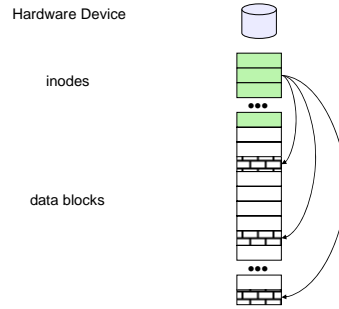


**CSE 451: Operating Systems
Autumn 2009**

**Module 18
File System Summary**

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UFS

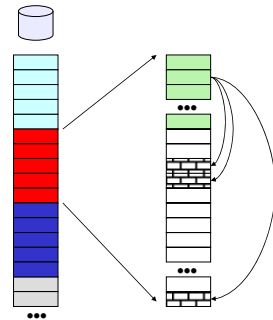


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Low throughput addressed by:

- larger blocks
- cylinder groups
- aggressive caching
- hardware awareness

FFS

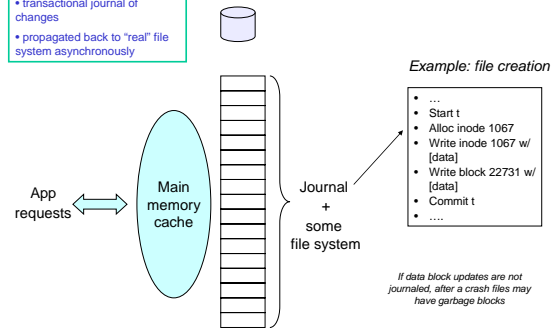


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Long post-crash boot times addressed by:

- transactional journal of changes
- propagated back to "real" file system asynchronously

JFS

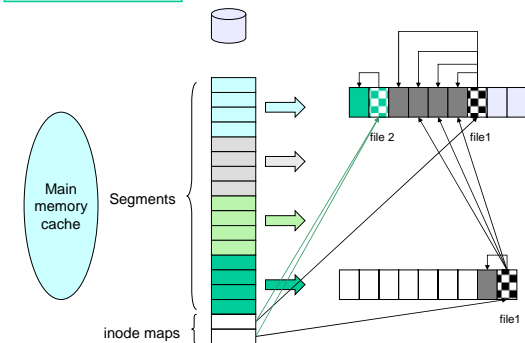


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Write throughput addressed by:

- the file system is a log

LFS



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