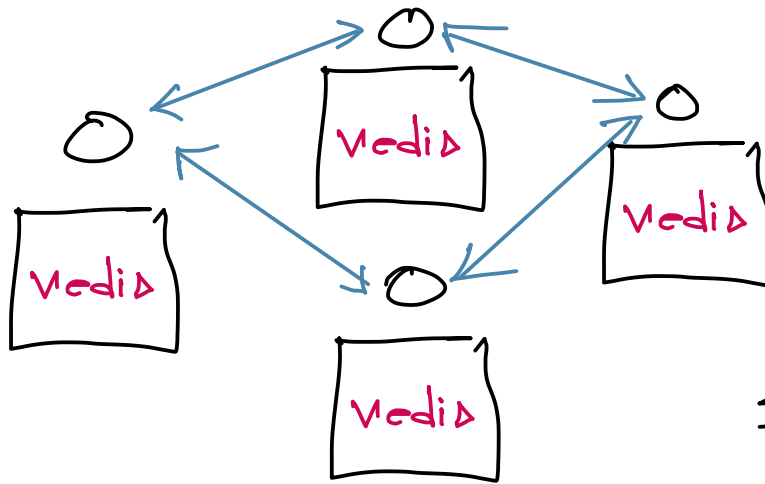


## Model:-

- 1) To be used only on local LAN.
- 2) Small no of Servers, connected with "fast" links. Communication is not the "bottleneck". Geographically close.
- 3) Usage for "collaborative tasks". Generally 4-5 users make changes in the same files simultaneously only for editable files .txt, .cpp, etc

# Distributed Key Value Storage



Input:-

Redis Command:-

SET <>, <>

GET <>

Output:-

Code:- 200 OK

Reply:- Value OR Error

On failures how to redirect?

- 1) Virtual IP
- 2) Dynamic DNS
- 3) Zookeeper

Metadata Client

Dir

Key  $\rightarrow$  Metadata

Dir - A.txt

Files! Dir/A.txt  $\rightarrow$  Metadata

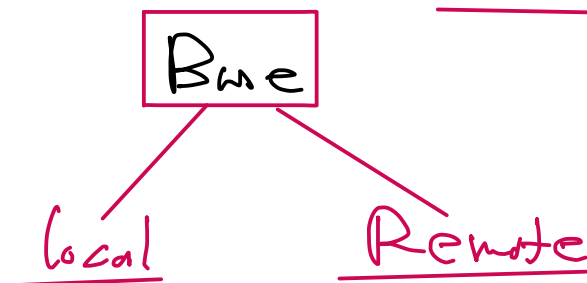
Dir/A.txt/1

Inotify - <bb!

Weak & Strong checksum

See Rsync

Menye!



Conflict Copies

Bootup! (Directory Scan)

locks

X-MODIFY  $\rightarrow$  Sync or X sec

Delete

✓ ??

Totally Delete