Txn lifetime - one atomic execution attempt undecided states, commit or rollback possible Active(0) Active(1) Active(2) Active(n) n > 2after-rollback handlers after-rollback handlers after-rollback handlers partial rollback nested atomic body of atomic block body of atomic block body of atomic block nested commit before-commit handlers Preparing read-resource validate Prepared write-resource external decider prepare top-level commit top-level rollback Committed RolledBack write-resource write-resource rollback commit after-rollback after-commit handlers handlers