RHSA 2 - LAB 1

1.Use systematl to view the status of all the system services.

```
LOAD ACTIVE SUB DESCRIPTION

loaded active running Accounts Service
loaded active running Manage Sound Card State (restore and store)
loaded active running Security Auditing Service
loaded active running Avahi mDNS/DNS-SD Stack
loaded active running Nanage, Install and Generate Color Profiles
loaded active running Command Scheduler
loaded active running Command Scheduler
loaded active running D-Bus System Message Bus
loaded active running D-Bus System Message Bus
loaded active running Jirewalld - dynamic firewall daemon
loaded active running firewalld - dynamic firewall daemon
loaded active running Firmare update daemon
loaded active running GSSAPI Proxy Daemon
loaded active running GSSAPI Proxy Daemon
loaded active exited
loaded active exited
loaded active exited
loaded active exited
loaded active running Location Looput Service
loaded active exited
loaded active running
loaded active exited
loaded active running
loaded active running
loaded active in the properties of the current kernel
loaded active running
loaded a
alma >> systemctl list-units --type=service
                                                                                                                                                                                                                                                                                                                                                                                                                                            ACTIVE SUB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DESCRIPTION
   UNII
accounts-daemon.service
alsa-state.service
atd.service
auditd.service
avahi-daemon.service
bluetooth.service
      chronyd.service
colord.service
    crond.service
cups.service
dbus.service
    dracut-shutdown.service
firewalld.service
fwupd.service
    gdm.service
geoclue.service
      gssproxy.service
      import-state.service
irqbalance.service
      iscsi-shutdown.service
kmod-static-nodes.service
 ksm.service
ksmtuned.service
libstoragemgmt.service
lvm2-monitor.service
lvm2-pyscan@8:7.service
mcelog.service
ModemManager.service
netcf-transaction.service
NetworkManager-wait-online.service
NetworkManager.service
packagekit.service
plymouth-quit-wait.service
      ksm.service
      plymouth-quit-wait.service
plymouth-read-write.service
plymouth-start.service
```

2. Change the default run level back to multi-user.target and reboot.

```
smabrouk@locathost-

File Edit View Search Terminal Help

Salma >> systemctl set-default multi-user.target

Removed /etc/systemd/system/default.target.

Created symlink /etc/systemd/system/default.target → /usr/lib/systemd/system/multi-user.target.

Salma >>
```

- 3. Send mail to the root user.
- 4. Verify that you have received this mail.

```
| Toot@localhost:- | Toot@localh
```

5.Use systematl utility to stop postfix service.

```
© smabrouk@localhost-- ×
File Edit View Search Terminal Help
Salma >> systemctl stop postfix
Salma >>
```

- 6.Send mail again to the root user.
- 7. Verify that you have received this mail.

```
root@localhost- x

File Edit View Search Terminal Help

Salma >> echo "hello root" | mailx root -s "hey root"

Salma >> su -
Password:
[root@localhost ~]# mailx

Heirloom Mail version 12.5 7/5/10. Type ? for help.
"/var/spool/mail/root": 3 messages 2 unread
1 Salma Mabrouk Thu Dec 8 14:01 23/880 "asd"

U 2 Salma Mabrouk Thu Dec 8 14:11 23/880 "asd"

U 3 Salma Mabrouk Sat Dec 24 00:20 23/883 "hi"

&
```

8.Use systemetl utility to start postfix service

```
© smabrouk@localhost- x
File Edit View Search Terminal Help
Salma >> systemctl start postfix
Salma >> ■
```

9. Verify that you have received this mail.

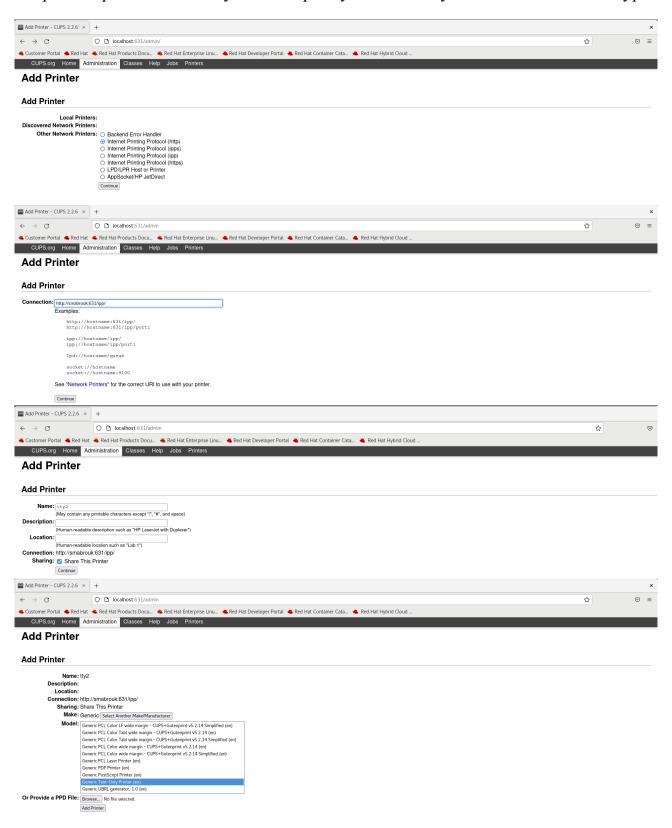
```
File Edit View Search Terminal Help

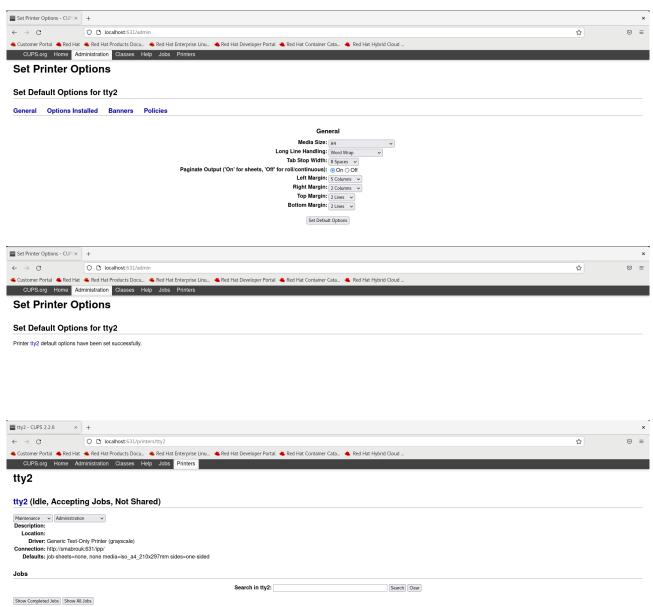
Salma >> su -
Password:
[root@localhost ~]# mail
Heirloom Mail version 12.5 7/5/10. Type ? for help.
"/var/spool/mail/root": 3 messages
> 1 Salma Mabrouk Thu Dec 8 14:08 22/879
2 Salma Mabrouk Thu Dec 8 14:11 23/881 "asd"
3 Salma Mabrouk Sat Dec 24 00:20 23/884 "hi"
&
```

10.Edit in the GRUB2 configuration file and change the timeout variable equal 20 seconds.

11.Edit in the GRUB2 configuration file and change your default operating system.

12.Install a new printer called "tty12" using the system-config-printer utility. Have the printer queue be "/dev/tty12" and specify a "Text Only Printer" for its model type.

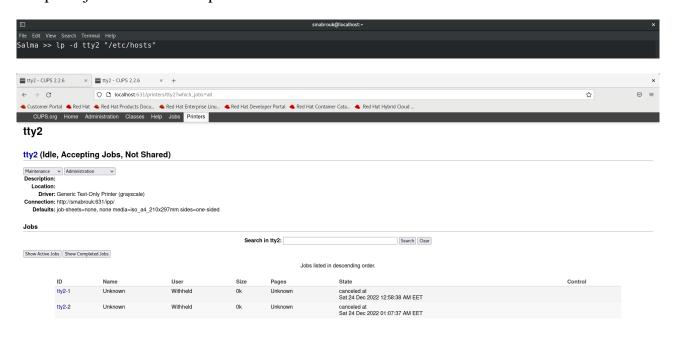




Jobs listed in print order; held jobs appear first.



13.Print the file /etc/hosts to the printer and view the /dev/tty12 console to ensure that the print job went to the "printer".



14.Prevent jobs from leaving the tty12 printer queue to the printer. Do not prevent users from sending jobs to the tty12 printer queue.

```
smabrouk@localhost/etc x

tty2-CUPS 2.26 learch Terminal Help

Salma >> cups disable tty2

Salma >> lpstat -p

printer tty2 disabled since Sat 24 Dec 2022 01:10:09 AM EET -

Paused

Salma >>
```

15.Print three files (/etc/hosts, /etc/xinetd.conf, and /etc/hosts.allow) to the tty12 printer.

```
smabrouk@localhost/etc/hosts x

File Edit View Search Terminal Help

Salma >> lp -d tty2 "etc/xinetd.conf"
lp: Error - unable to access "etc/xinetd.conf" - No such file or directory

Salma >> lp -d tty2 "/etc/hosts.allow"
lp: Error - unable to access "/etc/hosts.allow" - No such file or directory

Salma >>
```

16. View the print queue.

```
smabrouk@localhost/etc/hosts x

File Edit View Search Terminal Help

Salma >> lpq
lpq: Error - no default destination available.

Salma >> lpq -a
no entries
Salma >>
```

17.Remove the second print job from the tty12 printer queue, and then allow the print jobs from the queue to be printed.

```
smabrouk@localhost/etc/hosts ×
File Edit View Search Terminal Help
Salma >> lprm 2
lprm: Job #2 is already canceled - can't cancel.
Salma >> |
```

- 18.Prevent print jobs from going to the tty12 printer's print queue.
- 19. Verify this by trying to print the /etc/hosts file.

```
smabrouk@localhost/etc/hosts ×
File Edit View Search Terminal Help
Salma >> cupsreject tty2
Salma >> lp -d tty2 "/etc/hosts"
lp: Destination "tty2" is not accepting jobs.
Salma >>
```

20.Delete the tty12 printer with the lpadmin command.

```
smabrouk@locathost/etc/hosts ×

File Edit View Search Terminal Help

Salma >> lpadmin -p tty2 -c class1

Salma >> lpadmin -p tty2 -r class1

Salma >> lpstat -c class1

lpstat: Invalid destination name in list "class1".

Salma >> 

Salma >>
```