

Distributed Systems – Fault Tolerance

Lab 6

2020/2021

Passive Replication with EVS

Taking advantage of a group communication toolkit as an extended view synchronous protocol:

1. Implement leader election protocol in a partitionable system.
2. Test with simulated partitions in a Docker network.
3. Combine with request processing and state transfer.

Learning Outcomes Explain how transitional views capture uncertainty in extended view synchrony (EVS). Construct a primary partition system by exploiting EVS and an explicit majority.