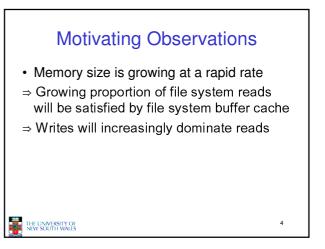


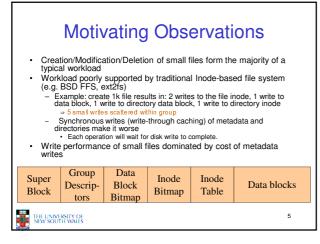
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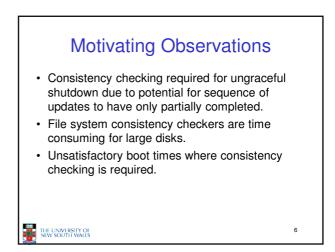
"The Design and Implementation of a Log-Structured File System" Mendel Rosenblum and John K. Ousterhout ACM Transactions on Computer Systems, Vol 10, No. 1, February 1992, Pages 26-52

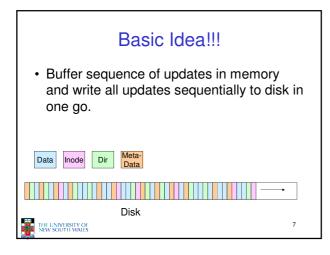
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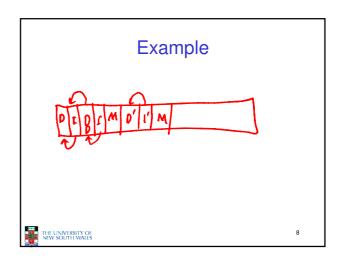
THE UNIVERSITY OF NEW SOUTH WALES

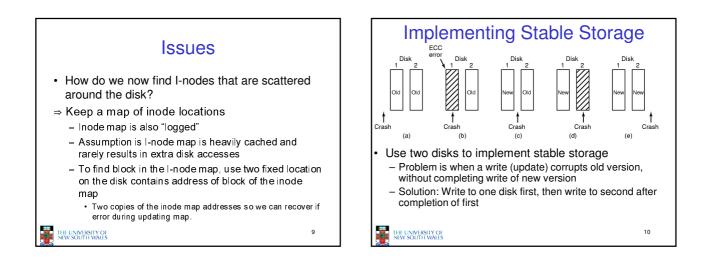


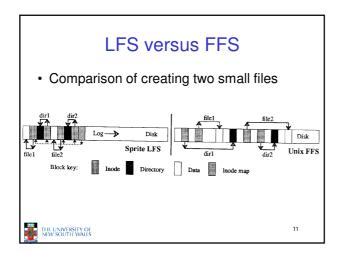


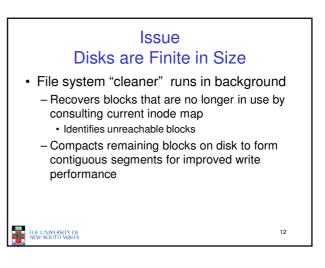


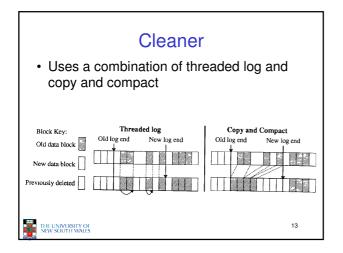


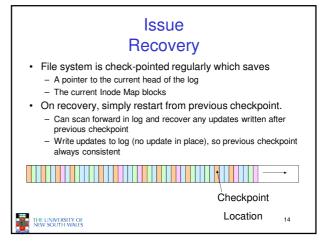


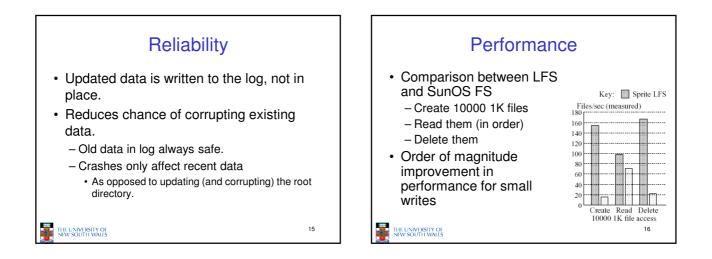


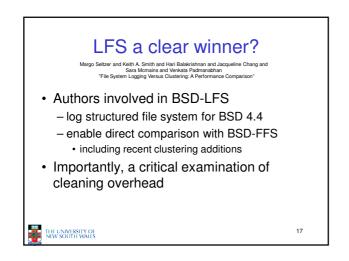


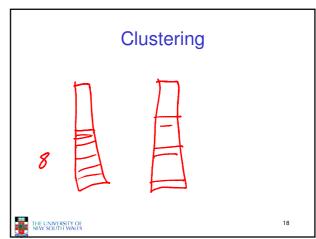


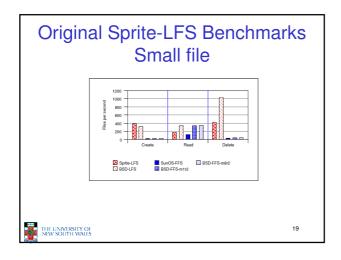


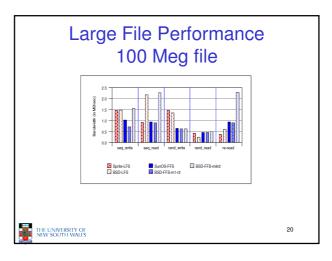


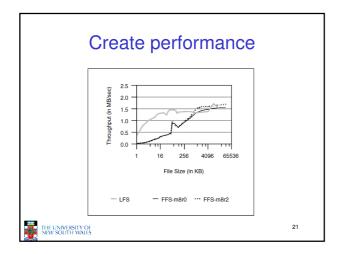


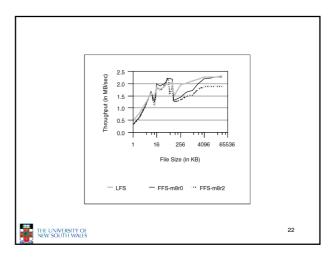


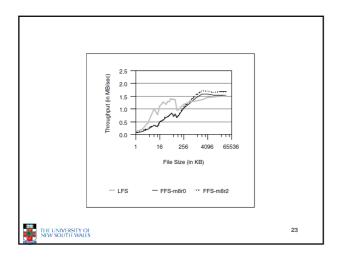


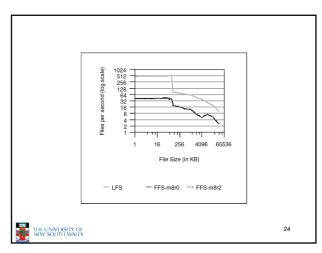


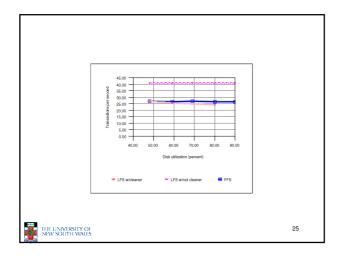




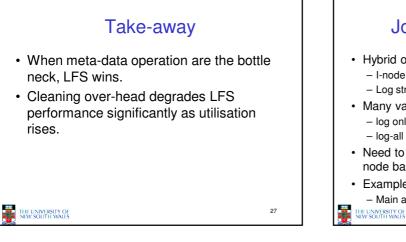












Journaling file systems

- · Hybrid of - I-node based file system - Log structured file system (journal) Many variations - log only meta-data to journal (default) - log-all to journal · Need to write-twice (i.e. copy from journal to inode based files)
- Example ext3 - Main advantage is guaranteed meta-data consistency

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