Abstract

Cloud Computing is the new buzz word in today’s computing world. Although there is huge buzz, many people are confused as to exactly what cloud computing is, especially as the term can be used to mean almost anything. The paper is categorized in three parts. The first part of this paper briefly explains the cloud computing model. The second part of the paper follows a discussion on what security threats and challenges pose in front of this technology. While the final part focuses on how virtualization plays an important role in cloud computing and talks about techniques for securing the virtual machines over the cloud. The paper talks about what assumptions are made by existing kernel integrity-checking mechanisms which may not work in cloud environment and finally discuss an integrity discovery system using secure introspection [1] for virtual environments which ensures high security.

References

Security Aspects of Cloud Computing


Index Terms

Computer Science

Security

Keywords

Cloud computing  cloud delivery model  cloud deployment model  advantages of cloud security concern in cloud

security measures in cloud

virtualization and secure introspection.