

Rfc5661bis Effort

Doc Status and Path Forward

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Nfsv4 Interim WG Meeting

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Overview of Contents

- Documents
 - Recently submitted: *rfc5661bis-05*,
 - Planned to submit soon: *acls-02*, *internationalization-09*
 - Plans for other docs: 62bis, security,
- Steps going Forward
 - Adoption backlog
 - Discussion needed
 - Need to establish target dates

Submitted Documents

Changes in *rfc5661bis-05* (Slide One of Two)

- New section 1.3
 - Description of things that needed to be fixed..
 - Includes some protocol extension as allowed by RFC8178.
 - Covers the entire rfc5661bis effort.
 - Should be a good focus for review as we try to move toward closure
- Clarification of the -04 changes related to the retry issues discussed in Appendix C.2.1
 - Addressed issues found by Olga K: more clarity needed in false-retry discussion, clearer text about reasons for the various deletions of **MUST**.

Submitted Documents

Changes in *rfc5661bis-05* (Slide Two of Two)

- A lot of work on directory delegations:
 - Added multiple means of passing position information in content modification notification as suggested by Rick M.
 - Added better facilities for authorization of local equivalents of LOOKUP, READDIR, GETATTR.
 - Had to extend notification enum to make these happen.
 - Some of these enum values are new flags rather than notifications.
 - Major reorganization of three sections for greater clarity:
 - Directory Delegation top-level section,
OP_GET_DIR_DELEGATION, OP_CB_NOTIFY.

Planned Documents

Planned for *Acls-02* (Slide One of Two)

- Replacement of Aclfeature by Aclchoice
 - Simpler choice model, particularly for clients that expect the UNIX ACL model.
 - Done as part of v4.1 as a protocol extension.
- Discusses necessary limitation of scope
 - Need to bring the rfc5661bis effort to a close
 - WG needs to discuss what is doable.
 - Some elements in the NFSv4 ACL model might never have been implemented or take too much effort to get agreement on.

Planned Documents

Planned for *Acls-02* (Slide Two of Two)

- Structure of Aclchoice:
 - Flags for individual extensions
 - Flags for allowed behavioral variants
 - Allows extra data for messy areas
- Mutability of Aclchoice:
 - New flags and data items can be added as extensions.
 - Stuff could be made mandatory-not-implement in NFSv4.3, for example.

Planned Documents

Planned for *Internationalization-09*

- Current plan is to base it on `extrev_try-01`.
 - Will include changes found during review.
 - Will provide time for objections/reviews.
 - Target date for submission is 6/17.
- This complete the effort from my point of view:
 - May need time for discussion before WGLC.
 - Could try another external review cycle, if that makes sense.

Other Documents

Security

- Idle for now since the focus is on other documents
- Will make changes in response to working group comments
- Need to get adoption issue dealt *without further excessive delays*. See Slide 10 for details.

Other Documents

rfc5662bis

- Adoption of requested at last meeting, but ..
 - No action, no message to working group, no issues raised with author.
 - Request essentially ignored.
 - Months of unexplained delay is becoming the norm here. That is **NOT OK**
- Plans for -03:
 - Transfer extension from rfc5661bis-05 and acl-02
 - Look at path toward WGLC.

Going Forward

Adoption Backlog (Slide One of Two)

- Adoption of security now stuck:
 - Adoption of security-07 requested 12/2023 . No response for a long while.
 - In 2/2024 , chairs raised issue of mapping of user/group names to/from uids/gids.
 - Issue fixed in security-08 but no follow-up from chairs.
 - When issue raised at 5/21/2025 interm meeting, chairs only response was , “It didn’t feel like a consensus”. No substantive issues raised.
- Now renewing adoption request for -09. Need a prompt response so any issue can be dealt with. Waiting months is **NOT OK.**

Going Forward

Adoption Backlog (Slide Two of Two)

- Adoption of rfc5662 stuck for last weeks.
 - Seems to have forgotten/ignored like security was.
 - Need to treat request more seriously and not get into months of confusion./delay
- Even if backlog is cleared when adoption of acls-02 is requested, cannot afford a repeat of the current pattern.
 - If there are issues blocking adoption they need to be discussed and promptly brought to the author's attention.

Going Forward

Discussion Needed

- Need discussion to resolve possible disagreements as soon as possible.
- Need to focus on:
 - Section 1.3 of rfc5661bis.
 - Issues raised in the Appendix C.2 of rfc5661bis.
 - Consensus items listed in Security.
 - Consensus Items listed in acs.
 - Finding implementations of the many variants of the ACL feature and clearly describing their behavior.

Going Forward

Need to Establish Target Dates

Document	Things to clear up
61bis	Need to decide what is missing, if anything.
I18n	Need to clear up issues about what is needed for WGLC-readiness
Security	Once Adoption issues , if any, are resolved, need to get WG discussion going.
Acls	Need people to read it and comment. Comments made during Adoption call need to be addressed promptly
62bis 6/4/2024	Need to avoid Adoption Nightmare. Otherwise looks OK