Sieve Snooze

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What is it?

- A new Sieve action that postpones the filing of an incoming message into a target mailbox until a later point in time.

- Essentially its a fileinto which happens in the future.

- The mechanics of snoozing and awakening is an implementation detail, but this could be done with a special IMAP mailbox or via SMTP Future Message Release.

Current syntax

snooze [:mailbox string] [:weekdays string-list]
       [:tzid string] <times: string-list>

- :mailbox – target mailbox for the awakened message; default is INBOX
- :weekdays – set of days on which the awaken times apply; "0" (Sun) – "6" (Sat); default is every day
- :tzid – IANA time zone id in which to interpret the awaken times; default is server tzid
- times: set of hh:mm:ss times at which to awaken the message

Example

snooze :weekdays ["1", "2", "3", "4", "5"]
  ["09:00:00", "15:00:00"]

- A message that arrives at 8am on Monday will be awakened at 9am on Monday

- A message that arrives at noon on Monday will be awakened at 3pm on Monday.

- A message that arrives at 5pm on Monday will be awakened at 9am on Tuesday.

- A message that arrives after 3pm on Friday or any time Sat/Sun will be awakened at 9am on Monday.

Extensions

- Imap4Flags: Specify :addflags/:removeflags to set/unset flags on the awakened message. The internal variable can be used to set flags at snooze time.

- Mailbox: :create target mailbox if nonexistent

- Special-Use: Specify target mailbox by :specialuse attribute (fallback to :mailbox)

- MailboxID: Specify target mailbox by :mailboxid (fallback to :mailbox)

Alternate Proposal

⌐⅄Extend keep/fileinto

➢ What would the syntax look like?

➢ How to specify flags to set at snooze time AND those to set/unset at awaken time?

Alternate Proposal

⌐⅄Put awaken options inline?

➢ fileinto :tzid "America/New_York"
        :snoozeuntil "09:00:00" "INBOX.foo";

⌐⅄Put awaken options in a trailing test-list-like structure?

fileinto :flags "$snoozed" :create "INBOX.foo"
       (snooze :removeflags ["\\Seen", "$snoozed"]
         ["09:00:00", "15:00:00"]);

Alternate Proposal

¬⅄Put awaken options in a block?

```
fileinto :flags "$snoozed" :create "INBOX.foo"
{
    snooze :removeflags ["\\Seen", "$snoozed" ]
           [ "09:00:00", "15:00:00" ] ;
}
```

Next Steps

- Continue with new snooze action or explore extending keep/fileinto?

- Any other issues?