

ABSTRACT

More than 1,500 U.S. companies suffered ransomware attacks, the attack took place on Friday, allowing hackers to cripple hundreds of businesses on five continents. Most dentist's offices and accounting firms are experiencing disruptions, a disruption more pronounced in Sweden where hundreds of supermarkets have had to close because their cash registers are not working. Malware is software created for malicious purposes, as it interferes with the performance of a computer system. Malware enters the system and exploits. As malware continues to grow, one of the efforts that can be done is to implement MALICE to analyze malware. MALICE is a framework that facilitates malware analysis by running malice plugins doing their best to determine which processing modules should run during each analysis, and executing chain modules to achieve end-to-end analysis. In this final project built a malware analysis system using MALICE to avoid malware attacks. From the results of the test, this system managed to show the basic information of malware objects, this information is useful to report to antivirus developers as a reference material to update antivirus signatures in the future.

Keywords : Malware, MALICE, Malware Analysis, analysis system