

ChaCha20 Private Messenger

Test Skeleton

- Python program
 - Test the two modes; encryption and decryption
 - Send simple message over server. Is it readable on both ends?
 - Send long, multiline message. Is it readable on both ends?
 - Send several messages in quick succession. Are all being sent and received?
 - Key establishment
 - Try to establish a unique key following the step by step instructions indicated by the program.
 - Send messages using unique key. Are messages encrypted and decipherable on the other end? Check if they are readable in transmission and at the other end.
- Webhook
 - Are messages being sent to the correct server? Send a message and verify.
 - Are messages decipherable in transmission? Try viewing one on the server.
- Bot downloader
 - Are the correct messages being read on the other end? Send multiple back to back and verify that each was received and passed along to the Python decrypter.