

METHOD AND SYSTEM FOR EFFICIENT DISTRIBUTION OF E-MAIL ATTACHMENT

Abstract

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This invention relates to a method and system of sending and receiving large file via e-mail among a number of e-mail clients via a server and a plurality of slice stores. The system performs in the following manner. The system creates an e-mail. If the e-mail contains a file, the system slices the file to many pieces using a secret matrix. The system then transmits the slices to a number of slice stores. A proxy attachment containing information of the sliced file is generated. The file is then replaced by the proxy attachment in the e-mail. An attachment information is transmitted to the server and the e-mail is subsequently transmitted to at least two e-mail clients which are intended to receive the e-mail. A recipient receiving the e-mail with proxy attachment will attempt to retrieve the slices among the recipients or the slice stores in order to form the original file.

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Figure 1