Sieve Snooze

draft-ietf-extra-sieve-snooze-00

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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 file into 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" ]

mination 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?

```plaintext
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?