Path to MongoDB Distributed ACID Transactions

Delivering Features Along the Way MongoDB 3.2 MongoDB 3.0 MongoDB 3.4 MongoDB 3.6 MongoDB 4.0 MongoDB 4.2 Enhanced Consistent secondary Replica Set Sharded New Storage engine Replication protocol Shard membership reads in sharded stricter consistency 8 (WiredTiger) Transactions **Transactions** awareness clusters durability Config server WiredTiger default More extensive WT Snapshot reads manageability Logical sessions storage engine repair improvements Transaction Manage Recoverable Retryable Writes Rollback via WT checkpoints Oplog applier Recover to a Causal Consistency prepare support for timestamp transactions Cluster-wide logical **Sharded Catalog** Improvements Storage API change Global point in time to use timestamps reads Read concern majority always Done available In Progress **UUIDs** in sharding

Fast in-place update

to large docs in WT









