

## Using the Infoprint Manager Line Printer Daemon (LPD)

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The Infoprint Manager LPD is a utility that allows you to submit print jobs from other operating systems using a Line Printer (LPR) client. The Infoprint Manager LPD replaces the Microsoft TCP/IP Printing LPD, however it submits the files it receives directly to an Infoprint destination, not a Windows printer. It also supports the -o options that are available with some LPR clients. (-o options allow you to specify advanced Infoprint print options such as formdefs and pagedefs.)

Only one LPD can run on your Infoprint Manager server system at a time. If you have the Microsoft TCP/IP Printing LPD installed, Infoprint Manager will disable it and enable the Infoprint Manager LPD. If you would prefer to use the Microsoft TCP/IP Printing LPD, use the Management Console to change the service configuration. Refer to the Management Console help for further instructions.

**Important:** If you have a different LPD installed, Infoprint Manager will **not** disable it, but it will install and start the Infoprint Manager LPD. You must stop one of the LPDs before you try to submit a print job using an LPR client.

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## Submitting Print Jobs through the Infoprint Manager LPD

To submit jobs to the Infoprint Manager LPD with an LPR client, you do not have to create a Windows gateway printer or install any Infoprint client software. You must, however, install an LPR client on the system that you are submitting jobs from. You can use any LPR client, but if you want to be able to specify advanced Infoprint options on the -o flag, you must make sure that your LPR client supports -o options. Sample code for an LPR client called **lprafp** is provided with Infoprint Manager for AIX and is available as a free download from the IBM Printing Systems website at <http://www.ibm.com/printers>. On the IBM Printing Systems home page, click **Support** in the left hand navigation bar, then click **Downloads, fixes, drivers, and updates**, and then **Tools (Unsupported ASIS)**. Find the **lprafp-LPR sample code package** link under **Multiple Systems**. The package includes executable forms of the lprafp client for the Windows and AIX platforms. You can compile this code to use it on other platforms as well.

**Note:** The Microsoft LPR client supports a -o flag, but it is not the same as the Infoprint -o. Any values you pass to Infoprint Manager using the Microsoft -o flag will be lost. In addition, some LPR clients provide print control functions, such as landscape print. The Infoprint Manager LPD does not support these options.

## Preparing to Submit Print Jobs

When you submit jobs to the Infoprint Manager LPD, it uses a mapping file to match the keywords you specify on the -o option with Infoprint attributes. A sample mapping file comes with Infoprint Manager for Windows NT and Windows 2000; before you submit any print jobs to the Infoprint Manager LPD, you should modify this file to meet your needs.

To modify the mapping file do the following.

1. Open the file <install path>\var\pd\lpd\lpdmap.txt (where <install path> is the directory where Infoprint Manager is installed) in a text editor such as Notepad.
2. Read all of the instructions in the mapping file before you make any changes.
3. Edit the mappings as necessary and save the file using the same name.

Because all LPR clients use different keywords, it is impossible to list them all. The mappings listed are "best guess" mappings, and may not generate the results you need. The best way to see what values you need to add or change is to uncomment the line that reads:

```
* DEBUG
```

and save the file. (To uncomment the line, delete the \*.) Submit a print job through the LPD and check the output. If the job fails or if it prints incorrectly, check the error messages in the server log in the Management Console. Use them to help determine which keywords are missing or mapped incorrectly. When you are finished, be sure to open the mapping file and comment the DEBUG line out again.

## Submitting Print Jobs

When you submit print jobs using the LPR client, all you need to specify is the Infoprint Manager server and the name of an Infoprint destination (logical or actual). The Infoprint Manager LPD will submit the job to the Infoprint print spool. Back to Administrator procedures