

Assignment 11: Log files

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Exercise A: Step 2

```
[root@localhost ~]# ls -F /var/log
amanda/          libvirt/          spooler-20191029
anaconda/        maillog           spooler-20191112
audit/           maillog-20191001 sssd/
boot.log         maillog-20191014 swtpm/
boot.log-20191001 maillog-20191029 tallylog
boot.log-20191014 maillog-20191112 tuned/
boot.log-20191029 messages         vmware-network.1.log
boot.log-20191104 messages-20191001 vmware-network.2.log
boot.log-20191112 messages-20191014 vmware-network.3.log
boot.log-20191115 messages-20191029 vmware-network.4.log
btmtp            messages-20191112 vmware-network.5.log
btmtp-20191104   ntpstats/        vmware-network.6.log
chrony/          pluto/           vmware-network.7.log
cron             ppp/             vmware-network.8.log
cron-20191001    qemu-ga/         vmware-network.9.log
cron-20191014    rhsm/            vmware-network.log
cron-20191029    sa/              vmware-vgauthsvc.log.0
cron-20191112    samba/           vmware-vmssvc.log
cups/            secure           wpa_supplicant.log
dmesg            secure-20191001  wtmp
dmesg.old        secure-20191014  Xorg.0.log
firewalld        secure-20191029  Xorg.0.log.old
gdm/             secure-20191112  Xorg.1.log
glusterfs/       speech-dispatcher/ Xorg.9.log
grubby_prune_debug spooler          yum.log
httpd/           spooler-20191001
lastlog          spooler-20191014
[root@localhost ~]#
```

This is the result of `ls -F /var/log`. I found `boot.log`, `cups/`, `dmesg`, `gdm/`, `messages`, `secure`, and `yum.log`, but I could not find `auth.log`.

Exercise A: Step 4

```
[root@localhost ~]# tail -f /var/log/dmesg
[ 9.033395] alg: No test for __generic-gcm-aes-aesni (__driver-generic-gcm-aes-aesni)
[ 9.329984] ppdev: user-space parallel port driver
[ 9.335012] Adding 2097148k swap on /dev/mapper/centos-swap. Priority:-2 extents:1 across:2097148k FS
[ 9.818626] floppy0: no floppy controllers found
[ 9.818656] work still pending
[ 10.135612] type=1305 audit(1574914770.564:3): audit_pid=6495 old=0 auid=4294967295 ses=4294967295 subj=system_u:system_r:auditd_t:s0 res=1
[ 10.141498] RPC: Registered named UNIX socket transport module.
[ 10.141501] RPC: Registered udp transport module.
[ 10.141502] RPC: Registered tcp transport module.
[ 10.141503] RPC: Registered tcp NFSv4.1 backchannel transport module.
```

These are the tail contents of the `/var/log/dmesg` file.

Exercise B: Step 2

```
[jesserussell@localhost ~]$ lpc status
MyPrinter:
    printer is on device 'serial' speed -1
    queuing is enabled
    printing is enabled
    no entries
    daemon present
[jesserussell@localhost ~]$
```

This is the status of my printer I just created.

Exercise B: Step 4

```
[jesserussell@localhost ~]$ lpq
MyPrinter is ready and printing
Rank   Owner   Job    File(s)
1st    jesseru 1      (stdin)
active jesseru 2      LargeFile
[jesserussell@localhost ~]$
```

		Total Size
		0 bytes
		1073741824 bytes

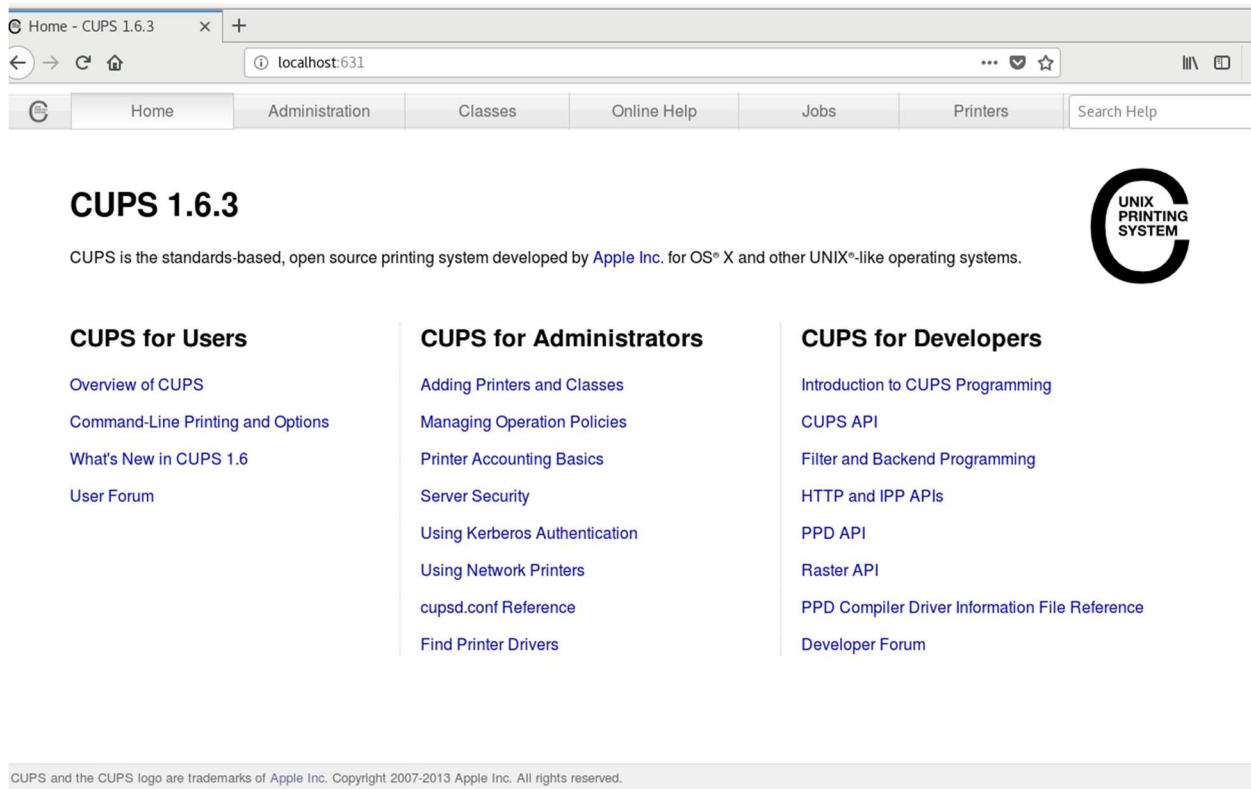
My large file created with fallocate is in the print queue.

Exercise B: Step 5

```
[jesserussell@localhost ~]$ lprm
[jesserussell@localhost ~]$ lpq
MyPrinter is ready
no entries
[jesserussell@localhost ~]$
```

The print queue has been cleared.

Exercise B: Step 7




The screenshot shows a web browser window with the address bar set to `localhost:631`. The browser's navigation bar includes buttons for Home, Administration, Classes, Online Help, Jobs, Printers, and a Search Help field. The main content area displays the CUPS 1.6.3 homepage. At the top left, it says "CUPS 1.6.3" and below it, "CUPS is the standards-based, open source printing system developed by Apple Inc. for OS® X and other UNIX®-like operating systems." To the right is the CUPS logo, a large 'C' with "UNIX PRINTING SYSTEM" inside. Below the header, there are three columns of links: "CUPS for Users" (Overview of CUPS, Command-Line Printing and Options, What's New in CUPS 1.6, User Forum), "CUPS for Administrators" (Adding Printers and Classes, Managing Operation Policies, Printer Accounting Basics, Server Security, Using Kerberos Authentication, Using Network Printers, cupsd.conf Reference, Find Printer Drivers), and "CUPS for Developers" (Introduction to CUPS Programming, CUPS API, Filter and Backend Programming, HTTP and IPP APIs, PPD API, Raster API, PPD Compiler Driver Information File Reference, Developer Forum). At the bottom, a footer states: "CUPS and the CUPS logo are trademarks of Apple Inc. Copyright 2007-2013 Apple Inc. All rights reserved."

I was able to access the print server via the web browser.

Exercise B: Step 8

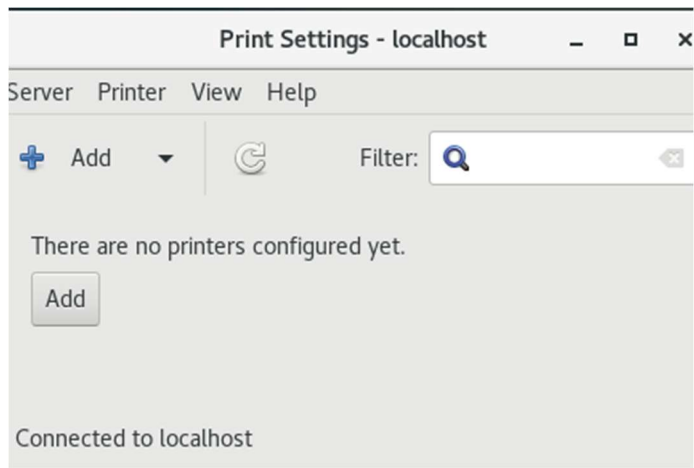
```
[root@localhost ~]# netstat -lp | grep -i cupsd
tcp        0      0 0.0.0.0:ipp          0.0.0.0:*            LISTEN      7036/cupsd
tcp6       0      0 [::]:ipp            [::]:*                LISTEN      7036/cupsd
[root@localhost ~]#
```



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Based on my observations cupsd is listening on port 7036.

Exercise B: Step 9



My printer has been deleted.