Using mail on macOS
Don't use Klickibunti

Egon A. Grünter

private

April, 6th 2023

Section 1

Intro

Tools

- *fetchmail*
  - fetch all mails from server
- *procmail*
  - sort mails into mailboxes
- *mutt*
  - mailclient
  - highly configurable

Result

- all mails stored on my MacBook
- simple mbox format

Problem

- iPhone & iPad arrived

- mail should be kept on IMAP server

  ⇒ can't use fetchmail anymore

  ⇒ procmail can't sort anymore

Solution

- use Apple Mail? **No!**

    $\Rightarrow$ search for other commandline tools

Section 2

imapfilter

General

- https://github.com/lefcha/imapfilter
- mail filtering utility
  - copy, move, flag, delete
- Internet Message Access Protocol (IMAP)
- Configuration := LUA script

Installation

```
sh> brew install imapfilter
...
sh> which imapfilter
/opt/homebrew/bin/imapfilter
```

Configuration

- use functions for structure
- set some options
  - timeout after 2m
  - use subscribed folders only

```
function main()
 options.timeout = 120
 options.subscribe = true
end
```

Configuration 2

- get password from Keychain App

```
function main()
    ...
    local handle = io.popen("security find-internet-password \
        -g -a mail1 -s my.smtp.srv 2>&1 | \
    perl -e 'if (<STDIN> =~ m/password: \"(.*)\"$/ ) {
        print     $1;
    }'")
end
```

Configuration 3

- define filter criteria

```
function main()
    ...

    subj = {['text to match subject'] = 'folder',
            ['next text to macht'] = 'other folder'}

    from = {['first@from.address] = 'folder',
             'second@from.address] = 'other folder'}

    to = {['first@to.address'] = 'third folder'}
end
```

Configuration 4

- get mails and status info

```
function main()
    ...

    account1.INBOX:check_status()
    mails = account1.INBOX:select_all()
end
```

Configuration 5

- start sorting
- same for from and to criteria

```
function main()
    ...
    for s in pairs(subj) do
        mv_if_subj_contains(account1,mails,s,subj[s])
    end
    ...
end
```

Sorting functions

- same for from and to address

```
function mv_if_subj_contains(account,mails,subj,mbox)
   filtered = mails:contain_subject(subj)
   filtered:move_messages(account[mbox]);
end
```

Todo

- optimize LUA configuration
- run imapfilter as a daemon
- reduce number of filters

Section 3

mutt

General

- higly configurable mail cleint
- http://www.mutt.org

Configuration

- can't use local mbox anymore
- need other settings to use IMAP

```
set imap_user = $my_user
set imap_pass = $my_pass
set imap_authenticators = "login"
set smtp_authenticators = "login"
set smtp_pass = $my_pass
set smtp_url = "smtp://$my_user@smtp.goneo.de:587"
set from = $my_user
set ssl_force_tls
set ssl_startssl
```