Abstract

The definition of nowadays is with the data all around, there is a lot of data regarding with each fellow. There are many platforms to handle this data, but when it comes to similar data it is difficult to distinguish between multiple files that which two files are similar or not. When we upload the files or folders on the cloud then there may be some files that are repeated in the storage, to remove the duplicate files and maintain the security of files by encrypting the files we have proposed this paper in which we do the encryption and decryption based on attributes. Attributes are the specific credentials of the users with whom the uploaded files will be shared. The attributes are selected by the provider who will outsource his data on the cloud and want to share with the users matching with the same attributes.

In this paper we have created a website by which the data providers can upload their data on the cloud by selecting their specific credentials and then the attribute based users can then access those files from their portal. The website will be able to find the duplicate files so that the storage and network bandwidth can be optimized.