

Filling the Gap of Extraction of Digital Evidence from Emerging Platforms Without Forensics Tools

Authors : Yi Anson Lam, Siu Ming Yiu, Kam Pui Chow

Abstract : Digital evidence has been tendering to courts at an exponential rate in recent years. As an industrial practice, most digital evidence is extracted and preserved using specialized and well-accepted forensics tools. On the other hand, the advancement in technologies enables the creation of quite a few emerging platforms such as Telegram, Signal etc. Existing (well-accepted) forensics tools were not designed to extract evidence from these emerging platforms. While new forensics tools require a significant amount of time and effort to be developed and verified, this paper tries to address how to fill this gap using quick-fix alternative methods for digital evidence collection (e.g., based on APIs provided by Apps) and discuss issues related to the admissibility of this evidence to courts with support from international courts' stance and the circumstances of accepting digital evidence using these proposed alternatives.

Keywords : extraction, digital evidence, laws, investigation

Conference Title : ICDFJS 2024 : International Conference on Digital Forensics and Justice System

Conference Location : Bangkok, Thailand

Conference Dates : February 01-02, 2024