

COMPUTER NETWORKS LAB  
INDUSTRY PROBLEM – MALWARE TRAFFIC ANALYSIS USING  
WIRESHARK  
REPORT

Team Member Names and SRNs:-

- |                       |               |
|-----------------------|---------------|
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The following questions have been answered after analyzing the wireshark capture when a web page with files that may contain malware were downloaded.

We extracted the files that were downloaded in the capture and then they were uploaded to a hash generator. This hash was then searched in the VirusTotal website to find out if the file was infected. The website shows the degree of malware content in the file with that hash.

Now if the file was malware free it was safe to assume that the website and the file is safe to use and load.

If on the other hand if the file is infected then we find the host name and host url of the website from which the file was extracted and also the source and destination IP Addresses along with the MAC Address of the host machine.

This method is used to analyse the traffic that may contain malware and prevent us from downloading these files to protect our systems from threats.

```
Activities Text Editor Apr 28 20:37
CN assignment.txt
~/Desktop
Save
1 Q.) What are the hashes of the file:
2
3 D276C86DCDBCDB6B74EE02496BC90D98-executable file undetected
4 7B3BAA7D68B3720F369219789E38D6AB-swf infected
5 1E34FDEBBF655CEBEA78B45E43520DDF-infected -java file
6
7 Q.) what is the url of the infected file:
8 Host: stand.trustandprobaterealty.com\r\n - java file
9
10 Q.) what is the IP Address of infected website?
11 Destination: 37.200.69.143 - java
12
13 Q.) what is the IP Address of infected machine?
14 Source: 172.16.165.165 - java
15
16 Q.) what is hostname of infected machine?
17 Host Name: K34EN6W3N-PC - java
18
19 Q.) what is mac address of infected machine?
20 Address: f0:19:af:02:9b:f1 - mac address java
21
Plain Text Tab Width: 8 Ln 21, Col 1 INS
```

Activities Firefox Web Browser Apr 28 20:37

Online MD5 Hash Generator x VirusTotal - File - e2e33b x +

https://www.virustotal.com/gui/file/e2e33b802a0d939d07bd8291f23484c2f68c

VIRUSTOTAL

SUMMARY DETECTION DETAILS COMMUNITY 10

34 security vendors and no sandboxes flagged this file as malicious

34 / 56

Community Score

Activities Firefox Web Browser Apr 28 20:36

Online MD5 Hash Generator x VirusTotal - File - ce5d1c x +

https://www.virustotal.com/gui/file/ce5d1c41f6ca739f6c69f175a8f688334df2e

VIRUSTOTAL

SUMMARY DETECTION DETAILS COMMUNITY

No security vendors and no sandboxes flagged this file as malicious

0 / 57

Community Score



