

## Assignment:3

**Objective:** Securing user environment.

Answer the following:

<u>Sr. No.</u>	<u>Query</u>	<u>Answer/Remarks</u>
<u>1</u>	Find your User Name	<pre>systemd-timesync:x:977:977:systemd Time Synchronization:/usr/sbin/nologin primus:x:1000:1000:Primus:/home/primus:/bin/bash akmod:x:976:976:User is used by akmods to build akmod packages:/usr/sbin/nologin</pre> <p>“primus:x:1000:1000:Primus:/home/primus:/bin/bash” this is the command. Username- primus</p>
<u>2</u>	Find your Password	<pre>(primus@primus etc)\$ sudo cat passwd [sudo] password for primus: root:x:0:0:Super User:/root:/bin/bash</pre> <p>as a user it will show reference to your password using “sudo cat passwd” which is “x” which gets hashed in shadow folder for which to access it we will “sudo cat shadow”. We cannot see real password but a reference of it.</p> <pre>systemd-timesync:!*:1000: primus:\$y\$j9T\$bOuRf4tbRNaAf42YrCC7M/\$fNsoeIGd76PSFeq2bsEKjE1xiyu4U4Hg/8sLJ5J8HuD:10000:7: akmod:!!:1000:</pre> <p>password- \$y\$j9T\$bOuRf4tbRNaAf42YrCC7M/\$fNsoeIGd76PSFeq2bsEKjE1xiyu4U4Hg/8sLJ5J8HuD</p>
<u>3</u>	Find your UID	<pre>systemd-timesync:x:977:977:systemd Time Synchronization:/usr/sbin/nologin primus:x:1000:1000:Primus:/home/primus:/bin/bash akmod:x:976:976:User is used by akmods to build akmod packages:/usr/sbin/nologin</pre> <p>The meaning for this format is “username:password:UID:GID:comment:home_directory:login_shell” So the UID is 1000</p> <pre>[primus@primus etc]\$ id -u 1000 [primus@primus etc]\$</pre>
<u>4</u>	Find your GID	<p>My GID is 1000 using the previous screenshot</p> <pre>systemd-timesync:x:977:977:systemd Time Synchronization:/usr/sbin/nologin primus:x:1000:1000:Primus:/home/primus:/bin/bash akmod:x:976:976:User is used by akmods to build akmod packages:/usr/sbin/nologin</pre> <pre>[primus@primus etc]\$ id -g 1000 [primus@primus etc]\$</pre>
<u>5</u>	Find User Info	<pre>[primus@primus etc]\$ finger primus Login: primus           Name: Primus Directory: /home/primus      Shell: /bin/bash On since Thu Feb 14 05 (IST) on seat0 from login screen (messages off) On since Thu Feb 14 05 (IST) on tty2 from tty2 1 hour 10 minutes idle No mail. No Plan. [primus@primus etc]\$ grep primus /etc/passwd primus:x:1000:1000:Primus:/home/primus:/bin/bash [primus@primus etc]\$</pre>

<u>6</u>	Find your Home Directory	<pre>(primus@primus ~)\$ ls primus  Downloads  Music  Pictures  Public  Software (primus@primus ~)\$ cd .. (primus@primus home)\$ ls primus (primus@primus home)\$ cd .. (primus@primus /)\$ ls ls  boot  dev  lib  lost+found  mnt  proc  run  srv  tmp  var bin  dev  home  lib64  media  opt  root sbin  sys  usr (primus@primus /)\$</pre> <p>cd /home/primus</p> <p>To find home directory we will press “cd” which will redirect us to the home directory of the user which is “primus” for me. If we do “cd ..” we will reach to actually root directory where all the users are displayed</p>
<u>7</u>	Find your Shell: The absolute path of a command or shell	<p>cd /bin/bash</p> <p>or \$ which bash</p> <pre>[primus@primus ~]\$ which bash /usr/bin/bash [primus@primus ~]\$</pre>
<u>8</u>	Group information: <ul style="list-style-type: none"> <li>Group Name:</li> <li>Group Password:</li> <li>Group ID:</li> <li>Group List</li> </ul>	<pre>(primus@primus /bin)\$ group group primus primus:x:1000: (primus@primus /bin)\$</pre>
<u>9</u>	○ User name in shadow	<pre>(primus@primus /bin)\$ cat /etc/shadow primus:\$y\$j9T\$bOuRf4tbRNaAf42YrCC7M/\$fNsoeIGd76PSFeq2bsEKjE1xiyu4U4Hg/8sLJ5J8HuD:19645:0:99999:7:::</pre>
<u>10</u>	○ Password in shadow	<pre>\$y\$j9T\$bOuRf4tbRNaAf42YrCC7M/\$fNsoeIGd76PSFeq2bsEKjE1xiyu4U4Hg/8sLJ5J8HuD</pre>
<u>11</u>	○ Last password changed	Oct 15, 2023
<u>12</u>	○ Minimum number of days required between password change	0
<u>13</u>	○ Maximum number of days the password is valid	99999
<u>14</u>	○ Warn: the number of days before the password is to expire	7

<u>15</u>	○ Expire: An absolute date specifying when the login may no longer be used	never
<u>16</u>	○ Inactive: the number of days after password expire that account is disabled	never

1. 

```
systemd-timesync:x:977:977:systemd Time Synchronization:/:/u
primus:x:1000:1000:Primus:/home/primus:/bin/bash
akmods:x:976:976:User is used by akmods to build akmod packa
[primus@primus etc]$ sudo cat passwd
[sudo] password for primus:
root:x:0:0:Super User:/root:/bin/bash
```
2. 

```
systemd-timesync:!*:19460::::::
primus:$y$j9T$b0uRf4tbRNaAf42YrCC7M/$fNsoeIGd76PSFeq2bsEKjE1xiyu4U4Hg/8sLJ5J8HuD:19645:0:99999:7:::
akmods:!!:19645::::::
```
3. 

```
systemd-timesync:x:977:977:systemd Time Synchronization:/:/u
primus:x:1000:1000:Primus:/home/primus:/bin/bash
akmods:x:976:976:User is used by akmods to build akmod packa
[primus@primus etc]$ id -u
1000
[primus@primus etc]$
```
4. 

```
systemd-timesync:x:977:977:systemd Time Synchronization:/:/u
primus:x:1000:1000:Primus:/home/primus:/bin/bash
akmods:x:976:976:User is used by akmods to build akmod packa
[primus@primus etc]$ id -g
1000
[primus@primus etc]$
```

```
[primus@primus etc]$ finger primus
Login: primus                      Name: Primus
Directory: /home/primus           Shell: /bin/bash
On since Thu Feb  1 14:05 (IST) on seat0 from login screen (messages off)
On since Thu Feb  1 14:05 (IST) on tty2 from tty2
    1 hour 10 minutes idle
No mail.
No Plan.
[primus@primus etc]$ grep primus /etc/passwd
primus:x:1000:1000:Primus:/home/primus:/bin/bash
[primus@primus etc]$
```

5.

```
[primus@primus ~]$ ls
Documents Downloads GNS3 Music Pictures Postman Public Softwares
[primus@primus ~]$ cd ..
[primus@primus home]$ ls
primus
[primus@primus home]$ cd ..
[primus@primus /]$ ls
afs boot etc lib lost+found mnt proc run srv tmp var
bin dev home lib64 media opt root sbin sys usr
[primus@primus /]$
```

6.

```
[primus@primus ~]$ which bash
/usr/bin/bash
[primus@primus ~]$
```

7.

```
9.
systemd-timesyncd:1*:19460:.....
primus:$y$j9T$b0uRf4tbRNaAf42YrCC7M/$fNsoeIGd76PSFeq2bsEKjE1xiyu4U4Hg/8sLJ5J8HuD
:19645:0:99999:7:::
```

10. 11. 12. 13. 14

gnss.7.19740.....

[primus@primus bin]\$ chage -l primus

Last password change : Oct 15, 2023

Password expires : never

Password inactive : never

Account expires : never

Minimum number of days between password change : 0

Maximum number of days between password change : 99999

Number of days of warning before password expires : 7

[primus@primus bin]\$