

PRIVACY AND INTEGRITY PRESERVING QUERY PROCESSING ON ENCRYPTED CLOUD DATA

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Nowadays, Cloud storage is gaining importance among individual and institutional users. Cloud server is always considered to be un-trusted, as it is maintained by third party, thus the data stored in cloud is always encrypted and uploaded. Existing schemes available on query processing over cloud data, they explain both Boolean and K-NN query processing over encrypted data on cloud. However, those work lag under verifying query results over encrypted data. The proposed work propose an efficient scheme for verifying the query results. In the proposed work, an accumulation tree is constructed based on encrypted data and then outsourced both of them to the cloud. Data users, search with a Boolean query, the cloud generates the corresponding proof according to the query result by mapping Boolean query operations to set operations while keeping privacy-preservation and achieving the verification requirements.