Abstract

Cloud Computing is the emerging technology in IT which aims more and more users to be part of it. Cloud computing is a revolution in IT the way resources are utilized and managed. It is an emerging and prosperous field for both academically and industrially. With its wide acceptance today security is a vital concern. Technique running at the back of Cloud computing is virtualization 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 an post approach to investigate and analyze security threats at hypervisor level. This research field will be beneficial for reducing crime rate at network level and improve security. This paper aims to understand some of the proposed model and identify research gap and challenges to provide better awareness of hypervisor forensics. The benefit of this work is that it depicts the state-of-the art in hypervisor forensics.
Understanding Threats in Hypervisor, its Forensics Mechanism and its Research Challenges


Index Terms

Computer Science  Information Sciences

Keywords

Hypervisor  Hypervisor Forensics  Cloud Forensics  Virtual Machine Monitor