

Distributed Systems – Fault Tolerance

Lab 0

2022/2023

Maelstrom

Setup and get to know the Maelstrom¹ workbench.

Steps

1. Run a demonstration application and observe results.
2. Implement a server for the `lin-kv` workload with a single server.

Learning Outcomes Construct implementations of distributed algorithms using the Maelstrom framework. Analyze and discuss the behavior of distributed algorithms from logs and Lamport space-time diagrams.

¹<https://github.com/jepsen-io/maelstrom>