

Scalability questions in global databases

- Data structures with high update rates
 - Use CRDTs to parallelize commutative updates
 - Optimizations for frequently updated hash trees
 - Expiration mechanisms with distributed enforcement
- Efficient multicast dissemination
 - Standardize DHT-based multicast trees
 - Use set-difference based on counting Bloom filters
- (Federated) Byzantine Agreement vs. Proof-of-XXX