Lab #4 - SNORT Sam Mishra N12140743

command: sudo snort -c /etc/snort/snort.conf -r /home/student/InfectedPcaps/infected.pcap -A fast

-A full -A test

1. /var/log/snort/alert:

```
155
               25042
[**] [1:25042:4] EXPLOIT-KIT Java User-Agent downloading Portable Executable
- Possible exploit kit [**]
[Classification: A Network Trojan was detected] [Priority: 1]
03/16-11:50:54.901880 59.53.91.102:80 -> 192.168.23.129:1067
TCP TTL:128 TOS:0x0 ID:371 IpLen:20 DgmLen:16932 DF
***A**** Seq: 0x7BDA5466 Ack: 0x56F4B43 Win: 0xFAF0 TcpLen: 20
[Xref => http://malware.dontneedcoffee.com/2012/11/cve-2012-5076-massively-ad
opted.html][Xref => http://cve.mitre.org/cgi-bin/cvename.cgi?name=2012-5076]
183
                25042
[**] [1:25042:4] EXPLOIT-KIT Java User-Agent downloading Portable Executable
- Possible exploit kit [**]
[Classification: A Network Trojan was detected] [Priority: 1]
03/16-11:50:50.702668 59.53.91.102:80 -> 192.168.23.129:1066
TCP TTL:128 TOS:0x0 ID:380 IpLen:20 DgmLen:17560 DF
***A**** Seg: 0x2908299D Ack: 0xEB81D38D Win: 0xFAF0 TcpLen: 20
[Xref => http://malware.dontneedcoffee.com/2012/11/cve-2012-5076-massively-ad
opted.html][Xref => http://cve.mitre.org/cgi-bin/cvename.cgi?name=2012-5076]
                16669
[**] [1:16669:5] MALWARE-CNC Spyeye bot variant outbound connection [**]
[Classification: A Network Trojan was detected] [Priority: 1]
03/16-11:51:05.397195 192.168.23.129:1069 -> 212.252.32.20:80
TCP TTL:128 TOS:0x0 ID:221 IpLen:20 DgmLen:291
***A**** Seq: 0xC6100DB0 Ack: 0x595D1660 Win: 0xFAF0 TcpLen: 20
[Xref => http://www.threatexpert.com/report.aspx?md5=84714c100d2dfc88629531f6]
456b8276]
```

Snort alerted us three times.

Alert #1: GID = 1; SID = 25042; RID = 4; https://www.snort.org/rule_docs/1-25042

Summary: This event is generated when an attempt is made to exploit a known vulnerability in jdk.

Impact: Denial of Service. Information disclosure. Loss of integrity.

Alert #2: GID = 1; SID = 25042; RID = 4

<u>Alert #3</u>: **GID** = 1; **SID** = 16669; **RID** = 5; <u>https://www.snort.org/rule_docs/1-16669</u>

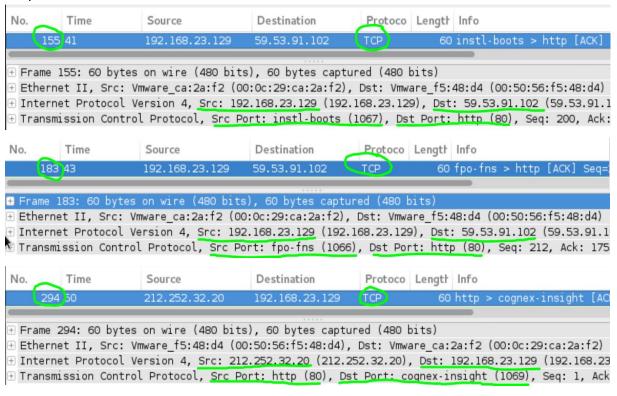
Summary: This event is generated when activity relating to the spyware application

"Spyeye bot" is detected.

Impact: This event is generated when an attempt is made to exploit a known

vulnerability in jdk.

2. Suspicious Packets Viewed In Wireshark:



<u>Packet #155</u> - **Src**: 192.168.23.129

Src Port: 1067

Dst: 59.53.91.102

Dst Port: 80 **Protocol**: TCP

Packet #183 - Src: 192.168.23.129

Src Port: 1066

Dst: 59.53.91.102

Dst Port: 80 **Protocol**: TCP

Packet #294 - Src: 212.252.32.20

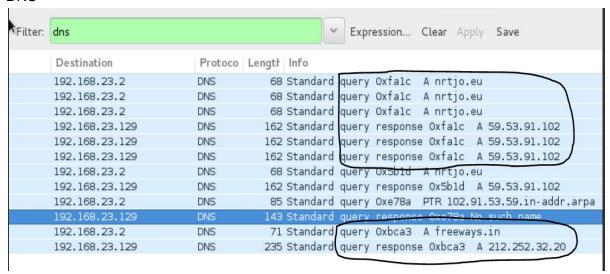
Src Port: 80

Dst: 192.168.23.129

Dst Port: 1069 **Protocol**: TCP

Wireshark Exercises

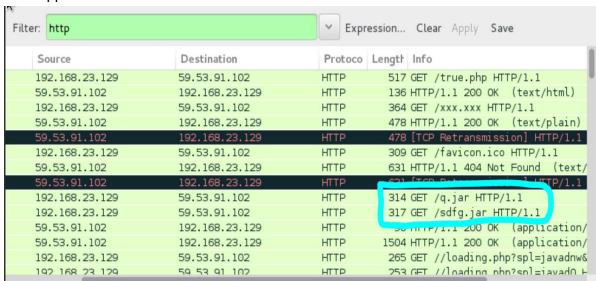
1. DNS



Two domains were resolved.

Nrjto.eu resolved to 59.53.91.102 Freeways.in resolved to 212.252.32.20

2. Java Applets



The two .jar files that implemented the applets are:

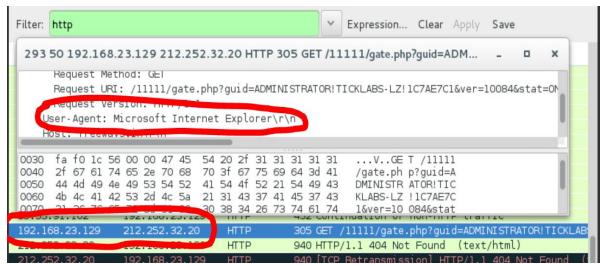
q.jar sdfg.jar

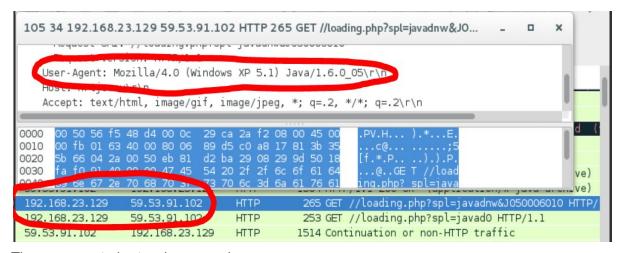
Malicious Executable MD5



MD5=5942ba36cf732097479c51986eee91ed

4. Browser





There seems to be two browsers in use:

Internet Explorer

Mozilla