

Concurrency

Two Phase Locking

First phase

Request new locks, but not release locks:

- Acquire a Shared Lock
- Acquire a Exclusive Lock

With Lock Conversion

- Upgrade a Shared Lock to Exclusive Lock

Second phase

Release existing locks, but not request new locks:

- Can release a Shared Lock
- Can release a Exclusive Lock

With Lock Conversion

- Downgrade a Exclusive Lock to Shared Lock

Phase change (from 1 to 2) happens in the transaction once *any* of the three conditions above are true (ex. *LSA* below)

