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CTS-120-841-Lab Module 6

- In this lab you will enter different Linux commands and answer questions about the results.
- Include a screen print of **just the area of the screen with the desired result** (not the whole screen) in the table cell below the question, unless otherwise instructed.
 - *Reminder: Use the **Shift-Ctrl-Prtscr shortcut** & select just the area that you want.*
- The lab is worth a total of 10 points – some questions have multiple sections

Preparation:

Before you begin the lab, we will need to set up a few groups and accounts.

- Create the following groups on your system: **Orioles, Nationals** and **Redskins**.
- Once you are complete, verify you have added these accounts successfully by viewing the **/etc/group** file.
- Create the following users on the system:

Be sure to **include their full name as a comment** in their user account.

Username	Name
ajones	Adam Jones
cdavis	Chris Davis
pstroop	Pedro Stroop
nmccloth	Nate McClouth
bharper	Bryce Harper
sstrasburg	Stephen Strasburg
ggonzalez	Gio Gonzalez
jjohnson	Jim Johnson

Once you are complete, verify you have added these accounts successfully by viewing the **/etc/passwd** file.

d. Assign the following passwords for the user account.

Username	Password
ajones	baseball
cdavis	newdad!
pstroop	mound
nmccloth	coolguy
bharper	clown
sstrasburg	#1pitcher
ggonzalez	hardball
jjohnson	pitcher

e. Add each user to their appropriate group

Name	Group
Adam Jones	Orioles
Chris Davis	Orioles
Pedro Stroop	Orioles
Nate McClouth	Orioles
Bryce Harper	Nationals
Stephen Strasburg	Nationals
Gio Gonzalez	Nationals
Jim Johnson	Orioles

Place a screen shot of the /etc/group file. Just show me the new groups; they should be at the bottom of the file.		1 Pt
Command:	[student@localhost ~]\$ tail /etc/group	
Screenprint:	Orioles:x:1002: Nationals:x:1003:	

	Redskins:x:1004: [student@localhost ~]\$
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1. Place a screen shot of the /etc/passwd file. Just show me the new users; they should be at the bottom of the file.		1 Pt
Command:	[student@localhost ~]\$ tail /etc/passwd	
Screenprint:	ajones:x:1002:1005:Adam Jones:/home/ajones:/bin/bash cdavis:x:1003:1006:Chris Davis:/home/cdavis:/bin/bash pstroop:x:1004:1007:Pedro Stroop:/home/pstroop:/bin/bash nmccloth:x:1005:1008:Nate McClouth:/home/nmccloth:/bin/bash bharper:x:1006:1009:Bryce Harper:/home/bharper:/bin/bash sstrsburg:x:1007:1010:Stephen Strasburg:/home/ssstrasburg:/bin/bash ggonzalez:x:1008:1011:Gio Gonzalez:/home/ggonzalez:/bin/bash jjohnson:x:1009:1012:Jim Johnson:/home/jjohnson:/bin/bash [student@localhost ~]\$	

What are the Group Numbers of: (no points just to make it easier to keep track)	
Orioles	1002
Nationals	1003
Redskins	1004

You were just informed that Nate McClouth has been traded to the Nationals. Move his user account from the Orioles group to the Nationals group.		1 Pt
2. Show the command you used, & the etc/passwd and etc/group files to verify that your change was successful.		
Command:	User sudo usermod -a -G Nationals mcclouth but ended up with in both the orioles and natioals. I should have used sudo usermod -a Nationals mcclouth to switch him from group to group Stack overflow advised he best way to fix this was to edit the file contents.	
Screenprint:	Orioles:x:1002:ajones,cdavis,jjohnson,pstroop,nmccloth Nationals:x:1003:bharper,ssstrasburg,ggonzalez,nmccloth	

Oh no, you have just been informed that Chris Davis's account needs to be deactivated until further notice. Lock (or disable) Chris Davis's account on the system.		1 Pt
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3. Show the command you used, & the etc/shadow file to verify that your change was successful.	
Command:	<code>[student@localhost ~]\$ sudo usermod -L cdavis</code>
Screenprint:	<pre>[student@localhost ~]\$ sudo usermod -L cdavis [student@localhost ~]\$ sudo grep -E --color 'cdavis' /etc/shadow cdavis:!!\$6\$6onqmOF5\$ZNVkRhHFBzZ0t9PGLohlitYN5RynWmkZ1Kjv0xuAvr.S3gM/zyMJGsElOiszlPVFng7BaZYa3sD8ajRLL94A/:17965:0:99999:7::: [student@localhost ~]\$</pre>

<p>You just realize that there is a group named Redskins on the system that is not necessary. Delete this extra group.</p> <p>4. Show the command you used, & the etc/group file to verify that your change was successful.</p>		1 Pt
Command:	<pre>[student@localhost ~]\$ sudo groupdel Redskins [sudo] password for student:</pre>	
Screenprint:	<pre>Orioles:x:1002:ajones,cdavis,jjohnson,pstroop,nmcclouth Nationals:x:1003:bharper,sstrasburg,ggonzalez,nmcclouth ajones:x:1005: cdavis:x:1006: pstroop:x:1007: nmcclouth:x:1008: bharper:x:1009: sstrasburg:x:1010: ggonzalez:x:1011: jjohnson:x:1012:</pre>	

<p>You have just been informed that Pedro Stroop no longer plays for the Orioles or Nationals. Since his account is no longer needed, remove it from your system (Be sure to remove his home directory as well).</p> <p>5. Show the command you used, & the etc/passwd and a list of the files in the home directory to verify that your change was successful.</p>		1 Pt
Command:	<pre>student@localhost ~]\$ sudo userdel -r pstroop [sudo] password for student:</pre>	
Screenprint:	<pre>ajones:x:1002:1005:Adam Jones:/home/ajones:/bin/bash cdavis:x:1003:1006:Chris Davis:/home/cdavis:/bin/bash nmcclouth:x:1005:1008:Nate McClouth:/home/nmcclouth:/bin/bash bharper:x:1006:1009:Bryce Harper:/home/bharper:/bin/bash</pre>	

	sstrasburg:x:1007:1010:Stephen Strasburg:/home/sstrasburg:/bin/bash ggonzalez:x:1008:1011:Gio Gonzalez:/home/ggonzalez:/bin/bash jjohnson:x:1009:1012:Jim Johnson:/home/jjohnson:/bin/bash [student@localhost ~]\$ ^C
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Your manager has informed you that Chris Davis is back and his account can be reinstated. Unlock Chris Davis's account so that he is able to log into the system. Attempt to log into Chris Davis's account. Verify that you have successfully unlocked it. 6. Show the command you used, & the etc/shadow file verify that your change was successful.	1 Pt
Command:	
Screenprint:	

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student@localhost ~]$ sudo usermod -U cdavis  
[student@localhost ~]$ sudo grep -E --color 'cdavis' /etc/shadow  
cdavis:$6$6onqmOF5$ZNVkRhHFBzZ0t9PGLohlitYN5RynWmkZ1Kjv0xuAvr.S3gM/zyMJGsEI0iszlPVFng7BaZYa3sD8ajRLL94A/:17965:0:99999:7:::  
[student@localhost ~]$  
Check that password works  
student@localhost ~]$ su cdavis  
Password:  
[cdavis@localhost student]$
```

Human Resources have informed you that Bryce Harper has officially changed his name to Bryce Clown. Perform the following tasks to his account: a) Rename his user account to bclown b) Change his name in the comment field to be Bryce Clown c) Change his home directory to /home/bclown (be sure that the contents of his old home directory move to this new location) 7. Show the following to verify that your change was successful. <ul style="list-style-type: none">• The command(s) you used• The etc/passwd file• A list of the files in the home directory• Use the ID command to show the groups that the new user is a part of• Note be sure that you are in the /home directory when you run the command• Refer to the slides from class	1 Pt

Command:	<pre>[student@localhost ~]\$ sudo usermod -d bclown bclown (because I changed things out of order) First I used \$ sudo usermod -c to change the comment to Bryce Clown Then I used \$ sudo usermod -l to change the user name Finally I used usermod -d to change the home directory</pre>
Screenprints:	<pre>[student@localhost ~]\$ sudo usermod -d bclown bclown [student@localhost ~]\$ grep -E --color "bclown" /etc/passwd bclown:x:1006:1009:Bryce Clown:bclown:/bin/bash</pre>

<p>Gio Gonzalez just called you. He has forgotten his password. Reset his password to p@ssword</p> <p>If you want more of a challenge, require that he reset his password the next time he logs in as well. Then try to log into this account and see if you were successful</p> <p>8. Just show the command you used</p>		1 Pt
Command:	<pre>[student@localhost ~]\$ sudo passwd ggonzalez [sudo] password for student: Changing password for user ggonzalez. New password: BAD PASSWORD: The password fails the dictionary check - it is based on a dictionary word Retype new password: passwd: all authentication tokens updated successfully. [student@localhost ~]\$ sudo chage -d 0 ggonzalez [student@localhost ~]\$</pre>	

<p>The manager informed you that Jim Johnson was released from the Orioles but might re-hire him.</p> <p>You do not want him to have access to the Orioles resources during this time of transition.</p> <p>Remove him from the Orioles group, and lock his account</p> <p>9. Show the command(s) you used, & the etc/passwd, the /etc/group file, and /etc/shadow file to verify that your change was successful.</p>		1 Pt
Command:	<pre>student@localhost ~]\$ sudo userdel -r jjohnson [student@localhost ~]\$ cat /etc/passwd (STILL HAVE NMCCLOUDH LISTED IN BOTH GROUPS)</pre>	
Screenprint:	<pre>Passwd file --- ajones:x:1002:1005:Adam Jones:/home/ajones:/bin/bash cdavis:x:1003:1006:Chris Davis:/home/cdavis:/bin/bash</pre>	

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nmccloth:x:1005:1008:Nate McClouth:/home/nmccloth:/bin/bash
sstrsburg:x:1007:1010:Stephen Strasburg:/home/ssstrasburg:/bin/bash
ggonzalez:x:1008:1011:Gio Gonzalez:/home/ggonzalez:/bin/bash
bclown:x:1006:1009:Bryce Clown:bclown:/bin/bash
/etc/group
Orioles:x:1002:ajones,cdavis,nmccloth
Nationals:x:1003:ssstrasburg,ggonzalez,nmccloth,bclown
ajones:x:1005:
cdavis:x:1006:
nmccloth:x:1008:
bharper:x:1009:
sstrsburg:x:1010:
ggonzalez:x:1011:
[student@localhost ~]$
/etc/shadow
ajones:$6$S5mss7tp$m/r4RAZX8qVvNWVS/x/7FhLtuKnSymiE69.a4qsDABC.o1SZSVtzsWm.sd8rkuSXQ4VrW.Yp.HoDfAJz6X1e60:17965:0:99999:7:::
cdavis:$6$6onqmOF5$ZNVkRhHFBzZ0t9PGILOhlitYN5RynWmkZ1Kjv0xuAvr.S3gM/zyMJGsElOiszlPVFng7BaZYa3sD8ajRLL94A/:17965:0:99999:7:::
nmccloth:$6$5vmzKvk5$6mIgxALA1GIXn7BFZkvY4oB8H/OYvJ7/YSEOD/4OSwzOvG4DkEujdlDsDZbaBdfk2z0tYi6EaOmjeYBFIZHac0:17965:0:99999:7:::
sstrsburg:$6$yLQx3MJB$Bdsc6GipxDaV5uLmlcLLpolezsMpy2/2GNBiWR8Tk9eE1GM1eg1IMd9qeiMAhEHP.gpC6x2fLk.mPLnL0TwP1:17965:0:99999:7:::
ggonzalez:$6$.42ylxIR$HzRb2tOfLVXlgYCjeNCT/gPvexl6fqAPTvq2BopwS6DeSE9PDqo/j4QkTZFb3nJ2NqqF1AgtK3PO7sr5JKFq1:0:0:99999:7:::
bclown:$6$t8iSI/qc$6pv0Z6gQpQUIQV0of0A9eQljQwxRye645/YHPqybteEnjGBnkVsg/nAUYTHAHbAVa793.4z12CiYNKBzFPS4e.:17965:0:99999:7:::
[student@localhost ~]$
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