

“Challenge” Hands On Lab 2

Score x/25

This is a timed challenge. You have 15 minutes.

Screenshots made after 15 minute = 2 point deduction for each minute or partial minute over 15 minutes

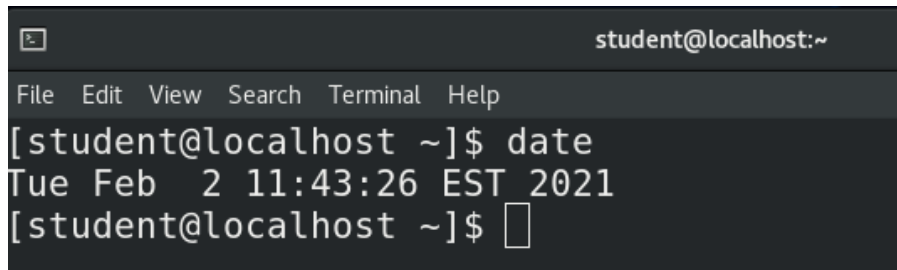
Make a reservation on the Redhat Admin I pod, log in to the KIOSK (password= redhat)

Start the workstation virtual machine: **rht-vmctl start workstation**

After the workstation is up and running you can ssh to the work station (it may take a minute or two):
ssh workstation

Open a terminal window and type: **date**

Use the Netlab screenshot option and take a screenshot



```
student@localhost:~  
File Edit View Search Terminal Help  
[student@localhost ~]$ date  
Tue Feb  2 11:43:26 EST 2021  
[student@localhost ~]$
```

This is your start time. Your 15 minutes starts now

1. Check to determine your present working directory.

1 point

2. Review how **man** pages work and search for the pattern “*short description*” within the man pages.

1 point

3. Read both **man passwd** and **man 5 passwd** and determine the file location of the **passwd** file **passwd** file (NOT the changing password command, the **passwd** file. It will look like the image on the right)

2 points

DESCRIPTION

Passwd is a text file, that contains a list of the system's accounts, giving for each account some useful information like user ID, group ID, home directory, shell, etc. Often, it also contains the encrypted passwords for each account. It should have general read permission (many utilities, like `ls(1)` use it to map user IDs to usernames), but write access only for the superuser.

4. From your present working directory, copy the **passwd** file to your current directory

10 points if you use a relative path

5 points if you use an absolute path

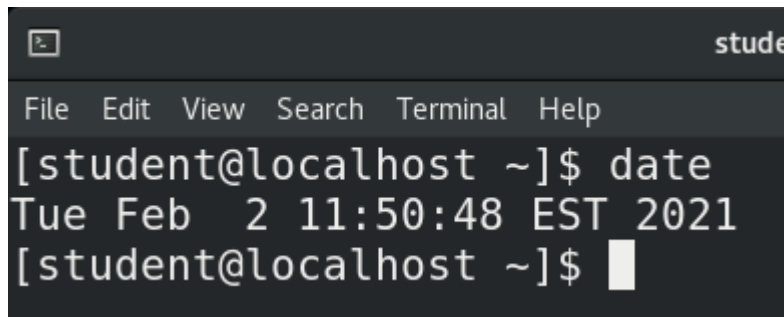
3 points if you get a copy of the file to your home directory

Take a screenshot from within netlabs showing the **passwd** file in your home directory

5. Use the command that displays the first few lines of a file and the correct option to change to default number of lines from 10 to only the first 5 lines of the **passwd** file
2 points
6. Use the command that displays the last few lines of a file and the correct option to change to default number of lines from 10 to only the last 5 lines of the **passwd** file
2 points
7. Run **wc passwd** (if you were not able to correctly copy the file to your home directory run **wc /etc/passwd**)
1 point
½ point if running wc /etc/passwd
8. View the man page for the **wc** command and determine which flag to use to display only the number of lines in a file
1 point
9. Run the command again but with the correct flag to only show the number of lines in the file to the screen
1 point
10. Run the command again but instead of sending the result to the screen, send the results to a file called "**number_of_system_accounts**"
1 point
11. In the **/tmp** directory, create a directory called **Challenge_Lab_2**
1 point
12. From the **Challenge_Lab_2** directory, create a soft link to **number_of_system_accounts** inside the **Challenge_Lab_2** directory called **soft_number** and a hard link to **number_of_system_accounts** called **hard_number**
2 points (1 point each)

Type: **date**

Use the Netlab screenshot option and take a screenshot



```
stude
File Edit View Search Terminal Help
[student@localhost ~]$ date
Tue Feb 2 11:50:48 EST 2021
[student@localhost ~]$
```

This is your finish time

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Run the **history|less** command and take screenshots of each screen

Submit your reservation number to Bb