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| Couchbase | Cassandra | Mongodb |
| 1. Key value store | Column based | Document based |
| 1. Sharding is inbuilt as vBuckets | Data is split on partition key | Configuration of sharding has to be done, Optional |
| 1. Replication – vBuckets and replica Vbuckets   Write – active;  Read- active; replica(configure) | No master no slave  Ring architecture.  Read/write – any node | Primary and secondary  Reads – primary; secondary(configured)  Writes -- primary |
| 1. Failover – replica vbucket -- promoted | Hints and hinted payoff | Election process – eligible secondaries -- primary |
| 1. ACID transactions (version 7.x) | No | Version(5.x) – transactions ; not fully acid compliant  No rollback |
| 1. Data in json   Analytics, full text search, transactional op in nosql and when a unique key can be generated | Data is having columns with repeated values | Ideal for images, videos, documents |
| 1. Low latency   RBAC  Data Analytics – built in  Data with TTL | Availability | Different authentication and authorisation mechanisms  Different storage engines  Aggregation feature  TTL index – on expiration – delete the docs  Geo spatial indexes |