ABSTRACT

MALWARE ANALYSIS IN ANDROID OPERATING SYSTEM
USING NETWORK TRAFFIC ANALYSIS METHOD

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Malware can also be called malicious software which is software that is created to infiltrate or damage computer systems and can also affect network traffic. With the increasing spread of malware on the current Android operating system. For this reason, malware analysis is done on android, Malware analysis on the Android operating system has two ways, namely Static Analysis and Dynamic Analysis. Static analysis is done without running the malware and only looks at the segment code in the application. Dynamic Analysis executes the program and observes the results Static method used in this study is reverse engineering. Reverse engineering is used for extracting applications into the source code, the data will be generated information that the malware is accessing the network, then the next method to detect malware is network traffic analysis. The advantage of this network traffic analysis is that it can find out malware that is directly connected to the website and with this analysis can also find out malware activity against network traffic from seeing bandwidth, time since request and payload owned by malware. From the results of the analysis, the information obtained is a malicious activity that affects network traffic.

Keyword   : Malware, malware analysis, dynamic analysis, network traffic analysis