stdout, stderr = server2.execute(f'sudo apt-get install -y build-essential git libjansson-dev libpcap-dev libpcre2-dev libtool libyaml-dev make pkg-config zlib1g-dev')  
stdout, stderr = server2.execute(f'sudo apt-get install -y cbindgen')  
stdout, stderr = server2.execute(f'sudo apt-get install -y autoconf automake build-essential ccache clang curl git gosu jq libbpf-dev libcap-ng0 libcap-ng-dev libelf-dev libevent-dev libgeoip-dev libhiredis-dev libjansson-dev liblua5.1-dev libmagic-dev libnet1-dev libpcap-dev libpcre2-dev libtool libyaml-0-2 libyaml-dev m4 make pkg-config python3 python3-dev python3-yaml sudo zlib1g zlib1g-dev')  
stdout, stderr = server2.execute(f'sudo apt install -y cargo')  
stdout, stderr = server2.execute(f'sudo cargo install --force --debug --version 0.24.3 cbindgen')  
stdout, stderr = server2.execute(f'sudo apt-get install -y libnetfilter-queue-dev libnetfilter-queue1 libnetfilter-log-dev libnetfilter-log1 libnfnetlink-dev libnfnetlink0')  
stdout, stderr = server2.execute(f'sudo git clone <https://github.com/OISF/suricata>')  
stdout, stderr = server2.execute(f'cd suricata/ && sudo ./scripts/bundle.sh && sudo ./autogen.sh && sudo ./configure --enable-dpdk --enable-nfqueue && sudo make -j && sudo make install && sudo make install-conf && sudo ldconfig')

SLICE HH ------------- SETUP UBUNTU 22 WITH SURICTA + SURICATA-DPDK

------------------------ S2 (1)---------------------------------

1 ifconfig

2 ifconfig -a

3 ifconfig

4 ping 192.168.20.1

5 ping 192.168.10.1

6 sudo ibdev2netdev

7 ls

8 cd MLNX\_OFED\_LINUX-23.07-0.5.0.0-ubuntu20.04-x86\_64

9 echo "y" | sudo ./mlnxofedinstall --upstream-libs --dpdk --basic --without-fw-update --enable-sriov --hypervisor

10 sudo rm MLNX\_OFED\_LINUX-23.07-0.5.0.0-ubuntu20.04-x86\_64.tgz

11 sudo rm -r MLNX\_OFED\_LINUX-23.07-0.5.0.0-ubuntu20.04-x86\_64

12 ls

13 tar xvfz MLNX\_OFED\_LINUX-23.07-0.5.0.0-ubuntu20.04-x86\_64.tgz

14 ls

15 tar xvfz MLNX\_OFED\_LINUX-24.10-1.1.4.0-ubuntu22.04-x86\_64.tgz

16 cd MLNX\_OFED\_LINUX-24.10-1.1.4.0-ubuntu22.04-x86\_64/

17 echo "y" | sudo ./mlnxofedinstall --upstream-libs --dpdk --basic --without-fw-update --enable-sriov --hypervisor

18 ./mlnxofedinstall --help

19 echo "y" | sudo ./mlnxofedinstall --dpdk --basic --without-fw-update --enable-sriov --hypervisor

20 cd ..

21 sudo ibdev2netdev

22 sudo mst status

23 sudo mst start

24 echo "y" | sudo ./mlnxofedinstall --force --dpdk --basic --without-fw-update --enable-sriov --hypervisor

25 cd MLNX\_OFED\_LINUX-24.10-1.1.4.0-ubuntu22.04-x86\_64/

26 echo "y" | sudo ./mlnxofedinstall --force --dpdk --basic --without-fw-update --enable-sriov --hypervisor

27 cd ..

28 sudo ibdev2netdev

29 sudo mst start

30 sudo mst status

31 sudo ibdev2netdev

32 sudo ibdev2netdev -V

33 sudo ibdev2netdev -v

34 sudo ibdev2netdev -h

35 sudo /etc/init.d/openibd restart

36 ifconfig

37 ifconfig -a

38 ls

39 mkdir main

40 cd main/

41 ls

42 cd ..

43 cd main/

44 ls

45 cd ..

46 cd dpdk/

47 sudo examples/pipeline/build/pipeline -c 0x1F -- -s /home/ubuntu/main/main.cli

48 ls

49 cat VERSION

50 cat ABI\_VERSION

51 cd ..

52 cd Pktgen-DPDK/

53 ls

54 cat VERSION

55 ls

56 cd examples/

57 ls

58 cd pktperf/

59 ls

60 vim README.md

61 cd ..

62 vim Pktgen.lua

63 cd

64 sudo rm -r dpdk/

65 sudo rm -r Pktgen-DPDK

66 ls

67 git clone --branch v24.07-rc4 https://github.com/DPDK/dpdk.git

68 cd dpdk/

69 sudo meson build

70 cd build

71 sudo ninja

72 sudo ninja install

73 sudo ldconfig

74 sudo git clone --branch pktgen-24.07.1 https://github.com/pktgen/Pktgen-DPDK

75 cd

76 ls

77 ls -a

78 sudo git clone --branch pktgen-24.07.1 https://github.com/pktgen/Pktgen-DPDK

79 ls

80 cd dpdk/

81 cd build

82 ls

83 sudo rm -r Pktgen-DPDK/

84 cd

85 ls

86 sudo vim Pktgen-DPDK/app/meson.build

87 sudo apt-get install -y cmake libpcap-dev libbsd-dev

88 cd Pktgen-DPDK/

89 sudo meson build

90 sudo ninja -C build

91 cd build/

92 sudo meson install

93 cd

94 cd dpdk/

95 sudo examples/pipeline/build/pipeline -c 0x1F -- -s /home/ubuntu/main/main.cli

96 cd

97 ls

98 cd dpdk/

99 ls3

100 ls

101 cd examples/

102 ls

103 cd pipeline/

104 cd

105 cd dpdk/

106 cat VERSION

107 sudo examples/pipeline/build/pipeline -c 0x1F -- -s /home/ubuntu/main/main.cli

108 cd

109 ls

110 rm -r dpdk/

111 sudo rm -r dpdk/

112 git clone --branch v24.07-rc4 https://github.com/DPDK/dpdk.git

113 cd dpdk/

114 sudo meson build

115 cd build

116 sudo ninja

117 sudo ninja install

118 sudo ldconfig

119 cd ..

120 sudo examples/pipeline/build/pipeline -c 0x1F -- -s /home/ubuntu/main/main.cli

121 ls

122 cd examples/pipeline/

123 ls

124 sudo make

125 cd build/

126 cd

127 cd dpdk/

128 sudo examples/pipeline/build/pipeline -c 0x1F -- -s /home/ubuntu/main/main.cli

129 htop

130 sudo apt update && sudo apt upgrade

131 sudo apt install suricata

132 sudo non /etc/suricata/suricata.yaml

133 sudo vim /etc/suricata/suricata.yaml

134 suod suricata -vvvv -c /etc/suricata/suricata.yaml -i enp8s0np1

135 sudo suricata -vvvv -c /etc/suricata/suricata.yaml -i enp8s0np1

136 sudo vim /etc/suricata/suricata.yaml

137 sudo suricata -vvvv -c /etc/suricata/suricata.yaml -i enp8s0np1

138 sudo cd /var/lib/suricata/

139 ls

140 cd /var/

141 cd lib/suricata/

142 ls

143 cd rules/

144 ls

145 cd

146 sudo find / -name suricata.rules

147 sudo find / -name suricata.yaml

148 sudo suricata-update

149 sudo find / -name suricata.rules

150 ifconfig

151 sudo vim /etc/suricata/suricata.yaml

152 sudo suricata -vvvv -c /etc/suricata/suricata.yaml -i enp8s0np1

153 ls

154 sudo find / -name configure

155 sudo find / -name suricata

156 sudo vim /etc/suricata/suricata.yaml

157 cd etc/suricat

158 cd /etc/

159 ls

160 cd suricata/

161 ls

162 cd rules/

163 ls

164 cd dpdk/

165 sudo examples/pipeline/build/pipeline -c 0x1F -- -s /home/ubuntu/main/main.cli

166 ifconfig

167 sudo tcpdump -i enp8s0np1

168 sudo ./srcip.sh

169 vim src\_ips.csv

170 cat srcip.sh

171 ifconfig

172 sudo ./srcip.sh

173 vim src\_ips\_counts.csv

174 sudo tcpdump -i enp8s0np1

175 vim srcip.sh

176 sudo ./srcip.sh

177 vim src\_ips.csv

178 sudo tcpdump -i enp8s0np1 -w cdf.pcap

179 ls

180 cat src\_ips\_counts.csv

181 sudo rum src\_ips\_counts.csv

182 ls

183 sudo rm src\_ips\_counts.csv

184 ls

185 ls -a

186 ls -l

187 sudo rm cdf.pcap

188 ls -l

189 car srcip.sh

190 cat srcip.sh

191 sudo ./srcip.sh

192 cat srcip.sh

193 sudo ./srcip.sh

194 cat src\_ips.csv

195 vim src\_ips.csv

196 ls -l

197 sudo rm src\_ips.csv

198 sudo ./srcip.sh

199 ls -l

200 cd /var/lib/suricata/rules/

201 ls

202 pwd

203 ls

204 cd

205 vim /etc/suricata/suricata.yaml

206 sudo vim /etc/suricata/suricata.yaml

207 sudo suricata -vvvv -c /etc/suricata/suricata.yaml -i enp8s0np1

208 htop

209 cd /var/log/suricata/

210 ls

211 cat fast.log

212 cat fast.log | tail -n 10

213 cat fast.log | tail -n 50

214 ls

215 sudo apt-get purge suricata

216 sudo apt-get install -y build-essential git libjansson-dev libpcap-dev libpcre2-dev libtool libyaml-dev make pkg-config zlib1g-dev

217 sudo apt-get install -y cbindgen

218 sudo apt-get install -y autoconf automake build-essential ccache clang curl git gosu jq libbpf-dev libcap-ng0 libcap-ng-dev libelf-dev libevent-dev libgeoip-dev libhiredis-dev libjansson-dev liblua5.1-dev libmagic-dev libnet1-dev libpcap-dev libpcre2-dev libtool libyaml-0-2 libyaml-dev m4 make pkg-config python3 python3-dev python3-yaml sudo zlib1g zlib1g-dev

219 sudo apt install -y cargo

220 sudo cargo install --force --debug --version 0.24.3 cbindgen

221 sudo apt-get install -y libnetfilter-queue-dev libnetfilter-queue1 libnetfilter-log-dev libnetfilter-log1 libnfnetlink-dev libnfnetlink0

222 sudo git clone https://github.com/OISF/suricata

~~223 rm -rf suricata/~~

224 sudo git clone https://github.com/OISF/suricata

225 cd suricata/ && sudo ./scripts/bundle.sh

226 sudo ./autogen.sh

227 htop

228 sudo make -j 30

229 sudo apt-get install rust-bindings-dev

230 apt install libclang-dev

231 sudo apt install libclang-dev

232 sudo make -j 30

233 cargo install --root /usr cbindgen

234 sudo cargo install --root /usr cbindgen

235 sudo cargo install --force --root /usr cbindgen

236 sudo ./scripts/bundle.sh && sudo ./autogen.sh && sudo ./configure --enable-dpdk --enable-nfqueue

237 sudo make -j 30

238 sudo make install

239 sudo make install-conf

240 sudo ldconfig

241 suricata -h

242 suricata --dpdk

243 sudo suricata --dpdk

244 sudo su

245 sudo su

246 history

ubuntu@server2:~$

RUN SURICATA ---------------S2 root (1)---------------------

root@server2:/home/ubuntu# history

1 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

2 pkill -f -9 suricata

3 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

4 pkill -f -9 suricata

5 vi /usr/local/etc/suricata/suricata.yaml

6 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

7 vi /usr/local/etc/suricata/suricata.yaml

8 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

9 vi /usr/local/etc/suricata/suricata.yaml

10 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

11 vi /usr/local/etc/suricata/suricata.yaml

12 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

13 vi /usr/local/etc/suricata/suricata.yaml

14 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

15 vi /usr/local/etc/suricata/suricata.yaml

16 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

17 pkill -f -9 suricata

18 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

19 pkill -f -9 suricata

20 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

21 pkill -f -9 suricata

22 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

23 pkill -f -9 suricata

24 ps -aux

25 exit

26 htop

27 exit

28 lspci

29 vi /usr/local/etc/suricata/suricata.yaml

30 suricata --dpdk

31 suricata --dpdk -c /usr/local/etc/suricata/suricata.yaml

32 vi /usr/local/etc/suricata/suricata.yaml

33 suricata --dpdk -c /usr/local/etc/suricata/suricata.yaml

34 vi /usr/local/etc/suricata/suricata.yaml

35 suricata --dpdk -c /usr/local/etc/suricata/suricata.yaml

36 vi /usr/local/etc/suricata/suricata.yaml

37 suricata --dpdk -c /usr/local/etc/suricata/suricata.yaml

38 vi /usr/local/etc/suricata/suricata.yaml

39 suricata --dpdk -c /usr/local/etc/suricata/suricata.yaml

40 lspci

41 suricata --dpdk -c /usr/local/etc/suricata/suricata.yaml

42 vi /usr/local/etc/suricata/suricata.yaml

43 suricata --dpdk -c /usr/local/etc/suricata/suricata.yaml

44 vi /usr/local/etc/suricata/suricata.yaml

45 suricata --dpdk -c /usr/local/etc/suricata/suricata.yaml

46 pkill -f -9 suricata

47 vi /usr/local/var/lib/suricata/rules/suricata.rules

48 suricata-update

49 vi /usr/local/etc/suricata/suricata.yaml

50 suricata --dpdk -c /usr/local/etc/suricata/suricata.yaml

51 pkill -f -9 suricata

52 suricata --dpdk -vvvv -c /usr/local/etc/suricata/suricata.yaml

53 vi /usr/local/etc/suricata/suricata.yaml

54 tmux

55\* s

56 ps -aux | grep suricata

57 kill -9 404272

58 ps -aux | grep suricata

59 reboot

60 cp /var/lib/suricata/rules/\* /usr/local/var/lib/suricata/rules/

61 cat /var/log/suricata/fast.log | tail -n 10

62 cat /usr/local/var/log/suricata/fast.log | tail

63 echo "" > /usr/local/var/log/suricata/fast.log

64 echo "" > /usr/local/var/log/suricata/stats.log

65 cat /usr/local/var/log/suricata/fast.log

66 cat /usr/local/var/log/suricata/fast.log | tail

67 cat /usr/local/var/log/suricata/stats.log

68 echo "" > /usr/local/var/log/suricata/stats.log

69 cat /usr/local/var/log/suricata/stats.log

70 ifconfig

71 lspcu

72 lspci

73 lspcu

74 apt install lscpu

75 sudo apt-get install util-linux

76 lscpu

77 cat /usr/local/var/log/suricata/stats.log

78 vi /usr/local/etc/suricata/suricata.yaml

79 suricata --dpdk -vvvv -c /usr/local/etc/suricata/suricata.yaml

80 ifconfig

81 ip link

82 ip link set dev enp7s0np0 up

83 ip link set dev enp8s0np1 up

84 ifconfig

85 echo "" > /usr/local/var/log/suricata/stats.log

86 suricata --dpdk -vvvv -c /usr/local/etc/suricata/suricata.yaml

87 pkill -f -9 suricata

88 vi /usr/local/etc/suricata/suricata.yaml

89 suricata --dpdk -vvvv -c /usr/local/etc/suricata/suricata.yaml

90 pkill -f -9 suricata

91 vi /usr/local/etc/suricata/suricata.yaml

92 pkill -f -9 suricata

93 suricata --dpdk -vvvv -c /usr/local/etc/suricata/suricata.yaml

94 pkill -f -9 suricata

95 vi /usr/local/etc/suricata/suricata.yaml

96 pkill -f -9 suricata

97 suricata --dpdk -vvvv -c /usr/local/etc/suricata/suricata.yaml

98 pkill -f -9 suricata

99 suricata --dpdk -vvvv -c /usr/local/etc/suricata/suricata.yaml

100 history

root@server2:/home/ubuntu#

-------------------- SURICTA-DPDK TERMINAL 2 ROOT -----------

root@server2:/home/ubuntu# history

1 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

2 pkill -f -9 suricata

3 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

4 pkill -f -9 suricata

5 vi /usr/local/etc/suricata/suricata.yaml

6 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

7 vi /usr/local/etc/suricata/suricata.yaml

8 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

9 vi /usr/local/etc/suricata/suricata.yaml

10 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

11 vi /usr/local/etc/suricata/suricata.yaml

12 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

13 vi /usr/local/etc/suricata/suricata.yaml

14 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

15 vi /usr/local/etc/suricata/suricata.yaml

16 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

17 pkill -f -9 suricata

18 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

19 pkill -f -9 suricata

20 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

21 pkill -f -9 suricata

22 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

23 pkill -f -9 suricata

24 ps -aux

25 exit

26 htop

27 exit

28 lspci

29 vi /usr/local/etc/suricata/suricata.yaml

30 suricata --dpdk

31 suricata --dpdk -c /usr/local/etc/suricata/suricata.yaml

32 vi /usr/local/etc/suricata/suricata.yaml

33 suricata --dpdk -c /usr/local/etc/suricata/suricata.yaml

34 vi /usr/local/etc/suricata/suricata.yaml

35 suricata --dpdk -c /usr/local/etc/suricata/suricata.yaml

36 vi /usr/local/etc/suricata/suricata.yaml

37 suricata --dpdk -c /usr/local/etc/suricata/suricata.yaml

38 vi /usr/local/etc/suricata/suricata.yaml

39 suricata --dpdk -c /usr/local/etc/suricata/suricata.yaml

40 lspci

41 suricata --dpdk -c /usr/local/etc/suricata/suricata.yaml

42 vi /usr/local/etc/suricata/suricata.yaml

43 suricata --dpdk -c /usr/local/etc/suricata/suricata.yaml

44 vi /usr/local/etc/suricata/suricata.yaml

45 suricata --dpdk -c /usr/local/etc/suricata/suricata.yaml

46 pkill -f -9 suricata

47 vi /usr/local/var/lib/suricata/rules/suricata.rules

48 suricata-update

49 vi /usr/local/etc/suricata/suricata.yaml

50 suricata --dpdk -c /usr/local/etc/suricata/suricata.yaml

51 pkill -f -9 suricata

52 suricata --dpdk -vvvv -c /usr/local/etc/suricata/suricata.yaml

53 vi /usr/local/etc/suricata/suricata.yaml

54 tmux

55 suricata -vvvv --dpdk -c /usr/local/etc/suricata/suricata.yaml

56 ps -aux | grep suricata

57 kill -9 404272

58 ps -aux | grep suricata

59 reboot

60 cp /var/lib/suricata/rules/\* /usr/local/var/lib/suricata/rules/

61 cat /var/log/suricata/fast.log | tail -n 10

62 cat /usr/local/var/log/suricata/fast.log | tail

63 echo "" > /usr/local/var/log/suricata/fast.log

64 echo "" > /usr/local/var/log/suricata/stats.log

65 cat /usr/local/var/log/suricata/fast.log

66 cat /usr/local/var/log/suricata/fast.log | tail

67 cat /usr/local/var/log/suricata/stats.log

68 echo "" > /usr/local/var/log/suricata/stats.log

69 cat /usr/local/var/log/suricata/stats.log

70 ifconfig

71 lspcu

72 lspci

73 lspcu

74 apt install lscpu

75 sudo apt-get install util-linux

76 lscpu

77 cat /usr/local/var/log/suricata/stats.log

78 history

-------------------------------- S2 SURICAT – DPDK S2 Terminal 2 USER

208 htop

209 cd /var/log/suricata/

210 ls

211 cat fast.log

212 cat fast.log | tail -n 10

213 cat fast.log | tail -n 50

214 ls

215 sudo apt-get purge suricata

216 sudo apt-get install -y build-essential git libjansson-dev libpcap-dev libpcre2-dev libtool libyaml-dev make pkg-config zlib1g-dev

217 sudo apt-get install -y cbindgen

218 sudo apt-get install -y autoconf automake build-essential ccache clang curl git gosu jq libbpf-dev libcap-ng0 libcap-ng-dev libelf-dev libevent-dev libgeoip-dev libhiredis-dev libjansson-dev liblua5.1-dev libmagic-dev libnet1-dev libpcap-dev libpcre2-dev libtool libyaml-0-2 libyaml-dev m4 make pkg-config python3 python3-dev python3-yaml sudo zlib1g zlib1g-dev

219 sudo apt install -y cargo

220 sudo cargo install --force --debug --version 0.24.3 cbindgen

221 sudo apt-get install -y libnetfilter-queue-dev libnetfilter-queue1 libnetfilter-log-dev libnetfilter-log1 libnfnetlink-dev libnfnetlink0

222 sudo git clone https://github.com/OISF/suricata

223 rm -rf suricata/

224 sudo git clone https://github.com/OISF/suricata

225 cd suricata/ && sudo ./scripts/bundle.sh

226 sudo ./autogen.sh

227 htop

228 sudo make -j 30

229 sudo apt-get install rust-bindings-dev

230 apt install libclang-dev

231 sudo apt install libclang-dev

232 sudo make -j 30

233 cargo install --root /usr cbindgen

234 sudo cargo install --root /usr cbindgen

235 sudo cargo install --force --root /usr cbindgen

236 sudo ./scripts/bundle.sh && sudo ./autogen.sh && sudo ./configure --enable-dpdk --enable-nfqueue

237 sudo make -j 30

238 sudo make install

239 sudo make install-conf

240 sudo ldconfig

241 suricata -h

242 suricata --dpdk

243 sudo suricata --dpdk

244 sudo su

245 sudo su

246 history

LINKS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

<https://www.google.com/search?q=rust-binding.h&rlz=1C1GCEA_enUS1075US1075&oq=rust-binding.h&gs_lcrp=EgZjaHJvbWUyBggAEEUYOdIBCDUwNDBqMGo3qAIAsAIA&sourceid=chrome&ie=UTF-8>

<https://www.google.com/search?q=suricata+rust-bindings.h+not+found&sca_esv=a3944c8b8683a63b&rlz=1C1GCEA_enUS1075US1075&sxsrf=ADLYWIKVbQb5VhsaRf-4Uta09DrmJEVyXg%3A1736958925152&ei=zeOHZ4rmCJndwN4P8vnOkA4&oq=suricata+rust-bindings.h+&gs_lp=Egxnd3Mtd2l6LXNlcnAiGXN1cmljYXRhIHJ1c3QtYmluZGluZ3MuaCAqAggDMgUQIRigATIFECEYoAEyBRAhGKABMgUQIRigATIFECEYoAEyBRAhGKsCMgUQIRirAki8vAFQ7wZYuqgBcAJ4AJABAJgBYaABkgiqAQIxM7gBA8gBAPgBAZgCCaACsgTCAgkQABiwAxgIGB7CAgcQIxiwAhgnwgIIEAAYCBgNGB7CAggQABiABBiiBMICBRAhGJ8FmAMAiAYBkAYBkgcBOaAH1Ck&sclient=gws-wiz-serp>

<https://redmine.openinfosecfoundation.org/projects/suricata/wiki/Ubuntu_Installation>

<https://forum.suricata.io/t/make-installation-fails/648/2>

<https://rust-lang.github.io/rust-bindgen/requirements.html>

<https://github.com/facebook/CacheLib/issues/92>

<https://www.google.com/search?q=fatal+error%3A+rust-bindings.h%3A+No+such+file+or+directory&sca_esv=a3944c8b8683a63b&rlz=1C1GCEA_enUS1075US1075&sxsrf=ADLYWIKRRsMbSfNMmpXXyP9Q3BLYuzTcUQ%3A1736959326674&ei=XuWHZ4TeKOzfp84PsZ-euAQ&ved=0ahUKEwiEhZ_dlfiKAxXs78kDHbGPB0cQ4dUDCBA&uact=5&oq=fatal+error%3A+rust-bindings.h%3A+No+such+file+or+directory&gs_lp=Egxnd3Mtd2l6LXNlcnAiN2ZhdGFsIGVycm9yOiBydXN0LWJpbmRpbmdzLmg6IE5vIHN1Y2ggZmlsZSBvciBkaXJlY3RvcnkyBRAhGKABMgUQIRigATIFECEYoAEyBRAhGKABMgUQIRigAUjKA1CuAliuAnADeACQAQCYAZcBoAGXAaoBAzAuMbgBA8gBAPgBAvgBAZgCBKACngHCAgcQABiwAxgewgIJEAAYsAMYCBgewgILEAAYsAMYCBgKGB6YAwCIBgGQBgOSBwMzLjGgB4YG&sclient=gws-wiz-serp>

<https://www.google.com/search?q=fatal+error%3A+rust-bindings.h%3A+No+such+file+or+directory&sca_esv=a3944c8b8683a63b&rlz=1C1GCEA_enUS1075US1075&sxsrf=ADLYWIKRRsMbSfNMmpXXyP9Q3BLYuzTcUQ%3A1736959326674&ei=XuWHZ4TeKOzfp84PsZ-euAQ&ved=0ahUKEwiEhZ_dlfiKAxXs78kDHbGPB0cQ4dUDCBA&uact=5&oq=fatal+error%3A+rust-bindings.h%3A+No+such+file+or+directory&gs_lp=Egxnd3Mtd2l6LXNlcnAiN2ZhdGFsIGVycm9yOiBydXN0LWJpbmRpbmdzLmg6IE5vIHN1Y2ggZmlsZSBvciBkaXJlY3RvcnkyBRAhGKABMgUQIRigATIFECEYoAEyBRAhGKABMgUQIRigAUjKA1CuAliuAnADeACQAQCYAZcBoAGXAaoBAzAuMbgBA8gBAPgBAvgBAZgCBKACngHCAgcQABiwAxgewgIJEAAYsAMYCBgewgILEAAYsAMYCBgKGB6YAwCIBgGQBgOSBwMzLjGgB4YG&sclient=gws-wiz-serp>

<https://forum.suricata.io/t/about-suricata-7-compilation-error-on-openwrt-snapshot-master/3978>

<https://forum.suricata.io/t/about-suricata-7-compilation-error-on-openwrt-snapshot-master/3978>

<https://forum.suricata.io/t/about-suricata-7-compilation-error-on-openwrt-snapshot-master/3978/2>

<https://www.google.com/search?q=capture.dpdk.imissed&rlz=1C1GCEA_enUS1075US1075&oq=capture.dpdk.imissed&gs_lcrp=EgZjaHJvbWUyBggAEEUYOdIBBzE5MGowajeoAgCwAgA&sourceid=chrome&ie=UTF-8>

<https://www.google.com/search?q=capture.dpdk.imissed&rlz=1C1GCEA_enUS1075US1075&oq=capture.dpdk.imissed&gs_lcrp=EgZjaHJvbWUyBggAEEUYOdIBBzE5MGowajeoAgCwAgA&sourceid=chrome&ie=UTF-8>

<https://www.google.com/search?q=suricata+dpdk+packet+loss&rlz=1C1GCEA_enUS1075US1075&oq=suricata+dpdk+packet+loss&gs_lcrp=EgZjaHJvbWUyBggAEEUYOdIBCDM2MTZqMGo3qAIAsAIA&sourceid=chrome&ie=UTF-8>

<https://forum.suricata.io/t/dpdk-packet-loss/4412>

<https://www.geeksforgeeks.org/how-to-use-linux-lscpu-command/>

<https://forum.suricata.io/t/enable-ebpf-and-xdp-mode-in-suricata/4817/3>

<https://www.youtube.com/watch?v=KX1QOqMtchg>

<https://rust-lang.github.io/rust-bindgen/requirements.html>

# apt install libclang-dev

<https://forum.suricata.io/t/about-suricata-7-compilation-error-on-openwrt-snapshot-master/3978/3>

*$*(CONFIGURE\_VARS) cargo install --root /usr cbindgen ; \

<https://forum.suricata.io/t/suricata-with-dpdk-capture-dpdk-imissed-drops/3784/4>

<https://redmine.openinfosecfoundation.org/projects/suricata/wiki/Ubuntu_Installation>

<https://forum.suricata.io/t/dpdk-packet-loss/4412/6>

cpu-affinity:

- management-cpu-set:

cpu: [ 0, 2 ] *# include only these CPUs in affinity settings*

- receive-cpu-set:

cpu: [ 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31] *# include only these CPUs in affinity settings*

- worker-cpu-set:

cpu: [ 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36 ]

mode: "exclusive"

*# Use explicitly 3 threads and don't compute number by using*

*# detect-thread-ratio variable:*

*# threads: 3*

prio:

low: [ 0 ]

medium: [ "1-2" ]

high: [ 3 ]

default: "medium"