

Summary

- Traditional Databases (RDBMSs) work with strong consistency, and offer ACID
- Modern workloads don't need such strong guarantees, but do need fast response times (availability)
- Unfortunately, CAP theorem
- Key-value/NoSQL systems offer BASE
 - Eventual consistency, and a variety of other consistency models striving towards strong consistency
- We discussed design of
 - Cassandra
 - HBase
 - MongoDB