Abstract

Amongst all recently emerging research paradigms, Cloud Computing is very much significant due to its utility services provisioning with shared and virtualized resources. Cloud is going to provide Everything-as-a-Service (EaaS) in very near future because all the services (Infrastructure, Platform, Software) will be made available as and when required and that too with high flexibility and low cost. Consumers can avail all the services without investing for infrastructures. There lies the spark of it which attracts the cloud attackers to get indulged in malicious activities and this creates a threat for this technology. Cloud Forensics is a new outlook introduced to identify, analyze and investigate these security threats. This paper insights a better awareness about cloud forensics illustrating all its related technical aspects, few of the suggested architectures and thus it identifies the major research scopes and challenges as well so that Cloud technology can be made secure from various threats and attacks.
34. Deng, Hua, Qianhong Wu, Bo Qin, Jian Mao, Xiao Liu, Lei Zhang, and Wenchang Shi.


**Index Terms**

Computer Science

Information Sciences

**Keywords**

Digital forensics; cloud computing; cloud forensics; SaaS; PaaS; IaaS; virtualization;