

# OS-LAB 3

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Sec : BS-SE-4A

## TASK 1

```
devil@Devil: ~$ sudo apt update && upgrade
[sudo] password for devil:
Hit:1 http://pk.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:3 http://pk.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:4 http://pk.archive.ubuntu.com/ubuntu jammy-backports InRelease [107 kB]
Get:5 http://pk.archive.ubuntu.com/ubuntu jammy-updates/main 1386 Packages [436 kB]
Get:6 http://security.ubuntu.com/ubuntu jammy-security/main amd64 DEP-11 Metadata [41.4 kB]
Get:7 http://pk.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [876 kB]
Get:8 http://pk.archive.ubuntu.com/ubuntu jammy-updates/main amd64 DEP-11 Metadata [101 kB]
Get:9 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 DEP-11 Metadata [13.3 kB]
Get:10 http://pk.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [802 kB]
Get:11 http://pk.archive.ubuntu.com/ubuntu jammy-updates/universe 1386 Packages [569 kB]
Get:12 http://pk.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 DEP-11 Metadata [266 kB]
Get:13 http://pk.archive.ubuntu.com/ubuntu jammy-updates/multiverse 1386 Packages [3,176 B]
Get:14 http://pk.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [9,364 B]
Get:15 http://pk.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 DEP-11 Metadata [940 B]
Get:16 http://pk.archive.ubuntu.com/ubuntu jammy-backports/main amd64 DEP-11 Metadata [7,904 B]
Get:17 http://pk.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 DEP-11 Metadata [12.4 kB]
Fetched 3,476 kB in 3s (1,004 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
9 packages can be upgraded. Run 'apt list --upgradable' to see them.
upgrade: command not found
devil@Devil: ~$ sudo apt install samba -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
samba is already the newest version (2:4.15.13+dfsg-0ubuntu1).
The following packages were automatically installed and are no longer required:
chromium-codecs-ffmpeg-extra gstreamer1.0-vapori l965-va-driver intel-media-va-driver libbaas0 libbaos1 libbass9 libbavcodec58 libbavformat58 libbavutil56 libbdplus0 libblas3 libbluray2 libbs2b0
libchromaprint1 libcodecs-1.0 libdavids libflashrom1 libflites libfluid-2 libgme9 libgsm1 libgststreamer-plugins-bad1.0-0 libigmpm12 libilv-0-0 liblun3 libmfx1 libmysofa1 libnorm1 libopenmpt0
libpgm-5.3-0 libpostproc55 librablibm4 librubberband2 libserd-0.0 libshine3 libsnappy1v5 libsndio-0.0 libstrat0-0 libstrat1.4-gnutls libssh-gcrypt-4 libswresample3 libswscale5 libudfread0 libva-drm2
libva-wayland2 libva-x11-2 libva2 libvdpau1 libvidstab1.1 libx265-199 libxvidcore4 libximg2 libxmq5 libxvbi-common libxvbi0 mesa-va-drivers mesa-vdpau-drivers pocketsphinx-en-us va-driver-all
vdpau-driver-all
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 9 not upgraded.
devil@Devil: ~$
```

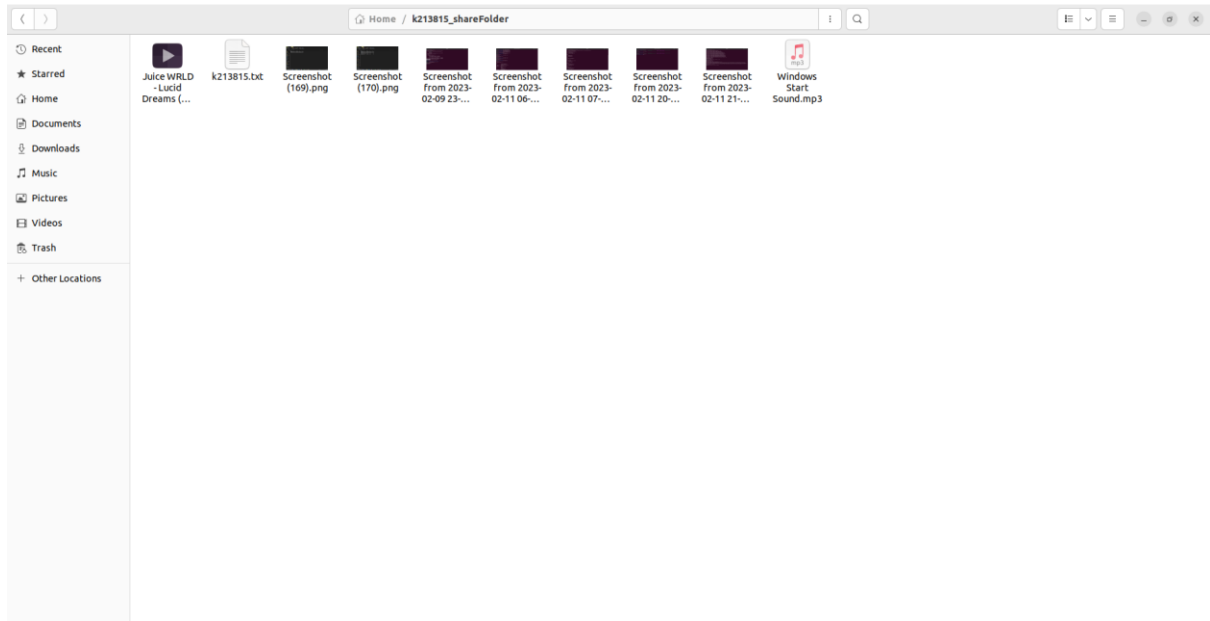
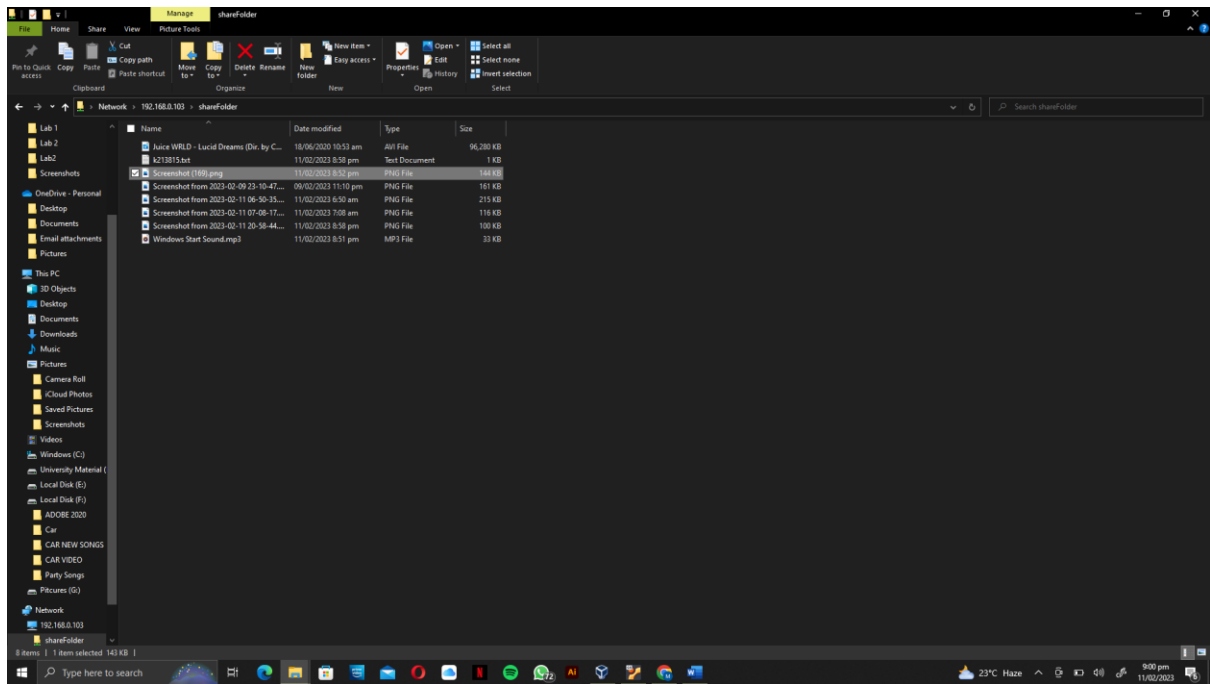
```
devil@Devil: ~$ sudo systemctl status smbd
[sudo] password for devil:
● smbd.service - Samba SMB Daemon
   Loaded: loaded (/lib/systemd/system/smbd.service; enabled; vendor preset:
   Active: active (running) since Thu 2023-02-09 22:36:43 PKT; 32min ago
     Docs: man:smbd(8)
           man:smb.conf(5)
  Process: 5103 ExecStartPre=/usr/share/samba/update-apparmor-samba-profile
 Main PID: 5112 (smbd)
   Status: "smbd: ready to serve connections..."
    Tasks: 4 (limit: 9456)
   Memory: 16.3M
      CPU: 209ms
   CGroup: /system.slice/smbd.service
           └─5112 /usr/sbin/smbd --foreground --no-process-group
             └─5114 /usr/sbin/smbd --foreground --no-process-group
               └─5115 /usr/sbin/smbd --foreground --no-process-group
                 └─5116 /usr/lib/x86_64-linux-gnu/samba/bsm --ready-signal-r

22:36:42 09 قرون Devil systemd[1]: Starting Samba SMB Daemon...
22:36:42 09 قرون Devil update-apparmor-samba-profile[5106]: grep: /etc/apparm
22:36:42 09 قرون Devil update-apparmor-samba-profile[5106]: diff: /etc/apparm
22:36:43 09 قرون Devil systemd[1]: Started Samba SMB Daemon.
lines 1-22/22 (END)
devil@Devil: ~$ mkdir /home/devil/k213815_sharingFolder
devil@Devil: ~$ ls
Desktop Downloads Music Pictures snap Videos
Documents k213815_sharingFolder os_Lab Public Templates
devil@Devil: ~$ cd /home/devil/k213815_sharingFolder
devil@Devil: ~$ sudo useradd k213815
devil@Devil: ~$ sudo smbpasswd -a k213815
New SMB password:
Retype new SMB password:
Added user k213815.
devil@Devil: ~$
```

```
devil@Devil: ~  
pan password change = Yes  
panic action = /usr/share/samba/panic-action %d  
passwd chat = "Enter\\new\\s*\$password:* \\n\\n *Rtype\\snew\\s*\$password:* \\n\\n *password\\supdated\\ssuccessfully* .  
passwd program = /usr/bin/passwd %u  
security = USER  
server role = standalone server  
server string = %h server (Samba, Ubuntu)  
unix password sync = Yes  
usershare allow guests = Yes  
ldap config * : backend = tdb  
  
[printers]  
browseable = No  
comment = All Printers  
create mask = 0700  
path = /var/spool/samba  
printable = Yes  
  
[print5]  
comment = Printer Drivers  
path = /var/lib/samba/printers  
  
[k213815_shareFolder]  
guest ok = Yes  
path = /home/devil/k213815_shareFolder  
read only = No  
valid users = k213815  
write list = k213815  
  
[sharefolder1]  
guest ok = Yes  
path = /home/devil/sharefolder1  
read list = @user2 @user1  
read only = No  
valid users = @user1 @user2  
write list = user1  
  
[sharefolder2]  
guest ok = Yes  
path = /home/devil/sharefolder2  
read list = @user2 @user1  
read only = No  
valid users = @user1 @user2  
write list = user1  
devil@Devil: $
```

## TASK 2

```
devil@Devil: ~/k213815_shareFolder  
devil@Devil: $ cd /home/devil/k213815_shareFolder  
devil@Devil: ~/k213815_shareFolder$ ls  
'Juice WRLD - Lucid Dreams (Dir. by ColeBennett).avi' 'Screenshot (169).png' 'Screenshot from 2023-02-11 06-50-35.png' 'Windows Start Sound.mp3'  
k213815.txt 'Screenshot from 2023-02-09 23-10-47.png' 'Screenshot from 2023-02-11 07-08-17.png'  
devil@Devil: ~/k213815_shareFolder$ cat > k213815.txt  
roll no : 21k-3815  
^C  
devil@Devil: ~/k213815_shareFolder$ ls  
'Juice WRLD - Lucid Dreams (Dir. by ColeBennett).avi' 'Screenshot (169).png' 'Screenshot from 2023-02-11 06-50-35.png' 'Windows Start Sound.mp3'  
k213815.txt 'Screenshot from 2023-02-09 23-10-47.png' 'Screenshot from 2023-02-11 07-08-17.png'  
devil@Devil: ~/k213815_shareFolder$ cat k213815.txt  
roll no : 21k-3815  
devil@Devil: ~/k213815_shareFolder$
```



## TASK 3

```
devll@devll: ~/k213815_shareFolder
devll@devll: ~/k213815_shareFolder$ mkdir /home/devll/sharefolder1
devll@devll: ~/k213815_shareFolder$ mkdir /home/devll/sharefolder1
mkdir: cannot create directory '/home/devll/sharefolder1': File exists
devll@devll: ~/k213815_shareFolder$ mkdir /home/devll/sharefolder2
devll@devll: ~/k213815_shareFolder$ chmod 777 /home/devll/sharefolder1
devll@devll: ~/k213815_shareFolder$ chmod 777 /home/devll/sharefolder2
chmod: Missing operand after '777/home/devll/sharefolder2'
Try 'chmod --help' for more information.
devll@devll: ~/k213815_shareFolder$ chmod 777 /home/devll/sharefolder2
devll@devll: ~/k213815_shareFolder$ sudo useradd user1
devll@devll: ~/k213815_shareFolder$ sudo smbpasswd -a user1
New SMB password:
Retype new SMB password:
Added user user1.
devll@devll: ~/k213815_shareFolder$ sudo smbpasswd -a user2
New SMB password:
Retype new SMB password:
Failed to add entry for user user2.
devll@devll: ~/k213815_shareFolder$ sudo smbpasswd -a user2
New SMB password:
Retype new SMB password:
Failed to add entry for user user2.
devll@devll: ~/k213815_shareFolder$ sudo smbpasswd -a user2
New SMB password:
Retype new SMB password:
Failed to add entry for user user2.
devll@devll: ~/k213815_shareFolder$ sudo useradd user2
devll@devll: ~/k213815_shareFolder$ sudo smbpasswd 0a user2
When run by root:
    smbpasswd [options] [username]
otherwise:
    smbpasswd [options]

options:
  -L          local mode (must be first option)
  -h          print this usage message
  -s          use stdin for password prompt
  -c smb.conf file Use the given path to the smb.conf file
  -D LEVEL    debug level
  -r MACHINE  remote machine
  -U USER     remote username (e.g. SAM/user)
extra options when run by root or in local mode:
  -a          add user
  -d          disable user
  -e          enable user
  -l          interdomain trust account
  -n          machine trust account
  -N          set no password
  -W          use stdin ldap admin password
  -w PASSWORD ldap admin password
```

```
devll@devll: ~
pan password change = Yes
panic action = /usr/share/samba/panic-action %d
passwd chat = "Enter\\new\\password:" %n %n "Retype\\new\\password:" %n %n "password\\updated\\successfully" .
passwd program = /usr/bin/passwd %u
security = USER
server role = standalone server
server string = sh server (Samba, Ubuntu)
unix password sync = Yes
usershare allow guests = Yes
ldap config * : backend = tdb

[printers]
browseable = No
comment = All Printers
create mask = 0700
path = /var/spool/samba
printable = Yes

[print$]
comment = Printer Drivers
path = /var/lib/samba/printers

[k213815_shareFolder]
guest ok = Yes
path = /home/devll/k213815_shareFolder
read only = No
valid users = k213815
write list = k213815

[sharefolder1]
guest ok = Yes
path = /home/devll/sharefolder1
read list = @user2 @user1
read only = No
valid users = @user1 @user2
write list = user1

[sharefolder2]
guest ok = Yes
path = /home/devll/sharefolder2
read list = @user2 @user1
read only = No
valid users = @user1 @user2
write list = user1
devll@devll: $
```

