
Abstract

With the increasing the number of Android device user, the malware has also developed and can evolve therefore it makes the system difficult to detect and defend from malware. The malware development is the serious problem since it can ruin and steal the data and information in the device. Hence, it is necessary to mitigate to secure the device by detecting the Android malware using Random Forest algorithm. This algorithm is chosen because it has highly accuracy score. This research, utilizes the permission and intent features which has been sorted by information gain score. From this research, obtained the accuracy score and the best set features for detect the malware.

Keywords: machine learning, android malware detection, static detection, random forest, permission, intent
