

Executive Guide to the NTT Security 2019 Global Threat Intelligence Report

Cybersecurity insights from the inside

Insights driven by data



Leaders are increasingly savvy about building long-term cybersecurity roadmaps.

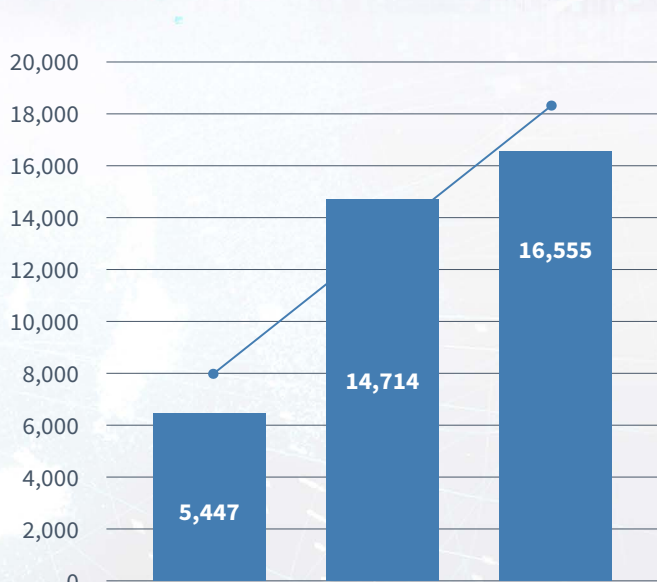


Maturity is lacking... ambitions outpace preparedness.



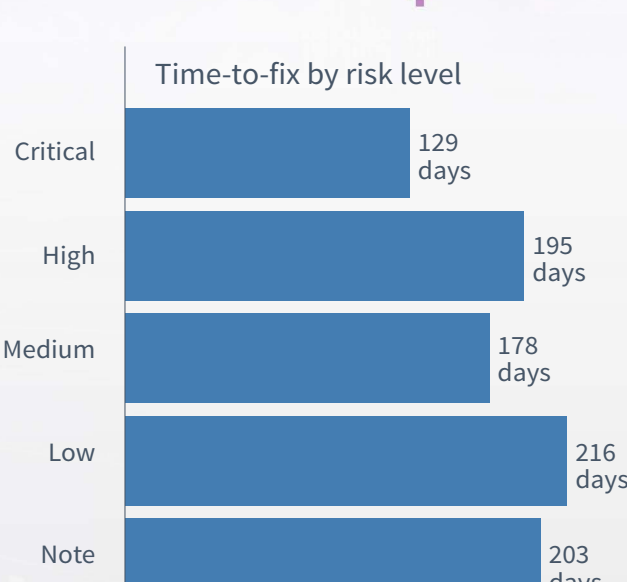
Cybersecurity is transformed by strategic relationships and the threat landscape continues to evolve...

2018 marked a record year for new vulnerabilities BUT cybersecurity maturity has a way to go.



Growth in vulnerabilities discovered compared to 2017

Source: CVE Details 2018



Time-to-fix vulnerabilities by risk level

Source: WhiteHat Security

Prioritisation

remains a challenge for development teams testing application security for fixing high risk vulnerabilities.

Surge in *vulnerabilities* shows weaponisation for use in adversarial campaigns and automated tooling.

Cryptojacking

'compute to cash' criminality catches multiple sectors off-guard and at times accounts for more detections than all other malware combined.

Web application attacks move up the stack for profit, access, and influence. Attacks double and expose dormant threats in older software.

Credential theft hands over the keys to the kingdom: data, applications, and cloud infrastructure targeted.

Compliance, data protection and privacy regulation

creates complexity and opportunity.

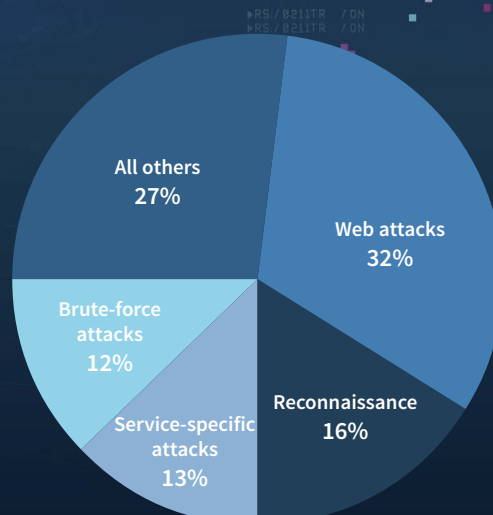
What kind of attacks?

73%



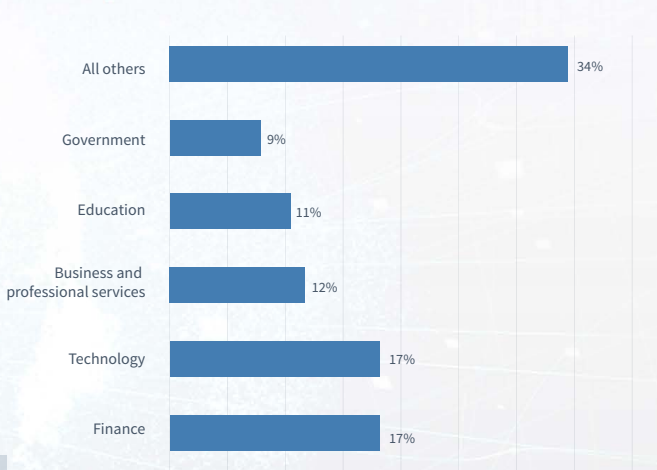
of all hostile activity falls into four categories:

- web attacks
- reconnaissance
- service-specific attacks
- brute-force attacks

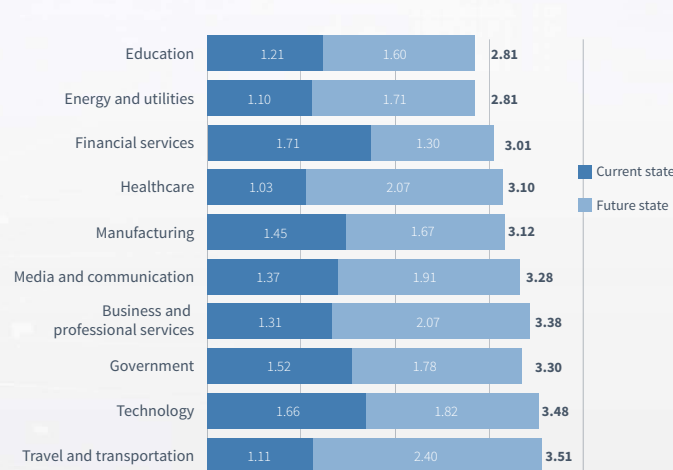


Targeted and prepared

Although attack targeting increased, there's enhanced appetite to invest strategically in driving cybersecurity defences.

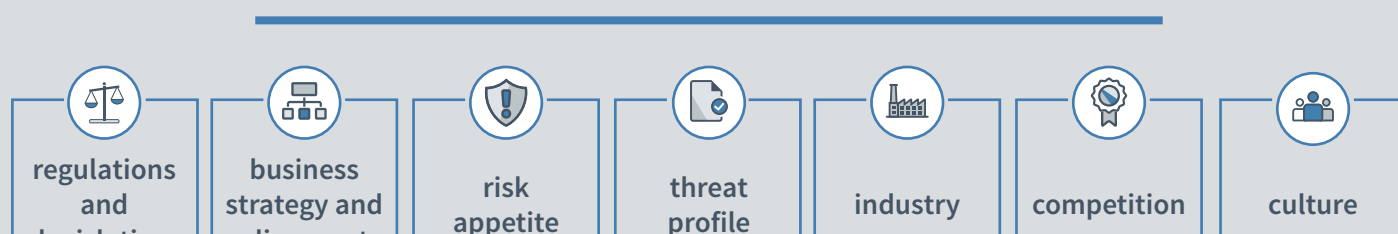


Global industry attack targets



Global industry maturity levels

Factors that influence investment decisions



Cybersecurity requires strong leadership and business alignment to drive change

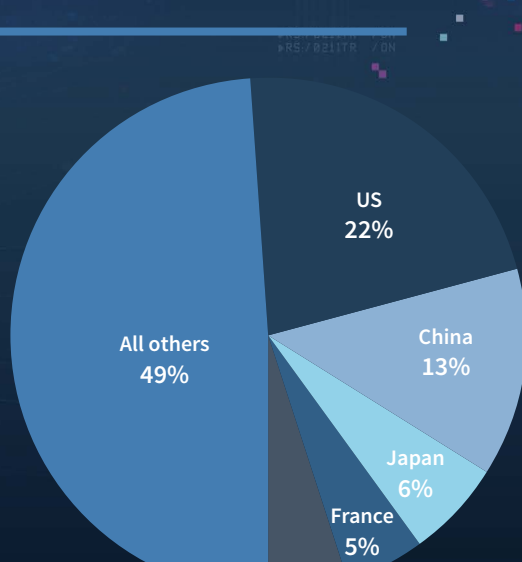
Where do attacks come from?

35%

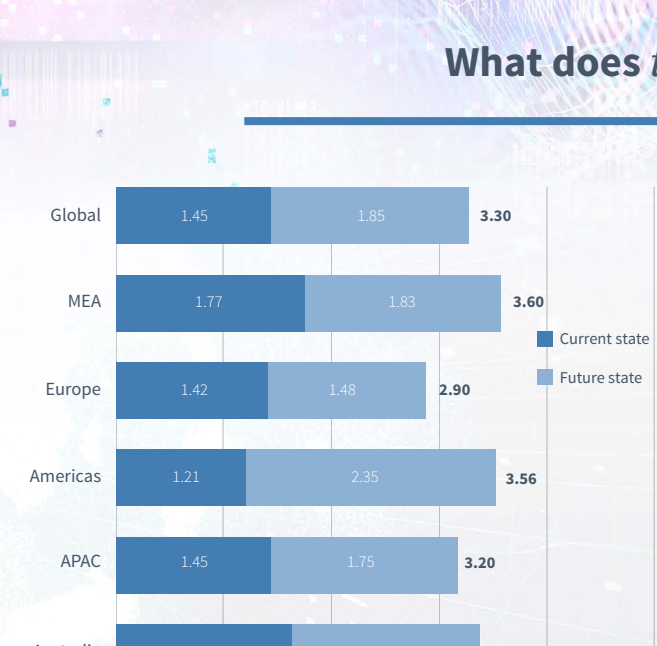


of all attacks originated from IP addresses within the US and China.

- Economic powerhouses' infrastructure is being used as a launchpad for attacks.
- An attack source's IP address does not always reflect the attacker's location.



What does the future hold?



Global maturity levels by region

Ambitions outpace preparedness



Globally, organisations are less than half way to their desired future state. The Americas and Europe both fall significantly behind the global benchmark.

In terms of future cybersecurity maturity ambitions, MEA rates the highest, slightly ahead of the Americas.

Global Threat Intelligence Report

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

10,000 security clients



10 Security Operations Centres

07 research and development centres



6.1+ trillion logs analysed

How can we help?



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