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ACID

The ACID represents four main properties that a transaction should have, the terminology stands for Atomicity, Consistency, Isolation and Durability. Atomicity, as the very basic operation unit, requires each transaction to be 'all or nothing', or simply all-success or all-fail. Consistency ensures any transaction to bring the database from one valid state to another. Isolation ensures the [transaction](#) in process must remain isolated from any other transactions. Durability ensures integrity that committed data is kept in the drive even in the event of failure for restructure.

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