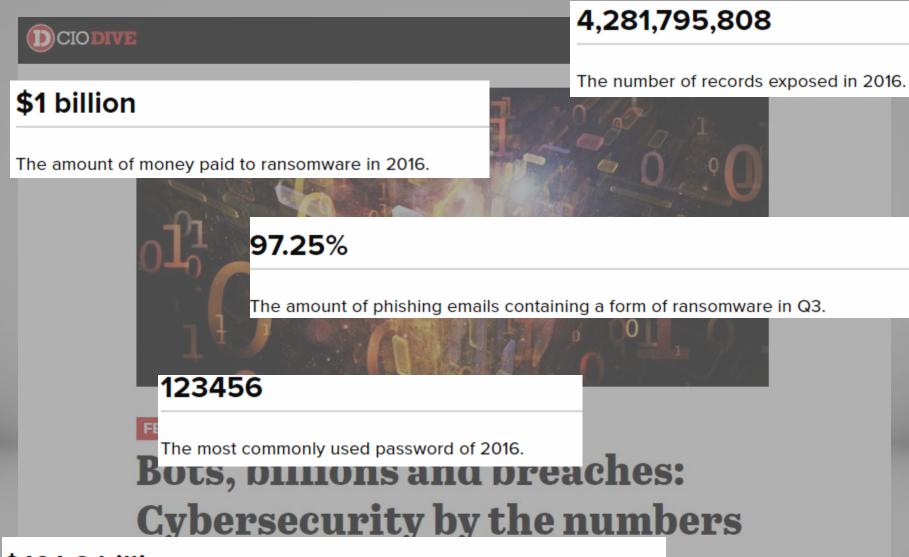


Cyber Security Situation 2016 Review



\$101.6 billion

The amount of revenue expected from security-related spending by 2020.

Current approach



Commissioner's Operational Priorities 2012 - 2017



Cyber Security Incidents

News > UK > Home News

NHS trust hit by cyber attack cancels operations and asks patients not to come to hospital 'unless it is essential'

NHS Lanarkshire warns patients they could be sent away as attack continues

Lizzie Dearden Home Affairs Correspondent | @lizziedearden | Saturday 26 Au











One of the First Commercial Bank branches in Taiwan where the ATMs were attacked by hackers. Photo: Facebook Home > Hong Kong > Local Jul 13, 2016 2:21pm

HK banks strengthen ATM security after Taiwan cyber heist

Like 45 people like this. Be the first of your

Local banks have stepped up the security of their automated teller machines following a daring cyber heist in Taiwan last week in which hackers were able to steal more than NT\$70 million (US\$2.17 million) from dozens of ATMs on the island, the Hong Kong Economic Journal reports.

Cyber Security Incidents

Two Hong Kong travel agencies apologise as hackers demand payment for stolen customer data

They are the second and third agencies to fall victim to such cyberattacks this week, on the back of a similar case last November

PUBLISHED: Thursday, 04 January, 2018, 10:17am UPDATED: Thursday, 04 January, 2018, 9:58pm





Man, 30, held over hacking attacks on two Hong Kong travel agencies

Officers raid IT worker's flat on Cheung Chau and also seize two desktop computers, two laptops, one tablet, three hard disks and five mobile phones

PUBLISHED : Monday, 08 January, 2018, 2:54pm UPDATED : Monday, 08 January, 2018, 10:32pm



Cyber Threats

Common types of Cyber Attack



Phishing Email/ Website

Email Scam

Company A



Company B



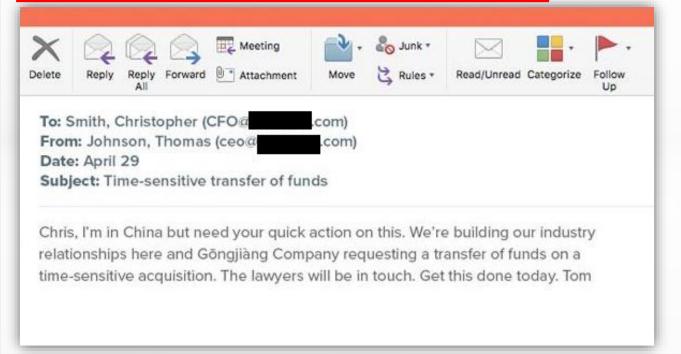




CEO Email Scam



Requested the CFO to make a fund transfer



Cyber Threats

Common types of Cyber Attack

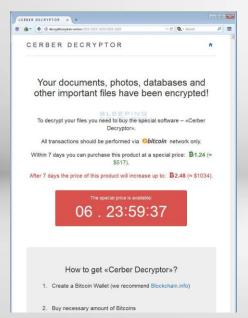


Malware/ Ransomware

Ransomware







Cerber

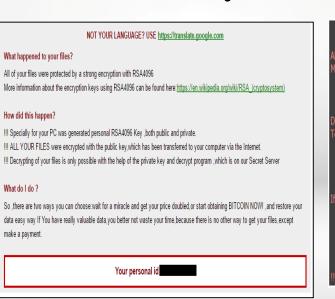


WannaCry

How did this happen?

What do I do ?

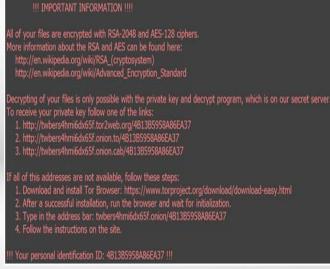
make a payment



CryptXXX V3.0



Jigsaw



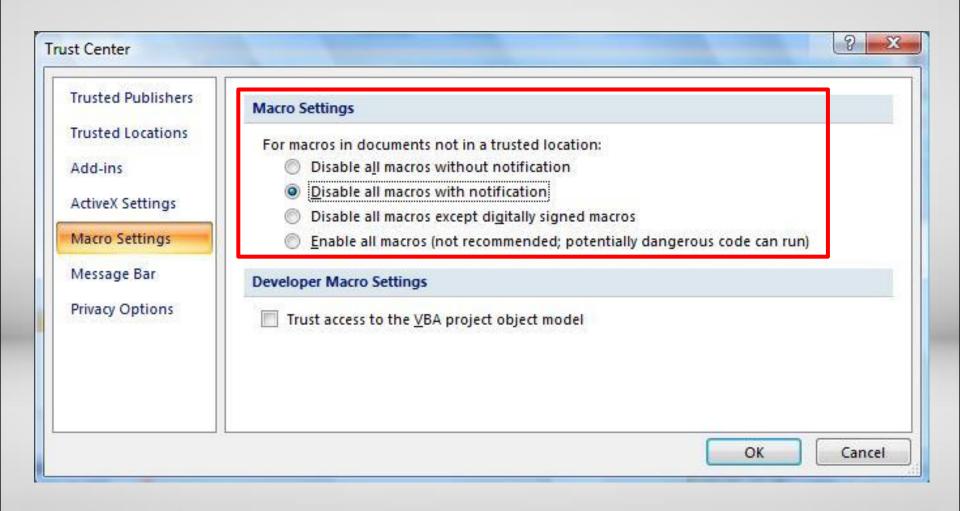
Locky

Suspicious Attachment

- 1. summary.exe, quotation.rar, payment.js
- 2. summary.doc, quotation.xlsx, statement.ppt



Disable Macros



Mitigation

- ➤ Unplug the power
- Disconnect the infected terminal from network
- ➤ Remove external storage devices from infected terminal
- > Retain sample for analysis

Regular Backup

- > Offsite backup
- > Online backup





Management Solution

- > Access Control
- > Device Management
- >Awareness of Staff
- >Incident Response Mechanism



Prevention and Engagement Strategies

- Anti-Botnet Operation
 - https://www.cybersecuritycampaign.com.hk/
 - Objective is to build a Botnet free city



Thank You