Active Recall: 1. Introduction to HLD 2. Servers - Latency - Scaling Throughput RR, Port → Cloud Computing way -Distributed Systems • 🔞 😥 🦠 - Terminologies : Spin up/down, Cron job CAP Theorem - Definition: of most 2 gools

- Consistency: different nodes seeing same data

- Availability: System always respond

- Partition Tolerance

- CP = Consistency + Partition Tolerance
- AP = Availability + Partition Tolerance
- CA = Consistency + Availability / - CA = Consistency + Availability - CAP

-) Monolith
-) Microservices

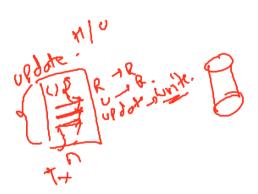
Scaling

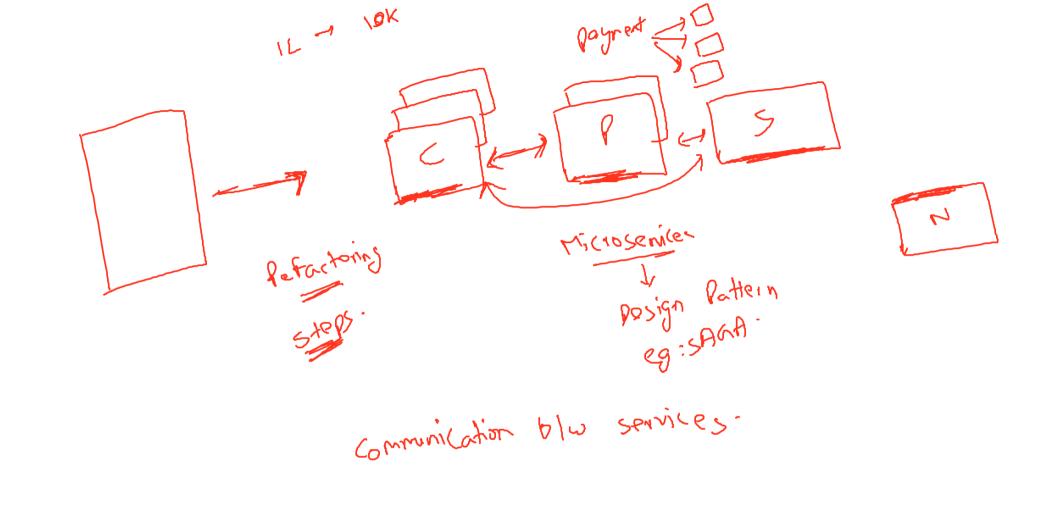
1. Scaling. 21 Optimist : 06 quovies 4. Code: Loosey Corple. 20 DD Auto-4 aling. 5- M. Broker up-xaling Joun-Scaling

Micro-senices y Phasing out Refoctor ecommerce: 1. Scaling 2. Lossely Coupled 10×1day 3. Arbiding Single Project 8x100y-Point of Fairluse. Logas - 5

Recall

- Monolith
- Micro-services
 - Loosely Coupled. Justify.
 - example
- Single point of failure
- Up scaling / Downscaling
- Deployment
- Advantages of Micro-services : Easy Debugging, No SOF, Scaling
- Disadvantages of Micro-services : DB Transaction, m-S communication, Expensive





LRI RZ RS Messaging Queue · (Pob-Sub) · Katha, Rabbitma G (eq. 1560 沙岭 . BUILTIQ. 1-2/10 Quene. Pub-7-? Sub-1? 2 5-9-15/ O briang Rety functions by.

R-Attempt: 5 times. 10 K/D

Kostas Biblion 1 Koma Message Brokers J. servers (onsurer Profuer. Reg Partition Topics -RN Brober 2

Lood Belancer Rebalancing; Large. =) Consistent Hashing.

Cy Reduce the Rebabning

Monolith vs Micro-services

- Refactoring
- System Designs
- Decompose / Steps to Refactor
- D, C, P, S
- Scaling of Micro-Services

Messaging Queue

- Communication b/w services
- Pub-Sub, Producer-Consumer
- Kafka, RabbitMQ, BullsMQ

LoadBalancer

- Normal Hashing
- Consistent Hashing