

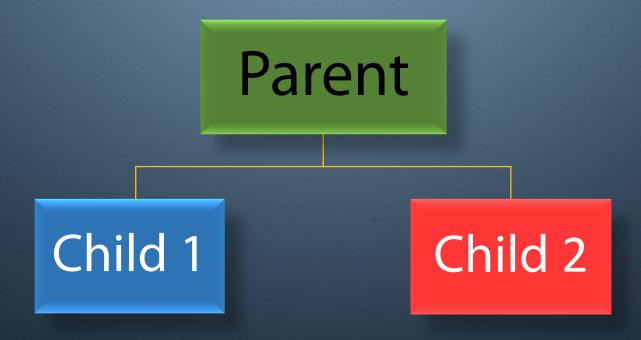
Model Tree Structures



Tree structure with parent references

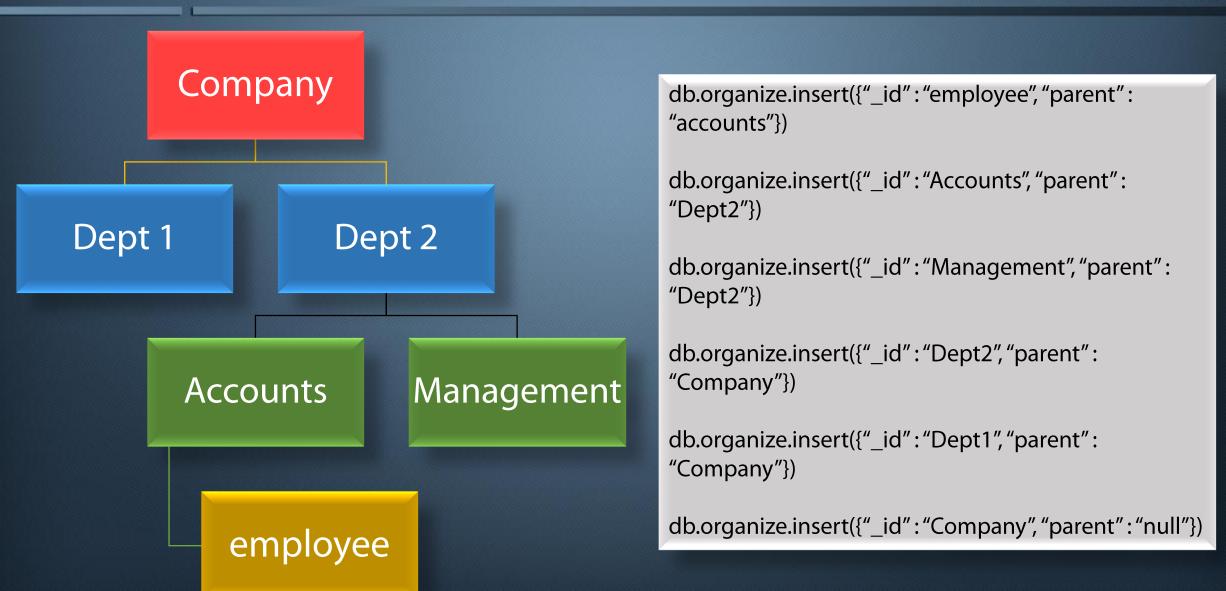


- This data model describes a tree-like structure in MongoDB documents by storing references to parent nodes in children nodes.
- The *Parent References* pattern stores each tree node in a document; in addition to the tree node, the document stores the id of the node's parent.



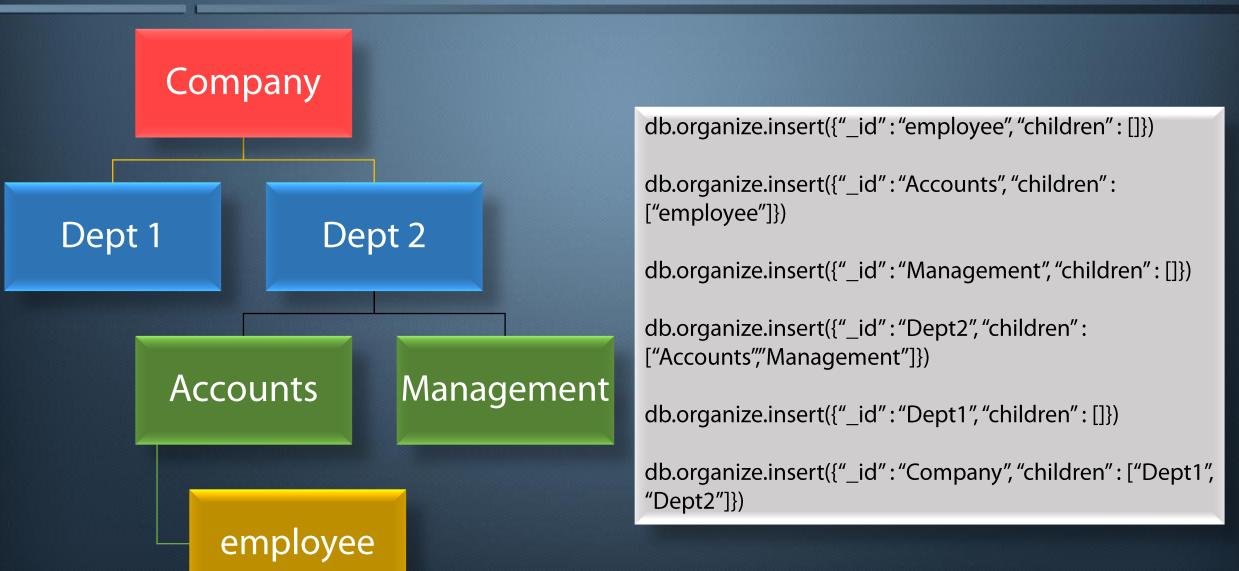
Tree structure example with parent references

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Tree structure example with child references





Architecture of MongoDB



Shard 1

Secondary

Secondary

Primary

Config Server

Config Server

Config Server

Shard 2

Secondary

Secondary

Primary

Mongos

Client

Shard 3

Secondary

Secondary

Primary