

Name:

Final Skill Assessment fall 2018

Note: You can use one (two sides) 8.5x11" paper of commands, you can't use Canvas curriculum or NDG curriculum during the exam. Don't talk to your neighbor during the exam. Use CentOS7-Final-XX VM. Keep other VM shutdown.

IT 231 fall 2018 Final Part II Mod 4 (Ch10-Ch13), Mod 6 (Ch17-Ch19)

Use root only if you can't perform the task from the final user.

Create final using the following commands from root:

```
useradd -c "Your Name" final
```

```
passwd final
```

```
abc123
```

Logout and login as final, perform the final Skill Assessment from final or root.

P1. gnupg2 package is already installed (`rpm -q gnupg2`) if not install it (`yum install gnupg2`). Generate a key pair using the following parameter: RSA, 1024 bits, final user, final@localhost. Use abc123 as passphrase. Display the generated keys, take a screen shot and save it in a file called P1. Create a text file and name it fall8.txt, the content of the file is your full name. Encrypt the file. Display the content of the encrypted file, take a screen shot and save it in a file called P1A.

P2. Using symbolic link, set the local time to Europe/Madrid. Take a screen shot of your configuration and save it in a file, name the file P2. Display the new time, take a screenshot and save it using a filename P2A.

P3. Configure authpriv.info to send the log to /var/log/fall\_18.txt. Take a screen shot of your configuration and save it in a file called P3. Restart the service, then test your configuration using the logger command with "This is the Final exam Fall 18". Display the content of fall\_18.txt, take a screen shot and save it in a file called P3A.

P4. Using cups, add a printer, use your name in the printer description. Set the printer as server default, take a screen shot of your configuration, save it in file called P4, print test page. Submit the test page with your test paper. The ip address for the printer is 10.23.16.142, the printer is HP Laser Jet P4515tn . User: root, password: password, Printer Name: HP-P4515tn, Description: Your Name, Location: RC-346

P5. Configure the sudoer file to give final permission to use the commands useradd and passwd. Take a screenshot of your configuration and save it in a file called P5. Exit root to final, use sudo and useradd to add user3, use sudo and passwd to set the password to abc123. Take a screenshot and save it using file name P5A.

P6. If it is not installed, install xinetd, telnet-server, telnet packages, then start the xinetd service. Configure xinetd to enable telnet service (file shown below ). Take a screen shot of your configuration and save it in a file called P6. Restart the xinetd service. Use netstat to show port 23/telnet is open, take a screenshot showing port 23/telnet, save it to a file P6B. From final telnet to your host dhcp ip address using telnet 10.51.96.XX (xx represents part of your IP address ). Enter final & abc123, take a screen shot of your connection and save it in a file called P6A. Exit from telnet.

P7. Install nmap if it is not already installed, scan (both TCP and UDP) the printer (10.23.16.142) to find which ports related to the printer is open. Take a screen shot of the scan and save it to a file called P7. Why port 631 did not show up.

Submit your screen shots (P1-P7) to the Final exam drop box.

The telnet file is shown below: It can be added to the configuration file, or saved as a file to a specific directory.

```
service telnet
{
    disable = no
    flags = REUSE wa
    socket_type = stream
    user = root
    wait = no
    server = /usr/sbin/in.telnetd
    #only_from = 127.0.0.1 192.168.12.0/24 #no_access = 192.168.12.11
    #access_time = 17:30-19:30
    log_on_failure += USERID
}
```