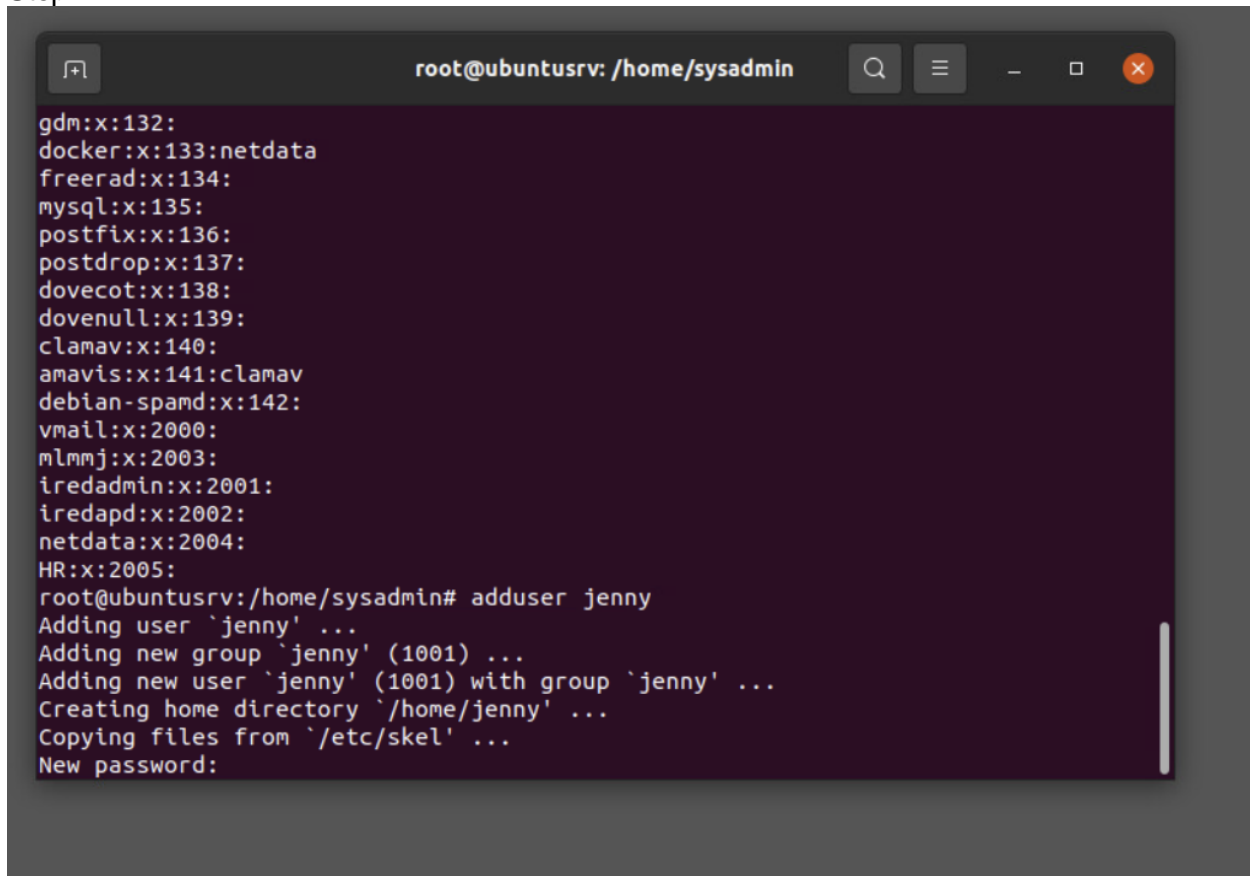Peter Sanford
IT 2700
NetLab Lab 20
12/6/2023

1
Step 7:


```
gdm:x:132:
docker:x:133:netdata
freerad:x:134:
mysql:x:135:
postfix:x:136:
postdrop:x:137:
dovecot:x:138:
dovenull:x:139:
clamav:x:140:
amavis:x:141:clamav
debian-spamd:x:142:
vmail:x:2000:
mlmmj:x:2003:
iredadmin:x:2001:
iredapd:x:2002:
netdata:x:2004:
HR:x:2005:
root@ubuntusrv:/home/sysadmin# adduser jenny
Adding user `jenny' ...
Adding new group `jenny' (1001) ...
Adding new user `jenny' (1001) with group `jenny' ...
Creating home directory `/home/jenny' ...
Copying files from `/etc/skel' ...
New password:
```

Step 10:

```
Adding user `joe' ...
Adding new group `joe' (1002) ...
Adding new user `joe' (1002) with group `joe' ...
Creating home directory `/home/joe' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for joe
Enter the new value, or press ENTER for the default
        Full Name []: Joe
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
root@ubuntusrv:/home/sysadmin# usermod -G HR joe
root@ubuntusrv:/home/sysadmin#
```

Step 11:

```
tredapd:x:2002:2002::/home/tredapd:/usr/sbin/nologin
netdata:x:2004:2004::/home/netdata:/usr/sbin/nologin
jenny:x:1001:1001:Jenny,,,:/home/jenny:/bin/bash
joe:x:1002:1002:Joe,,,:/home/joe:/bin/bash
root@ubuntusrv:/home/sysadmin#
```

Step 13:

```
[+]                  root@ubuntusrv: /home/sysadmin            Q

root@ubuntusrv:/home/sysadmin# groups jenny joe
jenny : jenny HR
joe : joe HR
root@ubuntusrv:/home/sysadmin#
```

2.1
Step 5:

```
jenny@ubuntusrv:~$ pwd
/home/jenny
jenny@ubuntusrv:~$ cd ..
jenny@ubuntusrv:/home$ ls -l
total 28
drwxr-xr-x   2 iredadmin  iredadmin  4096 Aug   4   2021 iredadmin
drwxr-xr-x   2 iredapd    iredapd    4096 Aug   4   2021 iredapd
drwxr-xr-x   5 jenny      jenny      4096 Dec   7 01:06 jenny
drwxr-xr-x   2 joe        joe        4096 Dec   7 01:04 joe
drwxr-xr-x   2 netdata    netdata    4096 Aug   4   2021 netdata
drwxr-xr-x  22 sysadmin   sysadmin   4096 Mar   9   2022 sysadmin
drwxr-xr-x   2 vmail      vmail      4096 Aug   4   2021 vmail
jenny@ubuntusrv:/home$ _
```

Step 11:

```
sysadmin@ubuntusrv:/home$ ls
iredadmin   iredapd   jenny   joe   netdata   sysadmin   vmail
sysadmin@ubuntusrv:/home$ ls -l
total 28
drwxr-xr-x   2 iredadmin  iredadmin  4096 Aug   4   2021 iredadmin
drwxr-xr-x   2 iredapd    iredapd    4096 Aug   4   2021 iredapd
drwxr-xr-x   5 jenny      jenny      4096 Dec   7 01:06 jenny
drwxr-xr-x   2 joe        joe        4096 Dec   7 01:04 joe
drwxr-xr-x   2 netdata    netdata    4096 Aug   4   2021 netdata
drwxr-xr-x  22 sysadmin   sysadmin   4096 Mar   9   2022 sysadmin
drwxr-xr-x   2 vmail      vmail      4096 Aug   4   2021 vmail
sysadmin@ubuntusrv:/home$ _
```

Step 14:

```
total 28
drwxr-xr-x   2 iredadmin  iredadmin  4096 Aug   4   2021 iredadmin
drwxr-xr-x   2 iredapd    iredapd    4096 Aug   4   2021 iredapd
drwxr-xr-x   5 jenny      jenny      4096 Dec   7 01:06 jenny
drwxr-xr--   2 joe        joe        4096 Dec   7 01:04 joe
drwxr-xr-x   2 netdata    netdata    4096 Aug   4   2021 netdata
drwxr-xr-x  22 sysadmin   sysadmin   4096 Mar   9   2022 sysadmin
drwxr-xr-x   2 vmail      vmail      4096 Aug   4   2021 vmail
root@ubuntusrv:/home#
```

3.1
Step 6

```
drwxr-xr-x   2 iredadmin  iredadmin  4096 Aug   4  2021 iredadmin
drwxr-xr-x   2 iredapd    iredapd    4096 Aug   4  2021 iredapd
drwxr-xr-x   5 jenny      jenny      4096 Dec   7 01:09 jenny
drwx---r-x   5 joe        joe        4096 Dec   7 01:09 joe
drwxr-xr-x   2 netdata    netdata    4096 Aug   4  2021 netdata
drwxr-xr-x  22 sysadmin   sysadmin   4096 Mar   9  2022 sysadmin
drwxr-xr-x   2 vmail      vmail      4096 Aug   4  2021 vmail
joe@ubuntusrv:/home$
```

Step 14

```
jenny@ubuntusrv:/home$ cd joe
jenny@ubuntusrv:/home/joe$ ls
test.txt
jenny@ubuntusrv:/home/joe$ ls -l
total 0
-rw-rw-r-- 1 joe joe 0 Dec  7 01:12 test.txt
jenny@ubuntusrv:/home/joe$
```

Commentary:

In this lab we looked at Linux account management. I've already learned a decent amount about it but learned more on making changing permissions a little bit easier. Knowing this information, companies can set up their files and systems to be accessible only to the right people and not the wrong people.