# **Linux Weekopdracht 3 Rutger Harmers**

### Opdracht 1

[a-zA-Z. -]{1,}[a-zA-Z0-9]@shaw((.com)|(.net))

Deze regular expression herkent alle mailadressen van het bedrijf shaw met tld .net en .com.

```
utgerh@ubuntu:~/Documents$ grep -E -o "[a-zA-Z._-]{1,}[a-zA-Z0-9]@shaw((.com)|(.net))" access_log.txt
```

## Opdracht 2

Syslog voor logging:

```
rutgerh@ubuntu:~$ syslog-ng -V
syslog-ng 3 (3.25.1)
Config version: 3.25
Installer-Version: 3.25.1
Revision: 3.25.1-3
Compile-Date: Mac
   Compile-Date: Mar 3 2020 19:39:43
Module-Directory: /usr/lib/syslog-ng/3.25
Module-Path: /usr/lib/syslog-ng/3.25
  Module-Path: /usr/lib/syslog-ng/3.25
Include-Path: /usr/share/syslog-ng/include
Available-Modules: confgen,tfgetent,system-source,afsql,graphite,stardate,cef,re
dis,timestamp,xml,disk-buffer,json-plugin,afuser,linux-kmsg-format,pacctformat,r
iemann,http,mod-python,syslogformat,kvformat,sdjournal,cryptofuncs,afstomp,appmo
del,dbparser,geoip2-plugin,basicfuncs,snmptrapd-parser,afmongodb,afprog,afsmtp,a
dd-contextual-data,tags-parser,pseudofile,hook-commands,csvparser,afsocket,affil
e,map-value-pairs,examples,afamqp
Enable-Gerof: off
Enable-Memtrace: off
  Enable-GPFOT: OIT
Enable-Memtrace: off
Enable-IPv6: on
Enable-Spoof-Source: on
Enable-TCP-Wrapper: on
Enable-Linux-Caps: on
Enable-Systemd: on
```

#### Munin voor monitoring:

```
utgerh@ubuntu:~$ sudo apt install munin
[sudo] password for rutgerh:
Sorry, try again.
[sudo] password for rutgerh:
Reading package lists... Done
Building dependency tree
Reading state information... Done
munin is already the newest version (2.0.56-1ubuntu1).
The following packages were automatically installed and are no longer required:
  libestr0 libfastjson4
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 99 not upgraded.
rutgerh@ubuntu:~$
```

## B.

```
rutgerh@ubuntu:-$ sudo systemctl status apache2

apache2.service - The Apache HTTP Server
Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preses
Active: active (running) since Fri 2022-01-14 02:33:44 PST; 1h 39min ago
Docs: https://httpd.apache.org/docs/2.4/
Main PID: 915 (apache2)
Tasks: 55 (limit: 4599)
Memory: 8.9M
CGroup: /system.slice/apache2
                                                            A.ym
/system.slice/apache2.service
|- 915 /usr/sbin/apache2 -k start
|-3310 /usr/sbin/apache2 -k start
|-3311 /usr/sbin/apache2 -k start
Jan 14 02:33:44 ubuntu systemd[1]: Starting The Apache HTTP Server...
Jan 14 02:33:44 ubuntu apachectl[884]: AH00558: apache2: Could not reliably deta
Jan 14 02:33:44 ubuntu systemd[1]: Started The Apache HTTP Server.
Jan 14 02:45:54 ubuntu systemd[1]: Reloading The Apache HTTP Server.
Jan 14 02:45:54 ubuntu apachectl[3309]: AH00558: apache2: Could not reliably dea
Jan 14 02:45:54 ubuntu systemd[1]: Reloaded The Apache HTTP Server.
```

#### C.

```
rutgerserver@server:~$ sudo apt-get install apache2
Reading package lists... Done
Building dependency tree
Reading state information... Done
apache2 is already the newest version (2.4.41–4ubuntu3.9).
O upgraded, O newly installed, O to remove and 38 not upgraded.
rutgerservér@server:~$ _
```

#### Apache2 is actief:

```
erserver®server: "$ sudo systemctl status apache2
ache2.service – The Apache HTIP Server
Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
Active: active (running) since Fri 2022-01-14 12:29:59 UTC; 6min ago
Docs: https://https.apache.org/docs/2.4/
Process: 1982B ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
aln PID: 19843 (apache2)
Tasks: 11 (limit: 4578)
Memory: 14.3M
CGroup: /system.slipe/
           12:29:59 server systemd[1]: Starting The Apache HTTP Server...
12:29:59 server apachect][19842]: AHOO558: apache2: Could not reliably determine the server
12:29:59 server systemd[1]: Started The Apache HTTP Server.
```

#### D.



```
Ubuntu X Ubuntu Server X
                                               /etc/munin/apache.conf
Alias /munin/var/cache/munin/www
(Directory /var/www/munin>
        Order allow,deny
Allow from localhost 127.0.0.0/8 ::1
Allow from all
        Options None
```

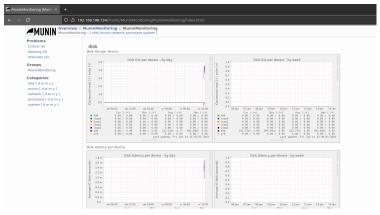
```
See /usr/share/doc/munin/README.Debian for details.
ScriptAlias /munin-cgi/munin-cgi-graph /usr/lib/munin/cgi/munin-cgi-graph
Alias /munin/static/ /var/cache/munin/www/static/
(Directory /var/cache/munin/www>
   Require all granted
   Options FollowSymLinks SymLinksIfOwnerMatch
</Directory>
/Directory>
 utgerserver@server:~$ service apache2 restart
authentication is required to restart 'apache2.service'.
Authentication is required to restart 'apache2.service'.
Authenticating as: Rutger (rutgerserver)
 assword:
```

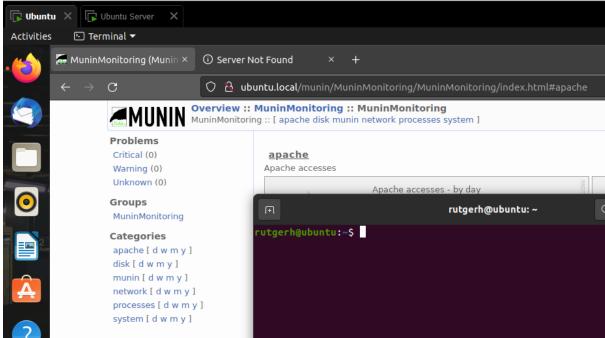
```
rutgerserver@server.~$ ip a

1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00
inet 127.0.0.1/8 scope host lo
valid_lft forever preferred_lft forever
inet6 ::1/128 scope host
valid_lft forever preferred_lft forever

2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
link/ether 00:0c:29:bo:0e:4b brd ff:ff:ff:ff:
inet 192.168.198.134/24 brd 192.168.198.255 scope global dynamic ens33
valid_lft 1634sec preferred_lft 1634sec
inet6 fe80::20c:29ff:feb0:e4b/64 scope link
valid_lft forever preferred_lft forever
```

## Na de apache2 server restart kan ik de server monitoren vanuit de monitor





## Extra beveiliging:

```
<Directory />
Options -Indexes
AllowOverride None
</Directory>
```