

Manage Sieve Protocol

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Introduction

- Manage Sieve protocol is defined in draft-martin-managesieve (currently draft-martin-managesieve-05.txt)
Simple IMAP-like protocol originally written by Tim Martin, while he was working for CMU.
- Implemented in CMU Cyrus mailserver. See also <http://wiki.fastmail.fm/index.php/SieveExtensionsSupportMatrix>.

Technical overview

- Each user has a repository of named SIEVE scripts.
- Scripts can be uploaded, downloaded, deleted, listed.
One of the user's scripts can be the currently active script. A user can have no active scripts.
- ManageSieve protocol supports SASL authentication (same as IMAP or POP).
ManageSieve servers can support SSL/TLS.
ManageSieve protocol supports list of available capabilities (extensions).

Example

(changing the active script)

```
S: "IMPLEMENTATION" "Isode M-Box SIEVED server 11.4v0-alpha"  
S: "SIEVE" "fileinto reject envelope vacation imapflags notify subaddress  
copy comparator-i;ascii-numeric relational spamtest"  
S: "SASL" "PLAIN OTP DIGEST-MD5 CRAM-MD5"  
S: OK  
C: Authenticate "DIGEST-MD5"  
  
S: OK  
  
C: listscripts  
S: "movespam" ACTIVE  
S: "vacation-short"  
S: "vacation-long"  
S: "sms-notifications"  
S: OK  
C: setactive "sms-notifications"  
S: OK  
C: Logout  
S: OK
```

Example (reading script from the server and updating it)

```
C: getscript "vacation"
C: {180}
C: require "vacation";
C: if header :contains "subject" "present" {
C:   vacation "I'm out -- send mail to me@home.net";
C: } else {
C:   vacation "I'm out -- call me at 304 555 1212";
C: }
C:
S: OK
C: putscript "vacation" {180+}
C: require "vacation";
C: if header :contains "subject" "present" {
C:   vacation "I'm out -- send mail to me@home.net";
C: } else {
C:   vacation "I'm out -- call me at 304 555 0102";
C: }
C:
S: OK
```

How to extend ManageSieve to work with draft-ietf-lemonade-imap-sieve-00.txt?

- Proposal (subject to change):
- Proposal to extend SETACTIVE command to allow to bind different SIEVE scripts to different event types:
 - e.g. SETACTIVE "APPEND" "INBOX" will set active script when a message is APPENDED to INBOX.
- Add GETACTIVE to allow to list script active for certain event type/mailbox combination.
- Possible extension to LISTSCRIPTS command to limit the amount of data returned