International Journal of Computer Science and Engineering (IJCSE)
ISSN(P): 2278–9960; ISSN(E): 2278–9979
Vol. 9, Issue 5, Jul–Dec 2020; 1–6

International Academy of Science, Engineering and Technology
Connecting Researchers; Nurturing Innovations

TWALK SECURITY DETECTION METHOD FOR ANDROID APPLICATION WITH SVM CLASSIFICATION METHOD

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ABSTRACT

This paper deals with the android application security detection method, based on the permissions .Mobile applications create their own security and privacy models through permission-based models. Some applications may request extra permissions that they do not need but may use for suspicious activities. The aim of this study is to identify those spare permissions requested and use this information in the security and privacy approach. To combat serious malware campaigns, we need a scalable malware detection approach that can effectively and efficiently identify malware apps. The proposed method based on metropolis algorithm with twalk is to provide the detection method for the android security of the applications based on the permissions that the applications request from the users during installations. This method helps to speedup detection and also increasing the sampling rate. Accuracy, precisions and recall values are calculated using true and false positive and negativerates depending on which this model is selected to detect the security of the android application.

KEYWORDS: *Attacks, Android Security, Permissions, Methods*

Article History

Received: *10 Jul 2020* **|** ***Revised:*** *14 Jul 2020* **|** ***Accepted:*** *23 Jul 2020*