Project Proposal

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Capstone: System Security IASP-470

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Project Title: Ransomware: An Overview of a Global Problem

Research Issue Description: for this project I will be going through an overview of what is ransomware. (History, Payment methods, Protection etc.)

- History – I will be going over the history of ransomware since most people may think ransomware is a new threat. Which it is not new and dates back to 1989. I will be giving some examples of recent or known attacks that occurred.

- Payment methods – In this section I will be going over cryptocurrency (Types, worth, etc.) may also mention a few other payment methods that have been used in the past.

- Protection – In this section I will be going over some ways to make yourself, friends or family harder targets. What can be done if you do fall victim of ransomware. Making sure you always back up your data etc.

My Approach (to resolve the problem described above): Through extensive research I plan to educate myself and my peers on the ongoing issues of ransomware attacks occurring around the globe.

References (cross-cited papers should be listed):


• “Bitcoin Wiki.” Block Hashing Algorithm, en.bitcoin.it/wiki/Block_hashing_algorithm.


• To Pay or Not to Pay: How to Survive a Ransomware Attack, www.crossbridgefinancial.com/article/2391-to-pay-or-not-to-pay-how-to-survive-a-ransomware-attack.