



# Tech Info Library

## ABS Tech Note: AWS24 Config Additional ATalk Printer lpr (6/94)

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TOPIC -----

This technical note is a quick guide to configuring multiple AppleTalk printers for use with lpr. This procedure is only necessary when configuring a remote printer, that is, a printer somewhere on the network rather than one connected directly (through a serial connection) to the AWS 95.

DISCUSSION -----

The following example adds an AppleTalk printer called NewPrinter to the lpr spooling system.

1) Edit /etc/printcap to include the following entry.

```
lp|NewPrinter|AppleTalk|postscript|PostScript:\
    :lp=/dev/null:\
    :if=/usr/spool/lpd/NewPrinter/ifilter:\
    :of=/usr/spool/lpd/NewPrinter/ofilter:\
    :nf=/usr/spool/lpd/NewPrinter/nfilter:\
    :sd=/usr/spool/lpd/NewPrinter:
```

This entry sets NewPrinter as the default printer. The special name lp in the above entry is used to designate NewPrinter as the default printer. Please note that there can be only one default printer.

All the names in the first line of the above entry are synonyms for the printer you are configuring. Any of these names may be used when invoking lpr from CommandShell.

2) Set up a special spooling directory to hold print requests for the newly added printer.

```
cd /usr/spool/lpd
mkdir NewPrinter
```

Make sure to have the owner and group correctly set to daemon on the spooling directory, and also that permissions are set to 775.

3) Set up the filters.

```
cd /usr/spool/lpd/NewPrinter
cp ../AppleTalk/ifilter
```

Make sure to have 755 permissions on the file ifilter.

- 4) You need to specify the printer information that you would normally enter through the Chooser. You do this by editing the Printer variable in the file ifilter. For example:

```
Printer="NewPrinter:LaserWriter@De Anza 3/1st Floor"
```

Link ifilter to two other files as shown below.

```
ln ifilter ofilter
ln ifilter nfilter
```

- 5) Make sure that lpd daemon is running.
- 6) Enable and start the printer using the lpc command. For example, enter the following commands:

```
lpc enable NewPrinter
lpc start NewPrinter
```

Once the printer is enabled and the spooling daemon is started, enter either of the following commands from CommandShell.

```
lpr filename
or
lpr -PNewPrinter filename
```

For filename, type the name of the file you want to print. In both the above cases, the file will be printed to the printer NewPrinter, since it is the default printer.

You can use this procedure to configure additional printers to the spooling system and enable printing with lpr.

For more information on setting up the printer, see "Printing from CommandShell" in Server Administration With A/UX 3.0.1. For more information on troubleshooting techniques, see "Troubleshooting the LPR system" in Chapter 9 of Setting Up and Managing Your Server.

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