WHAT IS RANSOMWARE?
Ransomware or also known as Crypto-Virus is a hazardous computer threats. Once it infects the computer, it hijacks majority of common files including documents, spreadsheet, videos, images, photos, drawings, archives, databases, and so on. This ransomware virus the target files with complex algorithm, and demands a ransom payment in order to obtain the decryption tool.

STAGES OF A RANSOMWARE ATTACK

1. DISTRIBUTION
   Hacker's spreads the ransomware via e-mail, software bundles, web injectors, etc...

2. INFECTION
   Once computer is infected, the virus contacts the server controlled by hackers.

3. HANDSHAKE & KEYGEN
   Infected computer talks to the server through "handshake" and generates unique key for victim

4. ENCRYPTION
   Ransomware starts to decrypt the files and applies a unique key obtained from the server.

   - Infection via spam email
   - Infection via website injector
   - Infection via software download

   - Hacker
   - Server
   - Computer Users

HOW TO STAY SAFE

Tips from malwarefixes.com

Always backup your data on a separate storage devices such as external hard drives, optical discs, or online backup services.

Make sure that you have the latest software updates especially on the operating system. Recent updates often contain vital security patches to help protect the computer against all forms of threats.

Protect the computer with effective anti-virus application using efficient real-time scanning. Regularly run a complete scan to check the computer for presence of malware.