OCTOBER 2023
CYBER SECURITY AWARENESS MONTH

CYBER SAFETY STARTS WITH YOU

DSCI
PROMOTING DATA PROTECTION
A nasscom Initiative

FRAUD AWARENESS

Steps businesses and individuals can take to protect themselves from cyber frauds.

RANSOMWARE

Ransomware is a type of malware that restricts users from accessing the system and demands to pay ransom in order to regain access.

MODUS OPERANDI

- Cybercriminals load malwares within email attachments, fake websites, offers, etc. which when clicked/accesses by users unknowingly get installed on their systems.
- The ransomware encrypts various file formats with different file extensions.
- They steal credentials/sensitive information and block the user out of the system.
- Advanced ransomwares are designed to evade anti VM or Sandbox, so they can't be analysed by security researchers.

HOW TO STAY SAFE

- Protect your personal/official devices with licensed antivirus.
- Install ad blockers to combat exploit kits such as Fallout that are distributed via malicious advertising.
- Lock Remote Desktop Protocol (RDP), if not in use or follow RDP best practices such as rate limiting, MFA, etc.
- Configure strong firewalls & VPN must have capability to test basic security protocols before connection.
- Deploy effective backup strategies including keeping the backup safe; so that they can be used to recover lost data in the event of an infection.

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