Proof of Retrievability in Cloud Computing Environment using Sharing of Key based on Resource

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Abstract

The storage and retrieval of data over cloud computing is big issue. For the storage and retrieval cloud computing used the concept of authentication and authorization. The process of authentication and authorization used primary and secondary authentication system. In primary authentication system used login id and password, in secondary login used the OTP and some other verification code. In both login systems trap the OTP code and primary information of user and the security process of cloud environment are compromised. In this paper proposed a model of secured access based on the concept of fake and genuine user. In the case of fake user the received file is fake. This file is generated by the system. For the authentication of genuine and fake user used the concept of shared key concept. The shared key gives the option of retrieval of data over cloud environment. The proposed model implemented in java software and used java RMI tool for access of remote machine.

References


Index Terms

Computer Science

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Keywords

Authentication, cryptography, Sharing of Key.