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What Is Ransomware?

Ransomware, according to MacAfee Trellix, is malware that uses encryption to hold a victim's data hostage.

Types Of Ransomwares

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Ransomware Types

These days, four forms of ransomware attacks are gaining popularity. They are as follows:

- Locker Ransomware
- Crypto Ransomware
- Double Extortion Ransomware
- Raas Ransomware

01

Locker Ransomware

The Locker ransomware prevents users from accessing their computers. Until a ransom is paid, attackers prevent users from using the system. A pop-up window may appear on the victim's screen, demanding a ransom to gain access.

02

Crypto Ransomware

Crypto ransomware's goal is to encrypt your vital data, such as papers, photos, and videos, but not to disrupt your computer's core functioning. It is more pervasive than locker ransomware. It encrypts all or partial files on a computer and demands a ransom in exchange for the decryption key from the victim.

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Ransomware Types

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03

Double Extortion Ransomware

Rather than encrypting data, Double Extortion ransomware exfiltrates it first. If the attackers' demands are not met, the stolen data will be made public. Paying the ransom, on the other hand, does not guarantee data security because the attackers have access to the stolen information.

04

Raas Ransomware

For ransomware developers, RaaS is a new model. The ransomware developers, like software as a service (SaaS), sell or lease their ransomware variants to affiliates, who then use them to carry out an assault. Ransomware is no longer confined to the developers who produce it because of RaaS.

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Famous Ransomware Attack

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Famous Ransomware Attacks

Let us investigate two famous Ransomware attacks that happened recently.

- Kaseya Ransomware Attack
- Wannacry Ransomware Attack

01

Kaseya Ransomware Attack

Kaseya, an IT solutions provider, was hit by ransomware on July 2, 2021, putting thousands of consumers of their MSP (managed service provider) clients at risk. Attackers infected victims with the REvil ransomware via an automatic software update. The ransomware subsequently encrypts the system's content on that network, disrupting operations for a variety of businesses.

02

Raas Ransomware

WannaCry is a crypto-ransomware worm that targets Windows computers. It's a type of virus that may travel over networks from one system to another system and then encrypt important files once installed. The cybercriminals then demand ransom payments to recover the files. The Wannacry ransomware caused most of the damage in the weeks after May 12, 2017. Between January and March 2021, the number of Wannacry ransomware attacks grew by 53%.