Chat Application with Encryption

KIJ PROJECT

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# Chat Application

* Server in C programming – As resquest.
* Desktop based with C# programming
* User Management – Multi User
  + Username
  + Password
* High Security

Full encrypted chat. All conversation will be encrypted

# The Encryption

* RSA & AES Algorithm
* AES is a fast algorithm, suited to encrypt a whole conversation

Easy to implement, offer good defenses against various attack techniques, more secure than DES and 3DES as the algorithm is stronger and uses longer key lengths

* RSA to exchange keys securely
* How it works?
  + Every user has public RSA key of other user.
  + User can start conversation by using other participat public key
  + In this state, secret AES key will be use to encrypt the rest coversation

# Documentation