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SURVEY ARTICLE

A Survey on Privacy-Preserving Techniques for Secure Cloud Storage

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Abstract— Cloud computing is the technology which enables obtaining resources like so services, software, hardware over the internet. With cloud storage users can store their data remotely and enjoy on-demand services and application from the configurable resources. The cloud data storage has many benefits over local data storage. . Users should be able to just use the cloud storage as if it is local, without worrying about the need to verify its integrity. The problem is that ensuring data security and integrity of data of user. so here ,we are having public auditability for cloud storage that users can resort to a third-party auditor (TPA) to check the integrity of data . Here, this paper gives the various issues related to privacy while storing the user's data to the cloud storage during the TPA auditing. Without appropriate security and privacy solutions designed for clouds this computing paradigm could become a big failure. We are a giving privacy-preserving public auditing using ring signature process for secure cloud storage system. In this paper we are going to analyze various techniques to solve these issues and to provide the privacy and security to the data in cloud.

Index Terms— Cloud computing, Data storage, privacy-preserving, Security, Integrity.

Full Text: <http://www.ijcsmc.com/docs/papers/February2014/V3I2201499a24.pdf>