

P2.4.2-Ransomware

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Monday December 25, 2023

Seat 99 (Grade level 13)

Cyber Capstone

0. Which of the following is a characteristic of viruses?

- A. They can self-replicate
- B. They rely on authorized programs to spread
- C. They encrypt information on systems
- D. They record user keystrokes

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1. What is ransomware?

- A. A type of software that speeds up your computer's performance.
- B. Malicious software that encrypts and locks a victim's data and demands a ransom.
- C. Software used to protect against viruses and malware.
- D. A type of file compression software.

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2. What type of data is commonly targeted by ransomware attackers?

- A. Random internet browsing history.
- B. Personal finance data.
- C. Publicly available data.
- D. Unused software applications.

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3. Which term describes a version of ransomware that encrypts files but demands payment in cryptocurrency?

- A. Locker-ransomware.
- B. Scareware.
- C. Cryptomalware.
- D. Doxware.

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4. How did the attackers demand payment from Baltimore City's governmental computer systems in the RobbinHood ransomware attack?

- A. Bank transfer.
- B. Credit card payment.
- C. Cryptocurrency (Bitcoin).
- D. Cash in hand.

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5. What is the best defense against ransomware according to the text?

- A. Paying the ransom.
- B. Ignoring the ransom demands.
- C. Reporting the attack to law enforcement.
- D. Prevention and data backups.

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6. What is scareware?

- A. Software designed to scare away potential hackers.
- B. Software that creates fake antivirus alerts and demands payment.
- C. Software that encrypts files and demands cryptocurrency.
- D. Software that locks a victim out of their computer.

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7. What is the main reason ransomware is profitable for cybercriminals?

- A. Victims always report the attack to law enforcement.
- B. Victims often pay the ransom.
- C. Ransomware attacks are easily preventable.
- D. Ransomware attackers always release the data after payment.

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8. What is the purpose of doxware?

- A. To lock a victim out of their computer.
- B. To scare users into thinking their computer is infected.
- C. To encrypt files and demand payment.
- D. To threaten to release stolen data if a ransom is not paid.

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9. What is one consequence of paying the ransom according to the text?

- A. Access to the files is always restored.
- B. The cybercriminal releases the victim's data publicly.
- C. The cybercriminal never asks for payment again.
- D. The cybercriminal is immediately apprehended by law enforcement.

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10. What is recommended to defend against ransomware attacks?

- A. Pay the ransom to ensure access to data.
- B. Regularly update software and keep backups of data.
- C. Ignore all ransom demands.
- D. Share sensitive data online to avoid being targeted.

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