

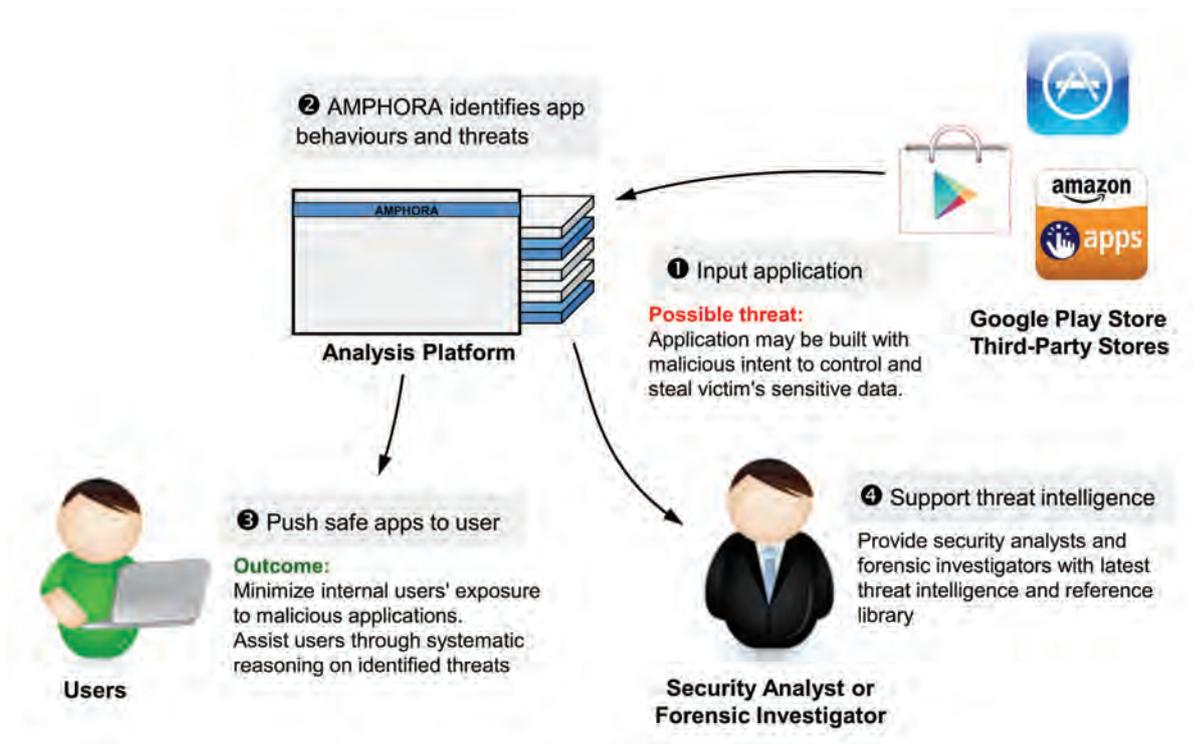


Installing third party applications (apps) on smartphones has been made so convenient that we sometimes overlook the power that is granted to the installed apps. Not only does your smartphone contain a wealth of personal and work documents, as a close companion for your communication needs, it carries your day-to-day private data. Thus, there is a need to be aware of what are the actual comprehensive behaviours of a mobile app, besides what it claims to do.

I²R automated mobile app analysis will analyse the app to understand its behaviour and provide you with details describing, for example what the app will do, the personal data it will access, the servers it will communicate with. The analysis engine also evaluates whether those operations are potentially harmful or privacy-invading, and their severity level. In addition, it also dynamically induces events into the app, causing any malicious behaviours to be detected as early as possible. The generated analysis report will allow you and your organisation to make a more informed decision about whether or not the app is safe to use.

Features

- Automated analysis of apps to derive their actual functionalities and behaviour
- Highlights potentially harmful or privacy-invading operations with detailed explanation
- Risk score for various attack types for easy understanding of non-technical users
- Resistant to malware mutation and evolution



Applications

- Screening of apps before they are allowed to be installed on devices
- Screening of apps before they are allowed on app markets or the cloud for user downloads
- Assist with the investigation of malware characteristics and behaviors

Benefits

- Improve device security by preventing malware installation
- Reduce risk of malware being made available for download in app markets, thus providing users' security.
- Reduce time, effort and errors of manual analysis
- Separate malicious apps from benign ones, and mitigation prioritization (malware triage)