

**We Need to protect our Data
Better!**

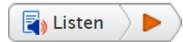
How Should CSP do it?

Pre-Reading Deck

Common Cyber Attacks

- Ransomware; Also involves data leaks
- Data breaches (APTs and insider threats)
- Financial frauds (Business Email Compromise- BEC)
- Denial of Service (DOS & DDOS)

Current cyber landscape related to COVID19



Global and Local Ransomware Trends 2020 Q1-Q3

Published on 17 Nov 2020
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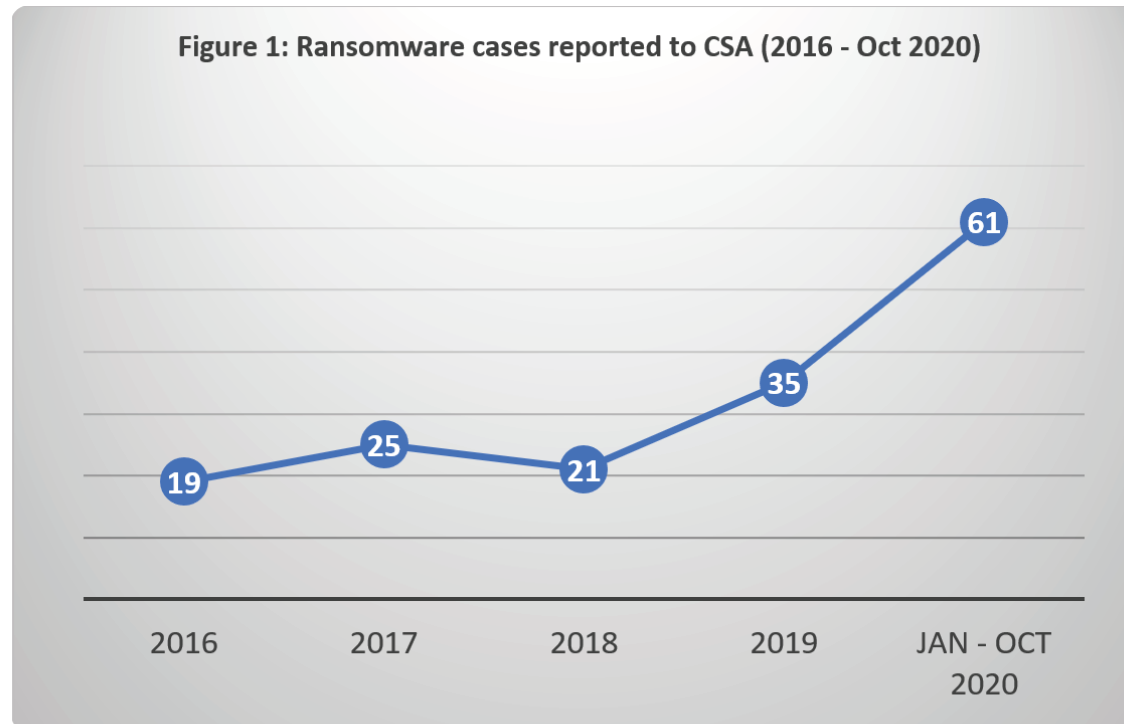


Figure 1: Ransomware cases reported to CSA (2016 – Oct 2020)



<https://go.gov.sg/csa-global-local-ransomware-trends-2020-q1-q3>

Known Security Incidents of SMEs

Breach of the Protection Obligation by

Non Profit Organization

16 Oct 2020

A financial penalty of \$5,000 was imposed on [redacted] for failing to put in place reasonable security arrangements to protect the personal data of its members and non-members from unauthorised disclosure. The incident resulted in the personal data being subjected to a ransomware attack.

Click [here](#) to find out more.

Tags: Protection, Financial Penalty, Others, Ransomware, No measures

Breach of the Protection Obligation by

F and B Industry

02 Aug 2019

A financial penalty of \$16,000 was imposed on [redacted] for failing to put in place reasonable security arrangements to protect personal data of its employees. The incident resulted in the data being subjected to a ransomware attack.

Click [here](#) to find out more.

Tags: Protection, Financial Penalty, Accommodation and F&B, Food, F&B

Breach of the Protection Obligation by

Recruitment Agency

09 Jan 2020

A financial penalty of S\$5,000 was imposed on [redacted] for failing to put in place reasonable security arrangements to protect personal data of its clients. The incident resulted in the data being subjected to a ransomware attack.

Click [here](#) to find out more.

Tags: Protection, Financial Penalty

Breach of the Protection Obligation by

Hospitality industry

11 Feb 2020

A financial penalty of \$16,000 was imposed on [redacted] for failing to put in place reasonable security arrangements to protect the personal data of its customers. The personal data was subjected to a ransomware attack.

Click [here](#) to find out more.

Tags: Protection, Financial Penalty

Simplifying Cyber Security

SEVEN

6 ESSENTIALS TO BE SAFE ONLINE

As a business enabler, cybersecurity should not be an afterthought. Especially since cyber-attacks are **no longer a matter of if, but when** – even for SMEs. Strengthen your organisation's cyber defence now by adopting these 6 Essentials from the Cyber Security Agency of Singapore.

ESSENTIAL

1 Know Your Assets

Identify and understand the cyber components of your organisation, so as to prevent and detect unauthorised access to those assets.



ESSENTIAL

2 Allow Only Authorised Software To Work

Implement application control integrated with antivirus, so as to allow only authorised software to work.



ESSENTIAL

3 Timely Patching and Updating

Patch and update your operating systems, firmware and applications in a timely manner to reduce system known vulnerabilities thereby minimising exploitative attacks.



ESSENTIAL

6 Access Control

Ensure authorised access only, by implementing multifactor authentication.



ESSENTIAL

5 Detect Breaches Promptly

Detect breaches as soon as possible by setting up continuous monitoring with enabled audit trails/security logging.



ESSENTIAL

4 Giving The Right Admin 'Passes'

Restrict administrator privileges so as not to give attackers privileged rights to compromise systems.



ESSENTIAL

"PLUS"



7 Encrypt Your Crown Jewels

Encrypt classified or sensitive information to prevent exfiltrated data to be accessible by adversaries.

Scan to download full handbook



<https://go.gov.sg/bsol-handbook>

ABCD and IMDA Go Digital Program

- ABCD is a Pre-Approved solution under SME Go Digital
 - <https://govassist.gobusiness.gov.sg/productivity-solutions-grant/itsolution/it/>
 - Under Pre-Scoped IT Solution -> IT -> Managed Detection and Response
- Productivity Solution Grant (PSG)
 - Funding up from 80%
 - <https://govassist.gobusiness.gov.sg/productivity-solutions-grant/>



<https://go.gov.sg/imda-psg-itsolution>

Thank You