

# Polled Chat

## Distributed Systems Paradigms Lab Guide 2

2021/2022

Reconsider the chat server and reduce the resources used (memory and threads) by refactoring it to an event-driven approach.

### Steps

1. Implement the server using NIO selectors and non-blocking sockets.
2. Run clients with different delay configurations.

### Questions

1. How does code in the event driven program map to the equivalent threaded program?
2. How to manage shared structures while minimizing memory allocation?

**Learning Outcomes** Apply event-driven programming based on polling in the development of distributed programs. Employ shared data structures to reduce memory usage.