

Cyber-Safeguard Awareness Programme

C-SAP (v2018/07)

- User Awareness
- Simulated Attack
- User Workshop
- Incident Updates

2018

Thinking like your enemy....

Hackers say: "Let's hack the man, not the IT".

Most of data breaches are caused by Humans...

- "Most serious personal data breach" in Singapore: - **The personal information of 1.5 million people were stolen in a cyberattack on SingHealth's database.** It has been established that the attackers accessed its IT system through an initial breach on a front-end work station.
July 2018
- **380,000 Uber users hit in Singapore's largest data breach.** Its developers' private account on the site was compromised as a result of human carelessness. *Dec 2017*
- There was a **breach of 52 staff accounts across four local universities such as NTU, NUS, SMU & SUTD,** said the Cyber Security Agency (CSA) of Singapore and Ministry of Education (MOE). The incident was a phishing attack where staff members were directed to key in their login details on a website designed to obtain their credentials.
Apr 2018
- There was an increase in all forms of cyber threats last year, with **Phishing Attacks topping the list and surging by almost 10 times,** according to the latest annual report by the Cyber Security Agency of Singapore (CSA). *Jun 2018*

We have invested so much money in cyber security. Can you guarantee we will not be hacked?



Stakeholders

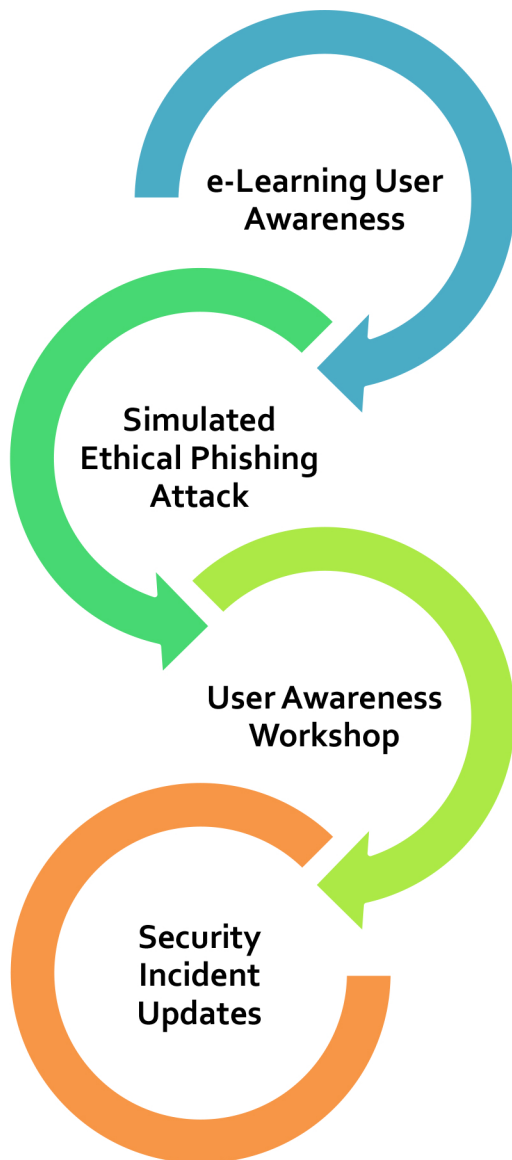
Sorry. I can't.



CIO

It is because HUMAN is the weakest link in cyber security.

4-Step-Tailored-Programme



1. e-Learning User Awareness

- Raise the overall **IT Security Awareness level** in the organisation based on *Key Principles of the Information Security Policies and Standards Manual* and *MAS* Technology Risk Management Guidelines and Notices*. (*Monetary Authority of Singapore)

2. Simulated Ethical Phishing Attack

- Assess the effectiveness of your company's cyber security outreach program
- Develop and conduct **tailored** phishing exercises on **different scenarios** (*Click-Only, Attachment-Based, Data Entry, etc*)
- Provide full analytics report and recommendations to benchmark your performance against others organisations

3. User Awareness Workshop

- Demonstrate why you are a target for cyber-attacks and how attackers will seek to target you as a way to steal sensitive data or funds.
- The results of phishing exercises are used as **illustrative case studies** to bring home the urgency of cyber awareness.

4. Security Incident Updates

- Latest updates on Cyber Security Alert from:
 - **industries** (*Ransomware, New Vulnerabilities, etc.*)
 - **government agencies** (*Monetary Authority of Singapore, Cyber Security Agency of Singapore, Ministry of Health, etc.*)

"If you spend more on coffee than on IT security, you will be hacked. What's more, you deserve to be hacked." Richard A Clarke

- former National Coordinator for Security, Infrastructure Protection and Counter-terrorism for the United States.

Cyber-Safeguard Awareness Programme (C-SAP)



What if data is breached...?

1. An organisation or person that commits an offence under section 51(3)(b) or (c) of the **Personal Data Protection Act** is liable to:
 - in the case of an individual, to a fine not exceeding \$10,000 or to imprisonment for a term not exceeding 12 months or to both; and
 - in any other case, to a fine not exceeding \$100,000.

Under the Act, organisations that fail to protect consumers' personal data can be fined **up to \$1 million per breach.**

Reference: <https://www.pdpc.gov.sg/Organisations/Enforcement-Matters/Personal-Data-Protection-Breaches>

2. Non compliance to the **MAS Technology Risk Management Notice** can result in:
 - Financial Penalties.
 - Reputational Damage.
 - Revocation of licence to operate in Singapore.

Reference: <http://www.mas.gov.sg/Regulations-and-Financial-Stability/Regulatory-and-Supervisory-Framework/Risk-Management/Technology-Risk.aspx>

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*Focus on Risk,
Compliance will follow.*

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