

Visualizing Transactional Algorithms for DHTs

Boriss Mejías¹ Mikael Höggqvist² Peter Van Roy¹

¹Université catholique de Louvain – ²Zuse Institute Berlin

SELFMAN
Project

Distributed Transactions in DHTs

- Scenario
 - DHT with replicated items
 - Transactions involving many items
 - Nodes join/leave/fail
 - Network partition
- Transaction commit protocols
 - 2PC, 3PC, Paxos atomic commit
- 2PC cannot handle DHT churn
- We demonstrate 2PC and Paxos Co
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sensus Algorithm (using majority)

