A Deep Study on Security Vulnerabilities in Virtualization at Cloud Computing

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Abstract

Virtualization is the process of creating a virtual representation of architecture. It has advantages on five components; sharing, isolation, aggregation, dynamics, and ease of management. However, issues that rise due to the nature of virtualization, especially security issues has skyrocketed. To counter this, a number of solutions has been presented in multiple literature. In this paper, a new solution to improve the security of the system is proposed. In addition, the flaws of the current implemented system are discussed, and the advantages of the proposed system over the current implemented system are listed out.

References

and challenges. Information Sciences, 305, 357-383.


Index Terms

Computer Science

Distributed Computing

Keywords

Virtualization, Cloud Computing, Hypervisor, Virtual machine, IaaS, PaaS, SaaS.