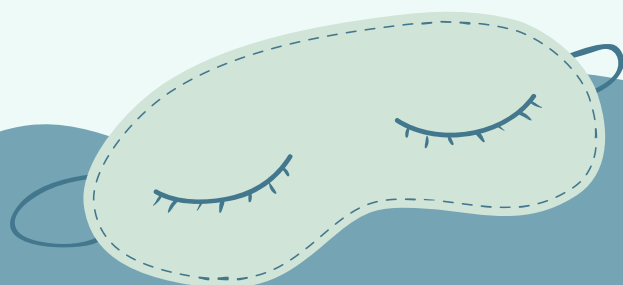


RANSOMWARE

DANAI LAMPAKI

WHAT IS RANSOMWARE?

Ransomware is a software that blocks access to a device until a ransom (money) is paid.



EXAMPLES

WannaCry

Pettya

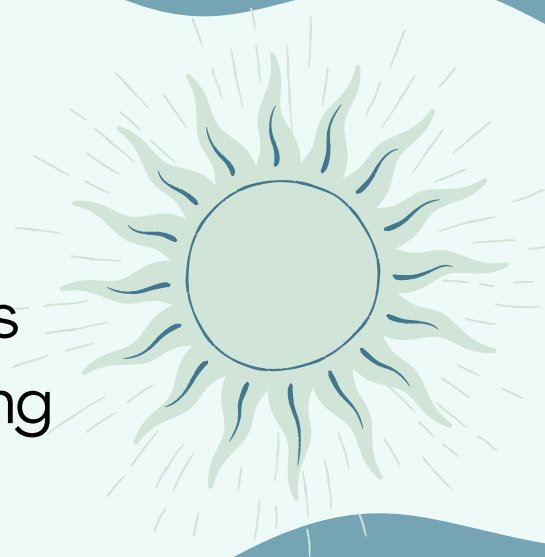
Jigsaw

CryptoLocker



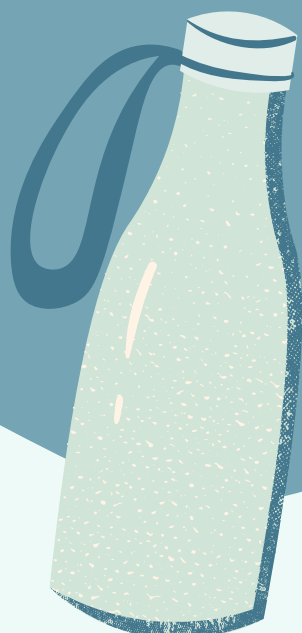
IS IT A VIRUS?

According to Malwarebytes.com, ransomware would be classified as malware but it is not the same thing as a virus.



WHAT IS RANSOM ATTACK?

A ransom attack is when an attacker employs malicious ransomware to hold data/threaten to release it until a sum of money is paid.



CAN IT BE REMOVED?

Yes, antimalware can remove the malicious software from a device.



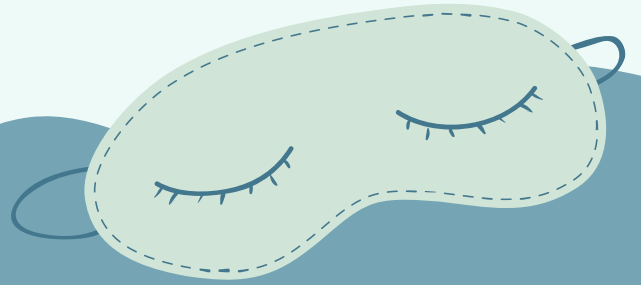
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HOW DO RANSOMWARE ATTACKS HAPPEN?

They can occur through suspicious links, emails, scams, etc. The internet is filled with malware.



MOST COMMON RANSOMWARE



Crypto ransomware are the most common type of ransomware, followed by Lockers and Scareware. Source: crowdstrike.com

5 FAMOUS ATTACKS

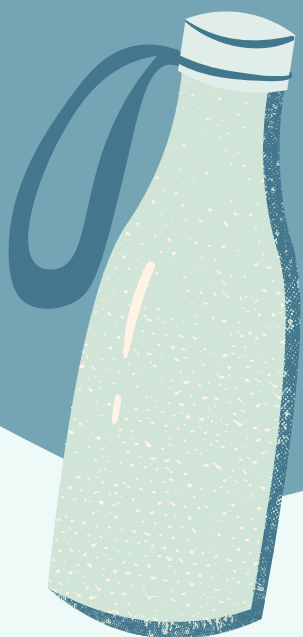
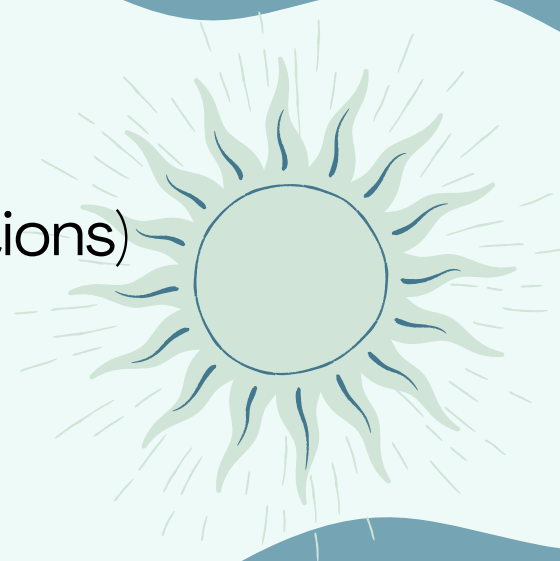
Wannacry (hit over 300 organizations)

Ryuk (In 2018, the total damage is estimated to be 650,000 dollars.)

Petya

Golden Eye

SamSam



TWO TYPES OF RANSOMWARE

Dxxwear, it threatens to release private and sensitive information.

RaaS

CAN DATA BE STOLEN?

Yes, ransomware can search for valuable data in a device and send it to the attacker.



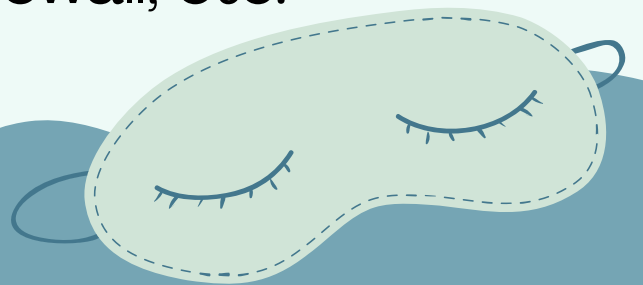
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SOLUTION/PREVENTION?

You can help prevent ransomware attacks by having complicated passwords, an antivirus, a firewall, etc.



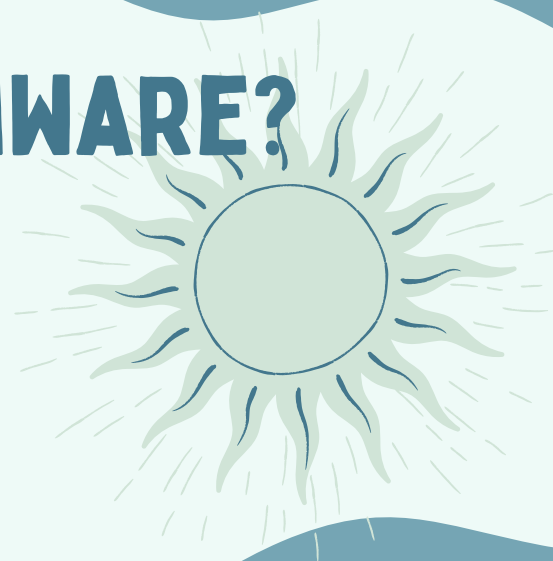
HOW LONG DO ATTACKS LAST?

Most companies recover 2-4 weeks after a ransomware attack.



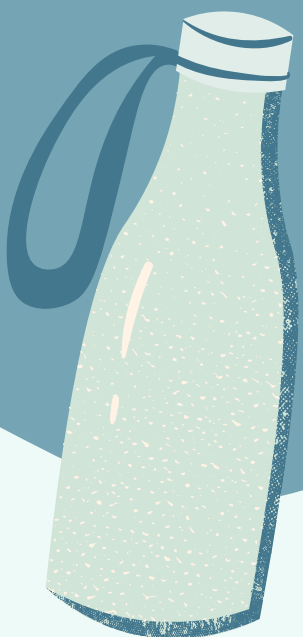
WHO CREATED RANSOMWARE?

Popp, they are referred to as the "father of ransomware."



HOW DO HACKERS USE IT?

They can deny someone access to the contents of their computer. It is distributed in many ways which we discussed earlier.



CAN ANTIVIRUS DETECT IT?

Yes, antiviruses can detect ransomware. The best antivirus companies keep a record of the threats so they can handle them.



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RANSOMWARE

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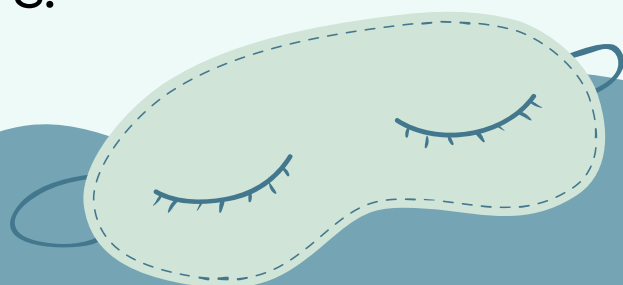
CAN IT SPREAD THROUGH WIFI?

According to cybertalk.com, ransomware can spread through wifi networks to infect computers.



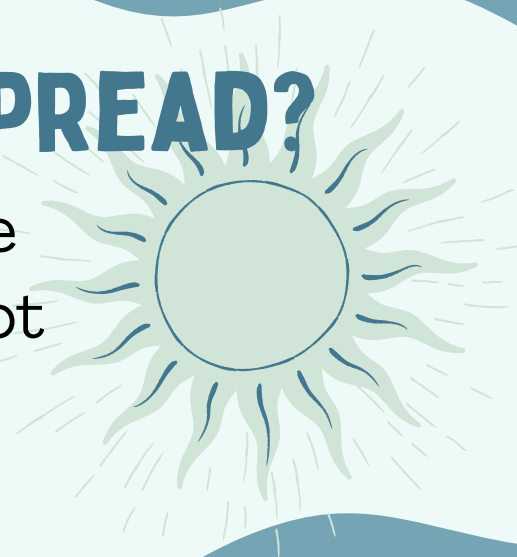
WHICH ANTIVIRUS IS BEST?

According to pcmag.com, here are some great antiviruses. Bitdefender, Webroot, McAfee.



HOW QUICKLY DOES IT SPREAD?

[Zdnet.com](http://zdnet.com) states that ransomware can take just five minutes to encrypt 100,000 files if the ransomware is very prolific.



WHY IS RANSOMWARE A PROBLEM?

People's personal data is at risk, businesses can go bankrupt, the numerous privacy hazards, and data being stolen.



WILL REINSTALLING WINDOWS REMOVE IT?

No, it will not. It is better to research on some antiviruses to protect yourself.



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