

Doubts regarding the assignments

Active Recall

1. HLD

- Servers
- ip, DNS, CDNs, etc.

2. System Design

Zookeeper and Kafka

Kafka : Message Broker : communication

- different brokers (severs)
- Partitions, topics
- servers communicating with each

Zookeeper : coordination between other brokers

## Questions

1. Example of Modern System working using Micro-services?
2. Hashing?
  - Load Balancer?
  - Working using Normal Hashing technique?
    - Function : Hash Function : Request Number modulus 5
    - Cart micro-service : scaled : 5 servers
3. Communication between micro-services using Kafka is Synchronous or Asynchronous?
4. Any another approach to balance load other than Hashing methods?

N0

N1

N2

N3

N4

hashing : 1,2,3,4,0,1,2,3,4,0....

Round Robbin : N2, N1, N0, N4, N3, N2