Abstract

Cloud computing is one of the emerging forms of modern computing due to its many advantages. The security in the cloud data storage has become an important aspect of quality of service. As the number of users is on the tremendous increase, there arise many more issues since users look for the space to store sensitive data in the cloud. Along with variant advantages, the cloud storage has gained lot more advancement in both IT firms and Education fields since 2007. However, it also poses new challenges in creating secure and reliable data storage. Cloud delivers a facility for easy access over insecure or unreliable service providers. This paper addresses the security issues of storing sensitive data in a cloud storage service and this provides the need for the users to store the data in the trusted cloud providers. This proposes a cryptographic technique for cloud storage with encryption and decryption.
A novel approach is proposed for security in cloud storage. We also further look for the scheme which would check the integrity of their data and to optimize the mechanism efficiently and effectively.

References

Index Terms

Computer Science
Distributed Systems

Keywords
Cloud Storage; Key Generation System; Security; Confidentiality