

عنوان مقاله:

Android Malware Detection Using Mobile Traffic Classification

محل انتشار:

سومین کنگره بین المللی کامپیوتر، برق و مخابرات (سال: 1395)

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نویسندگان:

Masoumeh Ghasemi - *Department of Information Technology, Electronic Branch, Islamic Azad University (IAU),
Tehran, Iran*

Arash Habibi Lashkari - *Department of Information Technology, Electronic Branch, Islamic Azad University (IAU),
Tehran, Iran*

خلاصه مقاله:

Due to the dramatically growing development of mobile technology and its applications in all daily activities, especially banking and e-commerce, without a doubt mobile malware is one of the most serious and common threats in the electronic world. These threats are using smart techniques and are able to damage users' data and communications. In the wake of rapidly increasing use of smartphones and boundless its applications, this research is focusing on different family of Android malware by analysis their generated traffic. Two different machine learning algorithms and feature selection techniques have been selected to find the best set of features for detecting the malware traffics. Two feature selection algorithms namely SubsetEval and Infogain have been used for reducing number of features and then two machine learning algorithms KNN and J.84 have been selected for analyses and calculate the accuracy of proposed method. The main objective of this research is reducing the time and also eliminate the detection process

کلمات کلیدی:

malware, smartphones, classification, feature selection, machine learning algorithms, traffic analysis

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