

Using mail on macOS

Don't use Klickibunti

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private

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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!**
 - ⇒ 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 mach' = '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