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Hw #10
4/3/2018

In starting this assignment, the class was first given credentials to temporary ece404 accounts to use as spam filter/future assignments. I used the ece404a8@ecn.purdue.edu address to subscribe to multiple websites, newsletters, blogs, etc... to generate amount of spam files to be evaluated. Following the instructions provided to us, I first copied the GET_MESSAGE_INDEX and dot_procmailrc files that were included in the instructions to the root directory of ece404 temporary accounts. I then proceeded to change rule 2 to my username: ece404a8, and changed rule 3 to my personal mypurdue account, chi19, which was done to avoid an infinite loop. After modifying the rules in the doc_procmailrc file, renamed the file name to .procmailrc, where the '.' allows the file to become hidden. I then created a directory in the root directory called Mail, and moved the GET_MESSAGE_INDEX file into it. I also created a .forward file and placed it in the root directory. Afterwards I sent random messages from my gmail account and purdue account to the ece404a8 account, where they were filtered along with a various number of mail from the websites that I had subscribed to earlier. A logfile was then generated in the Mail directory and i used the "cat" command to check the contents of logfile, which were in fact the filtered mail files that I sent and received from other random sites. The emails were filtered and sorted as expected by the rules defined in .procmailrc. I have attached the contents of the .procmailrc file as well as a page full worth of output from the logfile.

Rules of .procmailrc file:

See Below

Log file of Mail directory:

See Below

```
SHELL=/bin/sh
PATH=/usr/local/lib/mh:$PATH
MAILDIR=$HOME/Mail
LOGFILE=$HOME/Mail/logfile
SENDMAIL=/usr/sbin/sendmail
#VERBOSE=1
VERBOSE=0
EOL="
"

LOG="$EOL$EOL$EOL"
LOG="New message log:$EOL"
LOG=`perl GET_MESSAGE_INDEX`
LOG="$EOL"
```

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

```
## Recipe_2:
##
## This recipe will only be invoked if the subject line
## contains 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/ece404a8
```

```
## 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>)
!chi19@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\>|\<vallium\>|\<pr.ozac\>|\<vall.um\>|\<amb.jen\>|\<ui.tram\>|\<pro.zac\>|\<val..um\>|\<v
al...um\>|\<pr...zac\>|>mbie.n|\<v a
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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
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* (\<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
```

```
GET_MESSAGE_INDEX logfile logfile? MESSAGE_index_file my404Folder spamFolder
bash-4.1$ cat logfile
```

New message log:

1

From croros@purdue.edu Wed Mar 28 15:37:10 2018

Subject: 404

Folder: my404Folder

6295

New message log:

2

From max.chi123@gmail.com Wed Mar 28 15:41:31 2018

Subject: Yo

Folder: spamFolder

3108

New message log:

3

procmail: Couldn't determine implicit lockfile from "/usr/sbin/sendmail"

From chi19@purdue.edu Wed Mar 28 15:44:17 2018

Subject: fdasf

Folder: /usr/sbin/sendmail -oi chi19@purdue.edu

6315

New message log:

4

From jcrew@email.jcrew.com Thu Mar 29 06:52:55 2018

Subject: New styles added: Up to 70% off sale is ON!

Folder: spamFolder

73168

New message log:

5

From jcrew@email.jcrew.com Thu Mar 29 07:39:25 2018

Subject: New styles added: Up to 70% off sale is ON!

Folder: spamFolder

74657

New message log:

6

From bounce-3768068-63743821@enews.pcmag.com Thu Mar 29 10:02:51 2018

Subject: Does a Sharing Economy Foster Better Behavior / VMware Adds Machine L

Folder: spamFolder

74660

New message log:

7

From Ah40Kd8/yTga+nfrGhStwpw==_1124200593245_9/KQUPLwEeWpLNSuUnM90g==@in.constantcontact.com Fri Mar 30 14:59:46 2018

Subject: Crop Circles--Don't Dismiss Them Just Yet PLUS Afterlife Revolution

Folder: spamFolder

88264

New message log:

8

From jcrew@email.jcrew.com Sat Mar 31 06:49:32 2018

Subject: This dress = the best way to celebrate #nationalstripesday

Folder: spamFolder

66742

New message log:

9

From bounce-3770804-63743823@enews.pcmag.com Sat Mar 31 09:04:55 2018

Subject: Back It All Up; It's World Backup Day / Nothing's Sweeter Than the Ne

Folder: spamFolder

76293

New message log:

10

From jcrew@email.jcrew.com Sun Apr 1 06:54:52 2018

Subject: =?UTF-8?B?SG91cnMgbGVmdCB0byBnZXQgd2hhdB5b3Ugd2Fud0KApg==?=

Folder: spamFolder

73254

New message log:

11

From bounce-2336_HTML-387521477-1118037-1068146-19@bounce.official.nike.com Sun Apr 1 11:02:48 2018

Subject: The Best of Nike: Customise Top Styles with NIKEiD

Folder: spamFolder

90047

New message log:

12

From 3f9.c.1261978938.J4075394-21008733@hm.anpdm.com Mon Apr 2 09:08:46 2018

Subject: 24 hours only! Save up to 25% off.

Folder: spamFolder

43783