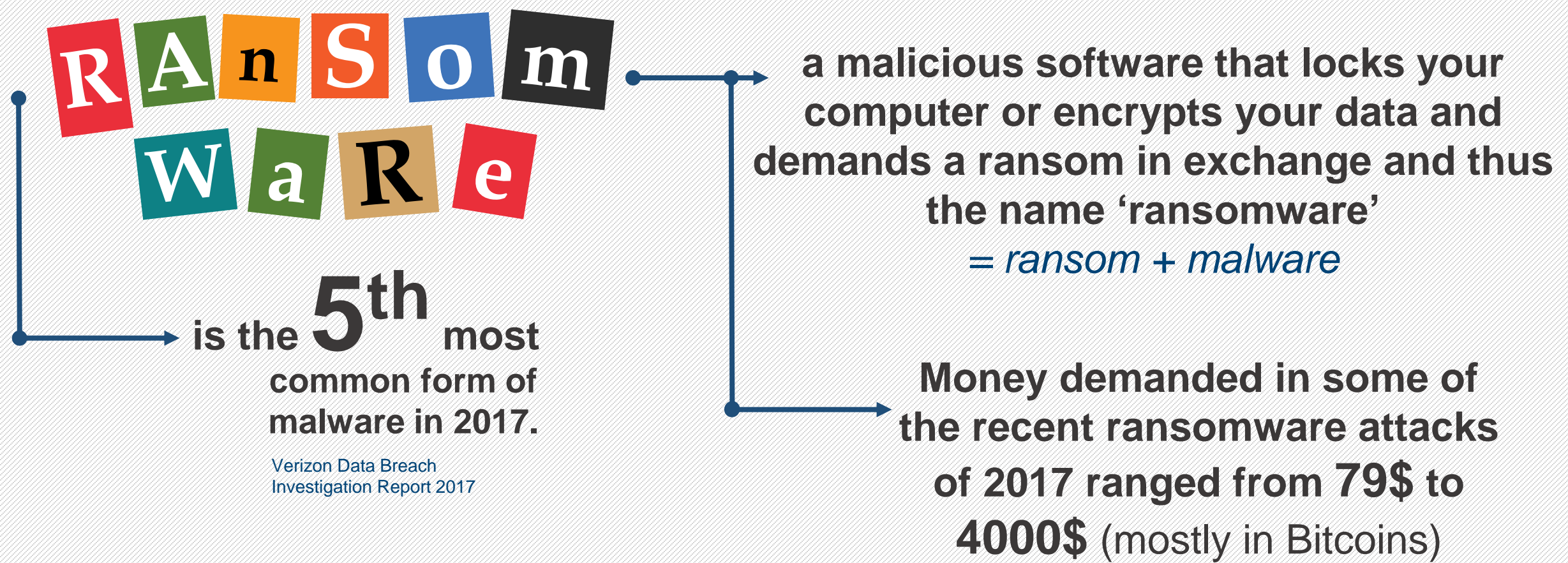


HOW DOES A RANSOMWARE INFECT YOUR COMPUTER? & WHAT YOU CAN DO TO STAY SAFE.



THE 2 MOST COMMON CHANNELS ransomware use to infiltrate your computer

#1. EMAIL

Emails serve as the most resourceful tool to deliver ransomware.

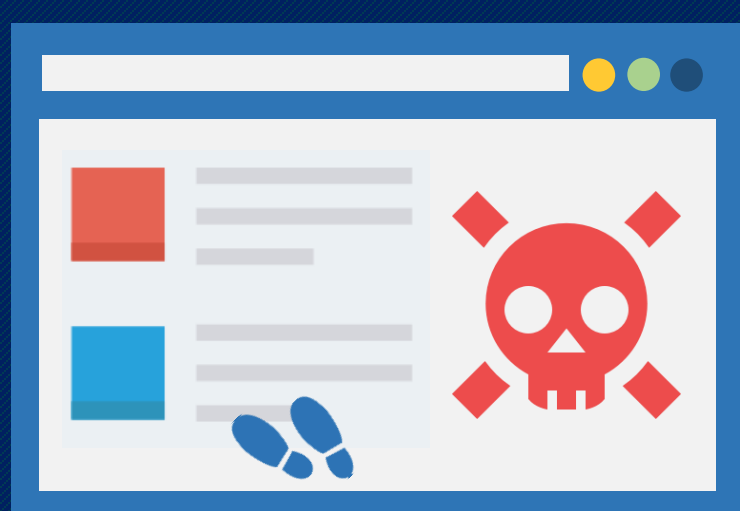
“93% of all phishing emails contained encryption ransomware in 2016.”
PhishMe Q1 2016 Malware Review



To make a phishing email look more genuine and convincing, it is disguised as something that you'd expect – invoices, tax forms, letters from a co-employee or your boss, purchase receipts, etc.

#2. COMPROMISED WEBSITES

An infected or a compromised website (in this case) is a webpage(s) where the attacker has hidden an exploit kit (a software designed to misuse software vulnerabilities).



When you visit such a site, this exploit kit will scan your web browser or other software for **security vulnerabilities** it is designed to exploit (*security vulnerability is a weakness in your computer that an attacker can misuse*). And if a vulnerability is found, the kit will drop the ransomware.

How do you land up on a site compromised with an exploit kit?

- By clicking on a link in a phishing email – the most common way
- By clicking on a malicious advertisement



This attack is called **malvertisement** – ads loaded with malware.

Malicious ads do not only appear on shady websites, they target genuine websites too. This means, **clicking on an ad on a legitimate website can also infect your computer with a ransomware.**

Case in point: Malicious ads (containing the Angler exploit kit) appeared on The New York Times, the BBC, AOL, and the MSN homepage in 2016, delivering ransomware to the people visiting these websites.

HOW DO YOU DEFEAT RANSOMWARE?

Staying safe from ransomware means preventing it from getting inside your computer. You can do this by...

- #1. NOT CLICKING** on links or downloading attachments from unknown or unexpected sources (*even if the sender looks familiar*).
- #2. PATCHING** all vulnerabilities in your Operating System and software by applying all recommended security updates.
- #3. PROTECTING** your computer with an antivirus that can block access to compromised websites and prevent ransomware from getting downloaded on the system.
- #4. BACKUP YOUR DATA** regularly. Consider storing them securely in multiple, offline locations. Should a ransomware infection occur, you can restore your data from these backups.
- #5. INSTALL AD-BLOCKERS** on your web browsers. This will reduce your risk on clicking on malicious or harmful advertisements.

**STAY AWARE
STAY SAFE**



Sources
blogs.quickheal.com | phishme.com |
www.us-cert.gov | www.wired.com |
www.securityaffairs.co

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www.seqrите.com

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