

**DIGITAL FORENSIC INVESTIGATION – METHOD FOR
IDENTIFICATION AND ANALYSIS OF MALICIOUS
SOFTWARE ON LINUX SYSTEM**

By

Ahmad Zaid Zam Zami

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Swiss German University
Education Town BSD City
Tangerang 15339
Indonesia

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STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, contains no material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

Ahmad Zaid Zam Zami

Student

Date

Approved by:

Dr. Ir. Moh. A. Amin Soetomo, M.Sc.

Thesis Advisor

Date

Charles Lim, M.Sc., ESCA, ECSP, ECIH, CEH, CEI

Thesis Co-Advisor

Date

Dr. Ir. Gembong Baskoro, M.Sc.

Dean

Date

Ahmad Zaid Zam Zami



ABSTRACT

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By

Ahmad Zaid Zam Zam

Dr. Ir. Moh. A. Amin Soetomo, M.Sc.

Charles Lim, M.Sc., ESCA, ECSP, ECIH, CEH, CEI

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Malware (malicious software) has become the most serious security threats on the Internet. There is a malware that is created to provide remote access to the victim computer by bypassing normal authentication known as backdoor. Criminals are making extensive use of backdoor to control computers and steal confidential or proprietary information. The information can be used to commit fraud, identity theft, or can be sold or traded to others. Therefore, forensic investigator need to have suitable methodology to identify and analyze a computer that is compromised by malware. This study aimed to identify artifacts or digital trail that can be potentially as evidence that may be left by the backdoor installed on a victim's computer. The final results of this study will be used as a guide or user manual for law enforcement officers in conducting searches of digital evidence, especially on an infected computer.

Keywords: Computer forensic, cyber crime, malware, linux.

DEDICATION

I dedicate this thesis to my family, my parents and faculty of engineering and information technology in SGU (Swiss German University), Tangerang - Indonesia and all people who need guidance in implementation of Incident Handling using Computer Forensic Methodology.



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TABLE OF CONTENTS

STATEMENT BY THE AUTHOR	2
ABSTRACT	4
DEDICATION	5
ACKNOWLEDGMENTS	6
CHAPTER 1 - INTRODUCTION	10
1.1 Background	10
1.2 Research Objectives	10
1.3 Research Limitations	11
1.4 Research Problems	11
1.5 Significant of Study	12
1.6 Research Questions	12
1.7 Methodology	12
1.8 Thesis Structure	12
CHAPTER 2 - LITERATURE REVIEW	14
2.1 Digital Forensic Investigation	14
2.1.1 Digital Evidence.....	15
2.1.2 Digital Analysis Type.....	16
2.1.3 Digital Forensic Investigation Stages.....	18
2.2 Hardisks Technolgoy	19
2.2.1 Hardisk Geometry.....	19
2.2.2 Hardisk Cluster.....	21
2.2.3 Hardisk Partition.....	22
2.2.4 Master Boot Record.....	23
CHAPTER 3 - METHODOLOGY	26
3.1 Framework.....	26
3.2 Research Flow.....	28
3.3 Problem Identification.....	28
3.4 Literature Study.....	28
3.5 Experiment.....	29
3.5.1 Virtual Machine Implementation.....	29
3.5.2 Tools.....	29

3.5.3 Tool Theory.....	29
3.5.4 Type of Toolkits.....	30
3.5.5 General Procedure.....	30
3.5.6 Volatile Data Collection.....	31
3.5.7 Live System Acquisition.....	31
3.6 Validation.....	32
3.7 Output.....	32
CHAPTER 4 - RESULT & DISCUSSION	33
4.1 Mounting Forensic Tools	33
4.2 Collection.....	33
4.2.1 Volatile Data Collection.....	33
4.2.2 Live System Acquisition.....	37
4.3 Analysis.....	39
4.4 Expert Validation.....	39
CHAPTER 5 - CONCLUSION & RECOMMENDATION	43
5.1 Volatile Data Evidence	43
5.2 Backdoor Identification Guideline	43
5.3 Recommendation	44
REFERENCES.....	45
APPENDICES.....	46
CURRICULUM VITAE.....	81

LIST OF TABLES

Table 1	Master boot record layout	23
Table 2	Partition table entry	24
Table 3	Common partition type	25

LIST OF FIGURES

Figure 1	Hard disk layout	20
Figure 2	Computer forensic framework	26
Figure 3	Research flow.....	28
Figure 4	Fdisk command output	31
Figure 5	Ifconfig command	34
Figure 6	Lsof command	35
Figure 7	Lsof output	36
Figure 8	Tcpdump command	36
Figure 9	DD command	37
Figure 10	File system information	38
Figure 11	Read-only mounting	38
Figure 12	Rogue process	39
Figure 13	Malicious packet, user creation	40
Figure 14	Malicious packet, directory hiding	40
Figure 15	Bash history output	41

