Week 4 Lab Assignment

CIT 217

Chaz Davis

BCTC

Spring 2020

February 6, 2020

Chapter 5 Questions

0.0.1

Run the `firewall-cmd --list-all` with the necessary priviledge escalation. Output Provided on Pg. 2 See Fig 1a

0.0.2

Switch user to root. Run the command `whoami`. Output Provided on Pg. 2 See Fig 1b

0.0.3

Add your BCTC credential as a user. Change the user's password. Provide the outpupt of the encrypted file including your user credential. Output Provided on Pg. 2 See Fig 1c

0.0.4

Change the password policy for your user credential to require a new password every 180 days. Output Provided on Pg. 2 See Fig 1d

0.0.5

Add a group named students with the GID of 50000. Add your user to the students group. Provide the output of the group file including the group and your user's membership. Output Provided on Pg. 2 See Fig 1e

```
[student@server1 ~]$ sudo firewall-cmd --list-all
[sudo] password for student:
public (default, active)
  interfaces: eth0
  sources:
  services: dhcpv6-client ssh
  ports:
  masquerade: no
  forward-ports:
  icmp-blocks:
  rich rules:

[student@server1 ~]$
```

(a) Output after running
firewall-cmd –list-all

```
[student@server1 ~]$ su -
Password:
Last login: Mon Dec 21 10:01:50 EST 2015 on pts/0
[root@server1 ~]# whoami
root
[root@server1 ~]#
```

(b) Output after running whoami as root

```
[root@server1 ~]# useradd cdavis0532
[root@server1 ~]# passwd cdavis0532
Changing password for user cdavis0532.
New password:
BAD PASSWORD: The password fails the dictionary check - it is based on a dictio
ary word
Retype new password:
passwd: all authentication tokens updated successfully.
[root@server1 ~]# tail -5 /etc/passwd
pulse:x:171:171:PulseAudio System Daemon:/var/run/pulse:/sbin/nologin
gdm:x:42:42::/var/lib/gdm:/sbin/nologin
gnome-initial-setup:x:993:991::/run/gnome-initial-setup/:/sbin/nologin
tcpdump:x:72:72::/:/sbin/nologin
cdavis0532:x:1001:1001::/home/cdavis0532:/bin/bash
[root@server1 ~]#
```

(c) encrypted password for my user

```
[root@server1 ~]# date -d "+180"
date: invalid date '+180'
[root@server1 ~]# date -d "+180 days"
Tue Aug  4 09:04:04 EDT 2020
[root@server1 ~]# chage -E 2020-08-04 cdavis0532
[root@server1 ~]#
```

(d) 180 day password policy

```
[root@server1 ~]# chage -E 2020-08-04 cdavis0532
[root@server1 ~]# groupadd -g 50000 students
[root@server1 ~]# usermod -G students cdavis0532
[root@server1 ~]# tail -5 /etc/group
stapdev:x:158:
tcpdump:x:72:
slocate:x:21:
cdavis0532:x:1001:
students:x:50000:cdavis0532
[root@server1 ~]#
```

(e) Membership of the students group.
with a 50000 GID

Figure 1: The Screenshots from Chapter 5

Chapter 6 Questions

0.0.6

Switch user to root. Create a file named for your last name.See Fig 2a on Pg. 3. Change the permissions of the file to forbid other users from accessing it. Provide the detailed list output of the directory. Output Provided on Pg. 3 See Fig 2b

0.0.7

Add your BCTC credential as a user. Switch user to your credential. Create a file named test1. Change your umask to 027. Create a file named test2. Provide the detailed list output of the directory. Output Provided on Pg. 3 See Fig 2c

(a) Detailed list view after creating the file davis

(b) Detailed List after changing file permissions

(c) test1 and test2 files with their umasks updated

Figure 2: The Screenshots from Chapter 6