

Detected Cyber Threats Rose 20% to Exceed 62.6 Billion in 2020

Trend Micro's annual roundup report can guide strategic security planning for the new year

DALLAS, Feb. 23, 2021 /PRNewswire/ -- [Trend Micro Incorporated](https://www.trendmicro.com/vinfo/us/security/research-and-analysis/threat-reports/roundup/a-constant-state-of-flux-trend-micro-2020-annual-cybersecurity-report) (TYO: 4704; TSE: 4704), a global leader in cybersecurity solutions, today announced it detected 119,000 cyber threats per minute in 2020 as home workers and infrastructure came under new pressure from attacks. This insight and many others come from Trend Micro's 2020 roundup report, *A Constant State of Flux: Trend Micro 2020 Annual Cybersecurity Report* (<https://www.trendmicro.com/vinfo/us/security/research-and-analysis/threat-reports/roundup/a-constant-state-of-flux-trend-micro-2020-annual-cybersecurity-report>).

The report also shows that home networks were a major draw last year for cybercriminals looking to pivot to corporate systems, or compromise and conscript IoT devices into botnets. Trend Micro found attacks on homes surged 210% to reach nearly 2.9 billion—amounting to 15.5% of all homes. The vast majority (73%) of attacks on home networks involved brute forcing logins to gain control of a router or smart device.

Email-borne threats made up 91% of the 62.6 billion threats blocked by Trend Micro last year, indicating that phishing attacks continued to be hugely popular. The company detected nearly 14 million unique phishing URLs in 2020 as attackers targeted distracted home workers.

"In 2020, businesses faced unprecedented threat volumes hitting their extended infrastructure, including the networks of home workers. Familiar tactics such as phishing, brute forcing and vulnerability exploitation are still favored as the primary means of compromise, which should help when developing defenses," said Jon Clay, director of global threat communications for Trend Micro. "Global organizations have now had time to understand the operational and cyber risk impact of the pandemic. The new year is a chance to adjust and improve with comprehensive cloud-based security to protect distributed staff and systems."

Other key trends included:

- Newly detected ransomware families increased 34%, with "double extortion" attacks – where attackers steal data before encrypting it to force payment by threatening to release the stolen information – and more targeted threats becoming increasingly popular. Government, banking, manufacturing and healthcare were the most targeted sectors.
- The number of vulnerabilities published by the Zero Day Initiative (ZDI) increased 40% year-on-year, but Trend Micro continues to see flaws from as far back as 2005 being heavily exploited.
- Many attacks targeted flaws in VPNs used by remote workers. CVE-2019-11510, a critical arbitrary file disclosure flaw in Pulse Connect Secure, already has nearly 800,000 hits based on Trend Micro customer data.
- Cloud service misconfigurations increasingly had consequences in 2020. Trend Micro observed exploitation of unsecured APIs in several cryptocurrency mining attacks.
- The ZDI published 1,453 vulnerability advisories, nearly 80% of which were rated as Critical or High severity.
- On the positive front, there was a 17% fall in detections of BEC attacks, although there's no indication of how many were successful.


About Trend Micro

Trend Micro, a global leader in cybersecurity, helps make the world safe for exchanging digital information. Leveraging over 30 years of security expertise, global threat research, and continuous innovation, Trend Micro enables resilience for businesses, governments, and consumers with connected solutions across cloud workloads, endpoints, email, IIoT, and networks. Our XGen™ security strategy powers our solutions with a cross-generational blend of threat-defense techniques that are optimized for key environments and leverage shared threat intelligence for better, faster protection. With over 6,700 employees in 65 countries, and the world's most

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