Computer Viruses and security threats of the web

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Overview

In this report I will explain several aspects of computer security namely, computer viruses and explain what they are, what they can do and what has been done to counter them. I will also explain all of this and more in a structure manner. We will first discuss in the literature review, the origins of computer viruses, how they came to be and what we the motivations of these computer virus. I will then explain what counter measures have been done to prevent if not limit the amount of damage, the afflicting virus has caused to the system and their users. In my technical analysis I will break down the components of a computer virus and explain the inner workings of 3 popular types of computer virus I.e. Trojans, worms and malware/spyware. I will also discuss the state of the art approaches employed by popular internet security forms such as McAfee, AVG and Norton to counter these types of computer viruses.

In the modern problems section I will also discuss the ever growing problem of phishing, its origins and purpose and what progress has been done to counter phishing, at the end of the section I will give a detail analysis on the progress made by security firms and whether or not it has been effective or counter phishing or not.

To conclude I will summarise my finding on the progress to counter the phishing problem and provide my perspective on what has been done correctly and what can be improved, finally I will give some advice to readers, on how to build upon this analysis and provide a set of advice to further counter the phishing problem.

# Background Information

This sections serves to provide an insight on a computer virus, from what it is, however it acts and its characteristics, we will also discuss the approach used to develop anti-virus solutions, again this section will help identify what they are and how they work in theory, finally we will discuss in detail a particular form of internet threat called phishing, which will serve to be the main topic of discussion for further chapters namely the analysis of phishing and anti-phishing solutions. Which talks about a critical analysis on the performance of anti-phishing solutions and anti-phishing techniques, and provides the authors perspective on these techniques and solutions.

## Computer Virus

Virus-like programs first appeared in computers in the 1980’s, however there was two famous examples before the term computer virus was coined, which were Creeper from 1971-72 and John walker’s “Infective” version of UNIVAC[cite here[], a popular ANIMAL game in 1975.

# Literature review

-Background info

--what a virus is

--forms of virus

--examples of virus

# Technical Analysis

# Modern Day Problems

# Conclusion