Abstract
Consumers of cloud computing services have different needs depending on the situation at hand, privacy can be considered as one of the main needs of consumers. Since using public cloud storage can be considered as a loss of privacy, private cloud storage can be used to meet consumer needs. With the guarantee of privacy in private cloud storage, private cloud storage can be used as a tool for criminal activities in cyberspace. Therefore, digital forensic practitioners need to understand the private cloud storage investigation process. Digital forensic experiments using Nextcloud are used to provide forensic practitioners with an integral understanding of artifacts found on private cloud storage servers and their clients. The artifacts found in this experiment demonstrate artifacts that are useful in the process of digital private cloud storage forensic investigations. Moreover, this experiments also provides general guidelines for forensic analysis of digital private cloud storage.

Keywords: digital forensic, private cloud storage, nextcloud