NFSv4.3?
IETF 119, NFSv4 WG

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Be careful making snide comments

- Joked once or twice we should do NFSv4.3
- Asked to do a session on it!
Why would we want to do NFSv4.3?

• We have something we want to deprecate.
• We have something we want to make mandatory.
• We have a new feature that breaks RFC8178.
  • Client and server can not infer correct behavior.
• We have gathered enough baggage for a new train to depart.
Is it time for a new train?

- I.e., instead of 5-6 small drafts, roll them into 1
- We kinda did this with NFSv4.2.
  - But nowhere near the content
Security

• We can not REQUIRE that NFSv4.0, NFSv4.1, and NFSv4.2 suddenly become secure
  • draft-dnoveck-nfsv4-security-08
  • Breaks RFC8178

• We could REQUIRE that NFSv4.3 become secure
Impact on existing minor versions

- Does not help NFSv4.0
  - I don’t care
- Helps NFSv4.1 and NFSv4.2
  - NFSv4.2 is simple to bolt onto NFSv4.1
  - Almost everything is optional
- NFSv4.3 could likewise be simple to extend both of them
Size of NFSv4.3 document

- RFC3530 - NFSv4.0 - 275 pages
- RFC7530 - NFSv4.0bis - 322 pages
- RFC5661 - NFSv4.1 - 617 pages
- RFC8881 - NFSv4.1bis - 560 pages
- draft-ietf-nfsv4-rfc5661bis-02 - NFSv4.1bis2 - 678 pages
- RFC7862 - NFSv4.2 - 104 pages
- A 104 pages felt large, would like 1/2 that for NFSv4.3
A one page NFSv4.3

- Security is now REQUIRED to implement and deploy.