ASSESSING THE RISK OF USING IOS-BASED AND ANDROID-BASED MOBILE DEVICES

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Abstract

The objective of this research is to evaluate what are the risks of using Android-based and iOS-based mobile devices. The evaluation is done by conducting risk assessment on both systems and providing the recommended controls to help reduce the risks. From the results of the assessment, using Android devices poses higher risk than using iOS devices. The main difference is caused by the distribution of malware in which malware on Android devices distributes a lot easier than iOS devices. Another important result is that jail-breaking iOS device is dangerous for users in security aspects. A penetration test on jail-broken iPhone using a malware sample was conducted to strengthen this result.

Key words: iOS, Android, security, risk assessment