



RESEARCH ARTICLE

Verifying Integrity and Availability in Multi-Cloud Using PDP

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Abstract— In this paper we are going to say an efficient technique that describes how integrity is maintained in storage of the data. We provide this by using the concept of Provable data possession which supports a good service and migration of data in a distributed cloud environment, where we take into account of multiple cloud service to store and also to maintain the data of the clients. We hereby deliver a new concept called cooperative provable data possession (CPDP) using hash index hierarchy and homomorphic verifiable response. Security of the system is proved based on a scheme zero-knowledge proof system. We use optimal parameters to improve the system performance efficiently and cost of computation for the client and cloud storage providers.

Key Terms: - Provable data possession; Multi- cloud; Cooperative; Parallel; Distributed

Full Text: <http://www.ijcsmc.com/docs/papers/April2013/V2I4201317.pdf>