A Light weight secure Data sharing scheme for Mobile cloud computing

Abstract:

With the popularity of cloud computing, mobile devices can store/retrieve personal data from anywhere at any time. Consequently, the data security problem in mobile cloud becomes more and more severe and prevents further development of mobile cloud.

Existing system:

An encryption operation which takes one minute on a PC will take about half an hour to finish on a mobile device. Furthermore, current solutions don't solve the user privilege change problem very well. Such an operation could result in very high revocation cost. This is not applicable for mobile devices as well. Clearly, there is no proper solution which can effectively solve the secure data sharing problem in mobile cloud. As the mobile cloud becomes more and more popular, providing an efficient secure data sharing mechanism in mobile cloud is in urgent need.

Disadvantages:

1.There is no proper mechanism for providing the security for data that is presented in the mobile cloud.

2.user authentication and revocation cost will be high.

Proposed system:

In this paper, we propose a Lightweight Data Sharing Scheme (LDSS) for mobile cloud computing environment. We design an algorithm called LDSS-CP-ABE based on Attribute-Based Encryption (ABE) method to offer efficient access control over cipher text. We use proxy servers for encryption and decryption operations. In our approach, computational intensive

operations in ABE are conducted on proxy servers, which greatly reduce the computational overhead on client side mobile devices.

Advantages:

1. We are providing methods for efficient access of the data.

2. Performance has been increased with the reduced cost.

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

Further Details Contact: A Vinay 9030333433, 08772261612, 9014123891
#301, 303 & 304, 3rd Floor, AVR Buildings, Opp to SV Music College, Balaji Colony, Tirupati - 515702
Email: info@takeoffprojects.com | www.takeoffprojects.com