

TW-Mailer Deployment Manual

Project structure

- CMakeLists.txt
- main.cpp
- server.cpp
- client.cpp
- bin/ (created automatically)
 - o mail-spool/
 - o twmailer-client
 - o twmailer-server

Building

In Visual Studio:

1. Select Build > Build all (or Ctrl + Shift + B)
2. Open WSL in the ./bin/ folder

In Clion:

1. CLion will automatically configure CMake
2. Build both targets: twmailer-server and twmailer-client
3. Open WSL in the ./bin/ folder

Running

1. Start server: **./twmailer-server.exe 8080 ./mail-spool**
2. Start client in another WSL: **./twmailer-client.exe 127.0.0.1 8080**

Specification

1. Commands:
 - a. **SEND**: Send new message
 - b. **LIST**: View user's messages
 - c. **READ**: Read specific message
 - d. **DEL**: Delete message
 - e. **QUIT**: Exit client
2. Server responses:
 - a. OK\n: Success
 - b. ERR\n: Error
 - c. [message content]: For READ/LIST
3. Username restrictions:
 - a. Max 8 characters
 - b. **Lowercase letters and numbers only**