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HW 10 - Spam Report
April 4th, 2017

   In order to setup my mail account correctly I first copied the GET_MESSAGE_INDEX and procmailrc files sent to us by Constantine to my given account for this assignment. I then performed dos2unix command on both files before editing the procmailrc file. I changed the username in rule 2 to be my username, ece404d3. For rule 3 I changed username to be mypurdue account, patel344. I did not use the mail account user name in order to avoid an infinite loop. After editing the rules, I made the procmailrc file hidden by prepending a period beforehand to make it a .procmailrc file. After editing the files, I sent an email from my purdue account and my gmail account to test its functionality. The email sent from my purdue account to the ece404d3 account was forwarded to my purdue account as expected. When I sent an email from my gmail account, it sent an email to my ece404d3 account and was sent to the spam folder as I expected. At this point I had verified that the account was setup properly. Now, I simply needed to accumulate emails, and I did so by signing up for random newsletters and websites. Soon, I had a relatively decent amount of spam, and it showed up correctly in the spam folder, as well as showing up in the log file. Also I tested the sports string email to make sure that emails with string 'sports' in the subject was not being sent to the spam folder, and this also worked as expected. Below is the exact rules used in my .procmailrc file, as well as a page full worth of output from the log file.

Rules in .procmailrc file:

```
## Recipe_1:
##
:0 :
* ^From.*purdue\.edu
* ^Subject.*404
my404Folder

## Recipe_2:
##
## This recipe will only be invoked if the subject line
## constains the string 'sports' This email will go into
## your mailbox for the special account.  You need to
## replace the 'your_special_account_name' string with what
## applies to you
##
:0 :
* ^Subject.*sports
/var/mail/ece404d3
```

Recipe_3:
##
This is an emailing recipe. It will send to your regular
Purdue webmail account all messages that originate from
the purdue.edu domain and that have survived the previous
recipes.
##
##
IMPORTANT NOTE: The email address in the last line of the
recipe is your Purdue webmail address --- the address on
which you normally receive your email DO NOT put your
special account name in that line since that would create
an infinite loop.
##
:0 :
* ^From.*(purdue\.edu[ ]|purdue\.edu>)
!patel344@purdue.edu

Recipe_4:
##
This is one of the recipes in your instructor's spam
filter. If your drug related spam does not originate from
Purdue, this recipe will kick in.
##
IMPORTANT: Since spammers fake their headers, a spam
message actually coming from outside Purdue may still
look like it is coming from Purdue.
##
:0 B
* < 10000
*
(\<v.codin\>|\<viicodin\>|\<vi.?c0[^a-z]din\>|\<vi.?codin.?\>|v[^a-z]codin|\<..?a1ium\>|\<val.?iu.?
m\>|\<v@[^a-z]ium\>|\<vi0xx\>|va-[^a-z]ium\>|\<va1[ ]?[
]?ium\>|\<valliuum\>|\<pr.ozac\>|\<vall.um\>|\<amb.jen\>|\<ui.tram\>|\<pro.zac\>|\<val..um\>|\<v
al...um\>|\<pr...zac\>|>mbie.n|\<v a
l|\<va..um\>|\<v.alium\>|\<va.llum\>|\<va.ll.?um\>|\<va.lium\>|\<vali.um\>|\<przoac|\<levtira|\<zol
otf|lorazpeam|prozaac)
* (\<vi.gra\>|\<v1a[^a-z]gra\>|[^a-z]/iaa?gra\>|\<vii?aa?graa?|\<v[^a-z]agra\>|\<via[ ][ ]?gra\>|\<vi[
]+graa?|\<v..agra\>|\<v.agg?ra\>|\<v.agr..a|>i.agra|g r a|v i
a|\<vi..ra\>|\<v.iagra\>|\<v..agra\>|\<v..agra\>|\<viag.ra\>|\<vaigra|\<vair.a\>|\<vai..ra\>|\<vai.?gra
\>)

```
* (\<cialli.s\>|\<cia[^a-z]ii?s\>|\<cia[ ]?[ ]?1is\>|\<cia.?l.?is\>|\<cai[ ]+llis\>|\<xa.?naa?x\>|\<xan[
]?ax\>|\<x[^a-z]an@x\>|\<meds\>|\<[0-9]o-?%|codeinn?e|\<c..alis\>|\<xa.nax\>|\<c.all.s\>|\<xan..
.ax\>|a.nax\>|i.alis\>|a l [it] s|c [it] a l|c / a|l /
s|\<ci...lis\>|\<c.ialis\>|\<ci.alls\>|\<c..al.s\>|\<cial.is\>|\<cailis|\<caillis|\<xnaax|\<ca.ilis\>)
* (http://|\<www\>)
{
  LOG="Email Trashed by Recipe_4$EOL"

  :0 :
  /dev/null
}

## Recipe_5:
##
## This is another recipe from your instructor's spam filter
##
:0 HB
* charset="koi8-r"
{
  LOG="Email trashed because it is in Russian$EOL"

  :0 :
  /dev/null
}
## Recipe_6:
##
## The rest of the email to your special account will be
## deposited in the file spamFolder
##
:0 :
spamFolder
```

Below is a page worth of logfile output:

New message log:
1
From parth.patel.p@gmail.com Tue Apr 4 11:41:50 2017
 Subject: adlkfj
  Folder: spamFolder   3275

New message log:
2
procmail: Couldn't determine implicit lockfile from "/usr/sbin/sendmail"
From patel344@purdue.edu Tue Apr 4 11:44:17 2017
 Subject: aadsf
  Folder: /usr/sbin/sendmail -oi patel344@purdue.edu   6032

New message log:
3
From foxnewsletter_EA54B2D9AA09B022AAE4196D36BB42ED@response.foxnews.com Tue
Apr 4 11:47:00 2017
 Subject: Jenny Nordbak was a dominatrix for Hollywood A-listers
  Folder: spamFolder   15582

New message log:
4
From parth.patel.p@gmail.com Tue Apr 4 11:48:21 2017
 Subject: sports
  Folder: /var/mail/ece404d3   3258

New message log:
5
From delivery_20170404155431.58e3c1b766c379094b8b4ab9@bounce.investopedia.com Tue
Apr 4 11:54:53 2017
 Subject: Welcome to Investopedia
  Folder: spamFolder   39523

New message log:
6
From confirmation@clearrequest.com Tue Apr 4 11:55:59 2017
 Subject: (via Investopedia.com) Your Trading Systems Request - Next Steps
  Folder: spamFolder