Abstract

Cloud computing is a technology in which data can be stored and access at remote server without the installation of software as well as hardware being installed at client side. The quick growth in field of “cloud computing” has also increased data security concerns. Security is a constant issue for open systems and internet. When we are thinking about security, cloud really suffers a lot. Lack of security is the biggest hurdle in wide adoption of cloud computing. The weakness in user’s authentication process, integrity and lack of effective security policy in cloud storage leads to many challenges in cloud computing. This paper proposes a scheme to securely store and access of data via internet. Authors have proposed a double encryption scheme that not only provides security of user’s private data during storage and access over the cloud but also provides the authentication feature using Elliptic curve cryptography.

References


Index Terms

Computer Science

Distributed Systems

Keywords

Cloud Computing, AES, ECC, HmailServer, OTP.