Megastore: Providing Scalable, Highly Available Storage for Interactive Services

- Megastore is a storage system that taking a middle ground in RDBMS and NoSQL design space and using Paxos to meet the storage requirement of today's interactive online service.

- Megastore applies a synchronous log replicator to replicate data over a wide geographic area and gives applications fine-grained control over data's partitioning for providing availability and scalability.

- Megastore defines a data model that lies between the abstract tuples of an RDBMS and the concrete row-column storage of NoSQL.

- Multiversion concurrency control could be implemented by Bigtable which provides the ability to store multiple values with different timestamp.