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Assignment No. 5

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 Using putty, login as a regular user  
*[pszajt@centos2020 ~]$*

 View the current user and group information and display the current working directory. Also view the environment variables that specify the user's home directory and the locations of the user's executables.  
*[pszajt@centos2020 ~]$ id  
uid=1000(pszajt) gid=1000(pszajt) groups=1000(pszajt) context=unconfined\_u:unconfined\_r:unconfined\_t:s0-s0:c0.c1023  
[pszajt@centos2020 ~] $ env  
\_=\*27551\*/bin/env  
HISTCONTROL=ignoredups  
HISTSIZE=1000  
HOME=/home/pszajt  
HOSTNAME=centos2020  
LANG=en\_US.UTF-8  
MAIL=/var/spool/mail/pszajt  
PATH=/usr/local/bin:/bin:/usr/bin:/usr/local/sbin:/usr/sbin  
PWD=/home/pszajt  
SHELL=/bin/ksh  
SHLVL=1  
TERM=xterm  
USER=pszajt*Run **pwd** to display the current working directory.  
*[pszajt@centos2020 ~]$ pwd  
/home/pszajt*

 Print the values of the **HOME** and **PATH** variables to determine the home directory and user executables' path, respectively  
*[pszajt@centos2020 ~]$ echo $HOME  
/home/pszajt  
[pszajt@centos2020 ~]$ echo $PATH  
/usr/local/bin:/bin:/usr/bin:/usr/local/sbin:/usr/sbin:/home/pszajt/.local/bin:/home/pszajt/bin*

 As regular user, attempt to view the last five lines of **/var/log/messages**  
*[pszajt@centos2020 ~]$ tail -5 /var/log/messages  
tail: cannot open ‘/var/log/messages’ for reading: Permission denied*You should NOT have permission to read /var/log/messages file as a regular user.

 Using putty, login to a second terminal session as root.  
*[root@centos2020 ~]#*

 Run id to view the current user and group information.  
*soot@centos2020 ~]# id  
uid=0(root) gid=0(root) groups=0(root) context=unconfined\_u:unconfined\_r:unconfined\_t:s0-s0:c0.c1023*

 Run **pwd** to display the current working directory.  
*soot@centos2020 ~]# pwd*/root

 Print the values of the **HOME** and **PATH** variables to determine the home directory and user executables' path, respectively.  
*sh-4.2# echo $HOME  
root@centos2020 ~]# echo $HOME  
/root  
[root@centos2020 ~]# echo $PATH  
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/root/bin*

 As root attempt to view the last five lines of **/var/log/messages**  
*[root@centos20220 ~]# tail -5 /var/log/messages  
Apr 17 16:26:27 centos2022 systemd: Started Session 1 of user root.  
Apr 17 16:26:27 centos2022 systemd-logind: New session 1 of user root.  
Apr 17 16:34:24 centos2022 chronyd[711]: Selected source 158.69.248.26  
Apr 17 16:41:05 centos2022 systemd: Starting Cleanup of Temporary Directories...  
Apr 17 16:41:06 centos2022 systemd: Started Cleanup of Temporary Directories.*You SHOULD have permission to read /var/log/messages file as a regular user.

 *Create a new userid called lmessi   
[root@centos2020 ~]# useradd lmessi*

 *Check userid and group   
[root@centos2020 ~]# id lmessi  
uid=1002(lmessi) gid=1002(lmessi) groups=1002(lmessi)  
[root@centos2020 ~]# grep lmessi /etc/passwd  
lmessi:x:1002:1002::/home/lmessi:/bin/bash  
[root@centos2020 ~]# grep lmessi /etc/group  
lmessi:x:1002:*

 *Assign lmessi a password  
[root@centos2020 ~]# passwd lmessi  
Changing password for user lmessi.  
New password:  
BAD PASSWORD: The password is shorter than 8 characters  
Retype new password:  
passwd: all authentication tokens updated successfully.*

 *Change lmessi expiration date to your next birthday  
[root@centos2020 ~]# chage -E 20210603 lmessi*

 *Add a new group Barcelona and add it to lmessi userid as a supplementary group  
[root@centos2020 ~]# groupadd barcelona  
[root@centos2020 ~]# usermod -G barcelona lmessi  
[root@centos2020 ~]# id lmessi  
uid=1002(lmessi) gid=1002(lmessi) groups=1002(lmessi),1003(barcelona)*

 *Check /home directory and remove user lmessi including his homedirectory  
[root@centos2022 ~]# ls /home  
lmessi pszajt test  
[root@centos2022 ~]# userdel -r lmessi  
[root@centos2022 ~]# ls /home  
pszajt test*

 *Remove barcelona group  
[root@centos2020 ~]# groupdel barcelona*













































