

2020 State of Malware Report

highlights

Analysis of the latest cybercrime data is in and the numbers are clear; cybercriminals had a busy 2019, and it's only getting worse.

Here's what you need to know.

Top cybersecurity threat takeaways

1. Business threat detections surged 13%

8.5M **9.6M**
2018 2019

2. Trojans and adware led the pack to become the top two business threats



Trojans:
TrickBot up 52%
Emotet up 6%



Adware:
More aggressive attacks across platforms and regions

3. Hacking, evasion, and stealth techniques advanced, becoming more sophisticated and diverse



Exploit kits



Credential-stealing tools



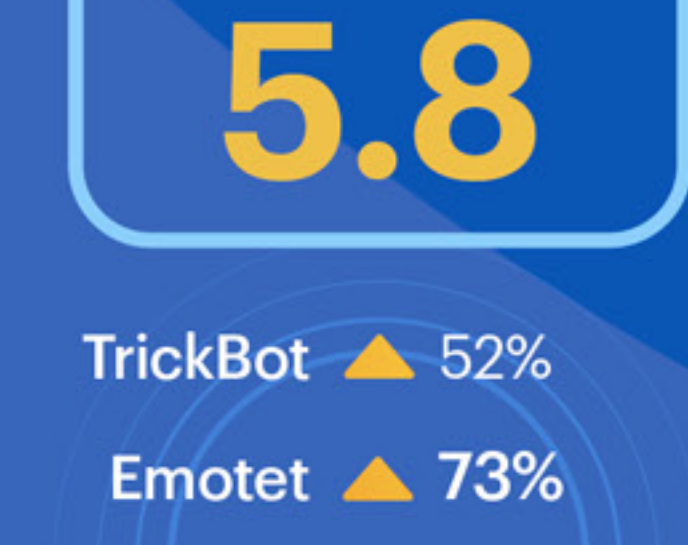
Multi-stage attacks



HackTools attacks
(42% spike for consumers)

Windows & Mac threats

For the first time ever, Mac outpaced Windows PCs in the number of threats per endpoint—but the Windows threat landscape still didn't look pretty



Average threat per endpoint:

5.8

TrickBot ▲ 52%
Emotet ▲ 73%
Ryuk ▲ 543%
Sodinokibi ▲ 820%
since May 2019



Average threat per endpoint:

11

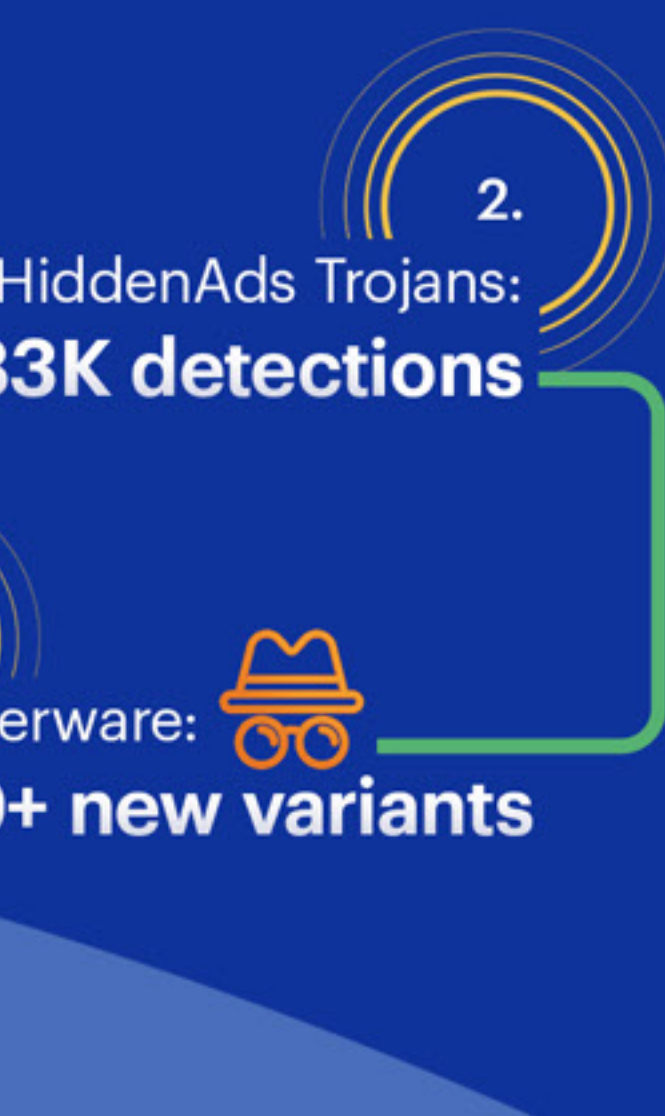
▲ **400%**
rise in overall threats since 2018

Adware detections:
24M

Adware detections:
30M

Android threats

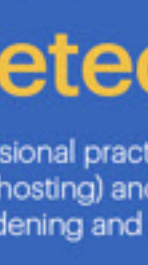
Stealthier, more aggressive malware was detected on Android devices in 2019



1. Pre-installed malware: **321K detections**



2. HiddenAds Trojans: **283K detections**



3. Stalkerware: **100+ new variants**

Industry threats: top 3 sectors impacted

Cybercriminals turned up the heat on certain industries

1. Services*: **162K detections**

*Composite of professional practices (such as accounting and web hosting) and consumer services (such as gardening and repairs)

2. Education: **159K detections**

3. Retail: **114K detections**

Malware detections around the globe

North America and Europe accounted for 74% of threats

North America

- **24.4M** threats detected
- **10%** increase from 2018
- Top threat for business and consumer: **adware**

Europe, the Middle East, and Africa

- **13.2M** threats detected
- **2%** drop from 2018
- Top consumer threat: **adware**

Asia Pacific

(not including Singapore, Australia, or New Zealand)

- **4.8M** threats
- **11%** drop from 2018
- Top business threat: **adware**
- Top consumer threat: **riskware**

Singapore, Australia, and New Zealand

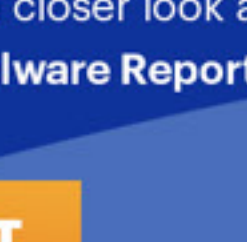
- **1.1M** threats
- **13%** drop from 2018
- Top business threats: **adware** (Australia and New Zealand) and **Trojans** (Singapore)
- Top consumer threat: **adware**

Latin America

- **7.2M** threats
- **26%** increase from 2018
- Top business threat: **Trojans**
- Top consumer threat: **adware**

Cybersecurity predictions for 2020

1. Ransomware attacks will continue at a more rapid pace



2. Hybrid attacks with multi-stage payloads will escalate

3. Exploit kit activity will be at its highest since the post-Angler era



Read the rest of our predictions and take a closer look at 2019's top threats in the **2020 State of Malware Report**.

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