

## Group B: Assignment 4

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Div: B

```
zeal@zeal-pc: ~/my-static-site
zeal@zeal-pc:~$ node -v
v18.19.1
zeal@zeal-pc:~$ npm -v
9.2.0
zeal@zeal-pc:~$ cd my-static-site
zeal@zeal-pc:~/my-static-site$ node server.js
Server is running on http://localhost:3000
```

```
zeal@zeal-pc:~$ sudo apt update && sudo apt upgrade
[sudo] password for zeal:
Hit:1 http://archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Hit:3 https://ppa.launchpadcontent.net/danielrichter2007/grub-customizer/ubuntu noble InRelease
Get:4 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:5 http://us.archive.ubuntu.com/ubuntu xenial InRelease [247 kB]
Get:6 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [17.6 kB]
Get:7 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:8 http://security.ubuntu.com/ubuntu noble-security/multiverse i386 Packages [2,896 B]
Get:9 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [21.5 kB]
Get:10 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [3,792 B]
Get:11 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Get:12 http://archive.ubuntu.com/ubuntu noble-updates/multiverse i386 Packages [3,648 B]
Get:13 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [380 B]
Get:14 http://archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [4,788 B]
Err:5 http://us.archive.ubuntu.com/ubuntu xenial InRelease
  The following signatures couldn't be verified because the public key is not available: NO_PUBKEY 40976EAF437D05B5 NO_PUBKEY 3B4FE6ACC0B21F32
Get:15 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [931 kB]
Get:16 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:17 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [592 B]
Get:18 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [964 kB]
Get:19 http://security.ubuntu.com/ubuntu noble-security/restricted i386 Packages [15.6 kB]
Get:20 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [190 kB]
Get:21 http://archive.ubuntu.com/ubuntu noble-updates/restricted i386 Packages [15.8 kB]
Get:22 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:23 http://archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [198 kB]
Get:24 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 c-n-f Metadata [468 B]
Get:25 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:26 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [781 kB]
```

```
Apr 23 14:30
zeal@zeal-pc: ~
N: See apt-secure(8) manpage for repository creation and user configuration details.
zeal@zeal-pc:~$ sudo apt install snort -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libdaq2t64 libdumbnet1 liblua5.1-2 liblua5.1-common
  libnetfilter-queue1 libpcr3 oinkmaster snort-common snort-common-libraries
  snort-rules-default
Suggested packages:
  snort-doc
The following NEW packages will be installed:
  libdaq2t64 libdumbnet1 liblua5.1-2 liblua5.1-common
  libnetfilter-queue1 libpcr3 oinkmaster snort snort-common
  snort-common-libraries snort-rules-default
0 upgraded, 11 newly installed, 0 to remove and 364 not upgraded.
Need to get 2,666 kB of archives.
After this operation, 11.4 MB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu noble/universe amd64 liblua5.1-2 amd64 2.1.0+git20231223.c525bcb+dfsg-1 [49.2 kB]
Get:2 http://archive.ubuntu.com/ubuntu noble/universe amd64 liblua5.1-common amd64 2.1.0+git20231223.c525bcb+dfsg-1 [275 kB]
Get:3 http://archive.ubuntu.com/ubuntu noble/universe amd64 libpcr3 amd64 2:8.39-15build1 [248 kB]
Get:4 http://archive.ubuntu.com/ubuntu noble/universe amd64 snort-common-libraries amd64 2.9.20-0+deb11u1ubuntu1 [899 kB]
Get:5 http://archive.ubuntu.com/ubuntu noble/universe amd64 snort-rules-default all 2.9.20-0+deb11u1ubuntu1 [144 kB]
Get:6 http://archive.ubuntu.com/ubuntu noble/universe amd64 snort-common all 2.9.20-0+deb11u1ubuntu1 [47.7 kB]
Get:7 http://archive.ubuntu.com/ubuntu noble/universe amd64 libdumbnet1 amd64 1.17.0-1ubuntu2 [30.7 kB]
Get:8 http://archive.ubuntu.com/ubuntu noble/universe amd64 libnetfilter-queue1 amd64 1.0.5-4build1 [15.1 kB]
Get:9 http://archive.ubuntu.com/ubuntu noble/universe amd64 libdaq2t64 amd64 2.0.7-5.1build3 [92.9 kB]
Get:10 http://archive.ubuntu.com/ubuntu noble/universe amd64 snort amd64 2.9.20-0+deb11u1ubuntu1 [791 kB]
Get:11 http://archive.ubuntu.com/ubuntu noble/universe amd64 oinkmaster all 2.0-4.2 [71.9 kB]
Fetched 2,666 kB in 3s (1,012 kB/s)
Preconfiguring packages ...
```

```
Apr 23 14:30
zeal@zeal-pc: ~
Selecting previously unselected package liblua5.1-common.
(Reading database ... 225688 files and directories currently installed.)
Preparing to unpack .../00-liblua5.1-common_2.1.0+git20231223.c525bcb+dfsg-1
_all.deb ...
Unpacking liblua5.1-common (2.1.0+git20231223.c525bcb+dfsg-1) ...
Selecting previously unselected package liblua5.1-2:amd64.
Preparing to unpack .../01-liblua5.1-2_2.1.0+git20231223.c525bcb+dfsg-1_amd6
4.deb ...
Unpacking liblua5.1-2:amd64 (2.1.0+git20231223.c525bcb+dfsg-1) ...
Selecting previously unselected package libpcr3:amd64.
Preparing to unpack .../02-libpcr3_2%3a8.39-15build1_amd64.deb ...
Unpacking libpcr3:amd64 (2:8.39-15build1) ...
Selecting previously unselected package snort-common-libraries.
Preparing to unpack .../03-snort-common-libraries_2.9.20-0+deb11u1ubuntu1_amd64.
deb ...
Unpacking snort-common-libraries (2.9.20-0+deb11u1ubuntu1) ...
Selecting previously unselected package snort-rules-default.
Preparing to unpack .../04-snort-rules-default_2.9.20-0+deb11u1ubuntu1_all.deb .
...
Unpacking snort-rules-default (2.9.20-0+deb11u1ubuntu1) ...
Selecting previously unselected package snort-common.
Preparing to unpack .../05-snort-common_2.9.20-0+deb11u1ubuntu1_all.deb ...
Unpacking snort-common (2.9.20-0+deb11u1ubuntu1) ...
Selecting previously unselected package libdumbnet1:amd64.
Preparing to unpack .../06-libdumbnet1_1.17.0-1ubuntu2_amd64.deb ...
Unpacking libdumbnet1:amd64 (1.17.0-1ubuntu2) ...
Selecting previously unselected package libnetfilter-queue1:amd64.
Preparing to unpack .../07-libnetfilter-queue1_1.0.5-4build1_amd64.deb ...
Unpacking libnetfilter-queue1:amd64 (1.0.5-4build1) ...
Selecting previously unselected package libdaq2t64.
Preparing to unpack .../08-libdaq2t64_2.0.7-5.1build3_amd64.deb ...
```

```
Apr 23 14:30
zeal@zeal-pc: ~
zeal@zeal-pc:~$ ^[[200-ifconfig
ifconfig: command not found
zeal@zeal-pc:~$ ifconfig
enp3s0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 172.16.77.59 netmask 255.255.248.0 broadcast 172.16.79.255
    inet6 fe80::59ee:c5ff:fa6:7b82 prefixlen 64 scopeid 0x20<link>
    ether f4:6b:8c:86:48:91 txqueuelen 1000 (Ethernet)
    RX packets 32646 bytes 35463780 (35.4 MB)
    RX errors 0 dropped 4 overruns 0 frame 0
    TX packets 12078 bytes 2027920 (2.0 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 10643 bytes 623414 (623.4 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 10643 bytes 623414 (623.4 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

zeal@zeal-pc:~$ sudo snort -i eth0 -A console -c /etc/snort/snort.conf -K none
Running in IDS mode

--- Initializing Snort ---
Initializing Output Plugins!
Initializing Preprocessors!
Initializing Plug-ins!
Parsing Rules file "/etc/snort/snort.conf"
PortVar 'HTTP_PORTS' defined : [ 80:81 311 383 591 593 901 1220 1414 1741 1830 2301 2381 2809 3037 3128 3702 4343 4848 5250 698
8 7000:7001 7144:7145 7510 7777 7779 8000 8008 8014 8028 8080 8085 8088 8090 8118 8123 8180:8181 8243 8280 8300 8800 8888 8899 9
```

```
Apr 23 14:30
zeal@zeal-pc: ~
PortVar 'GTP_PORTS' defined : [ 2123 2152 3386 ]
Detection:
  Search-Method = AC-Full-Q
  Split Any/Any group = enabled
  Search-Method-Optimizations = enabled
  Maximum pattern length = 20
Tagged Packet Limit: 256
Loading dynamic engine /usr/lib/snort/snort_dynamicengine/libsf_engine.so... done
Loading all dynamic detection libs from /usr/lib/snort/snort_dynamicrules...
WARNING: No dynamic libraries found in directory /usr/lib/snort/snort_dynamicrules.
  Finished Loading all dynamic detection libs from /usr/lib/snort/snort_dynamicrules
Loading all dynamic preprocessor libs from /usr/lib/snort/snort_dynamicpreprocessor/...
  Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor/libsf_ssl_preproc.so... done
  Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor/libsf_s7complus_preproc.so... done
  Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor/libsf_pop_preproc.so... done
  Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor/libsf_gtp_preproc.so... done
  Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor/libsf_dnp3_preproc.so... done
  Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor/libsf_reputation_preproc.so... done
  Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor/libsf_ftptelnet_preproc.so... done
  Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor/libsf_smtp_preproc.so... done
  Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor/libsf_ssh_preproc.so... done
  Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor/libsf_dce2_preproc.so... done
  Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor/libsf_imap_preproc.so... done
  Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor/libsf_appid_preproc.so... done
  Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor/libsf_modbus_preproc.so... done
  Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor/libsf_sip_preproc.so... done
  Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor/libsf_sdf_preproc.so... done
  Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor/libsf_dns_preproc.so... done
  Finished Loading all dynamic preprocessor libs from /usr/lib/snort/snort_dynamicpreprocessor/
Log directory = /var/log/snort
WARNING: ip4 normalizations disabled because not inline.
```



```
Apr 23 14:31
zeal@zeal-pc: ~

Overlap Limit: 10
Min fragment Length: 100
Max Expected Streams: 768
Stream global config:
Track TCP sessions: ACTIVE
Max TCP sessions: 262144
TCP cache pruning timeout: 30 seconds
TCP cache nominal timeout: 3600 seconds
Memcap (for reassembly packet storage): 8388608
Track UDP sessions: ACTIVE
Max UDP sessions: 131072
UDP cache pruning timeout: 30 seconds
UDP cache nominal timeout: 180 seconds
Track ICMP sessions: INACTIVE
Track IP sessions: INACTIVE
Log info if session memory consumption exceeds 1048576
Send up to 2 active responses
Wait at least 5 seconds between responses
Protocol Aware Flushing: ACTIVE
Maximum Flush Point: 16000
Stream TCP Policy config:
Bound Address: default
Reassembly Policy: WINDOWS
Timeout: 180 seconds
Limit on TCP Overlaps: 10
Maximum number of bytes to queue per session: 1048576
Maximum number of segs to queue per session: 2621
Options:
Require 3-Way Handshake: YES
3-Way Handshake Timeout: 180
Detect Anomalies: YES
```

```
Apr 23 14:31
zeal@zeal-pc: ~

Memcap used for logging URI and Hostname: 150994944
Max Gzip Memory: 104857600
Max Gzip Sessions: 201649
Gzip Compress Depth: 65535
Gzip Decompress Depth: 65535
Normalize Random Nulls in Text: NO
DEFAULT SERVER CONFIG:
Server profile: All
Ports (PAF): 80 81 311 383 591 593 901 1220 1414 1741 1830 2301 2381 2809 3037 3128 3702 4343 4848 5250 6988 7000 7001 714
4 7145 7510 7777 7779 8000 8008 8014 8028 8080 8085 8088 8090 8118 8123 8180 8181 8243 8280 8300 8800 8888 8899 9000 9060 9080 9
090 9091 9443 9999 11371 34443 34444 41080 50002 55555
Server Flow Depth: 0
Client Flow Depth: 0
Max Chunk Length: 500000
Small Chunk Length Evasion: chunk size <= 10, threshold >= 5 times
Max Header Field Length: 750
Max Number Header Fields: 100
Max Number of WhiteSpaces allowed with header folding: 200
Inspect Pipeline Requests: YES
URI Discovery Strict Mode: NO
Allow Proxy Usage: NO
Disable Alerting: NO
Oversize Dir Length: 500
Only inspect URI: NO
Normalize HTTP Headers: NO
Inspect HTTP Cookies: YES
Inspect HTTP Responses: YES
Extract Gzip from responses: YES
Decompress response files:
Unlimited decompression of gzip data from responses: YES
Normalize Javascripts in HTTP Responses: YES
```

```
Apr 23 14:31
Screenshot Just now
Screenshot captured
You can paste the image from the clipboard.

SMB: None
TCP: 1025-65535
UDP: 1025-65535
RPC over HTTP server: 1025-65535
RPC over HTTP proxy: None
Invalid SMB shares: C$ D$ ADMIN$
Maximum SMB command chaining: 3 commands
SMB file inspection: Disabled
DNS config:
DNS Client rdata txt Overflow Alert: ACTIVE
Obsolete DNS RR Types Alert: INACTIVE
Experimental DNS RR Types Alert: INACTIVE
Ports: 53
SSLPP config:
Encrypted packets: not inspected
Ports:
443 465 563 636 989
992 993 994 995 7801
7802 7900 7901 7902 7903
7904 7905 7906 7907 7908
7909 7910 7911 7912 7913
7914 7915 7916 7917 7918
7919 7920
Server side data is trusted
Maximum SSL Heartbeat length: 0
Sensitive Data preprocessor config:
Global Alert Threshold: 25
Masked Output: DISABLED
SIP config:
Max number of sessions: 40000
Max number of dialogs in a session: 4 (Default)
```

```
Apr 23 14:31
zeal@zeal-pc: ~

Non-Encoded MIME attachment Extraction: Enabled
Non-Encoded MIME attachment Extraction Depth: Unlimited
POP Config:
Ports: 110
POP Memcap: 838860
MIME Max Mem: 838860
Base64 Decoding: Enabled
Base64 Decoding Depth: Unlimited
Quoted-Printable Decoding: Enabled
Quoted-Printable Decoding Depth: Unlimited
Unix-to-Unix Decoding: Enabled
Unix-to-Unix Decoding Depth: Unlimited
Non-Encoded MIME attachment Extraction: Enabled
Non-Encoded MIME attachment Extraction Depth: Unlimited
Modbus config:
Ports:
502
DNP3 config:
Memcap: 262144
Check Link-Layer CRCs: ENABLED
Ports:
20000

+++++
Initializing rule chains...
WARNING: /etc/snort/rules/chat.rules(33) threshold (in rule) is deprecated; use detection_filter instead.
WARNING: /etc/snort/rules/community-sql-injection.rules(6) GID 1 SID 100000106 in rule duplicates previous rule. Ignoring old rule.
WARNING: /etc/snort/rules/community-sql-injection.rules(7) GID 1 SID 100000107 in rule duplicates previous rule. Ignoring old rule.
```

```
Apr 23 14:32
zeal@zeal-pc: ~
3383 Option Chains linked into 932 Chain Headers
+++++
+-----[Rule Port Counts]-----+
|      tcp      udp      icmp      ip      |
|  src    151    18      0      0      |
|  dst   3306   126      0      0      |
|  any    383    48     52     22      |
|  nc     27     8     15     20      |
|  s+d    12     5      0      0      |
+-----+
+-----[detection-filter-config]-----+
| memory-cap : 1048576 bytes              |
+-----[detection-filter-rules]-----+
| none                                    |
+-----+
+-----[rate-filter-config]-----+
| memory-cap : 1048576 bytes              |
+-----[rate-filter-rules]-----+
| none                                    |
+-----+
+-----[event-filter-config]-----+
| memory-cap : 1048576 bytes              |
+-----[event-filter-global]-----+
| none                                    |
+-----+
+-----[event-filter-local]-----+
| gen-id=1   sig-id=2924   type=Threshold tracking=dst count=10 seconds=60 |
| gen-id=1   sig-id=2523   type=Both      tracking=dst count=10 seconds=10 |
+-----+
```

```
Apr 23 14:32
zeal@zeal-pc: ~
WARNING: flowbits key 'ms_sql_seen_dns'
WARNING: flowbits key 'smb.tree.create.1
33 out of 1024 flowbits in use.

[ Port Based Pattern Matching Memory ]
+- [ Aho-Corasick Summary ] -----+
| Storage Format      : Full-Q          |
| Finite Automaton    : DFA             |
| Alphabet Size       : 256 Chars       |
| Sizeof State        : Variable (1,2,4 bytes) |
| Instances           : 215             |
|   1 byte states : 204                |
|   2 byte states : 11                 |
|   4 byte states : 0                  |
| Characters         : 64755            |
| States              : 31951           |
| Transitions         : 863868          |
| State Density       : 10.6%           |
| Patterns            : 5041            |
| Match States        : 3836            |
| Memory (MB)         : 16.90           |
|   Patterns          : 0.51            |
|   Match Lists       : 1.01            |
|   DFA               :                 |
|   1 byte states : 1.02                |
|   2 byte states : 13.96               |
|   4 byte states : 0.00                |
+-----+
[ Number of patterns truncated to 20 bytes: 1038 ]
pcap DAQ configured to passive.
Acquiring network traffic from "eth0".
```

```
Apr 23 14:32
Search-Method = AC-Full-Q
Split Any/Any group = enabled
Search-Method-Optimizations = enabled
Maximum pattern length = 20
Tagged Packet Limit: 256
Loading dynamic engine /usr/lib/snort/snort_dynamicengine/libs_f_engine.so... done
Loading all dynamic detection libs from /usr/lib/snort/snort_dynamicrules...
WARNING: No dynamic libraries found in directory /usr/lib/snort/snort_dynamicrules.
Finished Loading all dynamic detection libs from /usr/lib/snort/snort_dynamicrules.
Loading all dynamic preprocessor libs from /usr/lib/snort/snort_dynamicpreprocessor/...
Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor//libs_f_ssl_preproc.so... done
Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor//libs_f_s7complus_preproc.so... done
Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor//libs_f_pop_preproc.so... done
Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor//libs_f_gtp_preproc.so... done
Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor//libs_f_dnp3_preproc.so... done
Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor//libs_f_reputation_preproc.so... done
Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor//libs_f_ftptelnet_preproc.so... done
Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor//libs_f_smtp_preproc.so... done
Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor//libs_f_ssh_preproc.so... done
Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor//libs_f_dce2_preproc.so... done
Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor//libs_f_imap_preproc.so... done
Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor//libs_f_apid_preproc.so... done
Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor//libs_f_modbus_preproc.so... done
Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor//libs_f_sip_preproc.so... done
Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor//libs_f_sdf_preproc.so... done
Loading dynamic preprocessor library /usr/lib/snort/snort_dynamicpreprocessor//libs_f_dns_preproc.so... done
Finished Loading all dynamic preprocessor libs from /usr/lib/snort/snort_dynamicpreprocessor/
Log directory = /var/log/snort
WARNING: ip4 normalizations disabled because not inline.
WARNING: tcp normalizations disabled because not inline.
WARNING: icmp4 normalizations disabled because not inline.
```

```
Apr 23 14:32
zeal@zeal-pc: ~

4058 Snort rules read
3384 detection rules
0 decoder rules
0 preprocessor rules
3384 Option Chains Linked into 932 Chain Headers
+++++
+-----[Rule Port Counts]-----+
| src      tcp      udp      icmp      ip      |
| 151      18       0       0       0      |
| dst      3306     126     0       0      |
| any      383     48      53      22     |
| nc       27      8       16      20     |
| s+d      12      5       0       0      |
+-----+
+-----[detection-filter-config]-----+
| memory-cap : 1048576 bytes          |
+-----[detection-filter-rules]-----+
| none                                |
+-----+
+-----[rate-filter-config]-----+
| memory-cap : 1048576 bytes          |
+-----[rate-filter-rules]-----+
| none                                |
+-----+
+-----[event-filter-config]-----+
| memory-cap : 1048576 bytes          |
+-----+
```

```
Apr 23 14:32
Reload thread starting...
Reload thread started, thread 0x72981700
ERROR: Can't start DAQ (-1) - No such device
Fatal Error, Quitting..
zeal@zeal-pc: ~$ ipconfig
Command 'ipconfig' not found, did you mean:
  command 'iwconfig' from deb wireless-tools (30-pre9-13.1ubuntu4)
  command 'ifconfig' from deb ipmiutil (3.1.9-3)
  command 'hipconfig' from deb hipcc (5.2.3-12)
  command 'ifconfig' from deb net-tools (2.10-0.1ubuntu3)
Try: sudo apt install <deb name>
zeal@zeal-pc: ~$ ifconfig
enp3s0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
    inet 172.16.77.59  netmask 255.255.248.0  broadcast 172.16.79.255
    inet6 fe80::59ee:c5ff:fa6:7b82  prefixlen 64  scopeid 0x20<link>
    ether f4:6b:8c:86:48:91  txqueuelen 1000  (Ethernet)
    RX packets 55554  bytes 47778652 (47.7 MB)
    RX errors 0  dropped 4  overruns 0  frame 0
    TX packets 14811  bytes 2367028 (2.3 MB)
    TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
    inet 127.0.0.1  netmask 255.0.0.0
    inet6 ::1  prefixlen 128  scopeid 0x10<host>
    loop txqueuelen 1000  (Local Loopback)
    RX packets 95497  bytes 4874575 (4.8 MB)
    RX errors 0  dropped 0  overruns 0  frame 0
    TX packets 95497  bytes 4874575 (4.8 MB)
    TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

zeal@zeal-pc: ~$
```

