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REFERENCES

- [1]Pu Wang, Marta C. Gonzalez¹, Cesar A. Hidalgo, and Albert-Laszlo Barabasi, " Understanding the spreading patterns of mobile phone viruses, " Science, vol. 324, no. 5930, pp. 1071-1076, 2009.
- [2]Andre van Cleeff, " Future consumer mobile phone security: A case study using the data-centric security model, " Information Security Technical Report, vol. 13, no. 3, pp. 112-117, 2008.
- [3]Android Developer, <http://developer.android.com>, 2011.
- [4]Margaret Butler " Android: Changing the mobile landscape, " IEEE Pervasive Computing, vol. 10, no. 1, pp. 4-7, 2011.
- [5]Asaf Shabtai, Uri Kanonov, Yuval Elovici, Chanan Glezer and Yael Weiss " Andromaly: a behavioral malware detection framework for android devices, " Journal of Intelligent Information Systems, Online Article, 2011.
- [6]Arbor Networks " Worldwide infrastructure security report " , vol. vi, 2010.
- [7]Tao Peng, Christopher Leckie, and Kotagiri Ramamohanarao " Survey of network-based defense mechanisms countering the DoS and DDoS Problems, " ACM Computing Surveys, vol. 39, no. 1, pp. 1-46, 2007.
- [8]Dmitry Rovniagin and Avishai Wool " The geometric efficient matching algorithm for firewalls, " IEEE Transactions on Dependable and Secure Computing, vol. 8, no. 1, pp. 147-159, 2011.
- [9]Android Market, <http://Market.android.com>, 2011.
- [10]Android Open Source project, <http://Source.android.com>, 2011.
- [11]Brian C. Williams and Errin W. Fulp " A biologically modeled intrusion detection system for mobile networks, " Proceedings of the Broadband Wireless Computing Communication and Applications, no.6, pp. 453-458, 2010.
- [12]Kamer Ali Yuksel and Osman Kira " Enhancing security of linux-based Android devices, " Proceedings of the 15th International Linux Kongress, no.5, pp. 26-34, 2008.
- [13]A. Shabtai, Y. Fledel, U. Kanonov, Y. Elovici, S. Dolev, and C. Gleze " Google Android: A comprehensive security assessment, " IEEE Security & Privacy, vol. 8, no. 2, pp. 35-44, 2010.
- [14]Lucas Davi, Alexandra Dmitrienko, Ahmad-Reza Sadeghi and Marcel Winandy " Privilege escalation attacks on Android, " Proceedings of the 13th Information Security Conference pp. 346-360, 2010.
- [15]Wook Shin, Shinsaku Kiyomoto, Kazuhide Fukushima and Toshiaki Tanaka " A formal model to analyze the permission authorization and enforcement in the Android framework, " Proceedings of the IEEE Social Computing, pp. 994-1002, 2010.
- [16]William Enck, Peter Gilbert, Byung-Gon Chun, Landon Cox, Jaeyeon Jung, Patrick McDaniel and Anmol Sheth " Taintdroid: an information-flow tracking system for realtime privacy monitoring on smartphones, " Proceedings of the USENIX Symposium on Operating Systems Design and Implementation, pp. 34-43, 2010.
- [17]G.Portokalidis, P.Homburg, K.Anagnostakis, and H.Bo " Paranoid Android: versatile protection for smartphones, " Proceedings of the 26th Annual Computer Security Applications Conference, pp. 48-54, 2010.
- [18]Avik Chaudhuri " Language-based security on Android. " Proceedings of the 4th ACM SIGPLAN Workshop on Programming Languages and Analysis for Security, pp. 1-7, 2009.
- [19]D. Barrera, H. G. u. c. Kayacik, P. C. van Oorschot and A. Somayaji " A methodology for empirical analysis of permission-based security models and its application to android, " Proceedings of the 17th ACM conference on Computer and communications security, pp. 73-84, 2010.
- [20]W. Shin, S. Kiyomoto, K. Fukushima, and T. Tanaka " Towards formal analysis of the permission-based security model for Android, " Proceedings of the 5th International Conference on Wireless and Mobile Communications, pp. 87-92, 2009.
- [21]Wook Shin, Sanghoon Kwak, Shinsaku Kiyomoto, Kazuhide Fukushima and Toshiaki Tanaka " A small but non-negligible flaw in the Android permission scheme, " Proceedings of the IEEE International Symposium on Policies for Distributed Systems and Networks, pp. 57-62, 2010.
- [22]Mohammad Nauman, Sohail Khan, and Xinwen Zhang " Apex: extending Android permission model and enforcement with user-defined runtime constraints, " Proceedings of the 5th ACM Symposium on Information Computer and Communications Security, pp. 85-94, 2010.
- [23]Asaf Shabtai, Uri Kanonov and Yuval Elovici " Intrusion detection for mobile devices using the knowledge-based, temporal abstraction method, " Journal of Systems and Software, vol. 83, no. 8, pp. 1524-1537, 2010.
- [24]Cui Xiang, Fang Binxing, Yin Lihua, Liu Xiaoyi, and Zang Tianning " Andbot: towards advanced mobile botnets, " Proceedings of the 4th USENIX conference on Large-scale exploits and emergent threats, pp. 41-50, 2011.

- [25] Shui Yu, Wanlei Zhou, and Robin Doss " Information theory based detection against network behavior mimicking DDoS attacks, " IEEE Communications Letters, vol. 12, no. 4, pp. 318-321, 2008.
- [26] Tom Fawcett " An introduction to ROC analysis, " Pattern Recognition Letters, vol. 27, no. 8, pp. 861-874, 2006.
- [27] Wireshark, <http://www.wireshark.org>, 2011.