Topic of Discussion

19:05 IST

(Redis Model, teacher, Queue)

Broker

① Bit Torrent System Design

② Notification System Design
(Stock Market Notifications)
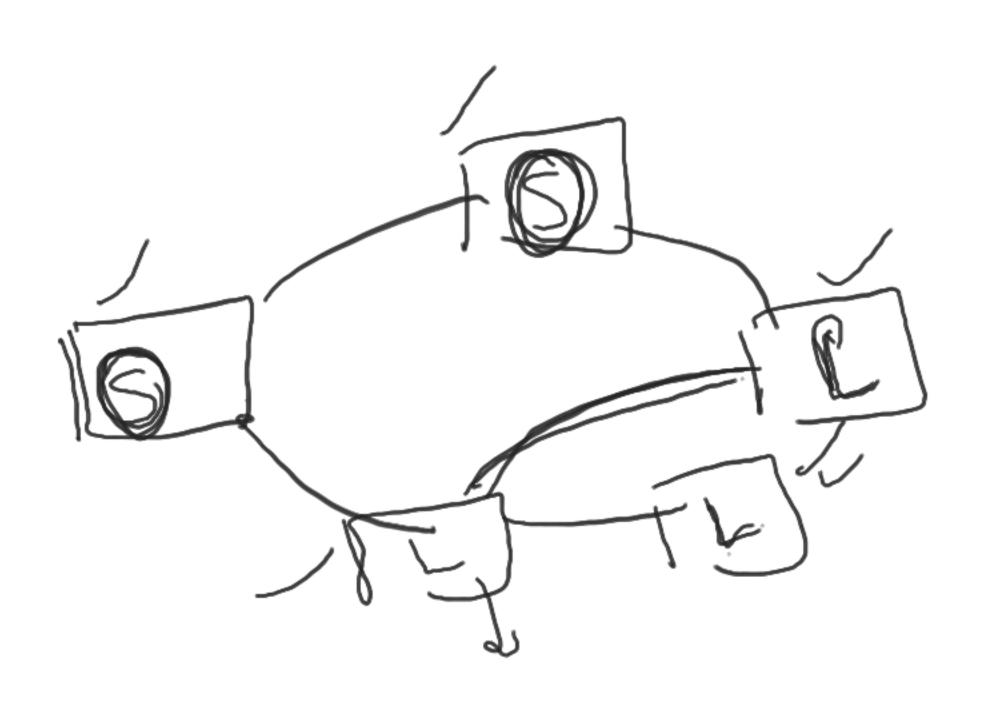
③ Rotate Auth Certificate System
Design (No DB, _____)

P2P :- (Peer to Peer Communication)

1 GB

Bf file

200 mb

Part 2

Part 3 200 mb

200 mb

Part 1

200 mb

200 mb

1 → Bandwidth Consumption

2 → Slow / It take time.

3 → Single Point of failure. (~)

4 → Available ~ (100%)
    → (On)

5 → Cost (~)

P2P

User Group

① P-lash Crowds (

.BitTorrent)

(i - i)

(Game Inauch)

PLP

Azure

② Deployment

Alphabatazing → (10 GB)

(130 G.B) → Azure

EA

Journey/Disk

① **Seed :-**

A Machine which will have complete file. → (1 GB) (1 GB)

→ Multiple Seeds (—, —,)

② **Leech :-**

who is still downloading the file.

Tracker...
who is responsible for
file transfer

.... list Torrent → When upload)

Tracker

.dit htorrent

[.bin]

① Tracker : Url ✓

② Length of the file ✓

③ Size of chunk (256 KB) ✓

④ { SHA-1 — — | — — — — | — — | .] , _] ✓

Tracker (✓)

→ Bit Turret

Com

Are interrupts!

{ who has the main
Rile Seeders }

Swim

Pers

(↓)

(✓)

① which chunk to download

② Selection Algorithm
Peers

Servers

① Must Redundant

① Redudant Chunk (will Pickup)

Worst → (Least Always Work?)

→ (Which scenario)?

②

③

Rarest first [s]

Random Choires

1	2	3	4	J

Each → Multiple Remover :

TikTok Tut::

(Uploading start / Download) (Mount Clinks)

(Clinks? Clinks)

(3 users)

(Speed) (Slack)

① Fixed the undertings

② Persiuts

(3 users)

Pi

B + I

① → finishing

and Notifier...

0.2mA/s (√)

2Mbps

(will
with PTR

hi

(L   )

(Lmbh)