A Forensics Approach for Hypervisor

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Authors:
Lokendra Pratap Singh, Mukesh Kumar

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Abstract

Cloud Forensics defines as a post investigation and discussion of the survey results generated by the cyber attacks over Cloud. The exponential growth of the Cloud in private and public Sectors has also increased the Cyber Crimes in the Cloud. Virtualization is the Techniques running at the back of Cloud computing in which virtual machines simultaneously operates and application that controls and managed them is hypervisor. Many models for security of virtualization have been proposed for the protection of resources but still virtualization is being vulnerable to many attacks. Hypervisor forensics is a post approach to investigate and analyze security threats at hypervisor level. In this paper we have proposed an algorithm and implement this framework which will work for maintaining the data log file in terms of attacks graphs.

References

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Index Terms

Computer Science Security

Keywords

Hypervisor, Virtual Machine, rootkit, Cloud Computing