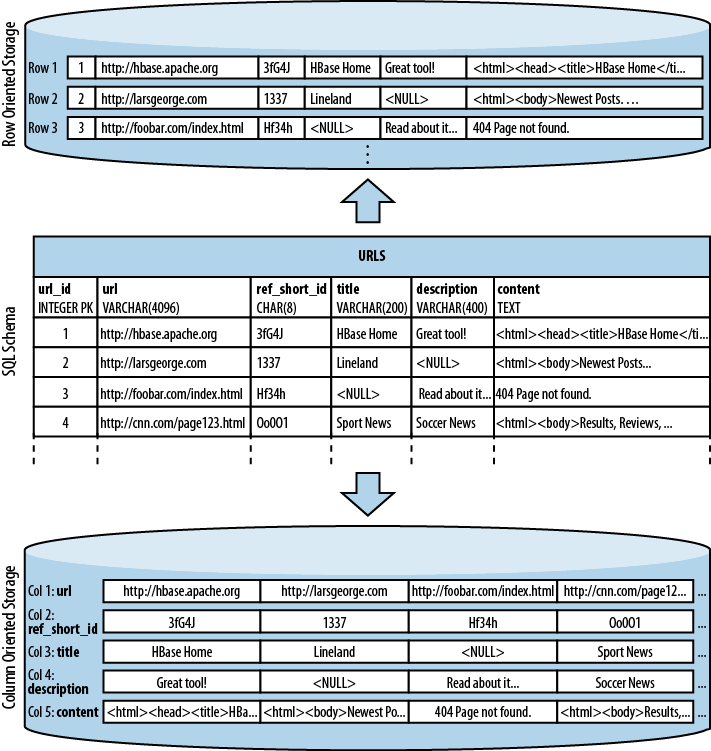
## HBASE & LINUX

* is open source NoSQL database
* real-time read/write access to those large dataset
* Scales linearly, usually used to store sparse data.
* Column-oriented database

****

ROW vs COLUMN -oriented

**How many types of data models are there ?**

-

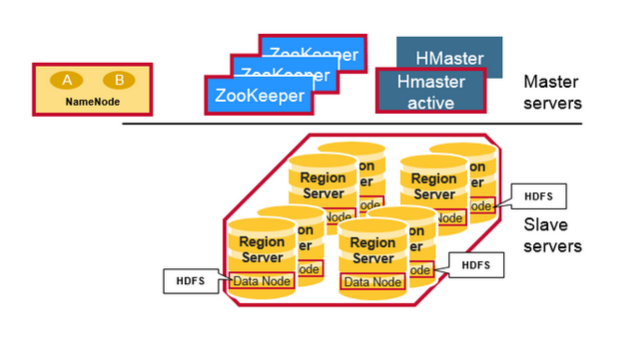
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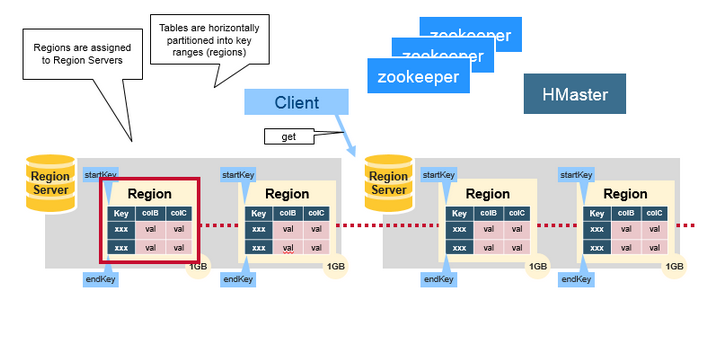
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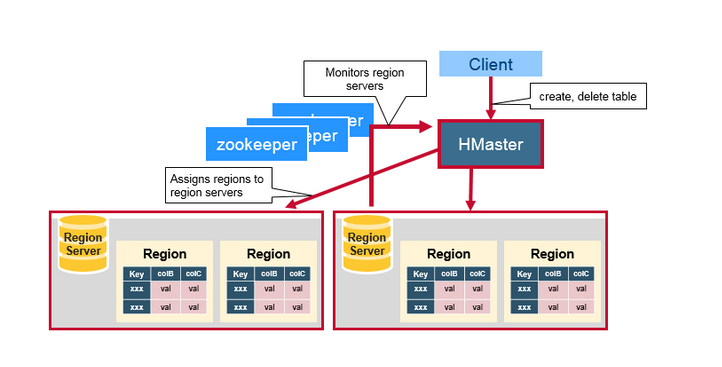
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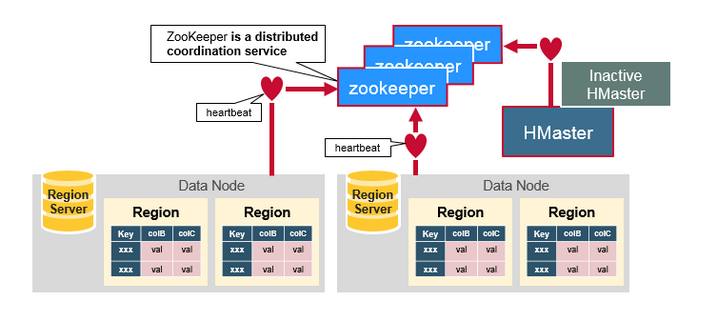
**HBASE ARCHITECTURE OVERVIEW**

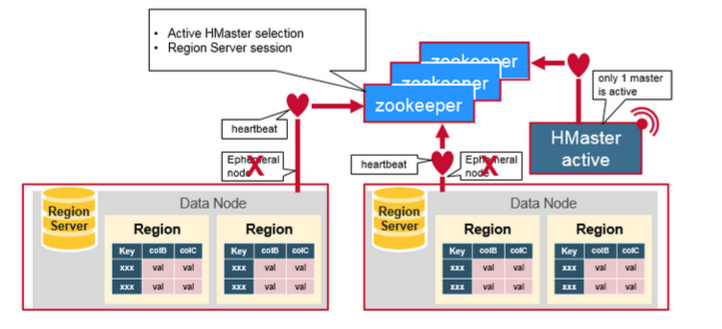
* **Hbase Tables :-> Regions(..n) :-> Region Server(Data locality):->Handled by Hmaster (DDL) : -> Zookeeper**











Keywords: Session, Ephemeral nodes, heartbeats,sharding.

Why zookeeper: -> 1)Server state 2)Coordinate shared state info

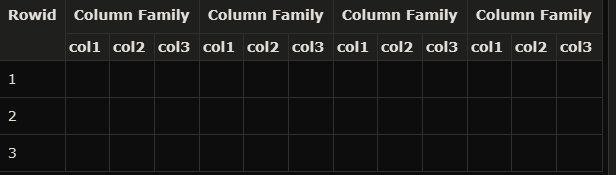
**HDFS VS HBASE:**

**-**

**-**

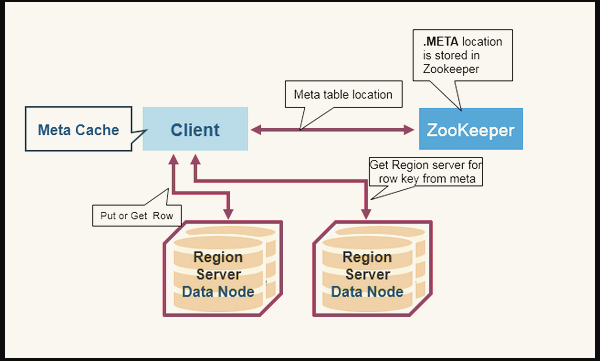
**-**

**STORAGE SCHEMA:**

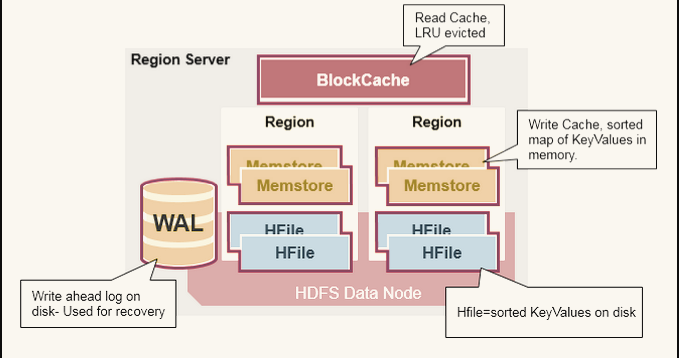
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HBASE FIRST READ AND WRITE

**Zookeeper(loc’ns):->Meta table(query & cache’s):->Regions->Rowdata**

****

**REGION SERVER COMPONENTS**

****

**WAL ,Block Cache, MemStore**

MINOR COMPACTION And MAJOR COMPACTION