CYBER LAW AND THE COVID-19 PANDEMIC

International Students Colloquium on Law and Development in the Era of the Pandemic

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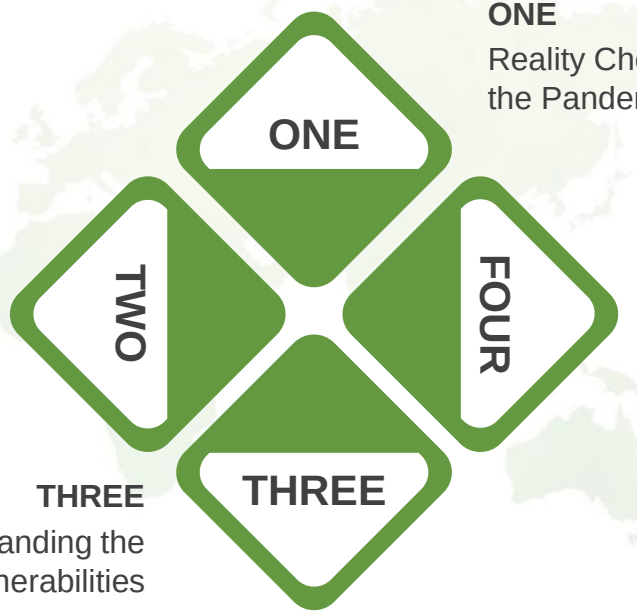
PRESENTATION OUTLINE

ONE
Reality Check on the Pandemic

TWO
Responses to a Health Concern



FOUR
Concerns and Strategies

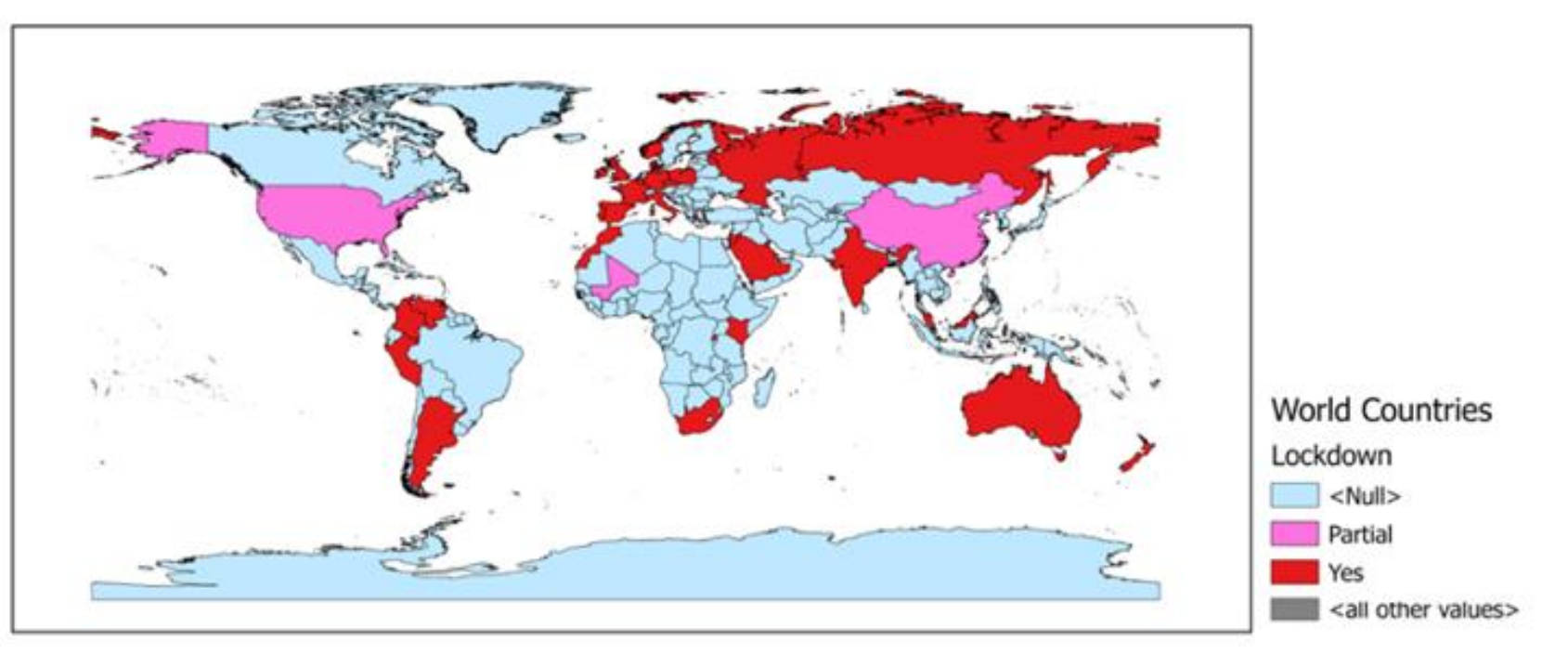
THREE
Understanding the Vulnerabilities

MONTHS INTO THE PANDEMIC CRISIS

A Reality Check

1. **Health Risks** — **60 million** infected; **1.4 million** deaths in **214** countries & territories since December (WHO)
2. **Lockdown** — Governments around the world impose **lockdown, isolation or quarantine order**
3. **New Normal** — Work, Learn, Shop, Meet **from Home**
4. **Lifestyle** — **Physical distancing** and its Ramifications
5. **Vulnerabilities** — Social, Technical, Trusts, Governance **Vulnerabilities**

GLOBAL LOCKDOWN MEASURES PER APRIL 2020

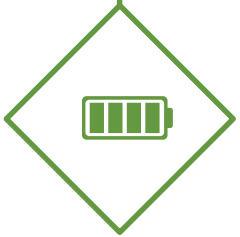


RESPONSES TO THE PANDEMIC

Massive responses to the Pandemic had depleted the existing resources

Lockdown Deployment

Governments deploys police and military forces for movement restriction, lockdown, surveillance, curfew, quarantine and border control



Massive Campaign

The effort requires active participation of all segments of public. Covid-19's threat is a bottom-up process, not a top-down one.

Public spending

Massively required for medical treatment, public screening, medical research, public awareness, economic stimulus, forces deployment as ell as other contingencies

EMERGING RISKS

Data exploitation through illicit requests of personal data for online services, Apps, etc;

Fraud and scam via fake accounts begging for donation, fake charities, etc.

Misinformation: Rise of citizen news portals with unaccountable stories – a test-bed for phishing attacks.

Unsecured online platforms prone to personal data breaches (online shopping, online meeting, social media, etc).

Rise of private surveillance

Technical Vulnerabilities

Critical system and infrastructures are at stake as they become a hot pot for both security and public health management system.

Window for Cyber Criminals?

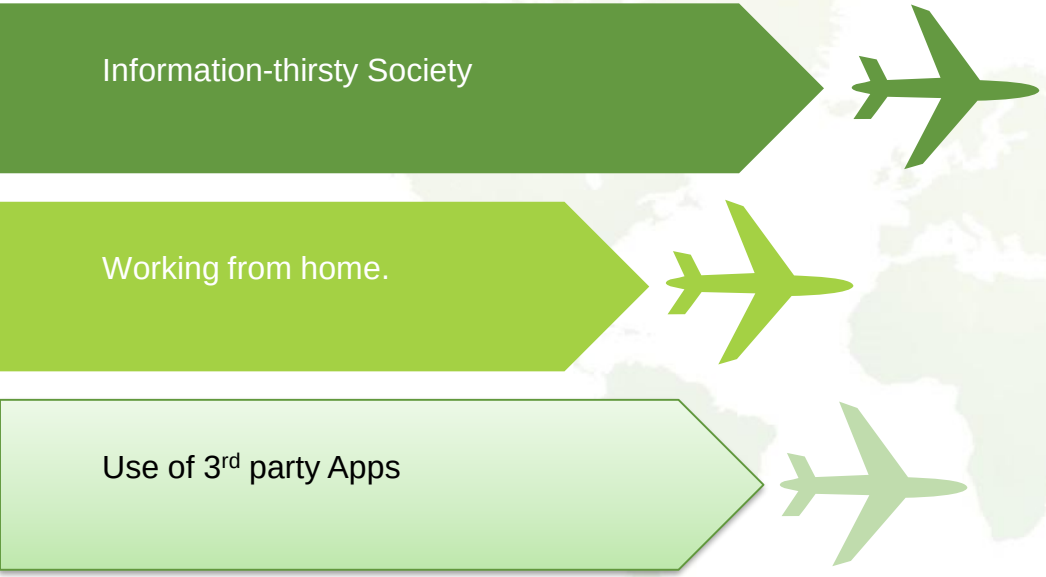
We witness how malicious minds potentially used this Covid-19 crisis as a window to exploit our vulnerabilities.

Critical Infrastructure Protection

The concept of national critical infrastructure need to be relooked so as to accommodate this threat to national and public health as one critical security objectives.

VULNERABILITIES OF THE INFORMATION SOCIETY

A Window for Cybercriminals?



People tend to collect information about the Pandemic, click on links and web pa ges, spreading the information with poor exercise of fact-checking

People work on official documents using home-based computers, not subject to a security protection and support as they have in office.

Apps for social networking, e-shopping, e-meeting, e-learning and cloud service s are mushrooming and widely used, bu t may not adequately equipped with rigo rous security and privacy measures or p olicies.

Tips to stay safe online

Working from home

> Update all systems including Virtual Private Networks (VPN) with the latest
ches
loyees about
attempts.
gging in to your work environment using public Internet Wi-Fi. Connect through your home or mobile network data.
> Enable Multi Factor Authentication.

Covid-19 scams

> Always verify information from emails, text messages and social media posts about Covid-19.
> Do not share personal or financial information in emails
> Do not click on suspicious links provided to you on Covid-19, verify with the sender or agencies that can help.
> Use legitimate, government websites for up-to-date, fact-based information

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Cybersecurity cases rise by 82.5%

FOCUS

Sunday, 12 Apr 2020

By YUEN MEIKENG

MORE people are online now – be it for business, education, entertainment, socialising or working from home due to the movement control order (MCO).

But the higher usage of technology also means bigger risks of running into cyberthreats

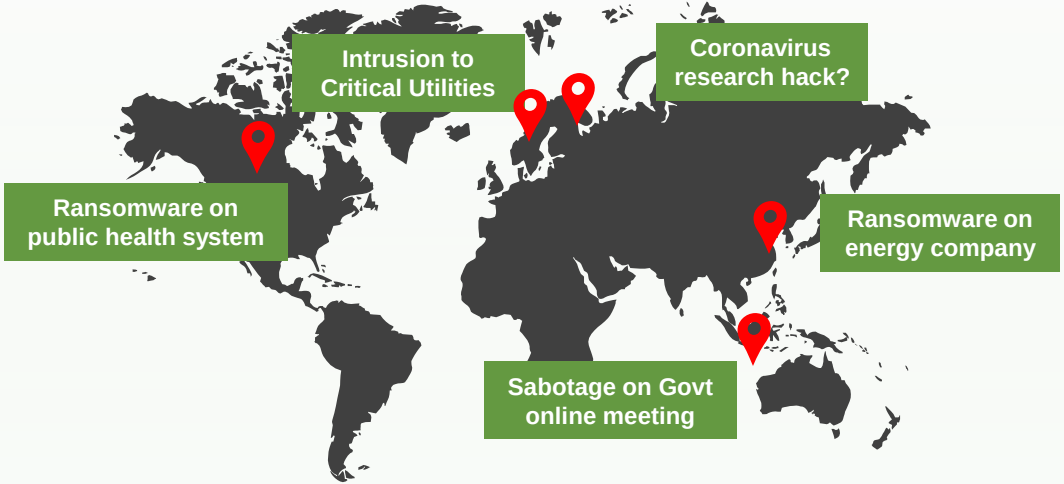
About 352 accounts on the video conferencing app Zoom were compromised on Wednesday, including a healthcare provider in the US and seven educational institutions.

There has yet to be any report on hacked Zoom accounts from Malaysia.

CyberSecurity MALAYSIA
An agency under MOSTI

EXPLOITATION OF CYBER INFRASTRUCTURE (CIIP)

What had happened in the Cyberspace during Covid-19 Crisis?



Terrorists and cybercriminals are always interested to exploit cyberspace vulnerabilities. The activity of cyber terrorism does not relax during Covid-19. Several cyber attacks do target a critical information infrastructure (CII), a traditional target for cyber terrorism.

ACTIVATE OUR CYBERLAWS

LAW AGAIINST COMPUTER MISUSE

Criminal laws against illegal intrusion, Unauthorised modification, computer sabotage, interception, etc

PERSONAL DATA PROTECTION LAW

Laws to protect online privacy, personal data misuse, unauthorised data collection, breach of data security, etc.

LAW AGAINST CYBER FRAUD

Online fraud, impersonation, social media hijacking, identity theft, online payment scam, etc.

CYBER SECURITY LAW

Laws to protect and encourage encryption, data security breach notification, data due diligence, cyber-terrorism law, etc.

E-COMMERCE LAW

Laws to protect online contract, electronic transaction, online payment methods, e-commerce consumer protection, mediation, etc.

WHERE TO START?

Understanding the vulnerabilities, Taking right actions

- Strengthen the Leadership & Governance
- Enhance social awareness
- “Distributed Security”
- Public-private Partnership

THANK YOU

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