Abstract

The present business trend highly demands more sophisticated techniques for remote data storage to stay alive in the competition among the business holders. The situation is more critical when the data to be stored is confidential information such as business policies, business rules and statistical data about the organization that is often needed to be shared with in the trusted enclave. Inevitably this scenario forces the need for the remote data integrity on mistrusted public cloud where the integrity of the data is not only being checked by the owner of the file but also by the people in the trusted enclave. This paper addresses new solution for remote data integrity using access code by implementing data level dynamics without the need for third party auditors.

References

- F. Sebe, J. Domingo-Ferrer, a. Martinez-Balleste, Y. Deswarte, and J. -J. Quisquarter,
A Secure Access Code Technique for Remote Data Integrity on Public Cloud


C. Wang, Q. Wang, K. Ren, and W. Lou, Ensuring data storage security in cloud computing; in IWQoSapos;09, pp. 1 –9, july 2009.


Z. Hao and N. Yu, A multiple-replica remote data possession checking protocol with public verifiability; in ISDPE2010, IEEE.

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