J-Component(Review 1)

Title: Analysis of websites for crypto jacking threats and implementation to detect them using a programming tool to prevent crypto jacking

Course Name: Information Security Analysis and Audit

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Abstract-

Crypto jacking is the unauthorized use of someone else's computer to mine cryptocurrency. Hackers do this by either getting the victim to click on a malicious link in an email that loads crypto mining code on the computer, or by infecting a website or online ad with JavaScript code that auto-executes once loaded in the victim's browser. Detecting crypto jacking can be difficult. In this project we will be dealing with web based crypto jacking. For detecting web based crypto jacking, we will be making list of web miners and then we will make a program which will search for these web miners on the website. If any of these web miners are present on the website then that website will be declared malicious. Our project will take websites as input from user, and connect to them via web scrapping tools like beautiful soup and search them and return the result.

Keywords: Crypto jacking, Cryptocurrency, web mining, cryptojacking, malicious JavaScript

Acronyms: CPU-Central processing unit, PC- Personal computer, Networked Systems Design and Implementation (NSDI), e-prints- Electronic prints.

Tools to be used:

1) Python 3.7(64-bit)
2) HTML
3) Web miner Tools:
   a) Xmrstudio
   b) cryptonight.asm.js
      coinhive.com
   c) coinhive.min.js
      jsecoin.com
   d) cryptoloot.pro