

Recovery

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Parallel Recovery

- The described dictionary-encoded column logging allows for parallel recovery
 1. Read metadata: table sizes, latest snapshot and transactionID of last snapshotted transaction
 2. Recover data in parallel
 - Recover main store from snapshot
 - Recover dictionary of delta store by replaying dictionary logs
 - Recover valueID vectors of delta store
 1. Read value logs in reverse order; only value logs that contain a transactionID that corresponds to a committed transaction are considered
 2. Complete records for unchanged attributes in a second run (as we only log changes)