IMAP4 revision 2

draft-ietf-extra-imap4rev2-30.txt
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Goals - general

- Make life easier for <u>client</u> developers who would be able to only implement IMAP4rev2 in the future

  - But try not to boil the ocean in the process

- Easy to implement for IMAP4rev1 server implementors, as they do most of the new things included in IMAP4rev2 already

- IMAP4rev2 can co-exist with IMAP4rev1 on the same port

Major changes done in WG -30 since -20

- Document both IMAPS (port 993) and IMAP (port 143) properly. Clarified where requirements applied to one and not the other (e.g. LOGINDISABLED is only required to be implemented on the cleartext port)

- Added text about how to properly implement STARTTLS to avoid known CERT reports

- More detailed description on how IMAP4rev2 can co-exist with IMAP4rev1 on the same port

- 63bit body part and message sizes

- Tighten requirements on COPY/MOVE commands in regards to not creating target mailbox

Changes done in WG -30 since -20 (continued)

- Fixed the list of mandatory-to-implement TLS 1.2 ciphers un line with RFC 7525. (TLS 1.3 list was fine.)

- More security considerations, in particular about how clients must handle untagged response invalid in the current state.

    - LIST before authentication

    - PREATH injection can force the client to bypass STARTTLS!

    - Injected ALERT with URLs before STARTTLS can be used for phishing!

Other changes/clarifications to do in the future

- BODY[n.MIME] definition is unclear for leaf body parts

Next steps

- The document is in the RFC Editor queue

- Implementation experience is needed!

- Might revise the document in a year or so, if lots of issues are found