# NFSv4.1 Updates

## Spencer Shepler

# 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?

Monday July 23, 2007
09:00 - 11:30

Chicago, Ill. - IETF 69th