

# **NFSv4 Migration Document Status**

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Nfsv4 Working Group meeting at IETF88

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# To be Discussed

- [draft-ietf-nfsv4-rfc3530-migration-update](#)
- [draft-ietf-nfsv4-rfc5661-migration-update](#)
  - Note: TBD
- [draft-ietf-nfsv4-migration-issues](#)
- Migration implementation work
  - For NFSv4.0, considerable work done
    - Chuck Lever's presentation will cover
  - NFSv4.1 just starting

# draft-ietf-nfsv4-rfc3530-migration-update-03

- Addressed issue of NFS4ERR\_DELAY and RELEASE\_LOCKOWNER
  - Return allowed for migration
  - Restrictions to address client compatibility
- RECOMMENDATION for FS-grace if no TSM
  - If neither, lock loss problem
- Updated discussion of clientid-related errors
- Reworked discussion of owner-based info
  - Should reduce need for testing individual stateids

# draft-ietf-nfsv4-rfc3530-migration-update

## Future Revisions

- Needed for future revisions
  - Clarifications
  - Other changes prompted by wg discussion
  - Issues which arise from implementation experience
  - Change so we update rfc3530bis RFC (and not 3530)
    - Probably need to wait for rfc3530bis approval
- Looking for WG last call around IETF89

# draft-ietf-nfsv4-rfc5661-migration-update

- Work on draft starting now
  - Needed since implementation work is starting.
    - Want to hear about people's needs in this area
- Comparison with v4.0 document:
  - Client-id string approaches (no need in v4.1)
  - = Lease-merger needed also
  - + Need to address pNFS-related issues
  - + Co-ordination with locations\_info stuff
  - ? Other v4.1-related areas people are interested in

# Stateid issues for v4.1 migration

- V4.1 stateids are qualified by clientid
  - Effective stateid space is bigger than in v4.0 😊
- Trying to separately assign stateids of a per-fs basis
  - Tempting but it runs into trouble 😞
  - Problem with FREE\_STATEID and TEST\_STATEID
    - No way to specify the fh
    - Hard to change at this point, even if, in retrospect, it's a mistake
    - Better extension mechanism would help.

# draft-ietf-nfsv4-migration-issues-04

- Explanation of issues and choices in this area
  - Covers both minor versions
    - Pretty complete coverage of v4.0
    - Treatment of v4.1 is more limited right now
- Recent change in -04
  - Mention option for SETCLIENTID\_PLUS
- Document future
  - Will update to reflect any issues found in doing rfc5661 migration update
  - May eventually publish as informational RFC