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Android Malware Detection using Opcode

Prof. S. S. Raskar[1], Aakash Kumar[2], Arshit Kumar[3], Harshad Jagtap[4], Ketan Chavan[5]
Professor, Department of Computer Engineering[1]
Students, Department of Computer Engineering[2,3,4,5]
Modern Education Society's Wadia College of Engineering, Pune, India

Abstract: *A permission-based system that restricts third-party Android applications' access to essential resources on an Android device is the foundation of Android application security. Before the installation, the user must consent to the set of rights that the programme requests. This procedure attempts to warn users of the risks involved in installing and using an application on their device; however, in the majority of cases, even in cases where the permission system is well understood, users are not sufficiently aware of the threat at stake, and they place their trust in the application's popularity or the application store, accepting the installation without questioning the developer's motivations. More and more methods are being developed to use machine learning classifiers to characterise malware based on its rights, either associatively or individually. This research aims to explore existing literature on malware characterisation and detection strategies based on the above mentioned factors. In order to do so, we highlight the shortcomings of previous studies and offer encouraging ideas for further investigation*

Keywords: Hash Generation , Key Recovery, Blockchain, Government Funding