

Secure Messaging System for Multiple Recipients

Kyaw Thura Win, Nwe Nwe

University of Computer Studies, Mandalay

Kyawthurawin46@gmail.com

Abstract

Secure communication in physically vulnerable networks depends upon encryption of material passed between machines. It is feasible for each computer in the network to encrypt and decrypt material efficiently with arbitrary keys. Computer systems store large amount of information, some of which is highly sensitive and valuable to their users. Users can trust and rely on it only if the various resources and information of a computer system are protected against destruction and unauthorized access. In a computing system, the data and information is shared among many users, the system is mainly to apply the public-key encryption , to provide or confidentially and data origin authentication or data integrity. This system encrypted messages with OAEP combined the RSA. An asynchronous send simply queues the message for transmission without waiting for it to be received by using the public –key encryption, user responsible for kept their secret private key and high-security data encryption which is performed for the multiple recipients.