

Contents

1	Introduction	1
2	A Survey of Android Malware	3
2.1	Malware Dataset	3
2.2	Malware Characterization	5
2.2.1	Malware Installation	5
2.2.2	Activation	12
2.2.3	Malicious Payloads	13
2.2.4	Permission Usage	18
3	Case Studies	21
3.1	Malware I: Plankton	21
3.1.1	Phoning Home	21
3.1.2	Dynamic Execution	22
3.2	Malware II: DroidKungFu	23
3.2.1	Root Exploits	24
3.2.2	Command and Control (C&C) Servers	24
3.2.3	Payloads	26
3.2.4	Obfuscation, JNI, and Others	26
3.3	Malware III: AnserverBot	26
3.3.1	Anti-Analysis	27
3.3.2	Command and Control (C&C) Servers	28
4	Discussion	31
5	Additional Reading	33
5.1	Books	33
5.1.1	Malware Detection and Defense	33
5.1.2	Smartphone (Apps) Security	34
5.2	Conference and Workshop Proceedings	34

6 Summary	37
References	39
Index	43

Android Malware

Jiang, X.; Zhou, Y.

2013, XI, 44 p. 9 illus., Softcover

ISBN: 978-1-4614-7393-0