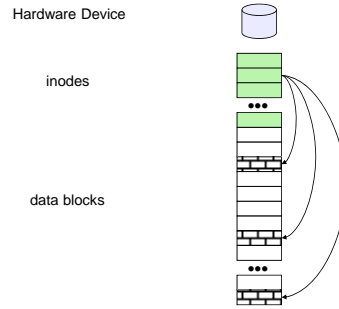


CSE 451: Operating Systems
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Module 19
File System Summary

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UFS



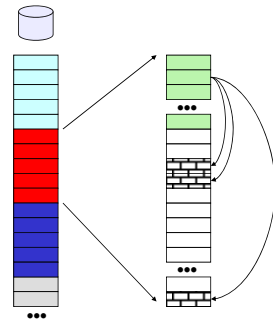
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2

Low throughput addressed by:

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

FFS



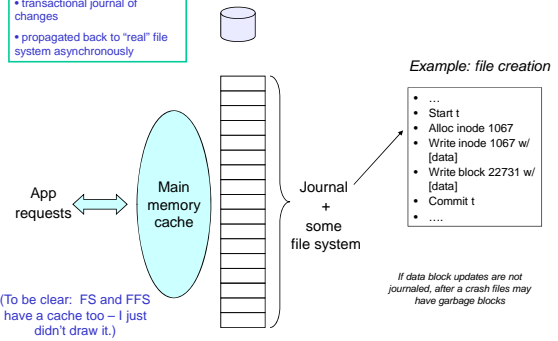
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3

Long post-crash boot times addressed by:

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

JFS



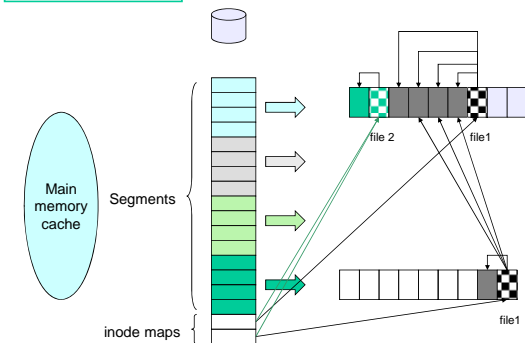
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4

Write throughput addressed by:

- the file system is a log

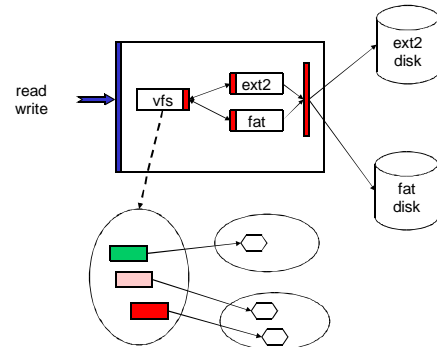
LFS



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Supporting Multiple File Systems: vfs



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