

PROTECTING PUBLIC INTEGRITY IN CLOUD STORAGE USING BLOCK CHAIN TECHNIQUE

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The organization of distributed storage administrations has conspicuous advantages in overseeing information for clients. Although it causes numerous security concerns where information integrity is one among them. Public confirmation systems can empower a client to utilize an external evaluator to confirm the information about the clients respectively; existing public confirmation plans are powerless against persisting inspectors who may not perform evaluation on schedule. Moreover, the vast majority of Public authentication plans are built on the Public Key Infrastructure (PKI), and subsequently experience the problems faced by certificate management. In this paper, we propose the principal Certificate-less Public Verification scheme against Procrastinating Auditors (CPVPA) by utilizing block chain innovation. The key thought is to expect inspectors to record every check result into a block chain as an exchange. Since exchanges on the block chain are limited, the confirmation can be in intervals after the relating exchange is recorded into the block chain. This may empower the clients to check whether examiners play out the verifications at the given time limit. Also, CPVPA is based on certificate less cryptography, and is free from the authentication the executive's issue. We present thorough security evidences to exhibit the security of CPVPA, and lead an extensive execution assessment to demonstrate that CPVPA is productive.