

5 Conclusion

In this paper, a multi-keyword ranked search scheme over encrypted cloud data is proposed, which meanwhile supports latent semantic search. We use the vectors consisting of TF values as indexes to documents. These vectors constitute a matrix, from which we analyze the latent semantic association between terms and documents by LSA. Taking security and privacy into consideration, we employ a secure splitting k-NN technique to encrypt the index and the queried vector, so that we can obtain the accurate ranked results and protect the confidence of the data well. The experimental effect is remarkable

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