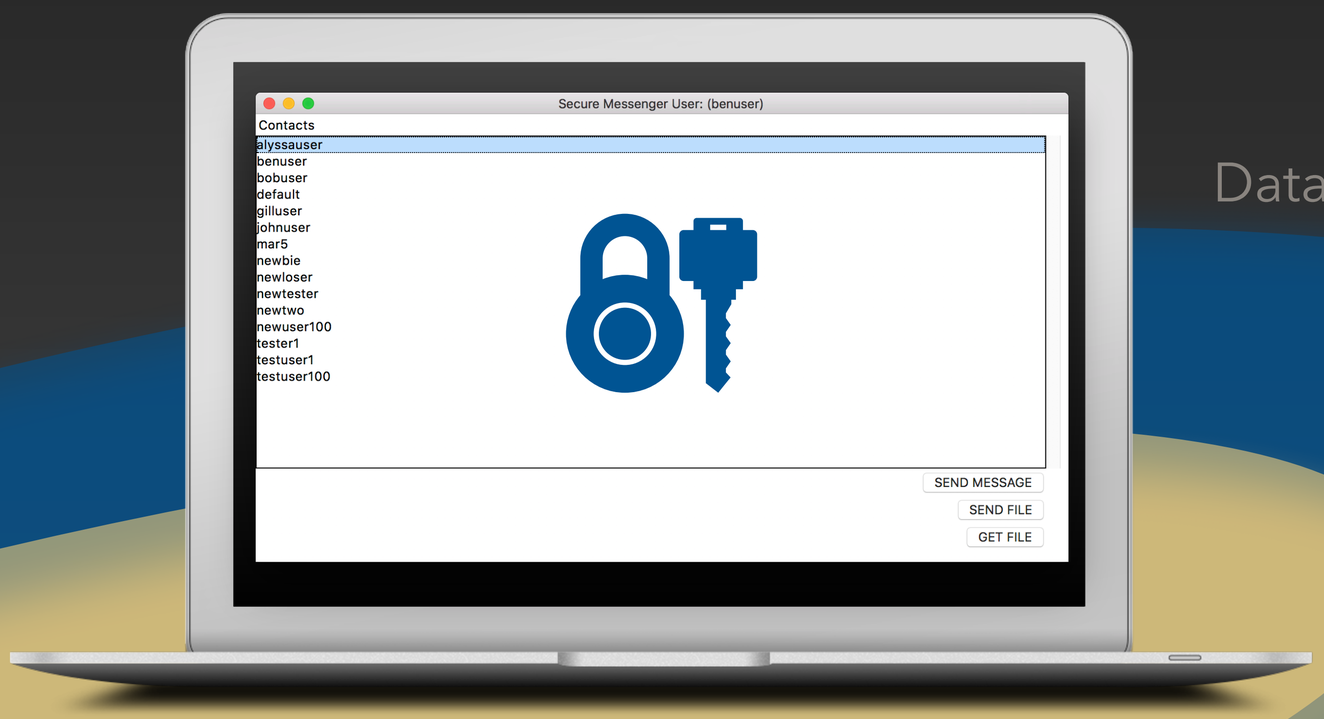
Encrypted Messaging and File Transfer Application

What's In a Message?

The idea for a secure way to send secret messages without interception is as old as Julius Caesar and his shift cipher. The post Edward Snowden era has upped the ante significantly. I wanted to build an application to talk to my friends without seeing advertisements associated with our conversations online. I learned how to build a secure client-server application that can scale quickly to accommodate thousands of users on a single thread of execution.

It Feels Good to be Safe.

The application uses some of the best security techniques that are available. The source code has been reviewed by security professionals doing real work in the field. It leverages encryption that is safe enough for applications where security is paramount such as health care, law enforcement, and banking.



Password Verification

Secure Socket Layer SSLv3

Secure Communication

Payload Verification

Asymmetric Certificates

Encased Data

Secure File Transfer

Message Queuing

Persistent Connection

SHA 256, 512

Salt ~16000

Encrypted Storage

10,000 Clients

Efficient Execution

Cross Platform

Easy Secure Access

Data Tunneling

Structured Query Language

Compatible with Any Meta Language.

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