



## Ransomware - A Review and some Numbers...

Ransomware is a form of malicious software that threatens you with harm, usually by denying you access to your data. Ransomware attacks are often deployed via social engineering tactics.

Once a user falls victim to the attack, their data is encrypted.

The attacker then demands a ransom from the victim, with the promise to restore access to the data upon payment.

### Ransomware's Financial Impact.....

Ransomware attacks are estimated to cost \$6 trillion annually by 2021.

Ransomware currently costs businesses more than \$75 billion per year

The NotPetya ransomware attack losses could exceed \$1 billion and FedEx lost an estimated \$300 million in Q1 2017 from the NotPetya ransomware attack

Ransomware attacks worldwide rose 350% in 2018

50% of a surveyed 582 information security professionals do not believe their organization is prepared to repel a ransomware attack.

75% of companies infected with ransomware were running up-to-date endpoint protection

25% of business executives would be willing to pay between \$20,000 and \$50,000 to regain access to encrypted data

40% of ransomware victims paid the ransom and only 30% of organizations who pay the ransom receive all of their money back.

More than 50% of ransoms were paid by bitcoin in 2018

Of 1,100 IT professionals surveyed, 90% had clients that suffered ransomware attacks in the past year

A new organization will fall victim to ransomware every 14 seconds in 2019, and every 11 seconds by 2021

1.5 million new phishing sites are created every month

In 2019 ransomware from phishing emails increased 109% over 2017



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