NTT Security 2018 Global Threat Intelligence Report

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Insights Driven by data

Cybersecurity insights for protecting your digital business
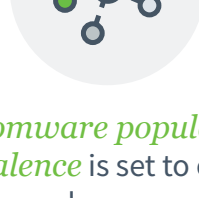
Top cybersecurity threats for digital business

Ransomware: the cybercriminals' weapon of choice

350%
Ransomware increased by 350% in 2017 representing 7% of total malware, up from 1% last year
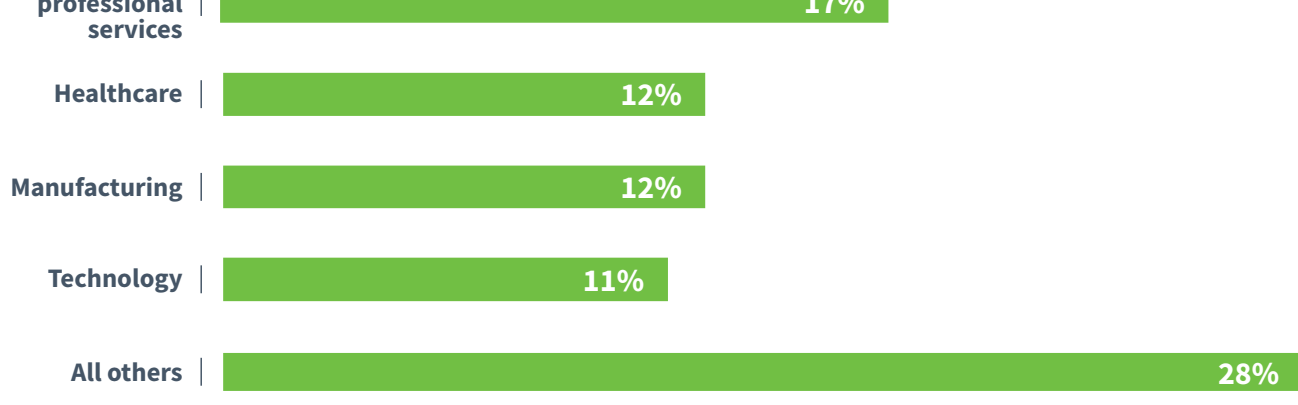
75%
75% of ransomware detected was Locky (45%) or WannaCry (30%)

Ransomware popularity and prevalence is set to continue, as cyber-adversary campaigns remain persistent and relentless

Ransomware targets

Gaming	20%
Business and professional services	17%
Healthcare	12%
Manufacturing	12%
Technology	11%
All others	28%

Establish a predictive environment with an appropriate disaster recovery plan that allows you to identify and isolate uncompromised critical data to ensure complete recovery.
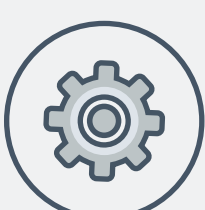
Supply chain risks catch digital businesses off-guard
Third-party supply chain risk management, adoption of best practice standards, risk frameworks, and assurance practices are critical.

IoT and OT in line of fire
Manufacturing ranked fourth for attacked sectors globally. With greater adoption of IoT, OT, and disruptive technologies in the sector, the attack surface has widened.

Improved awareness drives incident response maturity
Improvements in organisational capability maturity are enabling businesses to better respond to breaches. Finance and healthcare sectors most likely to seek outsourced assistance.

Attacks by type

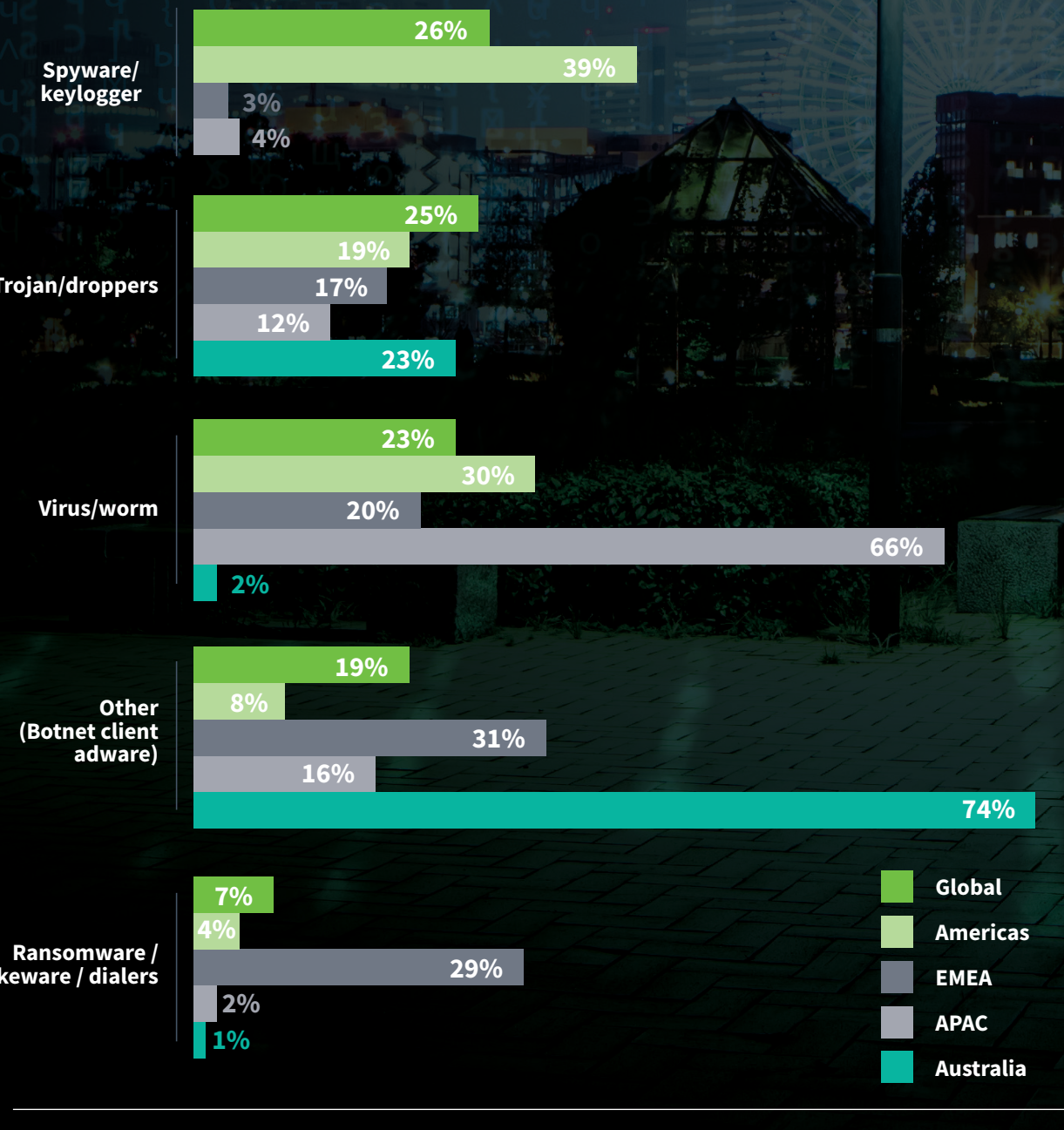*Spyware/key loggers, and Trojans/droppers were the most common malware types*

26%
Spyware/key loggers ranked first in volume of malware, at 26%

25%
Trojans/droppers ranked second globally at 25%

23%
Virus/worms were the third most common form of malware at 23%

	Global	Americas	EMEA	APAC	Australia
Spyware/ keylogger	26%	39%	3%	4%	
Trojan/droppers	25%	19%	17%	12%	23%
Virus/worm	23%	20%	20%	66%	2%
Other (Botnet client adware)	19%	8%	31%	16%	74%
Ransomware / fakeware / dialers	7%	4%	29%	2%	1%

Legend:
- Global
- Americas
- EMEA
- APAC
- Australia

Attacks by sector

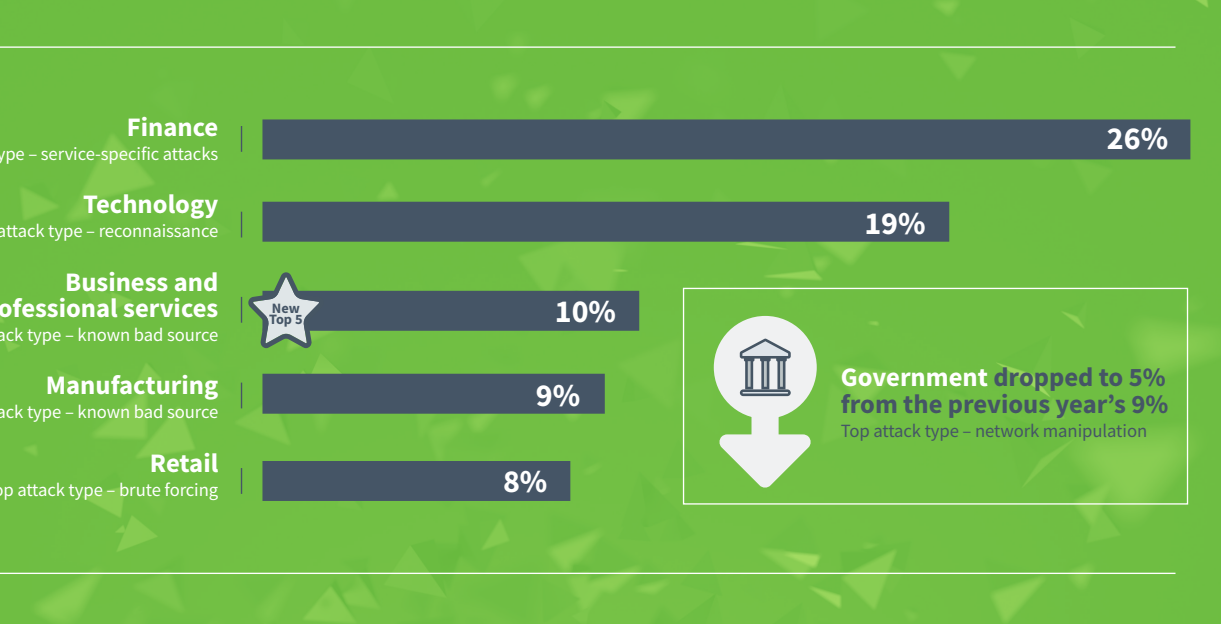*Finance tops the list with 26% of all detected attacks up from 14%*

The technology sector experienced a significant 19% of attacks - an increase of 25% volume over last year
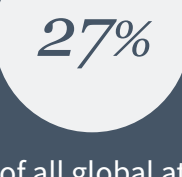
Business and professional services up to third position at 10%, first time in the top 5

Threat actors are lured by the opportunities to use these companies as a stepping stone to target their clients' proprietary information, trade secrets, and personal financial data.

Finance — Top attack type - service specific attacks	26%
Technology — Top attack type - reconnaissance	19%
Business and professional services — Top attack type - brute force/account	10%
Manufacturing — Top attack type - brute force	9%
Retail — Top attack type - brute forcing	8%

Government dropped to 5% from the previous year's 9%
Top attack type - network manipulation

Attack sources

27%
27% of all global attacks originated from IP addresses in the US - US has been the major source of hostile activity since 2013

Top attack sources were often located in the same region as their victims

An attack source's IP address does not always reflect the attacker's location

Global

US	27%
China	19%
The Netherlands	6%
France	4%
Germany	3%

Americas

US	39%
China	23%
France	3%
Russian Federation	3%
The Netherlands	3%

EMEA

China	24%
US	18%
United Kingdom	5%
Norway	4%
Germany	4%

APAC

US	31%
China	13%
Australia	10%
Romania	6%
The Netherlands	4%

Australia

US	34%
Australia	14%
China	13%
Romania	5%
The Netherlands	5%

NTT Security

2018 NTT Security Global Threat Intelligence Report

Global attack and incident response data gathered from NTT Security and NTT operating companies and research sources:

6.1 trillion logs analysed

150 million attacks

global honeypots and sandboxes in over 100 different countries

10,000 NTT clients worldwide

10 security operations centres (SOCs)

How can we help?

Cybersecurity Advisory
We help you design a security architecture that meets your evolving business needs.

Ransomware protection
Predictive cybersecurity protection to help you prevent, detect, and contain ransomware before it's too late.

Managed security services
We offer consistent services to manage and optimise your security infrastructure.

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