

# CheatSheet: Well-Known Papers For IT Industry

## INTERVIEW

- PDF Link: [cheatsheet-paper-A4.pdf](#), Category: interview
- Blog URL: <https://cheatsheet.dennyzhang.com/cheatsheet-paper-A4>
- Related posts: CheatSheet: Leetcode For Code Interview, interview

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## 1.1 Papers: Distributed System

Num	Name	Summary
1	Amazon Dynamo: HA K/V store	<a href="#">paper: amazon-dynamo.pdf (Original link)</a>
2	Google File System	<a href="#">paper: google-gfs.pdf (Original link)</a>
3	Google MapReduce	<a href="#">paper: google-mapreduce.pdf (Original link)</a>
4	Google Bigtable: distributed storage	<a href="#">paper: google-bigtable.pdf (Original link)</a>
5	Google Spanner: Globally-distributed db	<a href="#">paper: google-spanner.pdf (Original link)</a>
6	Facebook Cassandra: Decentralized storage	<a href="#">paper: facebook-cassandra.pdf (Original link)</a>
7	Yahoo Zookeeper: Coordination	<a href="#">paper: yahoo-zookeeper.pdf (Original link)</a>
8	Yahoo Hadoop Distributed File System	<a href="#">paper: yahoo-hdfs.pdf (Original link)</a>
9	Ceph: a distributed file system	<a href="#">paper: ceph.pdf (Original link)</a>
10	Yahoo Zab: broadcast for primary-backup systems	<a href="#">paper: yahoo-zab.pdf (Original link)</a>
11	Linkedin Kafka: distributed messageing system	<a href="#">paper: linkedin-kafka.pdf (Original link)</a>
12	Facebook tao: distributed data store for social graph	<a href="#">paper: facebook-tao.pdf (Original link)</a>
13	Facebook Haystack: Facebook photo storage	<a href="#">paper: facebook-haystack.pdf (Original link)</a>
14	Facebook Gorilla: Time Series Database	<a href="#">paper: facebook-gorilla.pdf (Original link)</a>
15	Facebook unicorn: search the social graph	<a href="#">paper: facebook-unicorn.pdf (Original link)</a>
16	Google search engine	<a href="#">paper: google-search.pdf (Original link)</a>
17	Google Chubby: Lock service	<a href="#">paper: google-chubby.pdf (Original link)</a>
18	Google Maglev: Google load balancer	<a href="#">paper: google-maglev.pdf (Original link)</a>
19	Google Andromeda: Google cloud network virtualization	<a href="#">paper: google-andromeda.pdf (Original link)</a>
20	Google B4: Google SDN Network	<a href="#">paper: google-b4.pdf (Original link)</a>
21	Google dapper: distributed system tracing	<a href="#">paper: google-dapper.pdf (Original link)</a>
22	Google Pregel: large-scale graph processing	<a href="#">paper: google-pregel.pdf (Original link)</a>
23	Google Borg: container orchestration	<a href="#">paper: google-borg.pdf (Original link)</a>
24	Mesos: A platform for fine-grained resource sharing	<a href="#">paper: mesos.pdf (Original link)</a>
25	Transactions in a Distributed Key-Value Store	<a href="#">paper: deepakn.pdf (Original link)</a>
26	Sun NFS: network filesystem	<a href="#">paper: sun-nfs.pdf (Original link)</a>
27	Memory management: A unified theory of garbage collection	<a href="#">paper: ibm-garbagecollection.pdf (Original link)</a>
28	Amazon redis Cache	<a href="#">paper: amazon-redis.pdf (Original link)</a>
29	Chord: p2p lookup service	<a href="#">paper: chord.pdf (Original link)</a>
30	Akamai CDN Network	<a href="#">paper: akamai.pdf (Original link)</a>
31	MDCC: Multi-Data Center Consistency	<a href="#">paper: mddc.pdf (Original link)</a>
32	Warp: Multi-key transactions for key-value stores	<a href="#">paper: warp.pdf (Original link)</a>

## 1.2 Papers: Algorithm & Protocols

Num	Name	Summary
1	Consistent Hashing	<a href="#">paper: consistent-hashing.pdf (Original link)</a>
2	Paxos	<a href="#">paper: paxos-simple-Copy.pdf (Original link)</a>
3	Byzantine Generals Problem	<a href="#">paper: Byzantine Generals Problem.pdf (Original link)</a>
4	Raft	<a href="#">paper: raft.pdf (Original link)</a>
5	Gossip	<a href="#">paper: A gossip-style failure detection service.pdf (Original link)</a>
6	Hyerloglog	<a href="#">paper: hyerloglog.pdf (Original link)</a>
7	CDRTs	<a href="#">paper: A comprehensive study of CDRTs.pdf (Original link)</a>
8	CSP	<a href="#">paper: Communicating Sequential Process.pdf (Original link)</a>
9	Cuckoo Hashing	<a href="#">paper: An Overview of Cuckoo Hashing.pdf (Original link)</a>
10	Fenwick Tree	<a href="#">paper: Fenwick Tree.pdf (Original link)</a>
11	Epidemic Broadcast Trees	<a href="#">paper: Epidemic Broadcast Trees.pdf (Original link)</a>

### 1.3 More Resources

Name	Summary
Reference	Github: papers-we-love, Website: the morning paper
Reference	CheatSheet: System Design For Job Interview
Reference	CheatSheet: LeetCode Common Templates & Common Code Problems

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