

distributed systems CheatSheet

quick cue cards

overview

- communication
 - reliable and secure links
 - discoverability
 - APIs
- coordination

logical clocks
leader election
replication (consensus)
transactions

- scalability
 - functional decomposition
 - partitionning (sharding)
 - duplication
- resiliency

common failure cause
downward and upward resiliency

- testing and operations
 - testing
 - continuous integration and continuous deployment
 - monitoring and observability

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