

Achieving secure, universal and fine-grained query results for secure search scheme over encrypted cloud data

Abstract:

When the user storing the data into the cloud, for security purposes before entering the data into the cloud that data will encrypt and that will be stored in the cloud. so when the user is searching for particular document this process will done on the encrypted format of data.

Existing system:

In the existing system they introduced the concept of searchable encryption and proposed a practical technique that allows users to search over encrypted data through encrypted query keywords in. Later, many searchable encryption schemes were proposed based on symmetric Key and public-key setting to strengthen security and improve query efficiency

Limitations:

There are two limitations in these schemes:

- 1) These verification mechanisms provide a coarse-grained verification, i.e., if the query result set contains all qualified and correct data files, then these schemes reply yes, otherwise reply no. Thus, if the verification algorithm outputs no, a data user has to abort the decryption for all query results despite only one query result is incorrect.
- 2) These verification mechanisms are generally tightly coupled to corresponding secure query constructions and have not universality.

Proposed system:

We propose a secure, easily integrated, and fine-grained query results verification scheme for secure search over encrypted cloud data. Different from previous works, our scheme can verify

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the correctness of each encrypted query result or further accurately find out how many or which qualified data files are returned by the dishonest cloud server. Performance and accuracy experiments demonstrate the validity and efficiency of our proposed scheme.

Advantages:

1. Accurate data Retrieval and providing access to authorized data users only.
2. Application performance has been improved.

SYSTEM REQUIREMENTS

H/W System Configuration:-

- Processor - Pentium –III
- RAM - 256 MB (min)
- Hard Disk - 20 GB
- Key Board - Standard Windows Keyboard
- Mouse - Two or Three Button Mouse
- Monitor - SVGA

S/W System Configuration:-

- Operating System : Windows95/98/2000/XP
- Application Server : Tomcat5.0/6.X
- Front End : HTML, Jsp
- Scripts : JavaScript.
- Server side Script : Java Server Pages.
- Database : MySQL 5.0
- Database Connectivity : JDBC