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NFSv4.2: Third Edition

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Tuesday, March 22, 2011

Working premises

- Being added to the WG charter

- Must abide by Minor Version rules

- No huge documents
  - Will not repeat what is in RFC 5661
  - Will provide
    - New material
    - Deltas
    - Full XDR in nfsv4-minorversion2-dot-x

- Train model
  - 5/6 years down to 1 year
  - Clock starts now

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Entry criteria to NFSv4.2

- Solid proposal exists in an I-D
  - Must be able to finish development by IETF 83
- Sufficient energy exists
  - Multiple groups are committing to the proposal
  - Needs a champion/driving force
- Must abide to the Minor Version rules

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Exit Criteria for NFSv4.2

- If it holds up the train
  - Feature is bumped to NFSv4.3
  - NFSv4.2 will not be derailed
- Otherwise we risk a repeat of NFSv4.0 and NFSv4.1

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Items onboard

- Bug fixes
  - LAYOUTRETURN can provide errors to MDS
  - Client can register CB for LEASE_MOVED
  - Change attribute semantic
- Functional Changes
  - NFS Server-Side Copy
    - Need to pull in RPCSEC GSS v3
  - Simple and efficient read support for sparse files
  - NFS space reservation operations

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Items at the ticket booth

- Server side caching of file creation (Myklebust)
- Enterprise Apps (Haynes)
  - Mainly want to leverage synergy with sparse files
- MAC Security Label Support (Myklebust/Faibish)
  - Need to pull in RPCSEC GSS v3

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Administivia

- Reuse source model of 5661 and 3530bis
  - Automatically generate XDR document
  - Keeps main document in sync with XDR
  - Works
- Source control
  - Git
  - git@github.com:loghyr/NFSv4.2.git
  - Drafts at datatracker.ietf.org are authoritative
- Discussion will be on WG alias

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Personal drafts already available

- nfsv4-minorversion2-dot-x
  - -00 is XDR as presented in 5662
    - Will allow us to do diffs
  - -01 has changes per accepted fixes/features
- nfsv4-minorversion2-x
  - -00 has changes per accepted fixes/features
    - 64 pages vs 617 in RFC 5661
  - Next drafts will start to reformat sections like previous minorversion documents

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