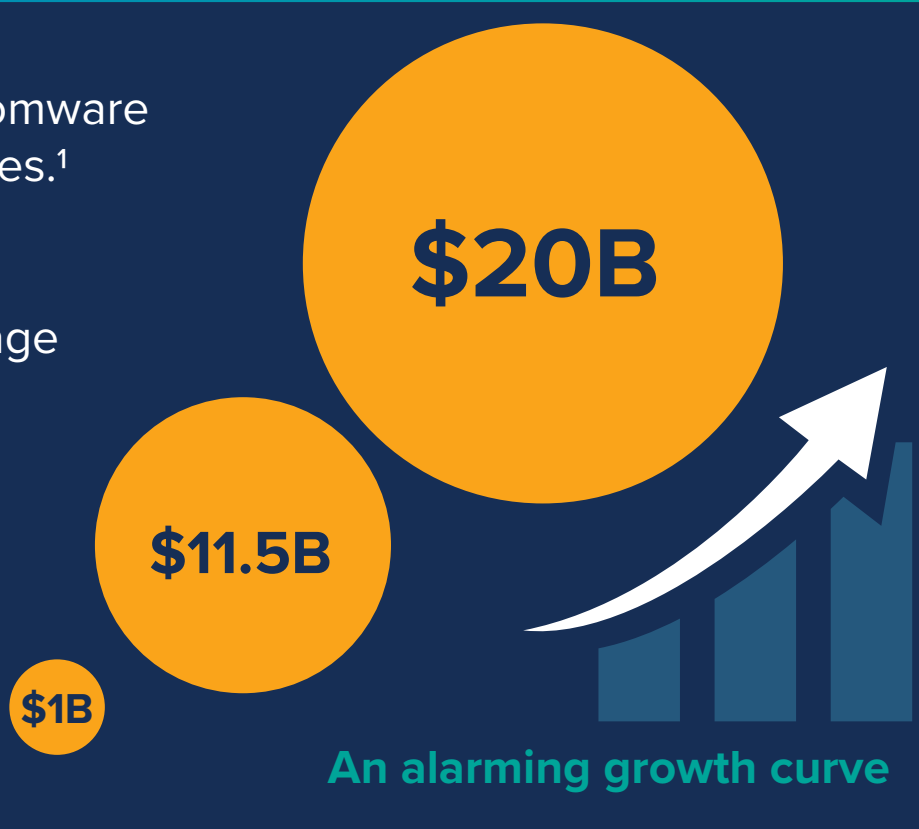
The 5-Minute Ransomware Guide

What is Ransomware?

Ransomware is a type of malicious software that allows a hacker to restrict access to an individual's or company's vital information and demand payment (usually cryptocurrency) to lift the restriction.

- In 2016, the FBI projected ransomware could lead to **$1B** in global losses.[1]
- In 2019, total ransomware damage was **$11.5B** at an average of **$141,000** per incident.[2]
- By 2021, experts expect **$20B** of total losses due to ransomware.[3]



Time from initial infection to ransomware demand:

Advanced persistent threat (APT) attacks have delayed timelines, with attackers attempting to infect as many systems in a network as possible.

Damages due to lost productivity are usually

5-10x

the actual ransom amount.[4]

Publishing sensitive data or "dirty secrets" online and giving away information to competitors are increasingly common tactics.

A 2019 report found that following a ransomware attack, the average organization lost:[4]

+

764
U.S. Healthcare Companies

113
State & Municipal Agencies

89
Universities

were impacted by ransomware in 2019 alone.[5]

Today, almost anyone can contact a **Ransomware-as-a-Service (RaaS)** group to launch an attack.

$1.14M

Amount paid by University of California San Francisco to recover research files after a ransomware infection in June 2020.[6]

Negotiations took place on the Dark Web, with an initial ransom request of[6]

$3M

The projected frequency of global ransomware attacks by 2021 is every[2]

11 seconds

Now that you understand how ransomware typically works, learn how you can defend your organization against an attack.

Learn More

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[1] CNN-Money, http://money.cnn.com/2016/04/15/technology/ransomware-cyber-security/, April 15, 2016
[2] https://cybersecurityventures.com/global-ransomware-damage-costs-predicted-to-reach-20-billion-usd-by-2021/
[3] https://www.darkreading.com/attacks-breaches/ransomware-damage-hit-$115b-in-2019/d/d-id/1337103
[4] https://healthitsecurity.com/news/ransomware-costs-on-the-rise-causes-nearly-10-days-of-downtime
[5] https://www.cybersecurity-insiders.com/ransomware-attacks-could-have-cost-the-united-states-7-5-billion/
[6] https://www.zdnet.com/article/university-of-california-sf-pays-ransomware-hackers-1-14-million-to-salvage-research/