

Cloud Based Data Distribution and Data Encryption

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Abstract: *Cloud Storage services have shown their great power and wide popularity. We are providing fundamental support for rapid development in cloud computing. Due to the management negligence and unauthorized attacks, however there are still enormous security incidents that occur. Lead to leakage of quantities of sensitive data at the cloud storage layer. This survey consolidates research on the novel solution, the cloud secure storage mechanism (CSSM). CSSM integrates data dispersion - through fragmentation or erasure coding to avoid a data breach at the storage layer. Distributed storage is to achieve encrypted, chunked, and distributed storage. Further, CSSM follows hierarchical key management methodology by combining a user password with Shamir's Secret key. It prevents the leakage of cryptographic materials. It has been designed to be most applicable to sensitive sectors such as health and finance. Therese research's shows several implementations are effective for ensuring the data privacy or leakage*

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