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Detecting android malicious apps and categorizing benign apps with ensemble of classifiers

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- First work to provide a complete solution for automated categorization of apps
- Extract 2,374,340 features from each APK file
- Use ensemble of multiple classifiers to improve the detection accuracy
- Use large data set containing 107,327 benign apps and 8701 malapps for testing
- Employ five classifiers and compare the results of each classifier
- Reach detection accuracy as 99.39% and categorization accuracy as 82.93%

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