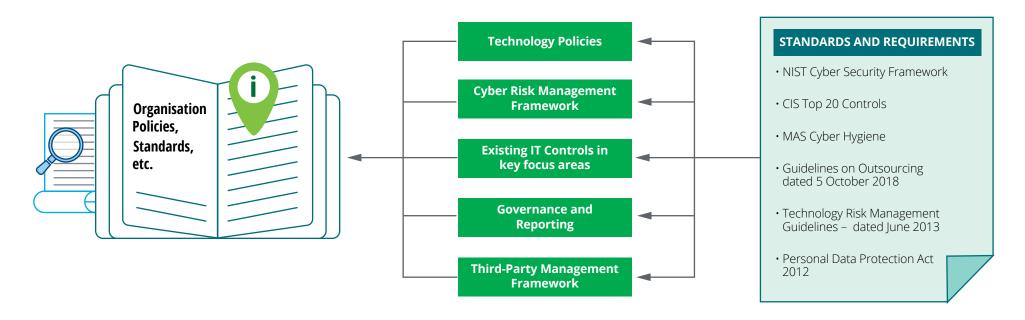
What are you up against?



### Introduction

## Singapore Financial Institutions Technology and Cyber Regulatory Landscape

The regulatory landscape for Financial Institutions, specifically for Technology and Cyber has been rapidly evolving in the past 2 years. Given updated requirements, organisations are looking to leverage industry standards to set the base benchmark and tweaked to meet other regulatory requirements. The common industry standards used are NIST Cyber Security Framework, Centre for Internet Security (CIS) Top 20 Controls and ISO 27001.



## **MAS Notice on Cyber Hygiene**

On 6 August 2019 the Monetary Authority of Singapore (MAS) issued a set of legally binding requirements to raise the cyber security standards and strengthen cyber resilience of the financial sector. The Notice on Cyber Hygiene sets out the measures that financial institutions must take to mitigate the growing risk of cyber threats. The "Notice" prescribes six cyber hygiene practices applicable to banks, insurers, capital markets services license holders, designated payment system operators, and settlement institutions.



#### 4.1 Administrative Accounts

A relevant entity must ensure that every administrative account is secured to prevent any unauthorized access or usage.



#### 4.4 Network Perimeter Defence

A relevant entity must ensure the implementation of controls at the network perimeter to restrict all unauthorized network traffic.



#### **4.2 Security Patches**

A relevant entity must ensure that security patches are applied within a defined timeframe and mitigating controls are in place for systems that cannot be patched.



#### 4.5 Malware Protection

A relevant entity must ensure that one or more malware protection measures are implemented on every system, to mitigate the risk of malware infection, where applicable.



#### 4.3 Security Standards

A relevant entity must ensure that there is a written set of security standards for systems and that systems are tested to ensure compliance to the security standards.



#### 4.6 Multi-factor Authentication

A relevant entity must ensure that multifactor authentication is implemented for all administrative accounts and all accounts on any system used to access critical information from the internet.



<sup>\*</sup>The effective date of 6 August 2020, does not apply to cyber hygiene practice 4.6 Multi-Factor Authentication for the period between 6 August 2020 and 5 February 2021 (dates are inclusive).

### **Our Offering**

### How can Deloitte be of assistance?

The Deloitte Cyber Hygiene Assessment offering includes a two-part assessment encompassing core compliance assessment and a technical compliance assessment against the six defined cybersecurity practices with mitigating recommendations to accompany each identified gap or finding. We have structured our approach to assess the design and operating effectiveness of the cybersecurity countermeasures implemented throughout our client's network environment.

#### Based on the client's need, Deloitte offers the following types of services: **Core Compliance Assessment Technical Compliance Assessments (Optional)** Phase 1: Phase 2: Phase 3: Phase 4: Assessment & Analysis (Optional) Discussion & Confirmation **Recommendations & Reporting Objective:** Understand the current **Objective:** Define the target state **Objective:** Perform technical assessment **Objective:** Identify specific state of compliance of compliance against the six defined recommendations to address gaps in requirements existing processes **Key Activities Key Activities** Assess current technical controls **Key Activities Kev Activities** Interview business and technical • Define technical recommendations and prioritize • Determine target state of cyber • Define recommendations and stakeholders and review relevant based on gaps documentation to understand capabilities to comply with regulatory prioritize based on the gaps existing cyber capabilities and industry best practices for Cyber Hygiene requirements • Document current state of people, process and technology controls in Discuss identified observations and

#### Deliverables

areas.



Current state analysis

• Validate clients understanding of compliance in relevant capability

relevant capability areas



Target state analysis and confirmed observations

confirm factual accuracy



Confirm observations



Technical assessment report and recommendations

\*The estimated effort to complete depends on the scope and complexity of the client's environment.

### Contact us

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