ABSTRACT

SECURITY STATIC ANALYSIS OF ANDROID-BASED VIDEO STREAMING APPLICATION USING MOBILE SECURITY FRAMEWORK (MOBSF)

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Video streaming is an internet-based video and audio transmission service. This service is transmitted to a large number of people that visit an online video website. Video streaming application users in Indonesia have increased from 2018 to 2021. The current situation, which is still in a pandemic phase, is increasing the public's desire to use video streaming programs, particularly those based on Android. Users of streaming video applications cannot overlook the app's security. Because so many people have access to Android-based video streaming apps, crackers may use them to conduct crimes. Furthermore, there is personal data of users of video streaming programs, such as usernames, passwords, and phone numbers, which could be accessed by unscrupulous individuals. The goal of this research is to identify security flaws in an Android-based video streaming software. On android-based video streaming apps, researchers employed the mobile security framework (MobSF) to examine static security with parameters such as dangerous permissions, weak crypto, root detection, SSL bypass and domain malware check. Applications Y, N, and V have dangerous permissions, weak crypto, SSL bypass and domain malware check with a good status, according to the findings of this study. Only application Y is not able to root detection.

Keywords*: android, MobSF, security, static analysis, video streaming.*