Abstract

Cloud computing is a fastest growing technology in recent years. Cloud computing holds the potential to eliminate the requirements for setting up of high-cost computing infrastructure for IT-based solutions and services that the industry uses. Cloud services are becoming an essential part of many organizations. It promises to provide a flexible IT architecture, accessible through internet from lightweight portable devices. In a cloud computing environment, the entire data resides over a set of networked resources, enabling the data to be accessed through virtual machines. Cloud providers have to adhere to security and privacy policies to ensure their users' data remains confidential and secure. Though there are some ongoing efforts on developing cloud security standards, most cloud providers are implementing a mish-mash of security and privacy controls. This extensive survey paper aims to elaborate and analyze the populous vacillating issues threatening the cloud computing environment.

References
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Index Terms

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Keywords

Cloud Computing, Security, Authentication, Saas, Paas, Iaas