2/8/2022 Zookuper & Kafka Zookerber dient [want Public internet 100 - open sourced to apache fornderion! Zookerfer

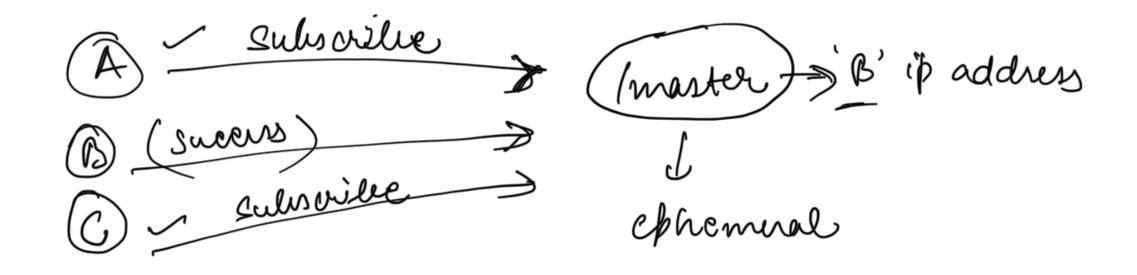
havior Dile lexton

- were for system Use cares of zookuper (1) Tracking sewer status. 2) hu master slave, track the arount master. 3) Irack Hate Change, trigger some authon. (4) Stone configuration. # How I've weeks A weeks like a unix file systen TLD (Top level dieutory) Muster /

unis que system, -> / etorage ~ → /8×10~0ge/~ L) / etoroge's Inode > store some information. Pernannet / Persistent (temporary) 5 configs # Ephemeral znode / marter -> IP address

10 - 1- 0 -

Marter - clause Staden Phis Breuris > DMG ASI > actively Example relini Kg2 > 1) AS3 = dead A ZL nuoes to les higney consistent



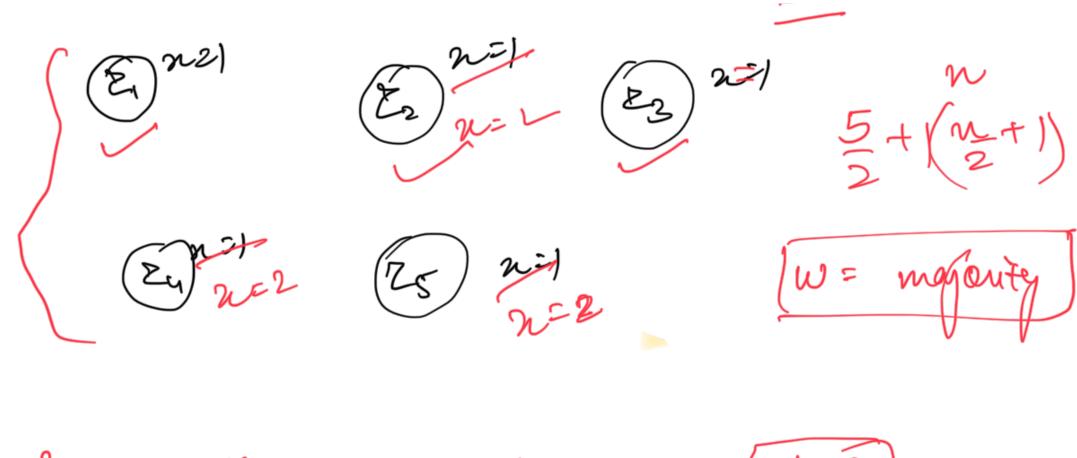
Ephemeral node has 2 types of lock:-

a) Lesse hæsed lock (772) b) Perpetual (lock is sentavined till 1 am alive)

Accuifecture

- → cluster of machines → distributed felle system.

Reflicas



fead -> all the machines

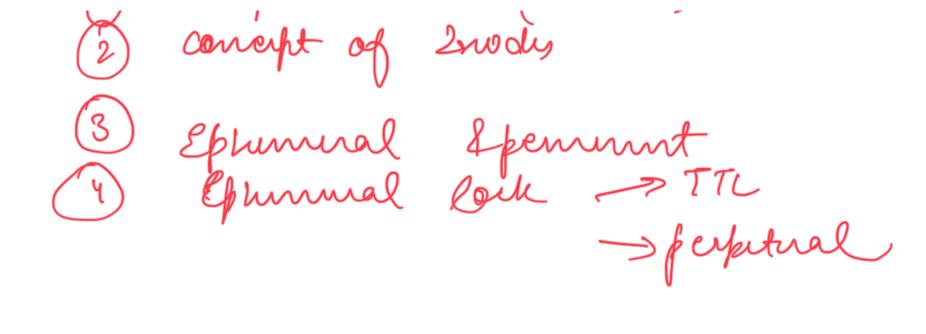
2-2 ->3-1

2 2)

ZKdient >

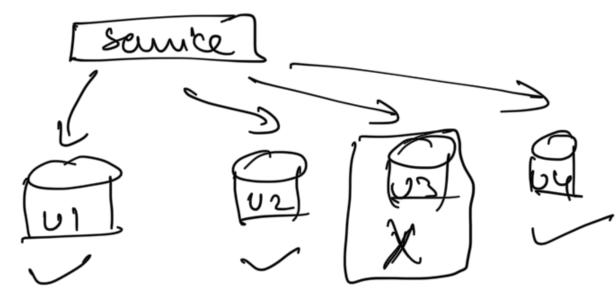
Sunary

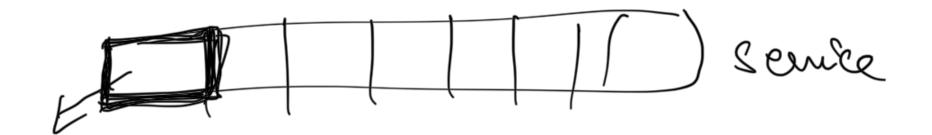
1) Zookuper uses case [health, master-electrion]

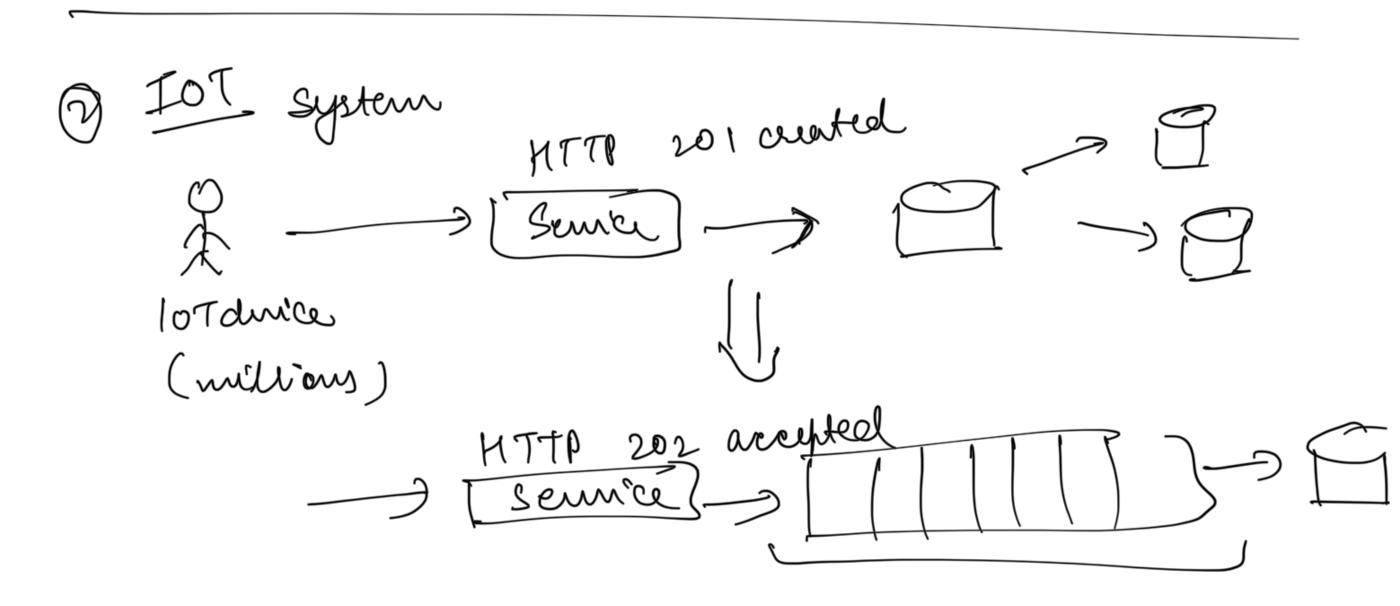


Kafka

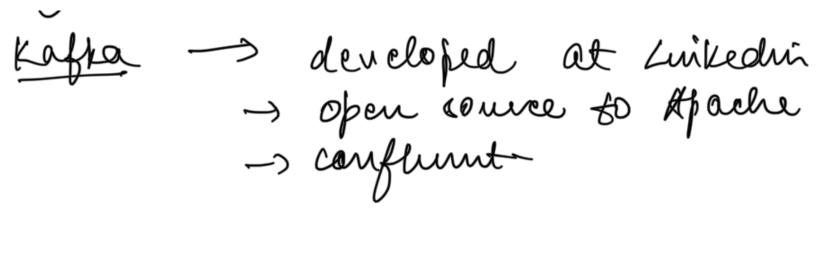
Asmita -> prathu







Message &/ Persistent & / Ourse



Entities Broker E publis data/rusgo Producu

H Made

manyenm l'oreste order order service) I pumme an event un Goder's tofuc Tahu = topic Topic = "order" will have different commis. Consum 2 -> netzfikation sembe (3) comme 2 -> vivoice service (4). communi offsut 010

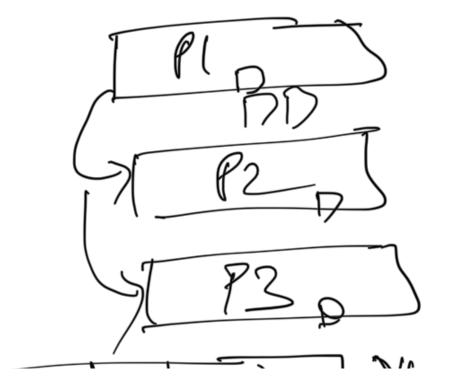
> consum 1 - offset comme 2 -> offertmum 3 -> offset consum etset position of each vic consum group > multiple machine Lorder topic partition. partion = 1

Consum get = 4 machines (1 will sit idle)

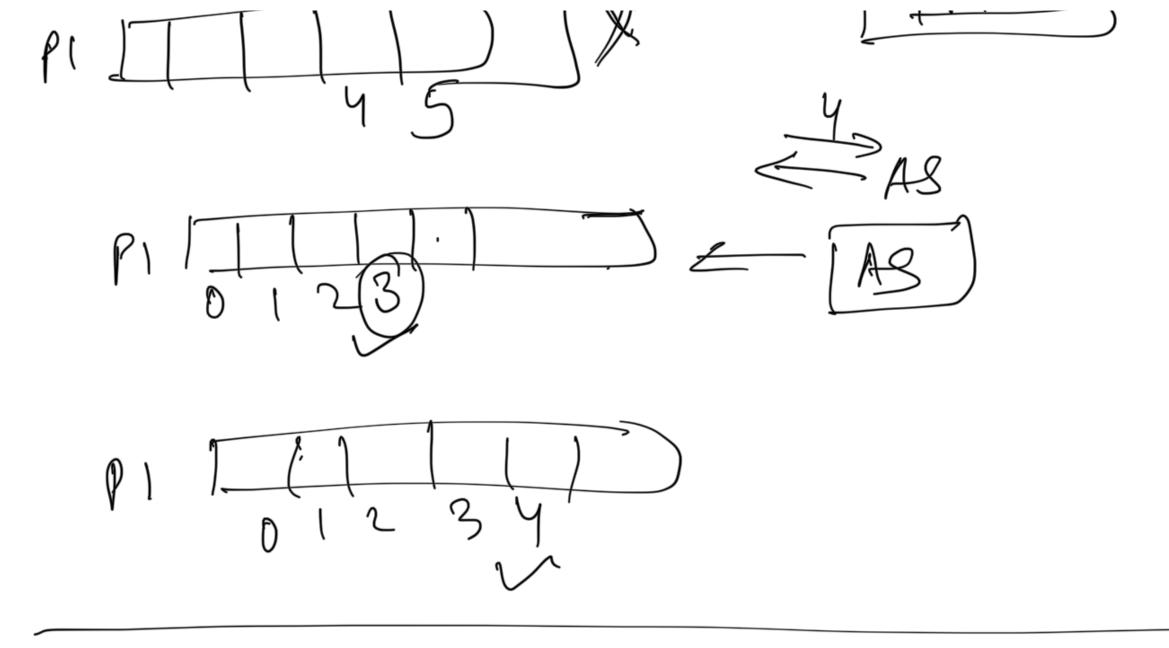
CG1 > 4

APO granantee -> partition level-

& offsets are manifemised on a topic factition level.







Delivery emantics

Producer delivery synatetis

1) augu - fine & forgot

(2) committed to leader

(3) committed to leader 2 quant

Consumer delivery sumanties

- at most once
- 2 at-least once
- B) exactly once