

# LPD Printing Setup Procedures at Various Unix System

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- To change following system values, you must have **root** privilege except for executing "lp" or "lpr"... etc. command to print files.
- **lpt1** means the first port of the Print Server, use **lpt2** and **com** to refer to the other print ports.

## AT&T MITUX System V (Release 4.2 Version 2)

1. Edit /etc/hosts file to add an entry for IP address and host name of print server. (ex. **192.168.23.2 DP300**)
2. In "Desktop\_root", double click "System\_setup", → "Printer Setup".
3. Select "Printer" → "New" → "Remote" at the window's menu.
4. Input "Printer Name" → **printer1** (any name, for print command use)  
"Type" → (Printer type)  
"Remote System Name" → **DP300**  
"Remote Printer Name" → **lpt1**  
"Remote Operation System is" → (select BSD)
5. Use "lp" command to print file.

## DEC UNIX (ULTRIX)

1. Edit /etc/hosts file to add an entry for IP address and host name of print server . (ex. **192.168.23.2 DP300**)
2. # **lprsetup**
3. answer some question to lprsetup  
Command : "**add**"  
Name of the printer: "**priter1**" (any name, for print command use)  
Printer type: "**remote**"  
Printer synonyms: (Enter)  
Spooler directory: "/usr/spool/lpd" (use default value)  
remote hosts name: "**DP300**"  
remote printer name: "**lpt1**" ( **lpt1\_TEXT** ) for text print
4. OK.

## DEC VAX/VMS (UCX)

1. Edit /etc/hosts file to add an entry for IP address and host name of print server . (ex. **192.168.23.2 DP300**)
2. Start UCX, and after some message for setting up system files, you might see “Do you want to configure LPD [YES]” → **y**
3. **\$ SET DEF SYS\$SYSTEM**  
**\$ RUN UCX\$LPRSETUP**
4. After some message, you might see:  
Command < add exit view help >: **add**
5. Enter printer name to add: **printer1** (any name, for print command use)  
Enter the FULL name of the following printer type:  
remote local: **remote**
6. Set remote system name “rm” [] ? → **DP300**
7. Set remote system printer name “rp” [] ? → **lpt1 ( lpt1\_TEXT )** for text print

DGUX data general unix v5.4r3.10

datasouth documax a3302 line printer lpt2;  
printing garbled - moved port to slow speed

From U.S.

## HP UX Version 9.05 (in HP 9000)

1. Edit /etc/hosts file to add an entry for IP address and host name of print server.  
(ex. **192.168.23.2 DP300**)
2. Execute “**sam**” in the Motief Windows system.
3. Select “Printers and plotters” → “Printers /plotters”
4. Press “Actions” → “Add remote Printer/Plotter” → “Add”
5. Input “Printer name:” → **printer1** (any name, for print command use)  
“Remote system name:” → **DP300**  
“Remote printer name:” → **lpt1**  
“Remote cancel mode:” rcomodel (default value)  
“Remote status mode:” rsmodel (default value)  
Select Remote Printer is on "a BSD system"
6. Use "lp" command to print file.

## **IBM AIX (RS/6000)**

1. Edit /etc/hosts file to add an entry for IP address and host name of print server. (ex. **192.168.23.2 DP300**)
2. \$ **smin** (or smit)
3. select "Spooler (Print job)"
4. select "manage remote printing subsystem"
5. select "Client Services"
6. select "Remote Printer Queues"
7. select "Add a remote printer queue"
8. In the dialog box:
  - Name of queue to add → **lpt1 ( lpt1\_TEXT )** for text print
  - Destination Host → **DP300**
  - Name of Queue on remote printer → (any name)
  - Name of Device to add → **printer1** (any name, for print command use)
10. save and leave
11. type "**eng -A**" to check printer created ready.

## **IBM AIX4.1.4.0 (in IBM250T Power PC)**

1. Edit /etc/hosts file to add an entry for IP address and host name of print server. (ex. **192.168.23.2 DP300**)
2. \$ **smin** (or smit)
3. select "Print Spooling"
4. select "Add a Print Queue"
5. select "Remote"
6. select "standard processing" (you can add "filter" in this step)
7. In the dialog box:
  - Name of QUEUE to add → **lpt1 ( lpt1\_TEXT )** for text print
  - Host Name of Remote Server → **DP300**
  - Name of Queue on Remote Server → **printer1** (any name, for print command use)
  - TYPE of Print spooler on remote server → (select BSD)
8. save and leave.

## Linux SlackWare

1. Edit /etc/hosts file to add an entry for IP address and host name of print server. (ex. **192.168.23.2 DP300**)
2. Add entry in /etc/printcap  
printer1|printer1|DP300 lpt1:\  
:lp=\\  
:rm=**DP300**:\  
:rp=**lpt1**:\  
:sd=**/use/spool/lp/printer1**:\  
:mx#0:\  
:pw#0:
3. Create directory /usr/spool/lp/printer1
4. # **lpc start printer1**
5. # **lpr -p printer1 TEXT1**  
( "printer1" is any name, for print command use.  
"TEXT1" is the file which you want to print out. )

## Linux RedHat 4.0

In the RedHat Xwindow user interface:

1. Edit /etc/hosts file to add an entry for IP address and host name of print server. (ex. **192.168.23.2 DP300**)
2. Double Click "Printer Configuration"
3. Click "Add" → "Remote Unix(LPD) Queue" → "OK"
4. Input Names (name1[name2]\*): xxxx  
Spool Directory : xxxx  
File Limit in Kb (0=no limit):  
Remote Host : **DP300**  
Remote Queue : **lpt1**
5. At menu, Select "lpd" → "Restart lpd"

### **Sco Unix System V/386 Release 3.2v4.1**

1. Edit /etc/hosts file to add an entry for IP address and host name of print server. (ex. **192.168.23.2 DP300**)
2. # **cd /dev**
3. # **mkdev rlp**
4. Do you want to install or delete remote printing (i/d/q)? **i**
5. Do you want to change the remote printer description file /etc/printcap(y/n)?  
**y**
6. Please enter the printer name (q to quit): **lpt1**
7. Is LPT1 a remote printer or a local printer (r/l)? **r**
8. Please enter the name of the remote host that LPT1 is attached to: **DP300**
9. Is this correct? (y/n) **y**
10. Would you like this to be the system default printer? (y/n) **y**
11. Please enter the printer name (q to quit): **q**
12. Do you want to start remote daemon now (y/n)? **y**
13. Use "lp" command to print file.

### **SCO Open Server Release 5.0.0**

1. From "Desktop" window, double click "System Administration" → "Printer" → "Printer Manager"
2. Select "Printer" → "Add Remote" → "UNIX"
3. Input printer server's IP address into "Host"
4. Input port name(**lpt1**) into "Printer"
5. Select "OK" to finish setting.
6. Use "lp" command to print file.

### **SunOS Release 4.1.4**

1. Edit /etc/hosts file to add an entry for IP address and host name of print server. (ex. **192.168.23.2 DP300**)
2. Add entry in /etc/printcap.  
printer1|printer1|DP300 lpt1:\  
:lp=:\

```
:sd=/usr/spool/printer1:\n:mx#0:\n:pw#0:\n:rm=DP300:\n:rp=lpt1:
```

3. Create directory /usr/spool/printer1
4. Use "lp" command to print file

### **SunOS Version 5.4(Solaris 2.4) command mode**

1. Edit /etc/hosts file to add an entry for IP address and host name of print server.  
(ex. **192.168.23.2 DP300**)
2. \$ lpsystem -tbsd DP300
3. \$ lpadmin -pprinter1 -sDP300|lpt1
4. \$ accept printer1
5. \$ enable printer1

### **SunOS Version 5.4(Solaris 2.4) Openwindow3.4**

1. Edit /etc/hosts file to add an entry for IP address and host name of print server. (ex. **192.168.23.2 DP300**)
2. Execute "admintool" in Openwindow.
3. Click "Printer Manager" Icon.
4. Select "Edit" → "Add Printer" → "Add Access to Remote Printer."
5. Input "Printer Name" → **lpt1**  
"Printer Server" → **DP300**  
"Printer Server OS" → (Select BSD)
6. Use "lp" command to print file.

### **UNIX WARE**

1. From "Desktop" window, double click "Admin\_tool" → "Printer\_Setup" → "Printer" → "Printer Manager"
2. Select "Printer" → "Add UNIX Printer"
3. Input Local printer name into "Local Printer Name"
4. Select Printer Model.
5. Input print server's IP address into "Selection"
6. Input port name(**lpt1**) into "Remote Printer Name"
7. Use "lp" command to print file.