Issues in Locking Chapters

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Overview

• Revising Locking Chapter
  – Two separate chapters
    • General state management
    • Opens and byte-range locking
• Pretty much done, will submit Tuesday
• But a few issues discovered
  – Need to resolve them
State reclaim and pers. sessions

- **Persistent sessions have persistent clientid**
  - Causes difficulties
    - No sharp delineation of reclaim phase
    - Issue with open-upgrade on reclaim

- **Choices**
  - Leave as is
    - And do something about open-upgrade on reclaim
  - Force new session
  - New client id
    - Plus way to bind new clientid to existing session
Layouts and stateids

• Not major but need to resolve
• State management chapter describes types of stateids
  – Currently assuming layouts will have stateids
  – Will need to update if they don’t
Layouts and Grace

• Prohibition of LAYOUTGET during grace
  – Exception for persistent layout segments
    • Unclear exactly what is meant
    • Unclear about purpose
  – Does not address significant issue
    • IO through data server vs. restrictions on READ and WRITE during grace period
    • Must not allow way around these restrictions