Abstract

Communication in today's world is mostly dependent on mobile phones allowing users to exchange messages, ideas, videos and audios. Numerous instant messengers are available for mobile devices which are better alternative over SMS technology. However, increased use of instant messengers also gave rise to its negative impact including unwanted activities pertaining to cyber crimes. WhatsApp and Viber are mostly used instant messengers on Android mobile devices. In this paper, we perform forensic analysis procedures to obtain artifacts of WhatsApp and Viber applications. During analysis, we focus on artifacts such as messages, contacts, chat history, attachments etc. from the memory of mobile device. We present our research findings after implementation of forensic procedures using freely available tools and software. The artifacts obtained during analysis are relevant to use as evidences in court of law against any criminal incident.
Implementation of Forensic Analysis Procedures for WhatsApp and Viber Android Applications


Index Terms

Computer Science  Information Sciences

Keywords