NFSv4.1 Updates

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Agenda

• Review of changes to NFSv4.1 I-D and open issues (Shepler/Noveck) (45 minutes)
Overall Status of NFSv4.1 I-D

- Connectathon (Feb) / Bakeathon (June/Oct)
- Draft 11 (sessions) and Draft 12 (pNFS)
- Formal reviews
  - Completed:
    - Sessions, pNFS, ACLs, namespace - current
  - Upcoming
    - Locking, directory delegations, delegation enhancements
NFSv4.1 Draft12 pNFS updates

- deviceid 32bits -> 64 bits
- mdsthreshold clarifications
- Definitions clarifications
- Removal of “layout segment”
- Other cleanup
pNFS open issues

- Layout hint attribute on OPEN (or a later SETATTR)
- Device ID Mapping and Leasing
- Layout segment type
- adding stateids back to layouts
Towards WG Last Call

- Specification in various implementations and testing stages:
  - June Bakeathon
  - pNFS prototypes
- Formal reviews proceeding on sub-sections
  - See next slide
  - Changes require clear counterproposal and justification
  - Shepler driving issue closure
- Three months to WG last call
Pacing Schedule to WG Last Call

- Review of sessions, ACLs, and 2 chapters of pNFS complete.
- Draft 12 was released 7/9
- Review of remaining pNFS issues, namespace this week
- Draft 13 release 8/1
- Review of locking chapter, directory delegations and delegation enhancements completed by 9/7
- ExchangeID and Destroy Client ID 9/14
- pNFS blocks and objects specifications 9/21
- Any other sub-sections?
End Game to WG Last Call

- Section reviews complete 9/17
- Final WG review copy 10/1
- Bakeathon and specification nits - University of Michigan Oct. 8 - 12, 2007
- Start of WG Last Call - Oct 22, 2007
  - NFS 4.1
  - pNFS block and object specifications
- Submission to IETF - Dec 2007
Questions, issues?