Revocation based Access Control with Anonymous Authentication for Decentralized Cloud

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Abstract
Cloud based technology is the modern technology that can provide the data availability anywhere at any time. Day by day large amount of data can be processed by the cloud; Issue to be focused on cloud system is the Security. we are proposing an authentication for anonymous user and providing access control for every valid user by decentralized way. There are various cloud based system that provides an centralized access control, proposed system focuses on decentralized access control system that using multiple KDC's. every authorized user can get authorized key for accessing data stored in cloud The data stored in cloud is in encrypted format and only authorized user can have valid key to decrypt the data. Proposed system focuses on security of data stored in cloud. System is secure and robust that only valid user can read, write and manipulate the data stored in cloud. Anonymous user can also have the authentication key to access the cloud. User can anonymous to other user not for the cloud. The process of revocation is an added feature of our proposed system.

References

- "ACCESS CONTROL IN CLOUD COMPUTING ENVIRONMENT", Vol. 7,
Index Terms

Computer Science  Distributed Systems

Keywords

Cloud Storage  Access Control  Key Distribution Center  Encryption  Decryption

Authentication  Validation

revocation.