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(57) Abstract :
A system (100) and a method (200) for automated mining and remediation of application program vulnerabilities is provided. The system involves advanced static analysis techniques, machine learning algorithms, and comprehensive data collection. The system enhances efficiency and accuracy in identifying potential security vulnerabilities, offers a comprehensive analysis of one or more android applications, classifies vulnerabilities based on severity and exploitability, and suggests effective remediation strategies. The system's advantages include enhanced efficiency, advanced analysis techniques, machine learning capabilities, and scalable application. The system improves the security and privacy of android users by automating the process of vulnerability detection and remediation.

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