

OVERVIEW OF CYBER THREATS IN 2017

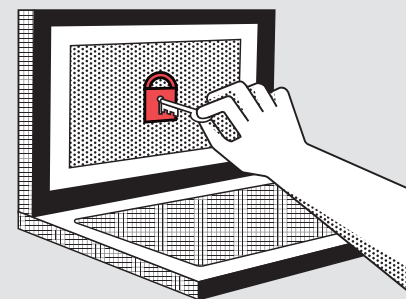
As a highly-connected country, Singapore's cyber landscape mirrors global trends. These facts and figures – likely only the tip of the iceberg – highlight the challenges in cyberspace that we need to tackle together.

GLOBAL INCIDENTS

Mass defacement of 2 million WordPress websites due to unpatched vulnerability

WannaCry ransomware hits 200,000 victims in over 150 countries

NotPetya ransomware targets Ukraine; spreads globally



Over 140 million customers exposed by Equifax data breach

All 3 billion Yahoo accounts hit in 2013 data breach

Bad Rabbit ransomware affects systems in Russia and Eastern Europe

Triton malware threat to industrial control systems

Jan

Feb

Mar

Apr

May

Jun

Jul

Aug

Sep

Oct

Nov

Dec

SINGAPORE INCIDENTS

Details of 850 personnel stolen in breach of MINDEF's I-net system

NUS & NTU breached in APT attacks

Multiple website defacements

Personal data of 5,400 customers compromised in insurance company data breach

First conviction of Dark Web-related crime in Singapore

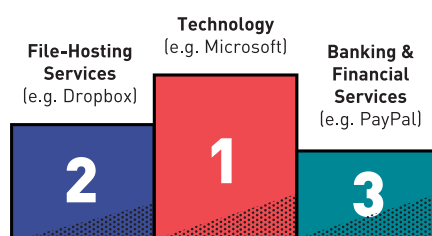
Uber's 2016 data breach affected 380,000 users in Singapore

Schools hit by ransomware

PHISHING

23,420 phishing URLs with a Singapore-link were detected.

Commonly spoofed websites:

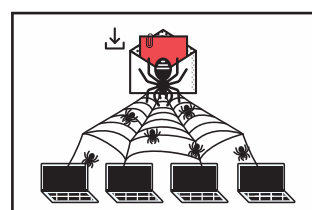


MALWARE

750 unique Command and Control servers were observed in Singapore.

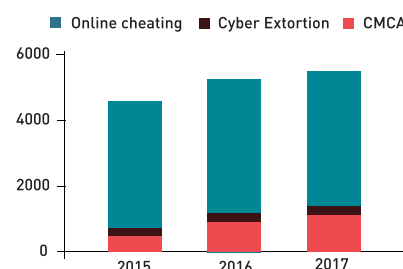
2,700 botnet drones (compromised computers infected with malicious programs) with Singapore IP addresses were observed daily, on average.

>400 malware variants were detected. Conficker, Mirai, Cutwail, Sality and WannaCry accounted for over half the observed daily infections.



CYBERCRIME

5,430 cybercrime cases accounted for 16.6 per cent of overall crime.



RANSOMWARE

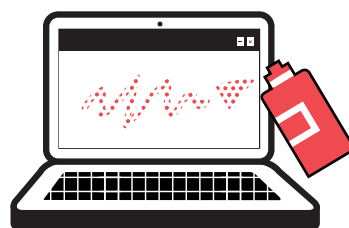
25 cases of ransomware were reported to SingCERT.



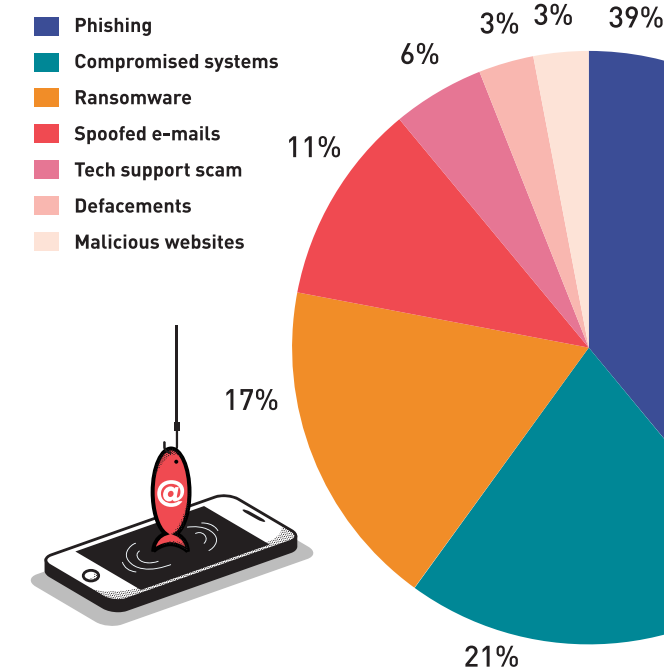
WEBSITE DEFACEMENTS

2,040 Singapore-linked website defacements were detected.

Main targets: SMEs from sectors such as manufacturing, retail, and information and communications technology.



TYPES OF THREATS REPORTED TO SINGCERT*



*Approximate percentages