

# Large Scale Distributed Systems

Lab 5

2022/2023

## Consistent hashing

Implement a consistent hashing with the `lin-kv` workload.

### Steps

1. Start with a simple key-value server where each node keeps all keys.
2. Configure each node with a random id and a static routing table. Forward requests to the corresponding server.
3. Configure each node with multiple ids. Retest and compare the number of items stored.

**Learning Outcomes** Apply consistent hashing for data partitioning. Recognize the advantages for distributed systems of consistent hashing and virtual nodes.