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

6/4/2024
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.

6/4/2024
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 being 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.

6/4/2024
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 interim 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 acls.
  • Finding implementations of the many variants of the ACL feature and clearly describing their behavior.
## Going Forward
Need to Establish Target Dates

<table>
<thead>
<tr>
<th>Document</th>
<th>Things to clear up</th>
</tr>
</thead>
<tbody>
<tr>
<td>61bis</td>
<td>Need to decide what is missing, if anything.</td>
</tr>
<tr>
<td>l18n</td>
<td>Need to clear up issues about what is needed for WGLC-readiness</td>
</tr>
<tr>
<td>Security</td>
<td>Once Adoption issues, if any, are resolved, need to get WG discussion going.</td>
</tr>
<tr>
<td>Acls</td>
<td>Need people to read it and comment. Comments made during Adoption call need to be addressed promptly</td>
</tr>
<tr>
<td>62bis</td>
<td>Need to avoid Adoption Nightmare. Otherwise looks OK.</td>
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