

SMTP Service Extension for message Media Size declaration

(draft-shveidel-mediasize-01.txt)

IETF-55 Update

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ESMTP – MediaSize extension

- ⌘ In a Multimedia / Multi-Context message store a “Quota per media” is maintained.
- ⌘ Implements a requirement from um-issues internet draft (draft-vaudreuil-um-issues-00.txt)
- ⌘ Same in concept as RFC 1427 (“SMTP Service Extension for Message Size Declaration”) but extends it to “multi-media”.
- ⌘ Builds on “message-context” internet-draft (draft-ietf-vmim-hint-08.txt)

MediaSize Overview

⌘ "...Allows an SMTP client and an SMTP server to coordinate transmission of a message based on its size, classified by specific media type(s). This allows the server to manage quota per media or per message-context (see [6])..."

MediaSize – Main updates in 01.txt

- ⌘ Format syntax corrected.
- ⌘ Clarified Server and Client actions in error conditions.
- ⌘ Added requirement for supporting at least 32 bit unsigned integer size-value representation

MediaSize: Open Issues – for discussion

- ⌘ 1. What are the available MediaTypes?
 - ☒ Message-Context, Content-Type, IMAP Quota?
 - ☒ A new, specific one
- ⌘ 2. MediaSize vs. “General Resource”
 - ☒ Abstrace resources examples:
 1. MediaSize
 2. Resource=No of Fax Pages. Measurment Unit = pages.
 3. Number of Attachments
 4. Number of attachements for a specific media-type (e.g.Number of Voice Attachments

For Further Information...

⌘ UM-LEMONADE mailing list

✉ send 'subscribe um'

to:

Majordomo@mail.snowshore.com

⌘ Contact us

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Additional / Spare slides

ESMTP – MediaSize extension

- ⌘ EHLO-based capability:
250-MEDIASIZE media1:size1;size
media2:size3 ...
- ⌘ Client adds (optional) media:size as a
parameter to MAIL command.
- ⌘ Server may reject message based on
“global size” or “media size” quota basis.

MediaSize example

⌘ Example:

C: EHLO merlot.mailsrv.com

S: 250- merlot.mailsrv.com

...

S: 250 SIZE 1000000

S: 250 MEDIASIZE video:100sec;10000kb /
fax:20pages;2000kb voice:10sec

C: MAIL FROM:user@mail.com /
SIZE=80000; video:7sec; fax:3pages

S: 250 Address Ok.

C: RCPT TO: <recv1@mailsrv.com

S: 250 recv1@mailsrv.com OK; can accept /
80000;video:7sec;fax:3pages

C: RCPT TO: recv2@mailsrv.com

S: 452 insufficient system media storage /
(fax): recv2@mailsrv.com Server

MediaSize – Feedback Received

⌘ Dan Wing (Cisco):

- ☑ Use only “message-context size”.
- ☑ Need to externalize/define/clarify the Transformation among unit-sizes (or “use only size in bytes”).

⌘ Dan Kohn [dan@dankohn.com]

- ☑ Use ‘kibibytes’ (not kilobytes).