Concepts	Technologic 5	Application
Stateless & Stoteful	Kubernetes	_
Virtualization v/s Containers		
Orchestration		
Devops		
C1/cp		
, = 3		
'		1

DOCKEY

Docker file

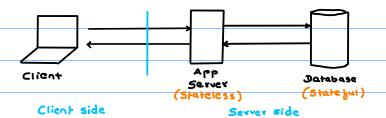
Multi-host

Docker registry

Cross-host networking

State/Volume

- 1. Image building
- 2. Container () Container networking
- 3. Volume management



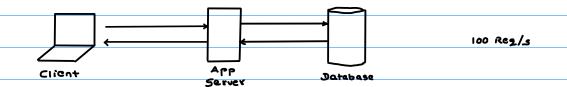
Anytime, anywhere, any device

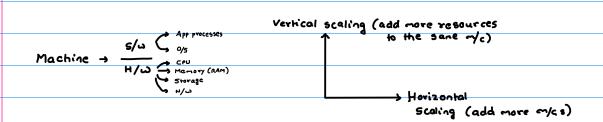
State, Stateless, Stateful

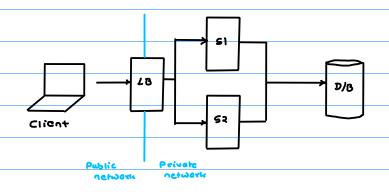


	Scalability	Failure Handling
Stateless	LB+ Replicas	Replace replica
Stateful	Sharding	Replication

Stateless Scalability





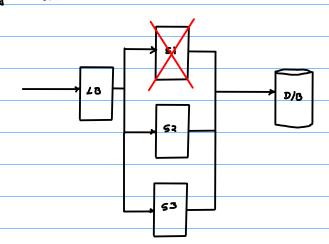


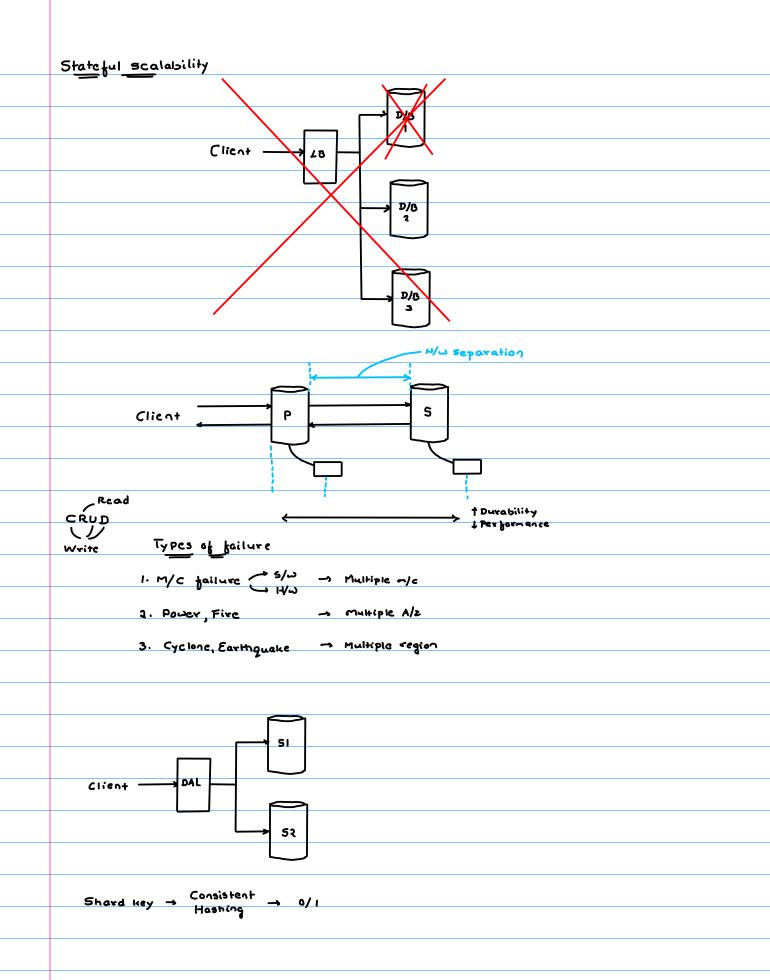
Load balancer

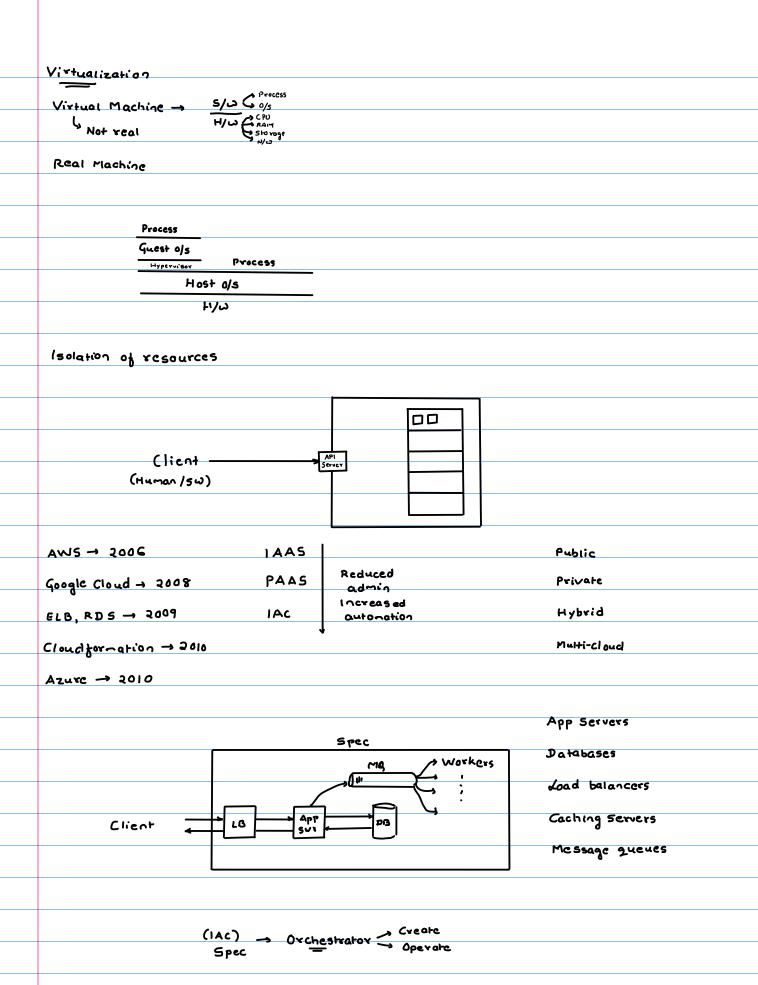
- 1. Ingress
- 2. Load balancing / Round Robin / Reverse Proxy
- 3. Failure management

Health check endpoint

/ping → 200 ok







Vendor Lock-in

