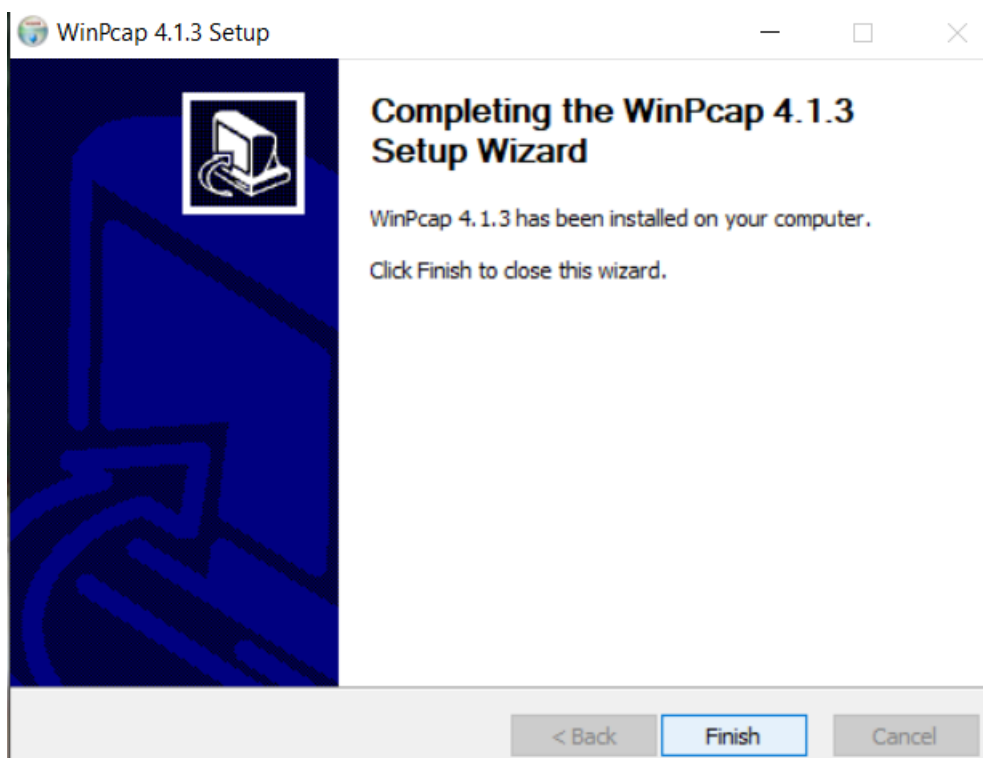


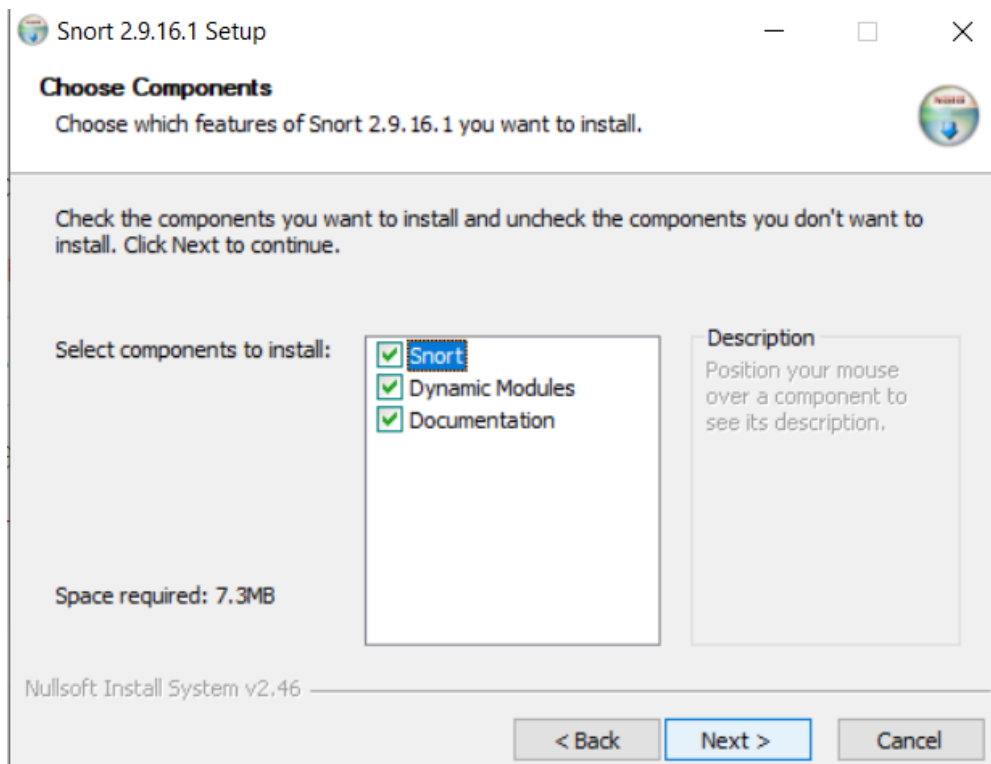
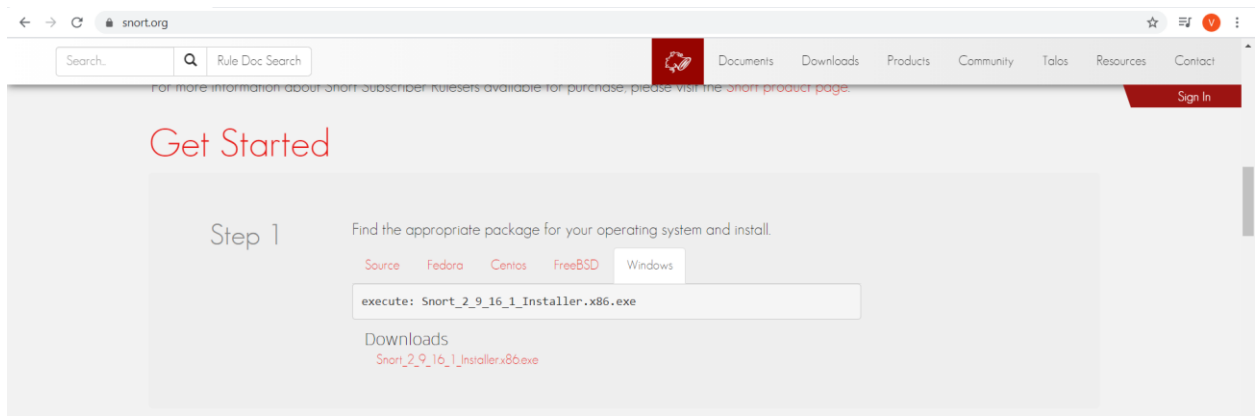
Exercise 10:

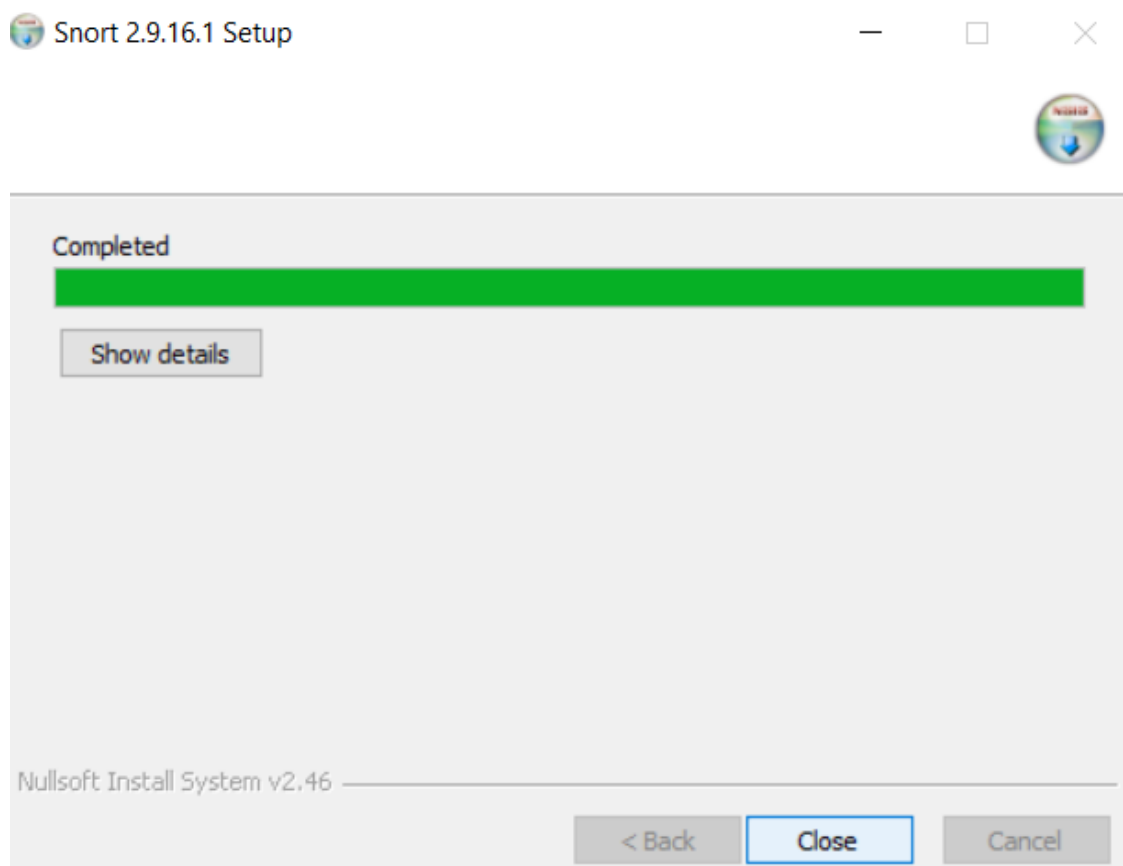
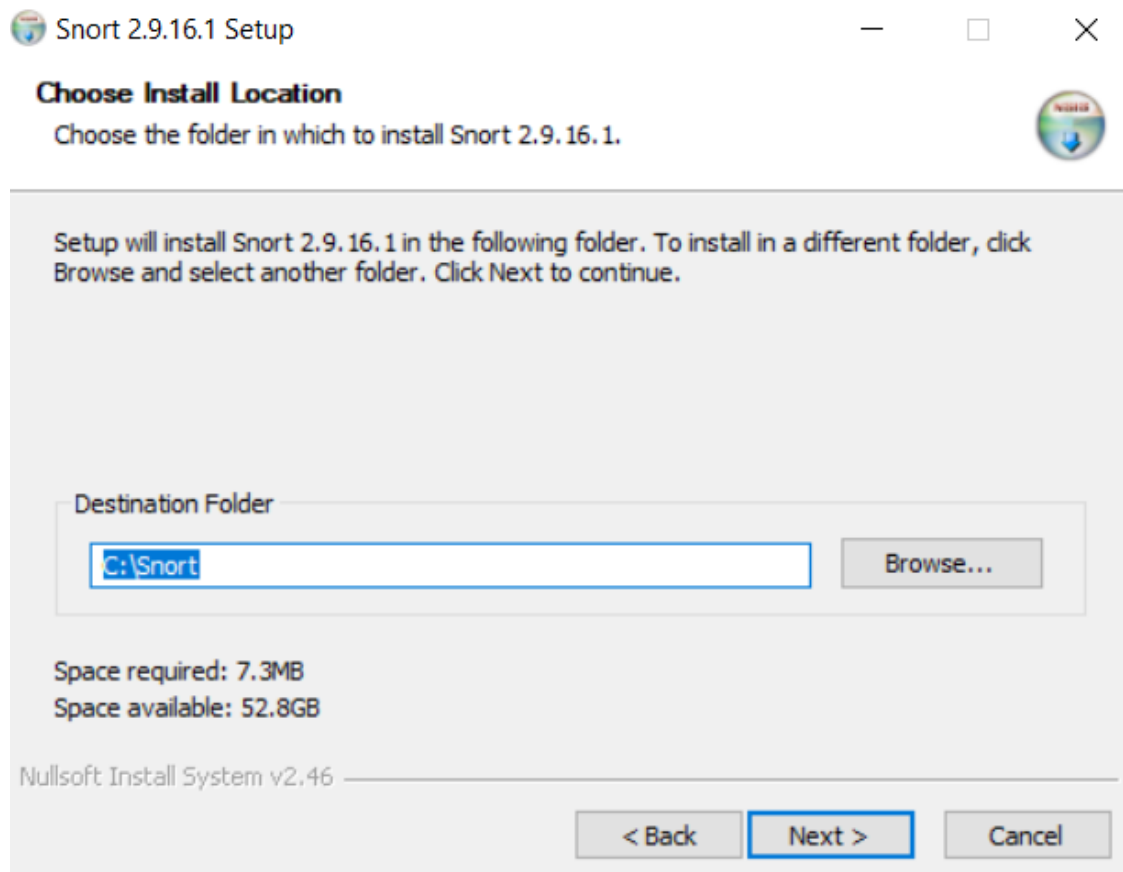
To demonstrate intrusion detection system (ids) using any snort.

1) Installing WinPcap in Windows:.



2) Installing Snort in Windows:





3) Download snort rules:

Rules

Latest advisory:
Talos Rules 2020-11-02
What are rules?

Documentation
[opensource.gz](#)

Snort v3.0
[snort3-community-rules.tar.gz](#)

Snort v2.9
[community-rules.tar.gz](#)

MD5s
[All Sums](#)

Documentation
[opensource.gz](#)

Snort v2.9
[snortrules-snapshot-2983.tar.gz](#)
[snortrules-snapshot-29111.tar.gz](#)
[snortrules-snapshot-29130.tar.gz](#)
[snortrules-snapshot-29141.tar.gz](#)
[snortrules-snapshot-29150.tar.gz](#)
[snortrules-snapshot-29151.tar.gz](#)
[snortrules-snapshot-29160.tar.gz](#)
[snortrules-snapshot-29161.tar.gz](#)

Snort v3.0
[snortrules-snapshot-3000.tar.gz](#)

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Snort v2.9
[snortrules-snapshot-2983.tar.gz](#)
[snortrules-snapshot-29111.tar.gz](#)
[snortrules-snapshot-29130.tar.gz](#)
[snortrules-snapshot-29141.tar.gz](#)
[snortrules-snapshot-29150.tar.gz](#)
[snortrules-snapshot-29151.tar.gz](#)
[snortrules-snapshot-29160.tar.gz](#)
[snortrules-snapshot-29161.tar.gz](#)

Snort v3.0
[snortrules-snapshot-3000.tar.gz](#)

MD5s
[All Sums](#)

[Subscribe](#)

This PC > Local Disk (C:) > Snort > rules				
Name	Date modified	Type	Size	
app-detect.rules	03-11-2020 02:34	RULES File	68 KB	
attack-responses.rules	03-11-2020 02:34	RULES File	2 KB	
backdoor.rules	03-11-2020 02:34	RULES File	2 KB	
bad-traffic.rules	03-11-2020 02:34	RULES File	2 KB	
blacklist.rules	03-11-2020 02:34	RULES File	2 KB	
botnet-cnc.rules	03-11-2020 02:34	RULES File	2 KB	
browser-chrome.rules	03-11-2020 02:34	RULES File	50 KB	
browser-firefox.rules	03-11-2020 02:34	RULES File	151 KB	
browser-ie.rules	03-11-2020 02:34	RULES File	1,642 KB	
browser-other.rules	03-11-2020 02:34	RULES File	40 KB	
browser-plugins.rules	03-11-2020 02:34	RULES File	1,529 KB	
browser-webkit.rules	03-11-2020 02:34	RULES File	73 KB	
chat.rules	03-11-2020 02:34	RULES File	2 KB	
content-replace.rules	03-11-2020 02:34	RULES File	9 KB	
ddos.rules	03-11-2020 02:34	RULES File	2 KB	
deleted.rules	03-11-2020 02:34	RULES File	7,493 KB	
dns.rules	03-11-2020 02:34	RULES File	2 KB	
dos.rules	03-11-2020 02:34	RULES File	2 KB	
experimental.rules	03-11-2020 02:34	RULES File	2 KB	
exploit.rules	03-11-2020 02:34	RULES File	2 KB	
exploit-kit.rules	03-11-2020 02:34	RULES File	399 KB	
file-executable.rules	03-11-2020 02:34	RULES File	163 KB	
file-flash.rules	03-11-2020 02:34	RULES File	1,288 KB	
file-identify.rules	03-11-2020 02:34	RULES File	529 KB	
file-image.rules	03-11-2020 02:34	RULES File	370 KB	
file-java.rules	03-11-2020 02:34	RULES File	120 KB	
file-multimedia.rules	03-11-2020 02:34	RULES File	222 KB	

7) Run snort with -A option

```
Administrator: Command Prompt
c:\Snort\bin>snort -i 2 -c c:\snort\etc\snort.conf -A console
Running in IDS mode

==== Initializing Snort ====
Initializing Output Plugins!
Initializing Preprocessors!
Initializing Plug-ins!
Parsing Rules file "c:\snort\etc\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 6988 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 9000 9060 9080 9090:9091 9443 9999 11371 3444
3:34444 41080 50002 55555 ]
PortVar 'SHELLCODE_PORTS' defined : [ 0:79 81:65535 ]
PortVar 'ORACLE_PORTS' defined : [ 1024:65535 ]
PortVar 'SSH_PORTS' defined : [ 22 ]
PortVar 'FTP_PORTS' defined : [ 21 2100 3535 ]
PortVar 'SIP_PORTS' defined : [ 5060:5061 5600 ]
PortVar 'FILE_DATA_PORTS' defined : [ 80:81 110 143 311 383 591 593 901 1220 1414 1741 1830 2301 23
81 2809 3037 3128 3702 4343 4848 5250 6988 7000:7001 7144:7145 7510 7777 7779 8000 8008 8014 8028 80
80 8085 8088 8090 8118 8123 8180:8181 8243 8280 8300 8800 8888 8899 9000 9060 9080 9090:9091 9443 99
99 11371 34443:34444 41080 50002 55555 ]
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 C:\Snort\lib\snort_dynamicengine\sf_engine.dll... done
Loading all dynamic preprocessor libs from C:\Snort\lib\snort_dynamicpreprocessor...
  Loading dynamic preprocessor library C:\Snort\lib\snort_dynamicpreprocessor\sf_dce2.dll... done
  Loading dynamic preprocessor library C:\Snort\lib\snort_dynamicpreprocessor\sf_dnp3.dll... done
  Loading dynamic preprocessor library C:\Snort\lib\snort_dynamicpreprocessor\sf_dns.dll... done
  Loading dynamic preprocessor library C:\Snort\lib\snort_dynamicpreprocessor\sf_ftptelnet.dll... do
ne
  Loading dynamic preprocessor library C:\Snort\lib\snort_dynamicpreprocessor\sf_gtp.dll... done
  Loading dynamic preprocessor library C:\Snort\lib\snort_dynamicpreprocessor\sf_imap.dll... done
  Loading dynamic preprocessor library C:\Snort\lib\snort_dynamicpreprocessor\sf_modbus.dll... done
  Loading dynamic preprocessor library C:\Snort\lib\snort_dynamicpreprocessor\sf_pop.dll... done
  Loading dynamic preprocessor library C:\Snort\lib\snort_dynamicpreprocessor\sf_reputation.dll... d
one
  Loading dynamic preprocessor library C:\Snort\lib\snort_dynamicpreprocessor\sf_sdf.dll... done
  Loading dynamic preprocessor library C:\Snort\lib\snort_dynamicpreprocessor\sf_sip.dll... done
  Loading dynamic preprocessor library C:\Snort\lib\snort_dynamicpreprocessor\sf_smtp.dll... done
  Loading dynamic preprocessor library C:\Snort\lib\snort_dynamicpreprocessor\sf_ssh.dll... done
  Loading dynamic preprocessor library C:\Snort\lib\snort_dynamicpreprocessor\sf_ssl.dll... done
Finished Loading all dynamic preprocessor libs from C:\Snort\lib\snort_dynamicpreprocessor
Log directory = C:\Snort\log
HttpInspect Config:
  GLOBAL CONFIG
    Detect Proxy Usage: NO
    IIS Unicode Map Filename: c:\snort\etc\unicode.map
    IIS Unicode Map Codepage: 1252
    Memcap used for logging URI and Hostname: 150994944
    Max Gzip Memory: 838860
    Max Gzip Sessions: 2688
    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 7144 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 9090 9091 9443 9999 11371 34443 34444 41080 5
0002 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
```

Administrator: Command Prompt

```
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
Max Number of WhiteSpaces allowed with Javascript Obfuscation in HTTP responses: 200
Normalize HTTP Cookies: NO
Enable XFF and True Client IP: NO
Log HTTP URI data: NO
Log HTTP Hostname data: NO
Extended ASCII code support in URI: NO
Ascii: YES alert: NO
Double Decoding: YES alert: NO
%U Encoding: YES alert: YES
Bare Byte: YES alert: NO
UTF 8: YES alert: NO
IIS Unicode: YES alert: NO
Multiple Slash: YES alert: NO
IIS Backslash: YES alert: NO
Directory Traversal: YES alert: NO
Web Root Traversal: YES alert: NO
Apache WhiteSpace: YES alert: NO
IIS Delimiter: YES alert: NO
IIS Unicode Map: GLOBAL IIS UNICODE MAP CONFIG
Non-RFC Compliant Characters: 0x00 0x01 0x02 0x03 0x04 0x05 0x06 0x07
Whitespace Characters: 0x09 0x0b 0x0c 0x0d
Legacy mode: NO
```

rpc_decode arguments:

```
Ports to decode RPC on: 111 32770 32771 32772 32773 32774 32775 32776 32777 32778 32779
alert_fragments: INACTIVE
alert_large_fragments: INACTIVE
alert_incomplete: INACTIVE
alert_multiple_requests: INACTIVE
```

Administrator: Command Prompt

```
alert_large_fragments: INACTIVE
alert_incomplete: INACTIVE
alert_multiple_requests: INACTIVE
```

FTPTelnet Config:

GLOBAL CONFIG

```
Inspection Type: stateful
Check for Encrypted Traffic: YES alert: NO
Continue to check encrypted data: YES
```

TELNET CONFIG:

```
Ports: 23
Are You There Threshold: 20
Normalize: YES
Detect Anomalies: YES
```

FTP CONFIG:

```
FTP Server: default
Ports (PAF): 21 2100 3535
Check for Telnet Cnds: YES alert: YES
Ignore Telnet Cmd Operations: YES alert: YES
Ignore open data channels: NO
```

FTP Client: default

```
Check for Bounce Attacks: YES alert: YES
Check for Telnet Cnds: YES alert: YES
Ignore Telnet Cmd Operations: YES alert: YES
Max Response Length: 256
```

SMTP Config:

Ports: 25 465 587 691

Inspection Type: Stateful

Normalize: ATRN AUTH BDAT DATA DEBUG EHLO EMAL ESAM ESND ESOM ETRN EVFY EXPN HELO HELP IDENT MAIL NOOP ONEX QUEU QUIT RCPT RSET SAML SEND STARTTLS SOML TICK TIME TURN TURNME VERB VRFY X-EXPS XADR XAUTH XCIR XEXCH50 XGEN XLICENSE X-LINK2STATE XQUE XSTA XTRN XUSR CHUNKING X-ADAT X-DRCP X-ERCP X-EXCH50

Ignore Data: No

Ignore TLS Data: No

Ignore SMTP Alerts: No

Max Command Line Length: 512

Max auth Command Line Length: 1000

Max Specific Command Line Length:

```
ATRN:255 AUTH:246 BDAT:255 DATA:246 DEBUG:255
EHLO:500 EMAL:255 ESAM:255 ESND:255 ESOM:255
```



```

    ATRN:255 AUTH:246 BDAT:255 DATA:246 DEBUG:255
    EHLO:500 EMAL:255 ESAM:255 ESND:255 ESOM:255
    ETRN:246 EVFY:255 EXPN:255 HELO:500 HELP:500
    IDENT:255 MAIL:260 NOOP:255 ONEX:246 QUEU:246
    QUIT:246 RCPT:300 RSET:246 SAML:246 SEND:246
    SIZE:255 STARTTLS:246 SOML:246 TICK:246 TIME:246
    TURN:246 TURNME:246 VERB:246 VRFY:255 X-EXPS:246
    XADR:246 XAUTH:246 XCIR:246 XEXCH50:246 XGEN:246
    XLICENSE:246 X-LINK2STATE:246 XQUE:246 XSTA:246 XTRN:246
    XUSR:246
    Max Header Line Length: 1000
    Max Response Line Length: 512
    X-Link2State Alert: Yes
    Drop on X-Link2State Alert: No
    Alert on commands: None
    Alert on unknown commands: No
    SMTP 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
    Log Attachment filename: Enabled
    Log MAIL FROM Address: Enabled
    Log RCPT TO Addresses: Enabled
    Log Email Headers: Enabled
    Email Hdrs Log Depth: 1464
SSH config:
Autodetection: ENABLED
Challenge-Response Overflow Alert: ENABLED
SSH1 CRC32 Alert: ENABLED
Server Version String Overflow Alert: ENABLED
Protocol Mismatch Alert: ENABLED
Bad Message Direction Alert: DISABLED
Bad Payload Size Alert: DISABLED

```

```

+++++
Initializing rule chains...
444 Snort rules read
    3 detection rules
    153 decoder rules
    288 preprocessor rules
444 Option Chains linked into 4 Chain Headers
+++++

```

```

+-----[Rule Port Counts]-----+
|      tcp      udp      icmp      ip      |
|  src      0      0      0      0      |
|  dst      1      0      0      0      |
|  any     441      1      1      0      |
|  nc     442      1      1      0      |
|  s+d      0      0      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]-----+
+-----[event-filter-local]-----+
| none
+-----[suppression]-----+
| none
+-----+

```

```

Rule application order: pass->drop->sdrop->reject->alert->log

```

```
Rule application order: pass->drop->sdrop->reject->alert->log
Verifying Preprocessor Configurations!
```

```
[ Port Based Pattern Matching Memory ]
[ Number of patterns truncated to 20 bytes: 0 ]
pcap DAQ configured to passive.
The DAQ version does not support reload.
Acquiring network traffic from "\\Device\NPF_{DA7A9A07-22CB-4D9A-A9BA-F5886083E218}".
Decoding Ethernet
```

```
==== Initialization Complete ===
```

```

_*> Snort! <*-
o" )~ Version 2.9.16.1-WIN32 GRE (Build 140)
''' By Martin Roesch & The Snort Team: http://www.snort.org/contact#team
    Copyright (C) 2014-2020 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: 1.2.3
```

```

Rules Engine: SF_SNORT_DETECTION_ENGINE Version 3.1 <Build 1>
Preprocessor Object: SF_SSLPP Version 1.1 <Build 4>
Preprocessor Object: SF_SSH Version 1.1 <Build 3>
Preprocessor Object: SF_SMTP Version 1.1 <Build 9>
Preprocessor Object: SF_SIP Version 1.1 <Build 1>
Preprocessor Object: SF_SDF Version 1.1 <Build 1>
Preprocessor Object: SF_REPUTATION Version 1.1 <Build 1>
Preprocessor Object: SF_POP Version 1.0 <Build 1>
Preprocessor Object: SF_MODBUS Version 1.1 <Build 1>
Preprocessor Object: SF_IMAP Version 1.0 <Build 1>
Preprocessor Object: SF_GTP Version 1.1 <Build 1>
Preprocessor Object: SF_FTPTELNET Version 1.2 <Build 13>
Preprocessor Object: SF_DNS Version 1.1 <Build 4>
Preprocessor Object: SF_DNP3 Version 1.1 <Build 1>
Preprocessor Object: SF_DCERPC2 Version 1.0 <Build 3>
```

```
Commencing packet processing (pid=3104)
```

```
11/04-09:27:13.961030 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 193.123.133.32:801 -> 192.168.1.4:61091
```

```
11/04-09:27:13.986699 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 193.123.133.32:801 -> 192.168.1.4:61089
```

```
Preprocessor Object: SF_DCERPC2 Version 1.0 <Build 3>
```

```
Commencing packet processing (pid=3104)
```

```
11/04-09:27:13.961030 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 193.123.133.32:801 -> 192.168.1.4:61091
```

```
11/04-09:27:13.986699 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 193.123.133.32:801 -> 192.168.1.4:61089
```

```
11/04-09:27:13.988076 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 193.123.133.32:801 -> 192.168.1.4:61089
```

```
11/04-09:27:13.998174 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 192.168.1.4:61091 -> 193.123.133.32:8801
```

```
11/04-09:27:14.002823 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 193.123.133.32:801 -> 192.168.1.4:61091
```

```
11/04-09:27:14.008524 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 193.123.133.32:801 -> 192.168.1.4:61089
```

```
11/04-09:27:14.022641 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 193.123.133.32:801 -> 192.168.1.4:61091
```

```
11/04-09:27:14.027265 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 193.123.133.32:801 -> 192.168.1.4:61089
```

```
11/04-09:27:14.048628 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 193.123.133.32:801 -> 192.168.1.4:61089
```

```
11/04-09:27:14.059438 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 192.168.1.4:61091 -> 193.123.133.32:8801
```

```
11/04-09:27:14.069487 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 193.123.133.32:801 -> 192.168.1.4:61089
```

```
11/04-09:27:14.072657 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 193.123.133.32:801 -> 192.168.1.4:61091
```

```
11/04-09:27:14.088701 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 193.123.133.32:801 -> 192.168.1.4:61089
```

```
11/04-09:27:14.108642 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 193.123.133.32:801 -> 192.168.1.4:61089
```

```
11/04-09:27:14.119353 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 192.168.1.4:61091 -> 193.123.133.32:8801
```

```
11/04-09:27:14.123320 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 193.123.133.32:801 -> 192.168.1.4:61091
```

```
11/04-09:27:14.124103 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 193.123.133.32:801 -> 192.168.1.4:61091
```

```
11/04-09:27:14.132325 [**] [1:1000003:1] UDP Testing Rule [**] [Priority: 0] {UDP} 193.123.133.32:801 -> 192.168.1.4:61091
```

```
=====
Run time for packet processing was 14.430000 seconds
Snort processed 3141 packets.
Snort ran for 0 days 0 hours 0 minutes 14 seconds
Pkts/sec:      224
=====
```

Packet I/O Totals:

```
Received:      3508
Analyzed:      3141 ( 89.538%)
Dropped:       0 (  0.000%)
Filtered:      0 (  0.000%)
Outstanding:   367 ( 10.462%)
Injected:      0
=====
```

Breakdown by protocol (includes rebuilt packets):

```
Eth:          3141 (100.000%)
VLAN:         0 (  0.000%)
IP4:          3134 ( 99.777%)
Frag:         0 (  0.000%)
ICMP:         8 (  0.255%)
UDP:         2259 ( 71.920%)
TCP:         867 ( 27.603%)
IP6:          7 (  0.223%)
IP6 Ext:      7 (  0.223%)
IP6 Opts:     0 (  0.000%)
Frag6:        0 (  0.000%)
ICMP6:        1 (  0.032%)
UDP6:         6 (  0.191%)
TCP6:         0 (  0.000%)
Teredo:       0 (  0.000%)
ICMP-IP:      0 (  0.000%)
EAPOL:        0 (  0.000%)
IP4/IP4:      0 (  0.000%)
IP4/IP6:      0 (  0.000%)
IP6/IP4:      0 (  0.000%)
IP6/IP6:      0 (  0.000%)
GRE:          0 (  0.000%)
GRE Eth:      0 (  0.000%)
=====
```

```
GRE Eth:      0 (  0.000%)
GRE VLAN:     0 (  0.000%)
GRE IP4:      0 (  0.000%)
GRE IP6:      0 (  0.000%)
GRE IP6 Ext:  0 (  0.000%)
GRE PPTP:     0 (  0.000%)
GRE ARP:      0 (  0.000%)
GRE IPX:      0 (  0.000%)
GRE Loop:     0 (  0.000%)
MPLS:         0 (  0.000%)
ARP:          0 (  0.000%)
IPX:          0 (  0.000%)
Eth Loop:     0 (  0.000%)
Eth Disc:     0 (  0.000%)
IP4 Disc:     0 (  0.000%)
IP6 Disc:     0 (  0.000%)
TCP Disc:     0 (  0.000%)
UDP Disc:     0 (  0.000%)
ICMP Disc:    0 (  0.000%)
All Discard:  0 (  0.000%)
Other:        0 (  0.000%)
Bad Chk Sum:  0 (  0.000%)
Bad TTL:      0 (  0.000%)
S5 G 1:       0 (  0.000%)
S5 G 2:       0 (  0.000%)
Total:       3141
=====
```

Action Stats:

```
Alerts:       2274 ( 72.397%)
Logged:       2274 ( 72.397%)
Passed:       0 (  0.000%)
=====
```

Limits:

```
Match:        0
Queue:        0
Log:          0
Event:        0
Alert:        0
=====
```

```
Alert: 0
Verdicts:
  Allow: 3141 ( 89.538%)
  Block: 0 ( 0.000%)
  Replace: 0 ( 0.000%)
  Whitelist: 0 ( 0.000%)
  Blacklist: 0 ( 0.000%)
  Ignore: 0 ( 0.000%)
  (null): 0 ( 0.000%)
=====
SMTP Preprocessor Statistics
  Total sessions : 0
  Max concurrent sessions : 0
=====
Snort exiting

c:\Snort\bin>
c:\Snort\bin>
```

```
C:\Users\WELCOME>ping 192.168.1.1
```

```
Pinging 192.168.1.1 with 32 bytes of data:
Reply from 192.168.1.1: bytes=32 time=21ms TTL=64
Reply from 192.168.1.1: bytes=32 time=20ms TTL=64
Reply from 192.168.1.1: bytes=32 time=1ms TTL=64
Reply from 192.168.1.1: bytes=32 time=1ms TTL=64

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 21ms, Average = 10ms
```