Abstract

It is very challenging part to keep safely all required data that are needed in many applications for user in cloud. Storing our data in cloud may not be fully trustworthy. Since client doesn’t
have copy of all stored data, he has to depend on Cloud Service Provider. But dynamic data operations, Read-Solomon and verification token construction methods don't tell us about total storage capacity of server allocated space before and after the data addition in cloud. So we have to introduce a new proposed system of efficient storage measurement and space comparison algorithm with time management for measuring the total allocated storage area before and after the data insertion in cloud. So by using our proposed scheme, the value or weight of stored data before and after is measured by client with specified time in cloud storage area with accuracy. And here we also have proposed the multi-server restore point in server failure condition. If there occurs any server failure, by using this scheme the data can be recovered automatically in cloud server. Our proposed scheme efficiently checks space for the in-outsourced data to maintain integrity. Here the TPA necessarily doesn't have the delegation to audit user’s data.

Reference

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Index Terms

Computer Science  
Security
Key words

Storage measurement  Space comparison algorithm
Restore access point

Time management

Cloud server