Abstract

Online information maintenance through cloud applications allows users to store, manage, control and share their information with other users as well as Cloud service providers. There have been serious privacy concerns about outsourcing user information to cloud servers. But also due to an increasing number of cloud data security incidents happened in recent years. Proposed system is a privacy-preserving system using Attribute based Multifactor Authentication. Proposed system provides privacy to users data with efficient authentication and store them on cloud servers such that servers do not have access to sensitive user information. Meanwhile users can maintain full control over access to their uploaded files and data, by assigning fine-grained, attribute-based access privileges to selected files and data, while different users can have access to different parts of the System. This application allows clients to set privileges to different users to access their data.
Index Terms

Keywords

Computer Science
Security

Multifactor authentication Digital Identity Management Zero Knowledge Proof
Inter cloud

ElGamal.