Abstract

Smartphone users are growing very fast in recent years, along with this mobile threats also increasing side by side. A mobile malware is a malicious code that aims to harm the devices. Malwares can cause system failure, decreasing battery charges, steals the information and corrupts data and go up the maintenance cost. So mobile phone security is vital one. Downloading mobile apps from the third party play store is risky one because a malware programmer inserts malevolent code into this. Users use these applications in their mobile phones and the malicious code misuse it without their knowledge. So many techniques are used to detect malwares. This paper uses a source/static code analysis to find the vulnerabilities in the applications and it also uses N-gram analysis to detect unknown malware characteristics.
Source Code Analysis for Software Vulnerabilities in Android based Mobile Devices


Index Terms

Computer Science
Software Engineering
Source Code Analysis for Software Vulnerabilities in Android based Mobile Devices

**Keywords**

Malware  Android  Static Analysis  N-Gram  SVM  Vulnerability  CVSS