2/5/2020 Additional Resources







Additional Resources

Here are some useful links for further reading:

- **1. Dynamo (https://www.allthingsdistributed.com/files/amazon-dynamo-sosp2007.pdf)** Highly Available Key-value Store
- **2. Kafka (http://notes.stephenholiday.com/Kafka.pdf)** A Distributed Messaging System for Log Processing
- 3. Consistent Hashing

(https://www.akamai.com/es/es/multimedia/documents/technical-publication/consistent-hashing-and-random-trees-distributed-caching-protocols-for-relieving-hot-spots-on-the-world-wide-web-technical-publication.pdf) - Original paper

- **4. Paxos (https://www.microsoft.com/en-us/research/uploads/prod/2016/12/paxos-simple-Copy.pdf)** Protocol for distributed consensus
- 5. Concurrency Controls(http://sites.fas.harvard.edu/~cs265/papers/kung-1981.pdf) -Optimistic methods for concurrency controls
- **6. Gossip protocol (http://highscalability.com/blog/2011/11/14/using-gossip-protocols-for-failure-detection-monitoring-mess.html)** For failure detection and more.
- 7. Chubby

(http://static.googleusercontent.com/media/research.google.com/en/us/archive/chubby-osdi06.pdf) - Lock service for loosely-coupled

2/5/2020 Additional Resources







8. ZooKeeper

(https://www.usenix.org/legacy/event/usenix10/tech/full_papers/Hun
t.pdf) - Wait-free coordination for Internet-scale systems

9. MapReduce

(https://static.googleusercontent.com/media/research.google.com/e n//archive/mapreduce-osdi04.pdf) - Simplified Data Processing on Large Clusters

10. Hadoop

(http://storageconference.us/2010/Papers/MSST/Shvachko.pdf) - A Distributed File System

