



Data Structure of Corda

Data Structure

A data structure is a functional configuration of organizing and storing data.

Generally contains two parts:

- The ledger
- The states

The Ledger

Ledger is chronological storage of facts or records order.

Facts are like rows in a table.

All peers to a shared fact stores the identical records.

Corda nodes use distributed ledger mechanism.

Each peer only sees a subset of facts on the ledger, and no peer is aware of the ledger in its entirety.

No single data storage, each node maintains a separate database.

The State

State is an immutable object that represents facts which are known by one or more nodes at a specific point of time. Data is not modified directly.

States are declared as a rational mapping and can be queried using SQL.

Contains arbitrary data, which allows representation of data in any kind.

State contains reference to Contracts, that govern the evolution of state.

States are never altered, they are either unconsumed (or unspent) or consumed (or spent).

THANK YOU!

Any Questions?

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