Abstract

Cloud computing is a internet based thing or next generation in information technology. Users store their large amount of data on a cloud server at the remote place without worrying about storage correctness and integrity of data. Security is viewed as one of the top positioned open issues in cloud computing. In most of the before proposed schemes, RSA algorithm was used for storage security. AES being faster in encryption and decryption as compared to RSA. The proposed system makes use of AES algorithm to maintain data integrity at the untrusted server. The client can alternative to a Third Party Auditor (TPA) to check the integrity of outsourced data and be worry free because user does not physical present at all time. The proposed storage security scheme also assures recovery of data files, in case of data loss or corruption.
To recover of that block or file to maintain data availability in the cloud server. It supports data dynamics where the user can perform different operations on files such as insert, delete and update as well as batch auditing, where multiple cloud client requests for storage correctness will be handled simultaneously which decrease communication and also computing cost. To expand the user level safety, proposed procedure supplied a click on point based graphical password scheme and One Time Password (OTP) on the time of uploading the file.

References


Index Terms
Computer Science
Information Sciences

Keywords
Cloud Storage  Data Availability  Data Auditing  Graphical Password  Privacy And Security.