Abstract

Today cloud computing platform is de-facto and strategic component of corporate and end user applications usage in pervasive and ubiquitous manner. The level based services makes the higher possibilities of availability, scalability, collaborative in most cost effective way. However integration of various service layers into cloud stack also invites intrinsic threats, risk and vulnerabilities, thus security become prime concern for the adaptabilities. This paper mainly focus on understanding the changing trends of usage of cloud computing platform for various services, fundamental research approaches towards cloud security and finally need of requirements for strengthening the security protocol. The facts, concept and statistics illustrated in this paper is of extensive use to the researchers, industries and academicians towards developing new mechanisms and protocol for future secured cloud framework.

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Index Terms

Computer Science Distributed Computing

Keywords

Cloud computing, Cloud Stack, Security Secured Cloud Framework, Vulnerability