# Old Dominion University CYSE 270 Linux System for Cybersecurity

## Assignment #4 Group and User Accounts

Chris Evans 01206431

#### **TASK A- User Account Management**



I opened the terminal in Ubuntu VM and used command "grep cyse301 /etc/passwd" to show the password file that contains the users name, password with and X placeholder, the UID, the users primary group, the home directory, and the users bin/bash login shell.





To display user password information including encrypted password and password age I used command "Sudo grep cyse301 /etc/shadow "Sudo gives the command the ability to run with root authority, while not signing into a root or authorized user account. Grep searched through text of cuse301 for the /etc/shadow file which has the password encrypted, days since last changed, min days eft before allowed to change, max number of days pass is valid, warn, and expire days.

#### 😣 🚍 🗊 cyse301@ubuntu: ~

```
hplip:x:122:7:HPLIP system user,,,:/var/run/hplip:/bin/false
cyse301:x:1000:1000:CYSE Student,,,:/home/cyse301:/bin/bash
ftp:x:123:133:ftp daemon,,,:/srv/ftp:/bin/false
cyse301@ubuntu:~$ sudo useradd 01206431 -d /home/01206431
[sudo] password for cyse301:
cyse301@ubuntu:~$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-timesync:x:100:102:systemd Time Synchronization,,,:/run/systemd:/bin/false
systemd-network:x:101:103:systemd Network Management,,,:/run/systemd/netif:/bin/false
systemd-resolve:x:102:104:systemd Resolver,,,:/run/systemd/resolve:/bin/false
systemd-bus-proxy:x:103:105:systemd Bus Proxy,,,:/run/systemd:/bin/false
syslog:x:104:108::/home/syslog:/bin/false
_apt:x:105:65534::/nonexistent:/bin/false
messagebus:x:106:109::/var/run/dbus:/bin/false
usermetrics:x:107:111:User Metrics:/var/lib/usermetrics:/bin/false
uuidd:x:108:113::/run/uuidd:/bin/false
rtkit:x:109:114:RealtimeKit,,,:/proc:/bin/false
avahi-autoipd:x:110:115:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/bin/false
usbmux:x:111:46:usbmux daemon,,,:/var/lib/usbmux:/bin/false
lightdm:x:112:118:Light Display Manager:/var/lib/lightdm:/bin/false
whoopsie:x:113:122::/nonexistent:/bin/false
geoclue:x:114:123::/var/lib/geoclue:/bin/false
kernoops:x:115:65534:Kernel Oops Tracking Daemon,,,:/:/bin/false
speech-dispatcher:x:116:29:Speech Dispatcher,,,:/var/run/speech-dispatcher:/bin/false
nm-openvpn:x:117:124:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/bin/false
avahi:x:118:125:Avahi mDNS daemon,,,:/var/run/avahi-daemon:/bin/false
pulse:x:119:126:PulseAudio daemon,,,:/var/run/pulse:/bin/false
colord:x:120:129:colord colour management daemon,,,:/var/lib/colord:/bin/false
saned:x:121:130::/var/lib/saned:/bin/false
hplip:x:122:7:HPLIP system user,,,:/var/run/hplip:/bin/false
cyse301:x:1000:1000:CYSE Student,,,:/home/cyse301:/bin/bash
ftp:x:123:133:ftp daemon,,,:/srv/ftp:/bin/false
01206431:x:1001:1001::/home/01206431:
cyse301@ubuntu:~$
```

To create a new user with the name of my ODU ID, 01206431 is used command, "sudo useradd 01206431 -d /home/01206431" the modifier -d tells it to add the home folder directory of /home/01206431.

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rwxr-xr-x	_ <u>2</u>	root	root		4090	Aug	24	2017	Din							
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rwxr-xr-x	18	root	root		3900	Feb	9	18:20	dev							
FWXF-XF-X	134	root	root		12288	reb		19:14	etc							
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FWXF-XF-X		root	FOOT		4030	Aug	24	2017	opt							
r-xr-xr-x	242	root	FOOL		1004	reo		18:20	proc							
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FWXF-XF-X		root	root		13300	reo	74	18:31	run							
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To set a password for the new user I used command "sudo passwd 01206431 "Sudo gives root power to create a password using passwd for user 01206431. Then I enter the new password twice and it successfully updated the password.

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total 97008	10							
drwxr-xr-x	24	root	root	4096	Aug	24	2017	
drwxr-xr-x	24	root	root	4096	Aug	24	2017	
drwxr-xr-x	2	root	root	4096	Aug	24	2017	bin
drwxr-xr-x	3	root	root	4096	Sep	18	2017	boot
drwxrwxr-x	2	root	root	4096	Aug	24	2017	cdrom
drwxr-xr-x	18	root	root	3960	Feb	6	18:26	dev
drwxr-xr-x	134	root	root	12288	Feb	6	19:14	etc
drwxr-xr-x	3	root	root	4096	Aug	24	2017	hone
lrwxrwxrwx	1	root	root	33	Aug	24	2017	<pre>initrd.ing -&gt; boot/initrd.img-4.10.0-19-generic</pre>
drwxr-xr-x	22	root	root	4096	Aug	24	2817	LID
drwxr-xr-x	2	root	root	4096	Арг	11	2017	lib64
drwx	2	root	root	16384	Aug	24	2017	lost+found
drwxr-xr-x	4	root	root	4096	Sep	15	2017	media
drwxr-xr-x	3	root	root	4096	Sep	15	2017	mnt
drwxr-xr-x	2	root	root	4096	Aug	24	2017	opt
dr-xr-xr-x	242	root	root	0	Feb	6	18:26	proc
drwx	3	root	root	4096	Apr	11	2017	root
drwxr-xr-x	27	root	root	820	Feb	6	18:31	run
drwxr-xr-x	2	root	root	12288	Aug	24	2017	sbin
drwxr-xr-x	2	root	root	4096	Арг	6	2017	snap
drwxr-xr-x	3	root	root	4096	Aug	24	2017	srv
- FW	1	root	root	993244160	Aug	24	2017	swapfile
dr-xr-xr-x	13	root	root	0	Feb	6	18:26	sys
drwxrwxrwt	14	root	root	4096	Feb	6	19:17	
drwxr-xr-x	11	root	root	4096	Apr	11	2017	usr
drwxr-xr-x	14	root	root	4096	Apr	11	2017	var
LINXIWXIWX	1	FOOT	root	30	Aug	24	2017	vmlinuz -> boot/vmlinuz-4.10.0-19-generic
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I set the bash shell as the default login shell for the new user by using command, "sudo usermod -s /bin/bash 01206431 " This uses sudo for authority, usermod to change user characteristics, -s to specify shells are option being changed, and /bin/bash as the change to make.

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drwx	2 root	root	16384	Aug	24	2017	lost+found	
drwxr-xr-x	4 root	root	4096	Sep	15	2017	media	
drwxr-xr-x	3 root	root	4096	Sep	15	2017	mnt	
drwxr-xr-x	2 root	root	4096	Aug	24	2017	opt	
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drwxr-xr-x	27 root	root	820	Feb	6	18:31	run	
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drwxr-xr-x	2 root	root	4096	Арг	6	2017	snap	
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- rw	1 root	root	993244160	Aug	24	2017	swapfile	
dr-xr-xr-x	13 root	root	0	Feb	6	18:26	sys	
drwxrwxrwt	14 root	root	4096	Feb	6	19:17	tinp	
drwxr-xr-x	11 root	root	4096	Apr	11	2017	USF	
drwxr-xr-x	14 root	root	4096	Арг	11	2017	var	
LINXIWXIWX	1 root	root	30	Aug	24	2017	vmlinuz ->	boot/vmlinuz-4.10.0-19-generic
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The command to display user password information like encrypted password and user aging with grep is , " sudo grep 01206431 /etc/shadow " This uses sudo authority, grep to search users 01206431 for the /etc/shadow file and then display its contents. The contents show again encrypted password and age information of the user and password.

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<pre>drwxr-xr-x 27 root root 820 Feb 6 18:31 run drwxr-xr-x 2 root root 12288 Aug 24 2017 shun drwxr-xr-x 3 root root 4096 Aug 24 2017 sru drwxr-xr-x 3 root root 90 Aug 24 2017 sru drwxr-xr-x 1 root root 90 Aug 24 2017 swapfile drwxr-xr-x 1 root root 90 Feb 6 18:26 sys drwxr-xr-x 11 root root 4096 Apr 11 2017 usr drwxr-xr-x 11 root root 4096 Apr 11 2017 usr drwxr-xr-x 11 root root 4096 Apr 11 2017 usr drwxr-xr-x 11 root root 30 Aug 24 2017 var drwxr-xr-x 11 root root 30 Aug 24 2017 var drwxr-xr-x 11 root root 30 Aug 24 2017 var drwxr-xr-x 14 root root 50 Aug 24 2017 var drwxr-xr-x 14 root root 4096 Apr 11 2017 usr drwxr-xr-x 14 root root 4096 Apr 11 2017 usr drwxr-xr-x 14 root root 50 Aug 24 2017 var drwxr-xr-x 14 root root 50 Aug 24 2017 var drwxr-xr-x 15 sudo zermod -s /bin/bash 01206431 usernod: cannot lock /etc/passwd; try again later. cyse301gubuntu;/5 user 01206431 /etc/passwd 01206431:x:1001:1001::/home/01206431:/bin/bash 01206431:x:1001:1001::/home/01206431:/bin/bash cyse301gubuntu;/5 grep 01206431 /etc/shadow sudo: 01206431: command not found cyse301gubuntu;/5 grep 01206431 /etc/shadow 01206431:S65dUb4evxtSvLWzb.xodPQDaqJMAAQraPB65/Y8IKniqntAiBiFw0lxFLJHK7BxkWn0zHQSe6cOIMFvjD254GSAR 0258W8001:9030:0:99999:7::: cyse301gubuntu;/5 Id uld=1000(cyse301) gid=1000(cyse301) groups=1000(01206431) cyse301gubuntu;/5 Id 01226431 urd=1001(01206431) gid=1000(cyse301) groups=1001(01206431) cyse301gubuntu;/5 Id 01206431 urd=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301gubuntu;/5 udo usernod - 6 sudo - a 01206431 urd=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo</pre>	drwx	3 root root	4096	Apr 11	2017	root
drwxr-xr-x 2 root root 12288 Aug 24 2017 sbin drwxr-xr-x 2 root root 14096 Apr 6 2017 snap drwxr-xr-x 3 root root 4096 Apr 24 2017 srv -rw 1 root root 99324106 Aug 24 2017 swapfile dr-xr-xr-x 13 root root 0 6 Feb 6 18:26 sys drwxr+xr+x 14 root root 4096 Apr 11 2017 var drwxr-xr-x 11 root root 30 Aug 24 2017 vmlinuz -> boot/vmlinuz-4.10.0-19-generic (yes301gubuntu;/S sudo passwd 01206431 Enter new UNIX password: Retype new Difference new Password: retype new Difference new Password: retype new Difference new Difference new Password: retype new Difference new Differ	drwxr-xr-x	27 root root	820	Feb 6	18:31	run.
<pre>drwxr-xr-x 2 root root 4096 Aug 24 2017 snap drwxr-xr-x 3 root root 4096 Aug 24 2017 srv -rw 1 root root 993244160 Aug 24 2017 swapfile drwxrwxr 1 a root root 993244160 Aug 24 2017 swapfile drwxrwxr 1 a root root 4096 Apr 11 2017 usr drwxr-xr-x 11 root root 4096 Apr 11 2017 var drwxr-xr-x 11 root root 4096 Apr 11 2017 var drwxr-xr-x 11 root root 30 Aug 24 2017 vmlinuz -&gt; boot/vmlinuz-4.10.0-19-generic cyse301gubuntu;/S sudo passwd 01206431 Enter new UNIX password: Passwd: password updated successfully cyse301gubuntu;/S usernod -s /bin/bash 01206431 usernod: Permission denied. usernod: cannot lock /etc/passwd; try again later. cyse301gubuntu;/S grep 01206431 /etc/passwd 01206431 /etc/passwd sudo: /etc/shadow: command not found cyse301gubuntu;/S sudo jetc/shadow sudo: /etc/shadow: command not found cyse301gubuntu;/S sudo grep 01206431 /etc/shadow sudo: 01206431: command not found cyse301gubuntu;/S sudo grep 01206431 /etc/shadow j206431: sodi dieuxi(Syudo QuagJMAAQraPB6j/YBIKniqntAtBiFw0lxFLJHK7BxkWn02HQSe6cOIMFvj0254GSAR 0GSXBv80:19030:0:99999:7::: cyse301gubuntu;/S id 01206431 /etc/shadow idd=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adn),24(cdron),27(sudo),30(dip),46(plugd ev),121(lpadmin),131(sapbashare),132(wireshark) cyse301gubuntu;/S id 01206431 groups=1001(01206431) cyse301gubuntu;/S id 01206431 groups=1001(01206431) cyse301gubuntu;/S id 01206431 groups=1001(01206431) uid=1001(01206431) gid=1001(01206431) uid=1001(01206431) gid=1001(01206431) uid=1001(01206431) gid=1001(01206431) uid=1001(01206431) gid=1001(01206431) uid=1001(01206431) gid=1001(01206431) groups=1001(01206431)</pre>	drwxr-xr-x	2 root root	12288	Aug 24	2017	sbin
<pre>drwxr-xr-x 3 root root 4006 Aug 24 2017 srv rw 1 root root 993244166 Aug 24 2017 swapfile drwxr-xr-x 13 root root 4096 Apr 11 2017 usr drwxr-xr-x 11 root root 30 Aug 24 2017 vmlinuz -&gt; boot/vmlinuz-4.10.0-19-generic Cyse301@ubuntu;5 sudo passwd 01206431 Enter new UNIX password: passwd: password updated successfully cyse301@ubuntu;5 sude root s/bh/bash 01206431 usernod: cannot lock /etc/passwd; try again later. cyse301@ubuntu;5 sudo period cyse301@ubuntu;5 sudo period -&gt; /bh/bash 01206431 cyse301@ubuntu;5 sudo period -&gt; /bh/bash 01206431:x:1001:1001::/home/01206431:/bin/bash cyse301@ubuntu;5 sudo period cyse301@ubuntu;5 sudo period cyse301@ubuntu;5 sudo period cyse301@ubuntu;5 sudo period cyse301@ubuntu;5 sudo grep 01206431 /etc/shadow sudo: l206431: command not found cyse301@ubuntu;5 sudo grep 01206431 /etc/shadow 01206431:Sc5dUbdeVx1SYLWZb.xodPQQJaqJMAAQraPB6j/YBIKniqntAiBiFw0lxFLJHK7BxkWn0ZHQSe6c0IMFvjD254GSAR 0q5X8V08:19030:0:99999:7::: cyse301@ubuntu;5 td uid=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadnin),131(sambashare),132(wtreshark) cyse301@ubuntu;5 td 01206431 cyse301@ubuntu;5 td 01206431 cyse301@ubuntu;5 td 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu;5 td 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu;5 td 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu;5 td 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)</pre>	drwxr-xr-x	2 root root	4896	Apr 6	2017	snap
<pre>-rm</pre>	drwxr-xr-x	3 root root	4096	Aug 24	2017	STV
<pre>df-xr-xr-x 13 root root 0 Feb 6 18:26 sys drwxr-xr-x 11 root root 4096 Apr 11 2017 var drwxr-xr-x 11 root root 4096 Apr 11 2017 var lrwxrwxr 1 root root 30 Aug 24 2017 vmlinuz -&gt; boot/vmlinuz-4.10.0-19-generic Cyse3010ubuntu:/5 sudo passwd 01206431 Enter new UNIX password: passwd: password updated successfully cyse3010ubuntu:/5 usermod -s /bin/bash 01206431 usermod: cannot lock /etc/passwd; try again later. cyse3010ubuntu:/5 grep 01206431 (tc/passwd 01206431:x11001:1001::/home/91206431:/bin/bash 012066431 cyse3010ubuntu:/5 sudo usermod -s /bin/bash 01206431 cyse3010ubuntu:/5 grep 01206431 /bin/bash 01206431 cyse3010ubuntu:/5 grep 01206431 /bin/bash cyse3010ubuntu:/5 sudo /etc/shadow sudo: fetr/shadow: command not found cyse3010ubuntu:/5 grep 01206431 /etc/shadow sudo: 01206431: sudo grep 01206431 /etc/shadow of cyse3010ubuntu:/5 grep 01206431 /etc/shadow sudo: 01206431: sodd grep 01206431 /etc/shadow sudo: 01206431: sudo grep 01206431 /etc/shadow of cyse3010ubuntu:/5 sudo grep 01206431 /etc/shadow of cyse3010ubuntu:/5 id 01000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadmin),131(sambashare),132(wtreshark) cyse3010ubuntu:/5 id 01206431) groups=1001(01206431) cyse3010ubuntu:/5 id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse3010ubuntu:/5 id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)</pre>	- FW	1 root root	993244160	Aug 24	2017	swapfile
<pre>drwxrwxrwt 14 root root 4096 Feb 6 19:17 men drwxr-xr-x 14 root root 4096 Apr 11 2017 var Trwxrwxrwx 1 root root 30 Aug 24 2017 vmlinuz -&gt; boot/vmlinuz-4.10.0-19-generic Cyse301@buntu:/S sudo passwd 01206431 Enter new UNIX password: Retype new UNIX password: Retype new UNIX password: usernod: Permission denied. usernod: cannot lock /etc/passwd; try again later. cyse301@buntu:/S usermod -s /bin/bash 01206431 cyse301@buntu:/S grep 01206431 /etc/passwd 01206431:x:1001:1001::/bin/bash 01206431 cyse301@buntu:/S sudo usermod -s /bin/bash 01206431 cyse301@buntu:/S grep 01206431 /etc/passwd 01206431:x:1001:1001::/bin/bash 01206431 cyse301@buntu:/S sudo /etc/shadow sudo: /etc/shadow: command not found cyse301@buntu:/S grep 01206431 /etc/shadow sudo: 01206431:command not found cyse301@buntu:/S grep 01206431 /etc/shadow 01206431:SóSdUb4evXiSYL&amp;D.xodPQQJaqJMAAQraPB6j/VBIKniqntAtBiFw01xFLJHK7BxkWn0zHQSe6cOIMFvjD254GSAR 0928W080:10030:0:999997::: cyse301@buntu:/S id uid=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadnin),131(sambashare),132(wireshark) cyse301@buntu:/S id 01206431 groups=1001(01206431) cyse301@buntu:/S id 01206431 groups=1001(01206431) cyse301@buntu:/S id 01206431 groups=1001(01206431) cyse301@buntu:/S id 01206431 groups=1001(01206431) uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)</pre>	dr-xr-xr-x	13 root root	: 0	Feb 6	18:26	sys
<pre>drwxr-xr-x 11 root root</pre>	drwxrwxrwt	14 root root	4896	Feb 6	19:17	the
<pre>drwxr-xr-x 14 root root 4096 Apr 11 2017 var lrwxrwxrwx 1 root root 30 Aug 24 2017 vmlinuz -&gt; boot/vmlinuz-4.10.0-19-generic cycs0301gubuntu:/S sudo passwd 01206431 Enter new UNIX password: Retype new UNIX password: Passwd: password updated successfully cys0301gubuntu:/S usermod -s /bin/bash 01206431 usermod: Permission dented. usermod: cannot lock /etc/passwd; try again later. cys0301gubuntu:/S grep 01206431 /etc/passwd 012006431:x:1001:1:home/012006431:/bin/bash cys0301gubuntu:/S sudo usermod -s /bin/bash cys0301gubuntu:/S sudo isermod not found cys0301gubuntu:/S sudo grep 01206431 /etc/shadow grep: /etc/shadow: Permission dented cys0301gubuntu:/S sudo grep 01206431 /etc/shadow 01206431:S65dub4evxiSyLWZb.xodPQQJaqJMAAQraPB6j/Y8IKniqntAiBiFw0lxFLJHK7BxkWn02HQSe6cOIMFvjD254GSAR 0q5XBv80:19030:0:99999:7::: cys0301gubuntu:/S id uid=1000(cys0301) gid=1000(cys0301) groups=1000(cys0301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadnin),131(sambashare),132(wtreshark) cys0301gubuntu:/S id 01206431) groups=1001(01206431) uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cys0301gubuntu:/S id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cys0301gubuntu:/S id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cys0301gubuntu:/S id 01206431) groups=1001(01206431) cys0301gubuntu:/S id 01206431) groups=1001(01206431),27(sudo)</pre>	drwxr-xr-x	11 root root	4096	Apr 11	2017	USF
<pre>lrwxrwxrwx 1 root root 30 Aug 24 2017 vmlinuz -&gt; boot/vmlinuz-4.10.0-19-generic cyse301@ubuntu:/\$ sudo passwd 01206431 Enter new UNIX password: passwd: password updated successfully cyse301@ubuntu:/\$ usermod -s /bin/bash 01206431 usermod: cennot lock /etc/passwd; try again later. cyse301@ubuntu:/\$ sudo usermod -s /bin/bash 01206431 cyse301@ubuntu:/\$ sudo etc/shadow sudo: /etc/shadow: command not found cyse301@ubuntu:/\$ sudo etc/shadow sudo: /etc/shadow: command not found cyse301@ubuntu:/\$ grep 01206431 /etc/shadow sudo: /etc/shadow: command not found cyse301@ubuntu:/\$ sudo epe 01206431 /etc/shadow 01206431:S65dUb4eVx1\$YLWZb.xodPQQJaqJMAAQraPB6j/Y8IKniqntAiBiFw0lxFLJHK7BxkWn0zHQSe6cOIMFvjD254GSAR Qq5XBv80:19030:0:99999:7::: cyse301@ubuntu:/\$ 1d uld=1000(cyse301) gld=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadmin),131(sambashare),132(wtreshark) cyse301@ubuntu:/\$ sudo usermod -G sudo -a 01206431 uld=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo) uld=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)</pre>	drwxr-xr-x	14 root root	4096	Apr 11	2017	var
<pre>cyse301@ubuntu:/S sudo passwd 01206431 Enter new UNIX password:</pre>	Lrwxrwxrwx	1 root root	: 30	Aug 24	2017	vnlinuz -> boot/vnlinuz-4.10.0-19-generic
Enter new UNIX password: Retype new UNIX password: passwd: password updated successfully cyse301@ubuntu:/\$ usermod -s /bin/bash 01206431 usermod: cannot lock /etc/passwd; try again later. cyse301@ubuntu:/\$ sudo usermod -s /bin/bash 01206431 cyse301@ubuntu:/\$ grep 01206431 /etc/passwd 01206431:x:1001:1001::/home/01206431:/bin/bash cyse301@ubuntu:/\$ sudo /etc/shadow sudo: /etc/shadow: command not found cyse301@ubuntu:/\$ grep 01206431 /etc/shadow sudo: 01206431: command not found cyse301@ubuntu:/\$ grep 01206431 /etc/shadow grep: /etc/shadow: Permission denied cyse301@ubuntu:/\$ grep 01206431 /etc/shadow 01206431:565dUb4eVxi\$YLWZb.xodPQQJaqJMAAQraPB6j/YBIKniqntAiBiFw0lxFLJHK7BxkWn0zHQSe6c0IMFvjD254GSAR QGSXBW80:19030:0:99999:7::: cyse301@ubuntu:/\$ id uld=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd uv),121(Ipadnin),131(sambashare),132(wireshark) cyse301@ubuntu:/\$ id 01206431 groups=1001(01206431) cyse301@ubuntu:/\$ sudo usermod -G sudo -a 01206431 uld=1001(01206431) gid=1001(61206431) groups=1001(01206431),27(sudo)	cyse301@ubu	ntu:/\$ sudo p	asswd 01200	5431		
Retype new UNIX password: passwd: password updated successfully usermod: permission denied. usermod: Permission denied. usermod: cannot lock /etc/passwd; try again later. cyse301@ubuntu:/S sudo usermod -s /bin/bash 01206431 cyse301@ubuntu:/S grep 01206431 /etc/passwd 01206431:x:1001:1001::/home/01206431:/bin/bash cyse301@ubuntu:/S sudo /etc/shadow sudo: /etc/shadow: command not found cyse301@ubuntu:/S sudo 01206431 /etc/shadow sudo: 01206431: command not found cyse301@ubuntu:/S sudo 01206431 /etc/shadow grep: /etc/shadow: permission denied cyse301@ubuntu:/S sudo grep 01206431 /etc/shadow 01206431:SoSdUb4eVxiSYLWZb.xodPQQJagJMAAQraPB6j/YBIKniqntAiBiFw0lxFLJHK7BxkWn0ZHQSe6c0IMFvjD2S4GSAR 0qSXBW80:19030:0:99999:7::: cyse301@ubuntu:/S id uld=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd uv),121(lpadmin),131(sambashare),132(wireshark) cyse301@ubuntu:/S id 01206431) groups=1001(01206431) utd=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/S id 01206431 gid=1001(01206431) cyse301@ubuntu:/S id 01206431 gid=1001(01206431) groups=1001(01206431),27(sudo)	Enter new U	NIX password:				
<pre>passwd: password updated successfully cyse301@ubuntu:/\$ usermod -s /btn/bash 01206431 usermod: Permission denied. usermod: cannot lock /etc/passwd; try again later. cyse301@ubuntu:/\$ sudo usermod -s /bin/bash 01206431 cyse301@ubuntu:/\$ sudo usermod -s /bin/bash 01206431 cyse301@ubuntu:/\$ sudo /etc/shadow sudo: /etc/shadow: command not found cyse301@ubuntu:/\$ sudo /etc/shadow sudo: /etc/shadow: command not found cyse301@ubuntu:/\$ grep 01206431 /etc/shadow sudo: /etc/shadow: permission denied cyse301@ubuntu:/\$ grep 01206431 /etc/shadow 01206431:si505dUbdevxi\$VLWZb.xodPQQJaqJMAAQraPB6j/VBIKniqntAiBiFw0lxFLJHK7BxkWn0ZHQSe6cOIMFvjD2S4GSAR 0q5X8v80:19030:0:99999;7::: cyse301@ubuntu:/\$ id uid=1000(cyse301) gid=1000(cyse301) groups=1008(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadmin),131(sambashare),132(wtreshark) cyse301@ubuntu:/\$ id 01206431 groups=1001(01206431) cyse301@ubuntu:/\$ sudo usermod -a 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ id 01206431 groups=1001(01206431),27(sudo)</pre>	Retype new	UNIX password	<b>1</b> 2.			
<pre>cyse301@ubuntu:/\$ usermod -s /bin/bash 01206431 usermod: Permission dented. usermod: cannot lock /etc/passwd; try again later. cyse301@ubuntu:/\$ sudo usermod -s /bin/bash 01206431 cyse301@ubuntu:/\$ sudo /etc/shadow sudo: retc/shadow: command not found cyse301@ubuntu:/\$ sudo 01206431 /etc/shadow sudo: 01206431: command not found cyse301@ubuntu:/\$ sudo 01206431 /etc/shadow grep: /etc/shadow: command not found cyse301@ubuntu:/\$ sudo grep 01206431 /etc/shadow 01206431: S65dUb4evxiSYLWZb.xodPQQJaqJMAAQraPB6j/Y8IKniqntAiBiFw0lxFLJHK7BxkWn0zHQSe6cOIMFvjD254GSAR Qq5XBv80:19030:0:99999:7::: cyse301@ubuntu:/\$ id utd=1000(cyse301) gfd=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadmin),131(sambashare),132(wireshark) cyse301@ubuntu:/\$ id 01206431 utd=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ id 01206431 utd=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)</pre>	passwd: pas	sword updated	successful	lly .		
<pre>usermod: Permission denied. usermod: cannot lock /etc/passwd; try again later. cyse301@ubuntu:/\$ sudo usermod -s /bin/bash 01206431 cyse301@ubuntu:/\$ sudo 1206431 /etc/passwd 01206431:x:1001:1001::/home/01206431:/bin/bash cyse301@ubuntu:/\$ sudo /etc/shadow sudo: /etc/shadow: command not found cyse301@ubuntu:/\$ sudo 01206431 /etc/shadow sudo: 01206431: command not found cyse301@ubuntu:/\$ grep 01206431 /etc/shadow grep: /etc/shadow: Permission denied cyse301@ubuntu:/\$ grep 01206431 /etc/shadow 01206431:\$6\$dUb4eVxi\$YLWZb.xodPQQJaqJMAAQraPB6j/Y8IKniqntAiBiFw0lxFLJHK7BxkWn0zHQSe6cOIMFvjD254GSAR 0q5XBv80:19930:0:99999:7::: cyse301@ubuntu:/\$ id uld=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadnin),131(sanbashare),132(wtreshark) cyse301@ubuntu:/\$ ud 01206431 yid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ sudo usermod -6 sudo -a 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ sudo usermod -6 sudo -a 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)</pre>	cyse301@ubu	ntu:/\$ usermo	od -s /bin/l	bash 01	206431	
<pre>usermod: cannot lock /etc/passwd; try again later. cyse301@ubuntu:/\$ sudo usermod -s /bin/bash 01206431 cyse301@ubuntu:/\$ grep 01206431 /etc/passwd 01206431:x:1001::/home/01206431:/bin/bash cyse301@ubuntu:/\$ sudo /etc/shadow sudo: /etc/shadow: command not found cyse301@ubuntu:/\$ sudo 01206431 /etc/shadow sudo: 01206431: command not found cyse301@ubuntu:/\$ grep 01206431 /etc/shadow grep: /etc/shadow: Permission denied cyse301@ubuntu:/\$ sudo grep 01206431 /etc/shadow 01206431:\$65dUb4eVx1\$YLWZb.xodPQQJaqJMAAQraPB6j/Y8IKniqntAiBiFw0lxFLJHK7BxkWn0zHQSe6c0IMFvjD254GSAR 0q5XBv80:19030:0:99999:7::: cyse301@ubuntu:/\$ td uid=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadnin),131(sanbashare),132(wireshark) cyse301@ubuntu:/\$ td 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ sid 0.semod -G sudo -a 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)</pre>	usernod: Pe	rmission deni	ed.			
<pre>cyse301@ubuntu:/\$ sudo usermod -s /bin/bash 01206431 cyse301@ubuntu:/\$ grep 01206431 /etc/passwd D1206431:x:1001:1001::/home/01206431 /bin/bash cyse301@ubuntu:/\$ sudo /etc/shadow sudo: /etc/shadow: command not found cyse301@ubuntu:/\$ sudo 01206431 /etc/shadow sudo: 01206431: command not found cyse301@ubuntu:/\$ grep 01206431 /etc/shadow grep: /etc/shadow: Permission denied cyse301@ubuntu:/\$ sudo grep 01206431 /etc/shadow 01206431:\$6\$dub4eVxi\$YLWZb.xodPQQJaqJMAAQraPB6j/Y8IKniqntAi8iFw0lxFLJHK7BxkWn0ZHQSe6cOIMFvjD2S4GSAR 0q5X8v80:19030:0:99999:7::: cyse301@ubuntu:/\$ id uid=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadmin),131(sambashare),132(wireshark) cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)</pre>	usermod: ca	nnot lock /et	c/passwd; 1	try aga	in late	er.
<pre>cyse301@ubuntu:/\$ grep 01206431 /etc/passwd 01206431:x:1001:1001::/home/01206431:/bin/bash cyse301@ubuntu:/\$ sudo /etc/shadow sudo: /etc/shadow: command not found cyse301@ubuntu:/\$ sudo 01206431 /etc/shadow sudo: 01206431: command not found cyse301@ubuntu:/\$ grep 01206431 /etc/shadow grep: /etc/shadow: Permission denied cyse301@ubuntu:/\$ sudo grep 01206431 /etc/shadow 01206431:\$6\$dUb4eVxi\$YLW2b.xodPQQJaqJMAAQraPB6j/YBIKniqntAiBiFw01xFLJHK7BxkWn0zHQSe6c0IMFvjD254GSAR 0q5X8v80:19030:0:99999:7::: cyse301@ubuntu:/\$ id uid=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadmin),131(sanbashare),132(wireshark) cyse301@ubuntu:/\$ id 01206431 gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)</pre>	cyse301@ubu	ntu:/\$ sudo u	sernod -s	/bin/ba	sh 012	06431
Di206431:x:1061:1001::/home/Di2D6431:/bin/bash cyse301@ubuntu:/\$ sudo /etc/shadow sudo: /etc/shadow: command not found cyse301@ubuntu:/\$ sudo 01206431 /etc/shadow sudo: 01206431: command not found cyse301@ubuntu:/\$ grep 01206431 /etc/shadow grep: /etc/shadow: Permission denied cyse301@ubuntu:/\$ sudo grep 01206431 /etc/shadow 01206431:\$6\$dUb4eVxi\$YLWZb.xodPQQJaqJMAAQraPB6j/YBIKniqntAiBiFwOlxFLJHK7BxkWnOZHQSe6cOIMFvjDZ54GSAR 0q5XBv80:19030:0:99999:7::: cyse301@ubuntu:/\$ id uid=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadmin),131(sambashare),132(wireshark) cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ sudo usermod -G sudo -a 01206431 cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)	cyse301@ubu	ntu:/\$ grep 6	1206431 /et	tc/pass	wd	
<pre>cyse301@ubuntu:/S sudo /etc/shadow sudo: /etc/shadow: command not found cyse301@ubuntu:/S sudo 01206431 /etc/shadow sudo: 01206431: command not found cyse301@ubuntu:/S grep 01206431 /etc/shadow grep: /etc/shadow: Permission denied cyse301@ubuntu:/S sudo grep 01206431 /etc/shadow 01206431:S65dUb4eVxiSYLWZb.xodPQQJaqJMAAQraPB6j/YBIKniqntAiBiFw0lxFLJHK7BxkWn0ZHQSe6cOIMFvjD254GSAR 0q5X8v80:19030:0:99999:7::: cyse301@ubuntu:/S td uid=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadmin),131(sambashare),132(wireshark) cyse301@ubuntu:/S td 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/S td 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)</pre>	01206431:X:	1001:1001::/h	ome/012064	11:/bin	/bash	
<pre>sudo: /etc/shadow: command not found cyse301@ubuntu:/\$ sudo 01206431 /etc/shadow sudo: 01206431: command not found cyse301@ubuntu:/\$ grep 01206431 /etc/shadow grep: /etc/shadow: Permission denied cyse301@ubuntu:/\$ sudo grep 01206431 /etc/shadow 01206431:\$6\$dUb4eVxi\$YLWZb.xodPQQJaqJMAAQraPB6j/YBIKniqntAiBiFw0lxFLJHK7BxkWn0ZHQSe6cOIMFvjD254GSAR 0q5X8v80:19030:0:99999:7::: cyse301@ubuntu:/\$ id uid=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadmin),131(sambashare),132(wireshark) cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ sudo usermod -G sudo -a 01206431 cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)</pre>	cyse301@ubu	ntu:/\$ sudo /	etc/shadow			
<pre>cyse301@ubuntu:/\$ sudo 01206431 /etc/shadow sudo: 01206431: command not found cyse301@ubuntu:/\$ grep 01206431 /etc/shadow grep: /etc/shadow: Permission denied cyse301@ubuntu:/\$ sudo grep 01206431 /etc/shadow 01206431:\$6\$dUb4eVxi\$YLWZb.xodPQQJaqJMAAQraPB6j/Y8IKniqntAiBiFwOlxFLJHK7BxkWnOZHQSe6cOIMFvjD254GSAR 0q5X8v80:19030:0:99999:7::: cyse301@ubuntu:/\$ id uld=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadmin),131(sambashare),132(wireshark) cyse301@ubuntu:/\$ id 01206431 uld=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ sudo usermod -G sudo -a 01206431 cyse301@ubuntu:/\$ id 01206431 uld=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)</pre>	sudo: /etc/	shadow: comma	and not four	nd		
<pre>sudo: 01206431: command not found cyse301@ubuntu:/\$ grep 01206431 /etc/shadow grep: /etc/shadow: Permission denied cyse301@ubuntu:/\$ sudo grep 01206431 /etc/shadow 01206431:\$6\$dUb4eVxi\$YLWZb.xodPQQJaqJMAAQraPB6j/Y8IKniqntAiBiFw0lxFLJHK7BxkWn0ZHQSe6c0IMFvjD254GSAR 0q5X8v80:19030:0:999999:7::: cyse301@ubuntu:/\$ id uid=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadmin),131(sambashare),132(wireshark) cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ sudo usermod -G sudo -a 01206431 cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)</pre>	cyse301@ubu	ntu:/\$ sudo 6	1206431 /et	tc/shad	OW	
<pre>cyse301@ubuntu:/\$ grep 01206431 /etc/shadow grep: /etc/shadow: Permission denied cyse301@ubuntu:/\$ sudo grep 01206431 /etc/shadow 01206431:\$6\$dUb4eVxi\$YLWZb.xodPQQJaqJMAAQraPB6j/Y8IKniqntAiBiFw0lxFLJHK7BxkWn0zHQSe6c0IMFvjD2S4GSAR 0q5X8v80:19030:0:999999:7::: cyse301@ubuntu:/\$ id uid=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadmin),131(sambashare),132(wireshark) cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ sudo usermod -G sudo -a 01206431 cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)</pre>	sudo: 01206	431: command	not found			
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01206431:\$6\$dUb4eVxi\$YLWZb.xodPQQJaqJMAAQraPB6j/Y8IKniqntAiBiFw0lxFLJHK7BxkWn0zHQSe6cOIMFvjD254GSAR Oq5X8v80:19030:0:999999:7::: cyse301@ubuntu:/\$ id uid=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadmin),131(sambashare),132(wireshark) cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ sudo usermod -G sudo -a 01206431 cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)	cyse301@ubu	ntu:/S sudo g	rep 012064	31 /etc	/shado	W
Oq5X8v80:19030:0:999999:7::: cyse301@ubuntu:/\$ id uid=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadmin),131(sambashare),132(wireshark) cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ sudo usermod -G sudo -a 01206431 cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)	01206431:\$6	\$dUb4eVx1\$YLk	Zb.xodPQQJ	<b>DAAMCPE</b>	raPB6j	/Y8IKniqntAiBiFw0lxFLJHK7BxkWn0zHQSe6c0IMFvjD2S4GSAR
<pre>cyse301@ubuntu:/\$ id uid=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadmin),131(sambashare),132(wireshark) cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ sudo usermod -G sudo -a 01206431 cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)</pre>	Oq5X8v80:19	030:0:99999:7				
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cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ sudo usermod -G sudo -a 01206431 cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)	ev),121(lpa	dmin),131(sar	bashare),1	32(wtre	shark)	
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cyse301@ubuntu:/\$ sudo usernod -G sudo -a 01206431 cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)	uld=1001(01)	206431) gld=1	001(012064)	31) gro	ups=10	01(01206431)
cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)	cyse301@ubu	ntu:/\$ sudo u	sernod -G	sudo -a	01206	431
uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo)	cyse301@ubu	ntu:/\$ id 012	06431			
	utd=1001(01)	206431) gid=1	001(012064)	31) gro	ups=10	01(01206431),27(sudo)
Cysesol@ubuntu:/S	cyse301@ubu	ntu:/S	and the second sec	and a state	12.00 - 12.00	

To add a new user of the sudo group and not override the existing memberships of the group, I used command, "sudo usermod -G sudo -a 01206431 "This uses sudo for authority, usermod to change a user's characteristics, -G sudo -a to append the new GID to the users secondary groups, and 01206431 to specify the groups. I also used command," id 01206431" before and after to see the change of group memberships for the user 01206431.

8

cyse301@ubuntu: / 4096 Feb 6 19:17 14 root root drwxrwxrwt 2017 USF drwxr-xr-x 11 root root 4096 Apr 11 2017 var drwxr-xr-x 14 root root 4096 Apr 11 30 Aug 24 2017 vmlinuz -> boot/vmlinuz-4.10.0-19-generic 1 root root Lrwxrwxrwx cyse301@ubuntu:/\$ sudo passwd 01206431 Enter new UNIX password: Retype new UNIX password: passwd: password updated successfully cyse301@ubuntu:/\$ usermod -s /bin/bash 01206431 usermod: Permission denied. usermod: cannot lock /etc/passwd; try again later. cyse301@ubuntu:/\$ sudo usermod -s /bin/bash 01206431 cyse301@ubuntu:/\$ grep 01206431 /etc/passwd :x:1001:1001::/home/( :/bin/bash cyse301@ubuntu:/\$ sudo /etc/shadow sudo: /etc/shadow: command not found cyse301@ubuntu:/\$ sudo 01206431 /etc/shadow sudo: 01206431: command not found cyse301@ubuntu:/\$ grep 01206431 /etc/shadow grep: /etc/shadow: Permission denied cyse301@ubuntu:/\$ sudo grep 01206431 /etc/shadow 01286431:\$6\$dUb4eVxi\$YLWZb.xodPQQJaqJMAAQraPB6j/Y8IKniqntAiBiFwOlxFLJHK7BxkWnOzHQSe6c0IMFvjD254GSAR Oq5X8v80:19030:0:99999:7:::: cyse301@ubuntu:/\$ ld uid=1000(cyse301) gid=1000(cyse301) groups=1000(cyse301),4(adm),24(cdrom),27(sudo),30(dip),46(plugd ev),121(lpadmin),131(sambashare),132(wireshark) cyse301@ubuntu:/\$ 1d 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431) cyse301@ubuntu:/\$ sudo usermod -G sudo -a 01206431 cyse301@ubuntu:/\$ id 01206431 uid=1001(01206431) gid=1001(01206431) groups=1001(01206431),27(sudo) cyse301@ubuntu:/\$ su 01206431 Password: To run a command as administrator (user "root"), use "sudo <command>". See "man sudo\_root" for details. 01206431@ubuntu:/\$ pwd 01206431@ubuntu:/\$

To switch to the newly created account I used command, "su 01206431 "This allowed me to use the passwords created for user 01206431 to log on. Then I used pwd to confirm my present working directory was in the file system.

1

```
😑 🐵 cyse301@ubuntu: /
 Command 'cdv' from package 'codeville' (universe)
Command 'cdw' from package 'cdw' (universe)
Command 'cd5' from package 'cd5' (universe)
 Command 'cdi' from package 'cdo' (universe)
 Command 'cdb' from package 'tinycdb' (main)
 Command 'cde' from package 'cde' (universe)
cd~: command not found
01206431@ubuntu:/$ cd
bash: cd: /home/01206431: No such file or directory
01206431@ubuntu:/$ exit
exit
cyse301@ubuntu:/$ su -01206431
su: invalid option -- '0'
Usage: su [options] [LOGIN]
Options:
  -c, --command COMMAND
                                   pass COMMAND to the invoked shell
  -h, --help
                                   display this help message and exit
  -, -l, --login
-m, -p,
                                   make the shell a login shell
  --preserve-environment
                                   do not reset environment variables, and
                                   keep the same shell
  -s, --shell SHELL
                                   use SHELL instead of the default in passwd
cyse301@ubuntu:/$ su 01206431
Password:
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
01206431@ubuntu:/$ etc/passwd
bash: etc/passwd: Permission denied
01206431@ubuntu:/$ sudo etc/passwd
[sudo] password for 01206431:
sudo: etc/passwd: command not found
01206431@ubuntu:/$ sudo /etc/passwd
sudo: /etc/passwd: command not found
01206431@ubuntu:/$ sudo grep 01206431 /etc/passwd
01206431:x:1001:1001::/home/01206431:/bin/bash
01206431@ubuntu:/$
```

To return to the home directory and determine the shell I was using I used command, "exit " to leave the new users account, and then to determine shell I sued command "  $cd \sim$  " to see my home directory.

```
🗧 🕙 cyse301@ubuntu: /
Command 'cde' from package 'cde' (universe)
cd-: command not found
01206431@ubuntu:/$ cd
bash: cd: /home/01206431: No such file or directory
01206431@ubuntu:/$ exit
exit
cyse301@ubuntu:/$ su -01206431
su: invalid option -- '0'
Usage: su [options] [LOGIN]
Options:
  -c, --command COMMAND
-h, --help
                                pass COMMAND to the invoked shell
                                display this help message and exit
  -, -l, --login
                                make the shell a login shell
  -л, -р,
  --preserve-environment
                                do not reset environment variables, and
                                keep the same shell
  -s, --shell SHELL
                                use SHELL instead of the default in passwd
cyse301@ubuntu:/$ su 01206431
Password:
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
01206431@ubuntu:/$ etc/passwd
bash: etc/passwd: Permission denied
01206431@ubuntu:/$ sudo etc/passwd
[sudo] password for 01206431:
sudo: etc/passwd: command not found
01206431@ubuntu:/$ sudo /etc/passwd
sudo: /etc/passwd: command not found
01206431@ubuntu:/$ sudo grep 01206431 /etc/passwd
01206431:x:1001:1001::/home/01206431:/bin/bash
01206431@ubuntu:/$ sudo grep 01206431 /etc/passwd
01206431:x:1001:1001::/home/01206431:/bin/bash
01206431@ubuntu:/$ sudo grep 01206431 /etc/group
sudo:x:27:cyse301,01206431
01206431:x:1001:
01206431@ubuntu:/$
```

To display the current users ID and group membership I used command was "Sudo grep 01206431 /etc/passwd

" Sudo for authority and grep to search through user 01206431 for the /etc/passwd file.

2

😑 🗇 💿 🛛 cyse301@ubuntu: / 01206431@ubuntu:/\$ exit exit cyse301@ubuntu:/\$ su -01206431 su: invalid option -- '0' Usage: su [options] [LOGIN] Options: -c, --command COMMAND -h, --help pass COMMAND to the invoked shell display this help message and exit -, -l, --login make the shell a login shell -m, -p, do not reset environment variables, and --preserve-environment keep the same shell -s, --shell SHELL use SHELL instead of the default in passwd cyse301@ubuntu:/\$ su 01206431 Password: To run a command as administrator (user "root"), use "sudo <command>". See "man sudo\_root" for details. 01206431@ubuntu:/\$ etc/passwd bash: etc/passwd: Permission denied 01206431@ubuntu:/\$ sudo etc/passwd [sudo] password for 01206431: sudo: etc/passwd: command not found 01206431@ubuntu:/\$ sudo /etc/passwd sudo: /etc/passwd: command not found 01206431@ubuntu:/\$ sudo grep 01206431 /etc/passwd 01206431:x:1001:1001::/home/01206431:/bin/bash 01206431@ubuntu:/\$ sudo grep 01206431 /etc/passwd 01206431:x:1001:1001::/home/01206431:/bin/bash 01206431@ubuntu:/\$ sudo grep 01206431 /etc/group sudo:x:27:cyse301,01206431 01206431:x:1001: 01206431@ubuntu:/\$ groups 01206431 sudo 01206431@ubuntu:/\$ groups root root : root 01206431@ubuntu:/\$

To display group membership of the root account I used "groups root " to show which accounts root was a member of .

3

4

😣 🖻 🗊 cyse301@ubuntu: /	
<mark>cyse301@ubuntu:/</mark> \$ su -01206431 su: invalid option '0' Usage: su [options] [LOGIN]	
Options:	
-c,command COMMAND -h,help -, -l,login -m, -p,	pass COMMAND to the invoked shell display this help message and exit make the shell a login shell
preserve-environment	do not reset environment variables, and keep the same shell
-s,shell SHELL	use SHELL instead of the default in passwd
<mark>cyse301@ubuntu:/</mark> \$ su 01206431 Password: To run a command as administrato See "man sudo_root" for details.	or (user "root"), use "sudo <command/> ".
01206431@ubuntu:/\$ etc/passwd bash: etc/passwd: Permission der 01206431@ubuntu:/\$ sudo etc/pass [sudo] password for 01206431: sudo: etc/passwd: command not for 01206431@ubuntu:/\$ sudo /etc/passwd: command not for 01206431@ubuntu:/\$ sudo grep 012 01206431@ubuntu:/\$ sudo grep 012 sudo:x:27:cyse301,01206431 01206431@ubuntu:/\$ groups 01206431@ubuntu:/\$ groups root root : root 01206431@ubuntu:/\$ ls -l /etc/pa -rw-rr- 1 root root 2486 Feb 01206431@ubuntu:/\$	nied swd pund sswd found 206431 /etc/passwd 206431 /etc/passwd 206431 /etc/group 206431 /etc/group

To determine the user owner and group owner of the /etc/group file I used command," ls -l /etc/passwd " ls to list and -l to specifically list the contents of /etc/passwd file.





To create a new group named test, I used command, "sudo groupadd -g -1206431 test "sudo for authority, groupadd to create a new group, -g to add it to the primary group, -1206431 as the user creating the group and test as the name. Below command "cat /etc/group shows all groups and test is highlighted with GID.

badmin:x:121:cyse301	
nonsie:x:122:	
200100:X:123:	
n-openvpn:x:124:	
vahi:x:125:	
ulse:x:126:	
ulse-access:x:127:	
canner:x:128:saned	
olord:x:129:	
aned:x:130:	
/se301:x:1000:	
ambashare:x:131:cvse301	
reshark:x:132:cvse301	
tn:x:133:	
st:v:1206431:	
206421	
1206451;X:1001;	
1206431@ubuntu:/home/cvse301\$	

nal 🔋 🗇 🕘 cyse301@ubuntu: -systemd-network:x:103: systemd-resolve:x:104: systemd-bus-proxy:x:105: input:x:106: crontab:x:107: syslog:x:108: messagebus:x:109: netdev:x:110: usermetrics:x:111: mlocate:x:112: uuidd:x:113: rtkit:x:114: avahi-autoipd:x:115: bluetooth:x:116: ssl-cert:x:117: lightdm:x:118: nopasswdlogin:x:119: ssh:x:120: lpadmin:x:121:cyse301 whoopsie:x:122: geoclue:x:123: nm-openvpn:x:124: avaht:x:125: pulse:x:126: pulse-access:x:127: scanner:x:128:saned colord:x:129: saned:x:130: cyse301:x:1000: sambashare:x:131:cyse301 wireshark:x:132:cyse301 ftp:x:133: test:x:1206431: cyse301@ubuntu:-\$ grep test /etc/pass grep: /etc/pass: No such file or directory cyse301@ubuntu:=\$ grep /etc/pass test grep: test: No such file or directory cyse301@ubuntu:~\$ grep test /etc/group :x:1206431: cyse301@ubuntu:-\$ and the second second

TO display group account information I used command, "grep test /etc/group " Grep allows us to search test group for files like /etc/group and display their contents.

-bit X || | Windows 7 - ECE/MSIM 470/570 X || | | | 😣 🖨 🗇 🛛 cyse301@ubuntu: ~ sasl:x:45: plugdev:x:46:cyse301 staff:x:50: dames:x:60: users:x:100: nogroup:x:65534: systemd-journal:x:101: systemd-timesync:x:102: systemd-network:x:103: systemd-resolve:x:104: systemd-bus-proxy:x:105: input:x:106: crontab:x:107: syslog:x:108: messagebus:x:109: netdev:x:110: usermetrics:x:111: mlocate:x:112: uuidd:x:113: rtkit:x:114: avahi-autoipd:x:115: bluetooth:x:116: ssl-cert:x:117: liahtdm:x:118: nopasswdlogin:x:119: ssh:x:120: lpadmin:x:121:cyse301 whoopsie:x:122: geoclue:x:123: nm-openvpn:x:124: avahi:x:125: pulse:x:126: pulse-access:x:127: scanner:x:128:saned colord:x:129: saned:x:130: cyse301:x:1000: sambashare:x:131:cyse301 wireshark:x:132:cyse301 ftp:x:133: newtest:x:1206431: cyse301@ubuntu:~\$

TO change the name of the group test to new test I used command "Sudo groupmod -n newtest test" Sudo for authority, groupmod is to modify a group, -n is the modifier for the command to specify name, newtest is the new name and test is the old one.

a		14 📖 📢	4:18 Pt
😑 🗇 😳 cyse301@ubuntu: -			
-a,append	append the user to the supplemental GROUPS mentioned by the -G option without removing him/ber from other groups		
-hhelp	display this help message and exit		
-1,login NEW_LOGIN	new value of the login name		
-L,lock	lock the user account		
-n,nove-hone	move contents of the home directory to the new location (use only with -d)		
-o,non-unique	allow using duplicate (non-unique) UID		
-p,password PASSWORD	use encrypted password for the new password		
-R,root CHROOT_DIR	directory to chroot into		
-s,shell SHELL	new login shell for the user account		
-u,utd UID	new UID for the user account		
-U,unlock	unlock the user account		
-v,add-subuids FIRST-LAST	add range of subordinate uids		
-V,det-subutos FIRST-LAST	remove range or subordinate ulds		
-W,dog-subgids FIRST-LAST	add range of subordinate glus		
7 sellens user stutte	new SELlow user expolent for the user account		
-2,sectiox-user seuser	new section user happing for the user account		
01206431@ubuntu:/home/cvse3015	usernod -G newtest-01206431		
usermod: group 'newtest-0120643	1' does not exist		
01206431@ubuntu:/home/cyse3015	usermod -G newtest 01206431		
usernod: Permission denied.			
usermod: cannot lock /etc/passw	d; try again later.		
01206431@ubuntu:/home/cyse301\$	sudo usermod -G newtest 01206431		
[sudo] password for 01206431:			
Sorry, try again.			
[sudo] password for 01206431:			
Sorry, try again.			
[sudo] password for 01206431:			
sudo: 3 incorrect password atte	Apts		
01200431@ubuntu:/nome/cyse3015	sudo usermod -G newtest 01200431		
[Sudo] password for 01200431:			
foundal pareward for 01206421			
Sorry try again			
Isudal password for 81286431			
sudo: 3 incorrect password atte	nots		
012064318ubuntu:/hone/cyse3015			
	CARDING CONTRACTOR CONTRACTOR CONTRACTOR	THE OWNER WATER A PARTY.	and the second

To add the current account of 01206431 as a secondary member of the newtest group without overriding their current group membership I used command, " sudo usermod -G newtest 01206431 " SUdo for the authority, usermod to change a users settings, -G lets us override the current secondary group settings but not the main, to newtest, for user 01206431.

```
nal
  😑 🗇 🕐 cyse301@ubuntu: ~
 cyse301@ubuntu:~$ sudo useradd 01206431 -d /home/01206431
 [sudo] password for cyse301:
 cyse301@ubuntu:~$ sudo passwd 01206431
 Enter new UNIX password:
 Retype new UNIX password:
 passwd: password updated successfully
 cyse301@ubuntu:~$ sudo usermod -s /bin/bash 01206431
 cyse301@ubuntu:~$ sudo usermod -G sudo -a 01206431
 cyse301@ubuntu:~$ sudo groupadd -g 01206431 test
 cyse301@ubuntu:~$ sudo groupmod -n newtest test
 cyse301@ubuntu:~$ sudo usermod -G newtest 01206431
 cyse301@ubuntu:~$ touch testfile
 cyse301@ubuntu:~$ pwd
 /home/cyse301
 cyse301@ubuntu:~$ ls
            Downloads
                                         Public
                                                    testfile
                                                              VMshare
 Desktop
                               Music
                                                    Videos
 Documents
            examples.desktop Pictures Templates
 cyse301@ubuntu:~$
```

My virtual machine had a problem and I had to restart it and rework much of the assignment to get back to this stage. I used command "touch testfile " to create a file named testfile in the home directory and " ls " to list the files in the current directory as proof.

10

🧧 🗇 👘 cyse301@ubuntu: -			
cyse301@ubuntu:-\$ sudo useradd 0120643 [sudo] password for cyse301: cyse301@ubuntu:-\$ sudo passwd 01206431 Enter new UNIX password: passwd: password updated successfully cyse301@ubuntu:-\$ sudo usernod -s /bin cyse301@ubuntu:-\$ sudo usernod -G sudo cyse301@ubuntu:-\$ sudo groupadd -g 012 cyse301@ubuntu:-\$ sudo groupadd -g 012 cyse301@ubuntu:-\$ sudo usernod -G newt cyse301@ubuntu:-\$ sudo usernod -G newt cyse301@ubuntu:-\$ touch testfile	1 -d /home/ /bash 01206 -a 0120643 06431 test test test est 0120643	91206431 431 1	
/home/cyse301			
cyse301@ubuntu:-\$ ls			
Desktop Downloads Music	Public	testfile	VHshare
Documents examples.desktop Pictures	Templates	Videos	
-rw-rr 1 cyse301 cyse301 0 Feb 7 cyse301@ubuntu:-\$	18:05 testf	ile	

To display the user owner and group ownder of the information in the testfile I used command "ls -l testfile " ls lists and with modifier -l to specify file testfile. Then we see the read write and owner information.

nal 😣 🖨 🖻 🛛 cyse301@ubuntu: ~ nopasswdlogin:x:119: ssh:x:120: lpadmin:x:121:cyse301 whoopsie:x:122: geoclue:x:123: nm-openvpn:x:124: avahi:x:125: pulse:x:126: pulse-access:x:127: scanner:x:128:saned colord:x:129: saned:x:130: cyse301:x:1000: sambashare:x:131:cyse301 wireshark:x:132:cyse301 ftp:x:133: 01206431:x:1001: newtest:x:1206431:01206431 cyse301@ubuntu:~\$ sudo groupdel newtest cyse301@ubuntu:~\$ cat /etc/group root:x:0: daemon:x:1: bin:x:2: sys:x:3: adm:x:4:syslog,cyse301 tty:x:5: disk:x:6: lp:x:7: mail:x:8: news:x:9: uucp:x:10: man:x:12: proxy:x:13: kmem:x:15: dialout:x:20: fax:x:21: voice:x:22: cdrom:x:24:cyse301 floppy:x:25: tape:x:26: sudo:x:27:cyse301 audio:x:29:pulse dip:x:30:cyse301 www-data:x:33: backup:x:34: operator:x:37: list:x:38: irc:x:39: src:x:40: onats:x:41: shadow:x:42:

🔊 🗇 🗇 cyse301@ubuntu: ~ backup:x:34: operator:x:37: list:x:38: trc:x:39: src:x:40: gnats:x:41: shadow:x:42: utmp:x:43: video:x:44: sasl:x:45: plugdev:x:46:cyse301 staff:x:50: games:x:60: users:x:100: nogroup:x:65534: systemd-journal:x:101: systemd-timesync:x:102: systend-network:x:103: systemd-resolve:x:104: systend-bus-proxy:x:105: input:x:106: crontab:x:107: syslog:x:108: messagebus:x:109: netdev:x:110: usermetrics:x:111: mlocate:x:112: uuidd:x:113: rtkit:x:114: avahi-autoipd:x:115: bluetooth:x:116: ssl-cert:x:117: lightdn:x:118: nopasswdlogin:x:119: ssh:x:120: lpadmin:x:121:cyse301 whoopsie:x:122: geoclue:x:123: nm-openvpn:x:124: avahi:x:125: pulse:x:126: pulse-access:x:127: scanner:x:128:saned colord:x:129: saned:x:130: cyse301:x:1000: sambashare:x:131:cyse301 wireshark:x:132:cyse301 ftp:x:133: 01206431:x:1001: cyse301@ubuntu:~\$

Above to delete the newtest group I sued command "sudo groupdel newtest" sudo for authority and groupdel to delete the group and newtest as the group specified. Above I have a before and after using command " cat /etc/group " to show the newtest group being removed.

Terminal 🕽 🗇 🗇 cyse301@ubuntu: ~ cyse301:x:1000: sambashare:x:131:cyse301 wireshark:x:132:cyse301 ftp:x:133: 01206431:x:1001: cyse301@ubuntu:~\$ cat /etc/passwd root:x:0:0:root:/root:/bin/bash daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin bin:x:2:2:bin:/bin:/usr/sbin/nologin sys:x:3:3:sys:/dev:/usr/sbin/nologin sync:x:4:65534:sync:/bin:/bin/sync games:x:5:60:games:/usr/games:/usr/sbin/nologin man:x:6:12:man:/var/cache/man:/usr/sbin/nologin lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin mail:x:8:8:mail:/var/mail:/usr/sbin/nologin news:x:9:9:news:/var/spool/news:/usr/sbin/nologin uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin proxy:x:13:13:proxy:/bin:/usr/sbin/nologin www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin backup:x:34:34:backup:/var/backups:/usr/sbin/nologin list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin systemd-timesync:x:100:102:systemd Time Synchronization,,,:/run/systemd:/bin/false systemd-network:x:101:103:systemd Network Management,,,:/run/systemd/netif:/bin/false systemd-resolve:x:102:104:systemd Resolver,,,:/run/systemd/resolve:/bin/false systemd-bus-proxy:x:103:105:systemd Bus Proxy,,:/run/systemd:/bin/false systemd-bus-proxy:x:103:105:systemd Bus Proxy,,:/run/systemd:/bin/false systemd:/bin/false \_apt:x:105:65534::/nonexistent:/bin/false messagebus:x:106:109::/var/run/dbus:/bin/false usermetrics:x:107:111:User Metrics:/var/lib/usermetrics:/bin/false uuidd:x:108:113::/run/uuidd:/bin/false rtklt:x:109:114:RealtimeKit,,:/proc:/bin/false avahi-autoipd:x:110:115:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/bin/false usbmux:x:111:46:usbmux daemon,,:/var/lib/usbmux:/bin/false lightdm:x:112:118:Light Display Manager:/var/lib/lightdm:/bin/false whoopsie:x:113:122::/nonexistent:/bin/false whoopsterx:113:122::/nonextstent./ptn/ratse geoclue:x:114:123::/var/lib/geoclue:/bin/false kernoops:x:115:65534:Kernel Oops Tracking Daemon,,,:/:/bin/false speech-dispatcher:x:116:29:Speech Dispatcher,,,:/var/run/speech-dispatcher:/bin/false nm-openvpn:x:117:124:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/bin/false avahi:x:118:125:Avahi mDNS daemon,,,:/var/run/avahi-daemon:/bin/false pulse:x:119:126:PulseAudio daemon,,,:/var/run/pulse:/bin/false colord:x:120:129::colord colour management daemon,,,:/var/lib/colord:/bin/false saned:x:121:130::/var/lib/saned:/bin/false hplip:x:122:7:HPLIP system user,,,:/var/run/hplip:/bin/false cyse301:x:1000:1000:CYSE Student,,,:/home/cyse301:/bin/bash ftp:x:123:133:ftp daemon,,,:/srv/ftp:/bin/false 01206431:x:1001:1001::/home/01206431:/bin/bash cyse30100:pash cyse301@ubuntu:-\$

Above you see command " cat /etc/passwd " shows the user 01206431 still existing.

### nal 🗇 🗇 cyse301@ubuntu: ~ ftp:x:133: 01206431:x:1001: cyse301@ubuntu:=\$ cat /etc/passwd root:x:0:0:root:/root:/bin/bash daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin bin:x:2:2:bin:/bin:/usr/sbin/nologin sys:x:3:3:sys:/dev:/usr/sbin/nologin sync:x:4:65534:sync:/bin:/bin/sync games:x:5:60:games:/usr/games:/usr/sbin/nologin man:x:6:12:man:/var/cache/man:/usr/sbin/nologin lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin mail:x:8:8:mail:/var/mail:/usr/sbin/mologin news:x:9:9:news:/var/spool/news:/usr/sbin/nologin uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin proxy:x:13:13:proxy:/bin:/usr/sbin/nologin www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin backup:x:34:34:backup:/var/backups:/usr/sbin/nologin list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin systend-timesync:x:100:102:systend Time Synchronization,,,:/run/systend:/bin/false systend-network:x:101:103:systend Network Management,,,:/run/systend/netif:/bin/false systend-resolve:x:102:104:systend Resolver,,,:/run/systend/resolve:/bin/false systend-bus-proxy:x:103:105:systemd Bus Proxy,,,:/run/systemd:/bin/false syslog:x:104:108::/home/syslog:/bin/false \_apt:x:105:65534::/nonexistent:/bin/false messagebus:x:106:109::/var/run/dbus:/bin/false usermetrics:x:107:111:User Metrics:/var/lib/usermetrics:/bin/false uuidd:x:108:113::/run/uuidd:/bin/false rtkit:x:109:114:RealtimeKit,,:/proc:/bin/false avahi-autoipd:x:110:115:Avahi autoip daemon,,:/var/lib/avahi-autoipd:/bin/false usbmux:x:111:46:usbmux daemon,,:/var/lib/usbmux:/bin/false usomux:x:111:46:usomux daenon,,,:/var/lib/usomux:/bin/false lightdm:x:112:118:Light Display Manager:/var/lib/lightdm:/bin/false whoopsie:x:113:122::/nonexistent:/bin/false geoclue:x:114:123::/var/lib/geoclue:/bin/false kernoops:x:115:65534:Kernel Oops Tracking Daenon,,,:/:/bin/false speech-dispatcher:x:116:29:Speech Dispatcher,,:/var/run/speech-dispatcher:/bin/false nm-openvpn:x:117:124:NetworkManager OpenVPN,,:/var/lib/openvpn/chroot:/bin/false avahi:x:118:125:Avahi mDNS daenon,,:/var/run/avahi-daenon:/bin/false pulse:x:119:126:PulseAudio daenon,,:/var/run/pulse:/bin/false colord:x:129:129:colord colour management daenon .:/var/lib/colord:/bin/false colord:x:128:129:colord colour management daemon,,,:/var/lib/colord:/bin/false saned:x:121:130::/var/lib/saned:/bin/false hplip:x:122:7:HPLIP system user,,:/var/run/hplip:/bin/false cyse301:x:1000:1000:CYSE Student,,:/home/cyse301:/bin/bash ftp:x:123:133:ftp daemon,,:/srv/ftp:/bin/false 01206431:x:1001:1001::/home/01206431:/bin/bash cyse301@ubuntu:-\$ sudo userdel 01206431 -r userdel: 01206431 mail spool (/var/mail/01206431) not found userdel: 01206431 home directory (/home/01206431) not found cyse301@ubuntu:-\$

To delete the user I used command, "sudo userdel 01206431 -r "sudo for authority, userdel to delete the user, 01206431 specified after, and -r to delete the home directory as well.



When we retry command " cat /etc/passwd " we see no user 01206431 listed, letting us know the user was successfully deleted.

### END