**CUPS:**

If it has a built in print server or HP jet direct: beh:///1/0/30/socket://lpt01s (telnet IP 9100)

If it’s on jet direct port 2: beh:/1/0/30/socket://lpt01s:9101 (telnet IP 9101)

If it has an external LPD (hawking): beh:/1/0/30/lpd://lpt01s/lpt1 (515)

Milan print server: beh:/1/0/30/socket://lpt01s:2000 (telnet IP 2000 and 2002 to configure)

Drivers: <http://www.openprinting.org/printers>

To install drivers: /usr/share/cups/model

Restart service: service cups restart

Access: http://serverip:631

**TP004\_LASER**

In CUPS set it up as: “HP LaserJet 4 Plus Foomatic/ljet4” (HEWLETT-PACKARD or download the driver)

PRINTER 1

1) PRINTER DESCRIPTION.......: FRONTDSKHP551

2) TYPE......................: LASER PRINTER

3) PRINTER LOCATION..........: FRONTDESK

4) PRINTER MAKE/MODEL........: HPM551N

5) PRINT SERVER MAKE/MODEL...: BIN

6) OK FOR ORDER/INVOICES.....: YES

7) COMPRESS PRINT (132 COLS).: YES

8) IS A UNIX SPOOLER.........: YES

9) POSTSCRIPT SUPPORT........: YES

10) PDF SUPPORT...............: YES

11) PCL SUPPORT...............: YES

12) DUPLEX SUPPORT............: YES

13) PDS PORT..................: 301 (Starts at 301 ends at 399 in port list!)

14) PDS PRINTER DRIVER........: $LPT01S

15) UNIX DEVICE NAME..........: lpt01s

16) UNIX PRINT COMMAND........: lp.spool -cd lpt01s

17) IP ADDRESS................: 192.168.5.4

If larger font needed remove the “-c” option.

Margins: “lp.spool -o cpi=16.66 -o lpi=6.10 -m l=10 -m t=36 -m b=36 -d lpt01s”

Multiple copies:” lp.spool -c -n 3 -d lpt01s”

Tray’s: ”lp.spool -s -c -t Tray2 -d lpt01s” (or use the driver)

Duplex: “lp.spool -s -c -o InputSlot=Middle -o sides=two-sided-short-edge -d lpt01s” (or use the driver)

The –x or –r commands never needed.

The –s command only used on SCO! On Linux we never use it (It can miss align everything).

If LDP doesn’t work check the permission on “ls –l /usr/lib/cups/backend/\*” It must be “chmod 755 /usr/lib/cups/backend/\*”

**TP004\_Line Printer (Okidata)**

In CUPS set it up as: “Okidata ML 320 Foomatic/okiibm (recommended)” (OKIDATA)

If other than OKI:”Local Raw Printer” (RAW)

PRINTER 1

1) PRINTER DESCRIPTION.......: COUNTEROKI320

2) TYPE......................: LINE PRINTER

3) PRINTER LOCATION..........: COUNTER

4) PRINTER MAKE/MODEL........: OKI 320

5) PRINT SERVER MAKE/MODEL...: HAWKING

6) OK FOR ORDER/INVOICES.....: YES

7) COMPRESS PRINT (132 COLS).: NO

8) IS A UNIX SPOOLER.........: YES

9) POSTSCRIPT SUPPORT........: NO

10) PDF SUPPORT...............: NO

11) PCL SUPPORT...............: NO

12) DUPLEX SUPPORT............: NO

13) PDS PORT..................: 301 (Starts at 301 ends at 399 in port list!)

14) PDS PRINTER DRIVER........: $LPT01S

15) UNIX DEVICE NAME..........: lpt01s

16) UNIX PRINT COMMAND........: lp.spool -a '\f' -cxd lpt01s

17) IP ADDRESS................: 192.168.5.12

If stair stepping add “-x” (line wrap)

If it prints junk try to add “-r” (raw)

If it doesn’t line up. Check the emulation or use the “RAW” driver.

LPI/CPI: “lp.spool -o cpi=10.00 -o lpi=6.00” (Or edit the printer)

If we want no overlays: Say no to PCL/PS/PDF

**Working CUPSD.CONF** (I transfer this with the setup)

MaxLogSize 2000

LogLevel info

SystemGroup sys root

# Allow remote access

Port 631

Listen /var/run/cups/cups.sock

# Disable printer sharing and shared printers.

Browsing Off

DefaultAuthType Basic

DefaultEncryption IfRequested

<Location />

Allow All

# Allow remote administration...

Order allow,deny

Allow All

</Location>

<Location /jobs>

AuthClass System

AuthType Basic

Allow from All

</Location>

<Location /admin/conf>

AuthType Default

Allow All

# Allow remote access to the configuration files...

Order allow,deny

Allow All

</Location>

<Policy default>

<Limit Send-Document Send-URI Hold-Job Release-Job Restart-Job Purge-Jobs Set-Job-Attributes Create-Job-Subscription Renew-Subscription Cancel-Subscription Get-Notifications Reprocess-Job Cancel-Current-Job Suspend-Current-Job Resume-Job CUPS-Move-Job>

Order allow,deny

</Limit>

<Limit CUPS-Add-Modify-Printer CUPS-Delete-Printer CUPS-Add-Modify-Class CUPS-Delete-Class CUPS-Set-Default>

AuthType Default

Order allow,deny

</Limit>

<Limit Pause-Printer Resume-Printer Enable-Printer Disable-Printer Pause-Printer-After-Current-Job Hold-New-Jobs Release-Held-New-Jobs Deactivate-Printer Activate-Printer Restart-Printer Shutdown-Printer Startup-Printer Promote-Job Schedule-Job-After CUPS-Accept-Jobs CUPS-Reject-Jobs>

AuthType Default

Order allow,deny

</Limit>

<Limit CUPS-Authenticate-Job>

Order allow,deny

</Limit>

<Limit All>

Order allow,deny

Allow All

</Limit>

</Policy>

# Allow remote administration...

<Location /admin>

Order allow,deny

Allow All

</Location>

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