

AN EMERGING COMPUTER NETWORK SECURITY THREATS AND A NEW PROTECTION TECHNIQUE USING BLOCKCHAIN TECHNOLOGY IN ORGANIZATIONS

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ABSTRACT

Computer network security is any activity designed to protect the usability, integrity and safety of our network and data. With the advancement of networking technology, like mobile communications (5G), “Internet of Things” (IoT) and cloud computing are coming with new information security threats. This study aims to examine an emerging computer network security threats and to create awareness. Case study and survey were conducted. End users still using outdated software, they didn’t update the operating system and applications, they use a permanent password, they use weak and default password (name of super hero person). This is due to lack of awareness, no cyber security training programs and culture of end - users. Ransom ware, social engineering, malware (malicious software or program), distributed denial of service attack (DDoS), and phishing were examined. The proposed method is active DNS using block chain technology. Based the findings we conclude that network security protection using current method is not sufficient. A study by Cyber security Ventures predicts these crimes will cost the world \$6 trillion a year by 2021.

KEYWORDS: *Network Security, Security Threats, Sensitive Information, Cloud Computing, IoT*

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