

A Framework For Securing Data In The Cloud Using Trusted Third Party Auditing.

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- **Abstract:** Cloud Computing has become the most widely accepted platform of choice for data storage and processing. Thus, high level security and compliance from the cloud service providers is of paramount importance. Continuous auditing from the third party would be an appropriate solution for ensuring trustworthiness of the data stored in the cloud. The objective of the work is to create a framework for public auditing using Third party auditor (TPA) with improved confidentiality and integrity. The outsourced in the cloud is at the risk of data breach if proper security measures are not adopted. Here, the auditor is provided with the responsibility of protecting the data from any unauthorized access. This ensures trust among the data owners. Confidentiality of the data is achieved by storing the encrypted blocks in the cloud.
- **Keywords:** paramount importance, Confidentiality, appropriate solution