Today — Lesson 8 videos

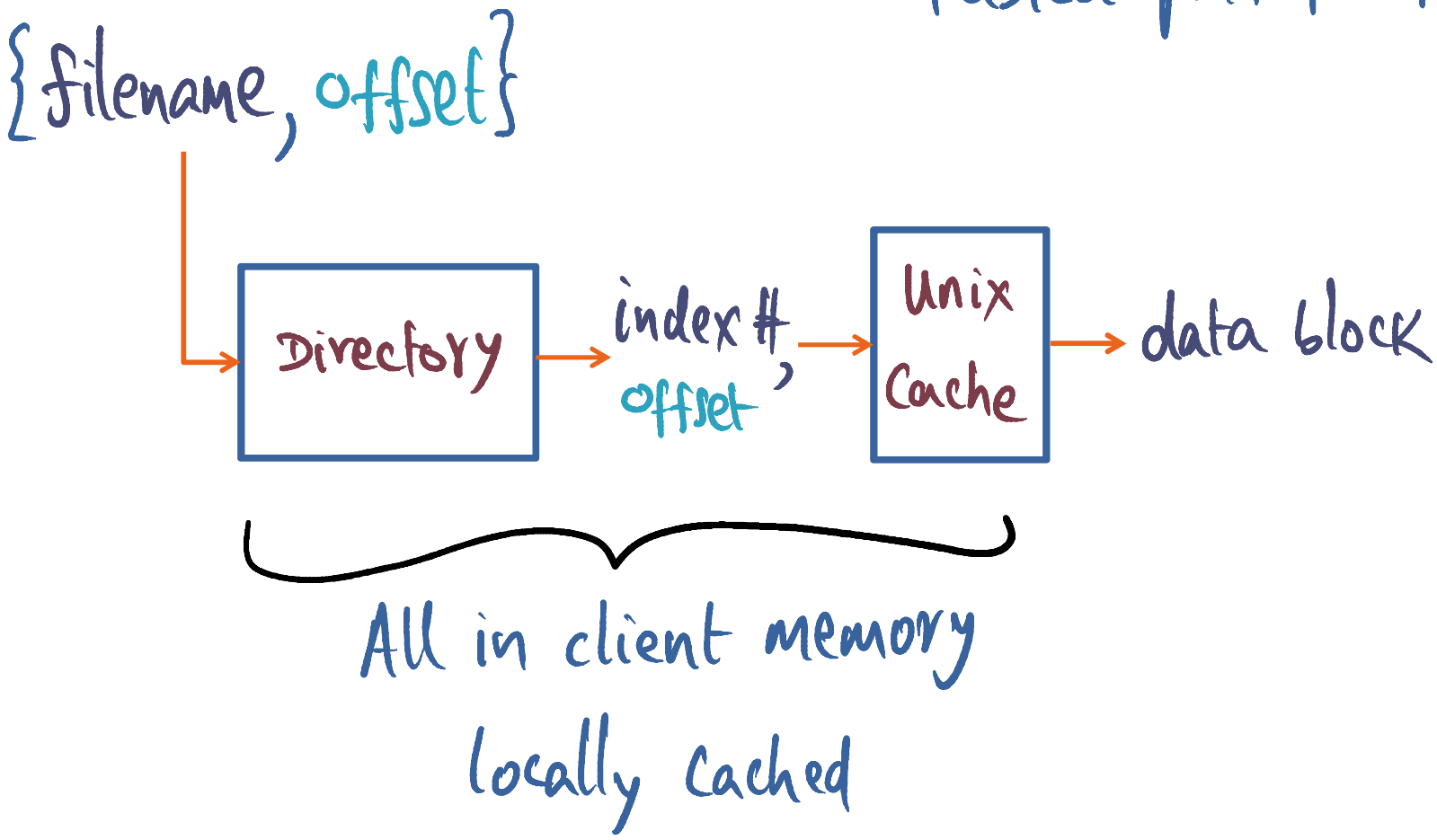
- DFS
- LRVM

Friday

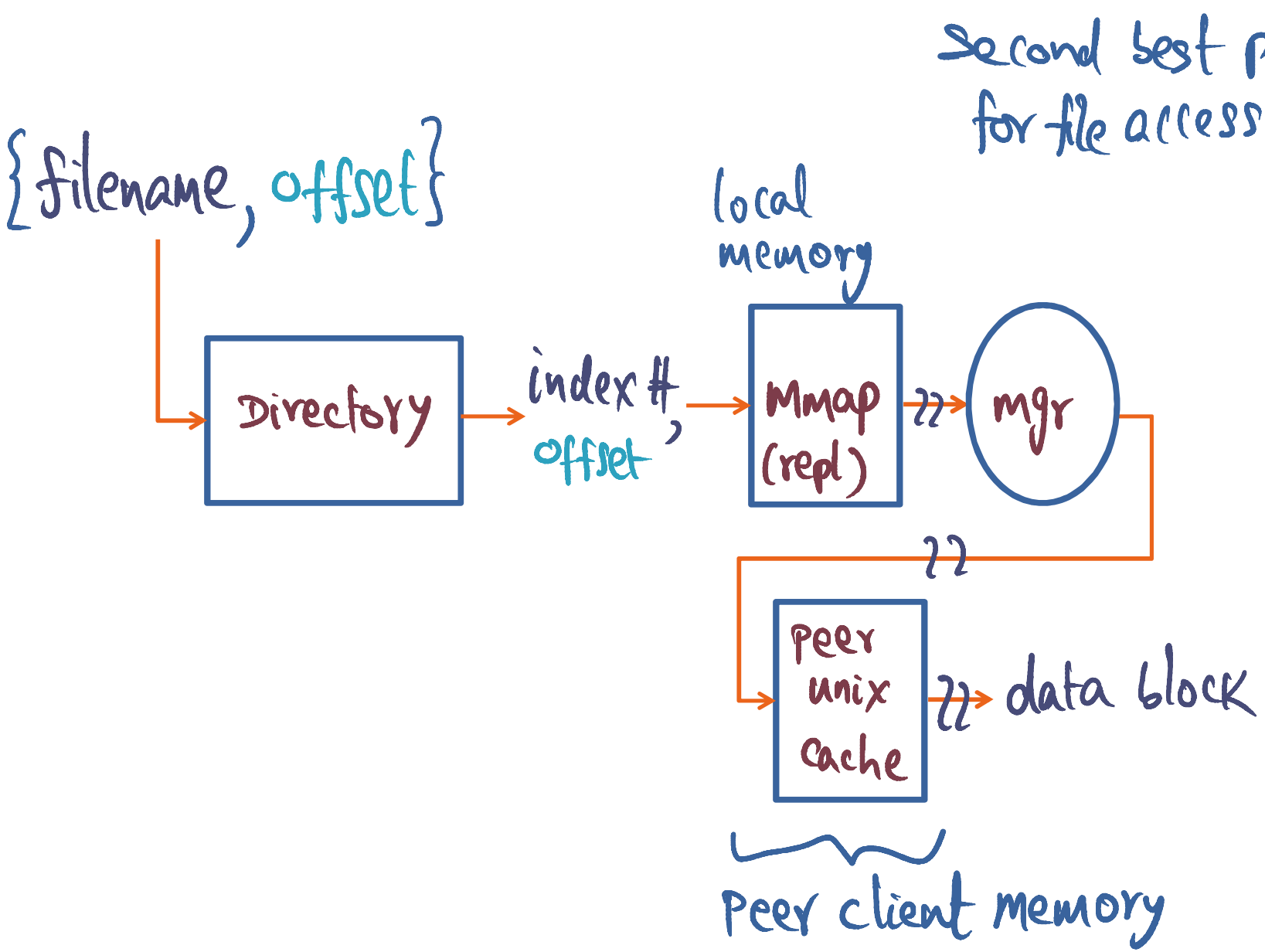
- RioVista
- Hg

Client Reading a file – Own Cache

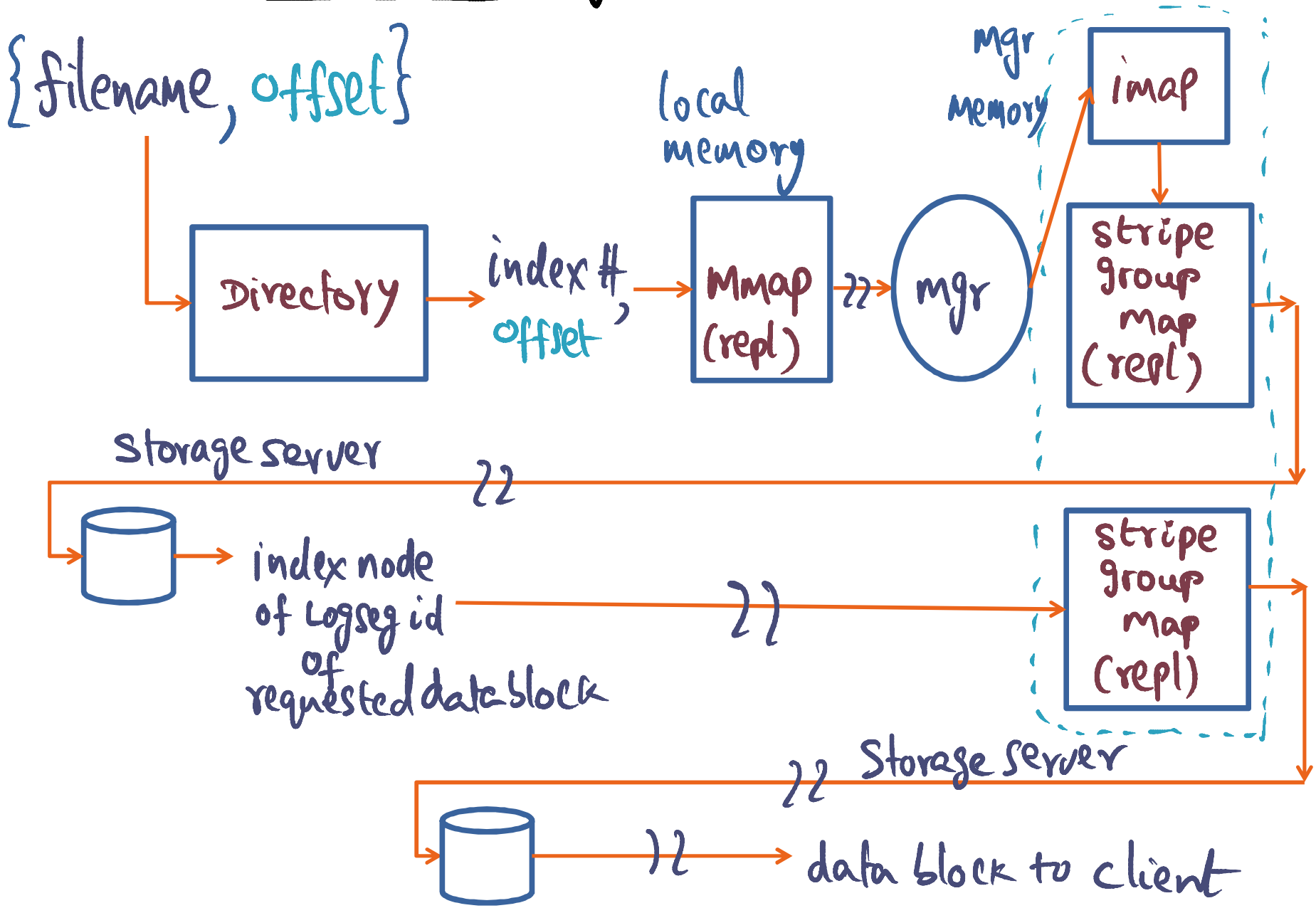
Fastest path for file access



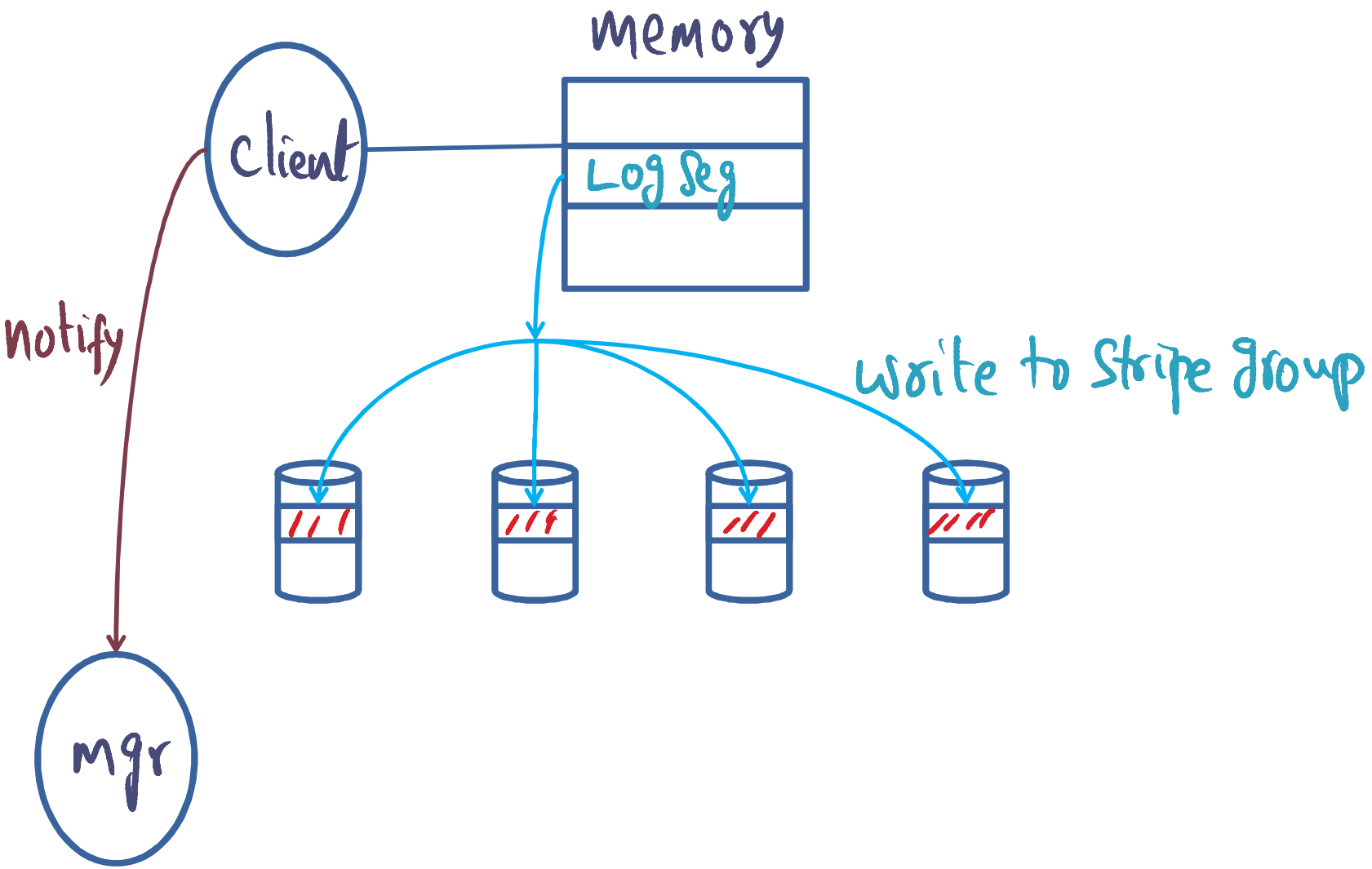
Client Reading a file – Get from peer cache



Client Reading a file – the real long way!



Client writing a file



Key Takeaways

- Network file systems are important components of any computing environment – corporate or university. There are companies that have sprung up (such as NetApp) solely to peddle scalable NFS products.
- Design and implementation of distributed file systems, in particular how to make the implementation scalable by removing centralization and utilizing the memory available in the nodes of a LAN intelligently.
- Such techniques for identifying and removing bottlenecks are the re-usable nuggets that can be taken and applied to the design and implementation of other distributed subsystems in addition to file systems themselves.

Overall, creative ways to fully utilize idle memory available in the nodes of a LAN.