

Using the LPD Gateway with Infoprint Manager for AIX

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You can use the AIX line printer daemon (**LPD**) to submit jobs through the LPD Gateway to an Infoprint AIX server. **LPD** is a subsystem that allows you to submit print jobs from other operating systems using a Line Printer (**LPR**) client. The AIX **LPD** submits the files it receives directly to an Infoprint destination and supports the **-o** options that are available with the AIX **LPR** clients. (**-o** options allow you to specify advanced Infoprint print options, such as form definitions and page definitions. For more information about using **-o** options with AIX print commands, see *Infoprint Manager: Reference* (S544-5475).)

This topic describes the different **LPR** clients that you can use to send print jobs to IBM Infoprint Manager for AIX:

- “Submitting Print Jobs through the LPD from an AIX System”.
- “Submitting Print Jobs through the LPD from a non-AIX UNIX System”.
- “Submitting Print Jobs through the LPD from a Windows System” on page 2.

Submitting Print Jobs through the LPD from an AIX System

To submit jobs from the **LPD** on an AIX system, you can use the AIX **lpr** command, which accepts the **-o** options.

When you submit print jobs using the **LPR** client, you need to set up a remote queue on the local system. To accomplish this task, consult your AIX system documentation. Once you have defined a remote queue, it identifies the Infoprint Manager remote server and the name of the Infoprint destination (either logical or actual) on that Infoprint Manager remote server. The **LPD** submits the job to the Infoprint print spool. IBM recommends that you specify the **LPD** subsystem in the **/etc/initab** file to ensure that it starts on a system reboot and is always available.

When you issue the **lpr** command, you must specify the option that designates *binary* or *already-formatted* data. For example, on AIX you must use the **-l** (lower case **L**) option on the **lpr**.

If you are printing from an Infoprint Manager AIX server, you should use the Infoprint **pdpr** command to submit jobs directly to the Infoprint print spool.

Submitting Print Jobs through the LPD from a non-AIX UNIX System

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 Infoprint **LPR** client called **lprafp** is provided with Infoprint Manager for AIX and is available from the **/usr/lpp/psf/utlis/lpr** directory. This directory contains sample code of the **lprafp** client for UNIX platforms. This code must be compiled as described in the **README** file.

Regardless of what **LPD** subsystem you decide to use, IBM recommends that you specify it in the **/etc/initab** file to ensure that the client starts on a system reboot and is always available.

Submitting Print Jobs from a non-AIX UNIX System with the Infoprint (lprafp) LPR Client

When you submit print jobs from the Infoprint **LPR** client on a non-AIX UNIX system, all you need to specify is the Infoprint Manager server and the name of an Infoprint destination (either logical or actual). The **LPD** submits the job to the Infoprint print spool. If you enter the **LPR** shell script with the **-A** flag, it invokes the **lprafp** command program (**lprafp.c**), which is documented in the *Infoprint Manager: Reference* (S544–5475). If you enter the **LPR** shell script without the **-A** flag, it invokes the AIX system's **LP** command, which does not support the Infoprint **-o** options.

Submitting Print Jobs through the LPD from a Windows System

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 for download on the Printing Systems web site. To obtain and install this **LPR** client, see “Install and Configure lprafp for Windows from the Web”

Note: If you use another **LPR** client, ensure that you specify the flag for specifying binary data. For example, on the Microsoft TCP/IP Printing **LPD** (the default **LPR** on Windows operating systems), this flag is the **-o l** (lower case **L**) option.

Install and Configure lprafp for Windows from the Web

For Windows operating system clients, the **lprafp** sample code package is available for free download from the IBM Printing Systems website at <http://www.ibm.com/printers>. Use this procedure to locate and install the package.

1. Navigate to <http://www.ibm.com/printers> in your web browser.
2. Under **Resources for**, click **Infoprint Manager**.
3. On the Infoprint Manager Family Home Page, click **Infoprint Manager for Windows NT and Windows 2000**.
4. On the Infoprint Manager for Windows NT and Windows 2000 Home Page, select **Downloads** from the list under **Product Resources**.
5. On the Downloads page, find **lprafp** and click to download.
6. Use a zip utility to unzip the package.
7. Open the **readme.txt** file and follow the instructions for installing the package on a Windows system.