Abstract

Cloud Computing plays a vital role in networking. All the applications nowadays shifted over the cloud as its easy availability of resources, sharing of resources, Virtualization makes the cloud computing popular. But with the immense growth of users over the cloud creates security issues that need to be resolved for the storage of data securely. The overall purpose of using the Mutual Authentication Algorithm is to detect the Malicious users over the network and avoiding side channel attack. Malicious user always try to grab the useful information of the authenticated user and makes the system vulnerable. The algorithm discussed in this paper for finding these types of users by using Mutual Authentication. Under this server and client authenticate each other credentials. Many researchers use various methods and techniques for secure the data i.e. AES algorithm, Deffie hellman algorithm, etc. This review paper proposed the algorithm for the authentication of user and provide a control the access by avoiding the untrusted entities.
11. Jian Yu, Quan Z. Sheng, Yanbo Han "Introduction to special issue on cloud and service computing" Springer-Verlag London 26 April 2013.


**Index Terms**

Computer Science Security

**Keywords**

Cloud Computing, Side channel Attack, Mutual Authentication.