

TauNet Messenger Software version 1.0

Using TauNet Protocol Specification v. 0.2

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General Software Information

This software was written using Python 2.7. This software contains three major categories: Listening Server, Client Interface, and Address Book. The Client Interface contains two files, one in which the user interacts with, and one that is responsible for connecting to the message recipient's address and sending the message through a series of socket calls.

Configuration

The TauNet system requires an internet connection.

Port: 6283

Key scheduling: 20 rounds.

Key: password

This software has only been tested on Linux Debian based systems. Installing this on any other platform is considered at your own risk and you assume full responsibility.

Installation and Running the Software

To install simply clone the Github repo.

This TauNet messenger software contains two independent scripts for the Client Interface and Server.

To **run** the TauNet messenger:

1. Server: Open terminal. From command line enter: **`./tau_server.py`**
The server, once started is a simple listening program that displays the contents that is sent to you.

In a separate terminal do the following:

2. Client: Open terminal. From command line enter: **`./tau_interface.py`**
The client interface is responsible for reading in the address book from the JSON file and prompting the user for the recipient and for the message. As stated earlier, the client interface works in conjunction with the client.

Built in Flags and Commands

The following flags and commands can be used in the tau_interface.

From the recipient prompt:

-address or -a: displays address book

-help or -h: displays help message

exit: exits tau_interface

clear: clears the tau_interface screen

From the message prompt:

exit: exits the tau_interface

File Manifest

tau_interface.py

tau_server.py

code_files directory

- tau_client.py
- rc4.py
- address_book.json

docs directory

- README
- SDD.pdf
- SRS.pdf
- STP.pdf
- PER.pdf

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Bugs

This system currently runs as intended. Currently no known bugs.