Abstract

In this paper, we have addressed a scenario, where a group of people are in need to access the common files of enormous size through mails. However, the space constraint observed in the mailbox of an individual, be in the public domain or in the private domain, either due to insufficient remaining space or the allocated space, the considerably large files cannot be communicated. We have proposed a simplex mail account, meant for people within an organization, academic institution, government, etc., wherein the bigger files can easily be stored and accessed through mail. The simplex mail account is a single mail account and can be viewed by number of people with two sets of privileges. Though a single mailbox is accessed with number of people simultaneously, the security issues are as good as the ones being offered by the other mailing systems already available.

**Index Terms**

Computer Science  
Information Sciences

**Keywords**

simplex mail account, authorization, two-factor authentication, repudiation, denial of service.