Abstract

There has been a growing trend to use the cloud for large-scale data storage. It has raised the important security issue of controlling and preventing any unauthorized access of data stored in the cloud. The role-based access control (RBAC) one of the well known access control model provides flexible controls and management by providing two mappings, one by mapping users to the roles and another by roles to the privileges on the data objects. In this we will discuss a role-based encryption (RBE) scheme that has been used previously with RBAC. A hybrid cloud storage of the RBE scheme architecture permits an organization to store data secure in a public cloud and maintains the private information related to the organizational structure in a private cloud. In this we will also focus on the models that are available in cloud computing.

References

2011.
A Review of Role based Encryption System for Secure Cloud Storage


Index Terms

Computer Science  Distributed System

Keywords

Role Based Access Control (RBAC)  Role Based Encryption (RBE).  Access Control Models
Multi-tenancy Model.