Strong Key-Exposure Resilient Auditing for Secure Cloud Storage

ABSTRACT

Since a lot of data is dynamically updated and stored in today's scenario, the previous methods used for checking static data integrity can no longer be applied to analyze the integrity of the stored dynamic data in the cloud. Now we focused on key management in a built in key exposure resilient system. Duplicate of data wherein the built-in key exposure resilient system will check the duplicate data, eliminate the redundant one and store the data in the cloud storage with secure.

EXISTING SYSTEM

Nowadays, cloud storage is becoming one of the most attractive choices for individuals and enterprises to store their large scale of data. It can avoid committing large capital of users for purchasing and managing hardware and software. Although the benefits of cloud storage are tremendous, security concerns become significant challenges for cloud storage. One major concern on cloud storage security is about the integrity of the data stored in cloud. Because clients lose the control of their data stored in cloud and data loss might happen in cloud storage, it is natural for clients to doubt whether their data are correctly stored in cloud or not.

Disadvantages

- Client doesn't know whether their data are correctly stored in cloud or not.
- Cloud storage security is less.

PROPOSED SYSTEM

We propose a new paradigm called strong key-exposure resilient auditing scheme for secure cloud storage. In this paradigm, the security of the cloud storage auditing not only earlier than but also later than the key exposure can be preserved. We formalize the definition and the security model of this new kind of cloud storage auditing and design a concrete scheme. The

security proof and the experimental results demonstrate that the proposed scheme is secure and efficient.

Advantages

- It achieves stronger security without decreasing the efficiency of key updates for the client.
- Client knows whether their data are correctly stored in cloud or not.

SOFTWARE REQUIREMENTS

Front-end	:	JSP
Back-End	:	MySQL
Server	:	Tomcat Server
OS	:	WINDOWS 7/above

HARDWARE REQUIREMENTS

PROCESSOR	:	CORE i3
RAM	:	512MB-2GB
HARD DISK	:	40GB