

**Cyber Forensics and Investigation** 

Course Code: BCI4001

Slot: L55+L56

Faculty: Dr. AJU D

Assessment: 4

18BCI0247

Rohan Allen

**Exercise 4: Snort** 

Aim: To download and install snort and to include and configure rulesets in order to implement an IDS solution which allows and omits certain traffic based on their protocol, port number etc.

## After installing snort and doing all rule configuration

Snort testing: to check version

## List of interfaces:

```
:\Snort\bin>snort -W
 -*> Snort! <*-
o" >~
Victor 2.9.18-WIN64 GRE (Build 169)

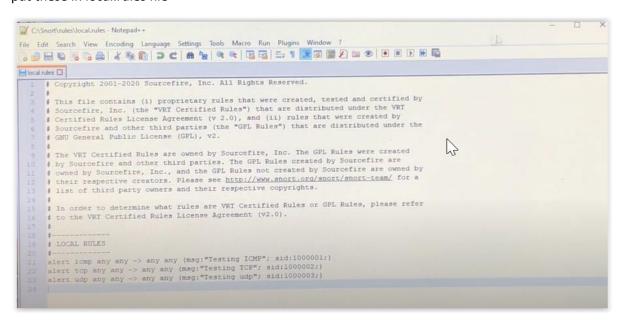
Whatin Roesch & The Snort Team: http://www.snort.org/contact#team
Copyright (C) 2014-2021 Cisco and/or its affiliates. All rights reserved.
Copyright (C) 1998-2013 Sourcefire, Inc., et al.
Using PCRE version: 8.10 2010-06-25
Using ZLIB version: 1.2.11
Index
             Physical Address
                                                                 TP Address
                                                                                                   Device Name
                                                                                                                                     Description
                                                                 disabled
                                                                 WAN Miniport (Network Monitor)
              00:00:00:00:00:00
                                                                                                                                                                                                                          WAN Miniport (Network Monitor)
WAN Miniport (IPv6)
WAN Miniport (IP)
Bluetooth Device (Personal Area Network)
Microsoft Wi-Fi Direct Virtual Adapter
Intel(R) Dual Band Wireless-AC 7265 #2
Microsoft Wi-Fi Direct Virtual Adapter #2
VirtualBox Host-Only Ethernet Adapter
              00:00:00:00:00:00
00:00:00:00:00:00
9C:DA:3E:AD:CA:95
              9C:DA:3E:AD:CA:92
9C:DA:3E:AD:CA:91
9E:DA:3E:AD:CA:91
             0A:00:27:00:00:09
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00:00:00:00:00:00
                                                                                                                                                                                                                    capture
ExpressVPN Wintun Driver
  :\Snort\bin>
```

## snort -i 1 -c c:\Snort\etc\snort.conf -T

## testing config file in 1st inteface

```
c:\Snort\binssort = 1.6 -c c:\Snort\binssort = 1.6 -c c:\Snort\binssort \cdot -c \cdot \cd
```

alert icmp any any -> any any (msg:"Testing ICMP"; sid:1000001;) alert tcp any any -> any any (msg:"Testing TCP"; sid:1000002;) alert udp any any -> any any (msg:"Testing udp"; sid:1000003;) put these in local.rules file



snort -i 6 -c c:\Snort\etc\snort.conf -A console

then testing these alert messages using 6<sup>th</sup> interface(Wifi) and printing results in console using above command.

```
Administrator Command Prompt - snort - i6
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37/10-11.42:24.55213 [**] [1:10006
37/10-11.42:24.55273 [**] [1:10006
37/10-11.42:24.55273 [**] [1:10006
37/10-11.42:25.5543 [**] [1:10006
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** Caught Int-Signal

un time for packet processing was 72.573000 secon
nort processed 6791 packets.
nort ran for 0 days 0 hours 1 minutes 12 seconds
Pkts/min:
Pkts/sec: 94
```

