*Simplify your transition to IBM Advanced Function Printing.*

IBM

# IBM Xport Services Offering

Looking for an easy, convenient way to transition your Xerox print environment to IBM Advanced Function Printing™ (AFP™)? IBM Xport Services can provide a smooth migration to AFP—the rich, open, system-managed solution that allows you to print high-quality output on a variety of IBM Intelligent Printer Data Stream™ (IPDS™) printers. By migrating to AFP, you will now have the opportunity to increase your printing productivity by:

- Minimizing printer operator time with system management of resources and error recovery

- Minimizing the need for programmer resources when implementing new applications or changing existing output design by providing the customer with page formatting capability

- Increasing customer satisfaction with tailored, sophisticated communications that customer service personnel can view on line

- Distributing output wherever it is needed rather than printing in a central location

Many Xerox line printer users want to migrate to an AFP solution to leverage these benefits, or they desire a multi-vendor environment. IBM Xport Services is an offering that helps make the transition to AFP easier.

## A smooth migration

Xport Services maximizes the productivity of your data processing resources by automating much of the migration from Xerox XPPM to IBM IPDS and by providing a solution for distributed printing in a Xerox print environment. Xport also facilitates the co-existence of Xerox and IBM IPDS printers.

Xport is an application program that resides on a RISC System/6000® (RS/6000®) server using Infoprint® Manager as the print driver. The result is a powerful, multifunction print server that accepts input from numerous datastreams, including Xerox Production Printer Mode (XPPM), and directs output to a variety of IPDS and PCL printers. The printer server can accept the following datastreams:

- Xerox line data and conditioned line data (LCDS)
- Xerox metacode
- PostScript
- PCL
- AFP line data
- MODCA:P

Data can be sent to the server via MVS™ Download, S/390® Channel (3211 datastream), TCP/IP (FTP/LPR) or other file transfer protocols. Data can also be read from reel or cartridge tape drives.
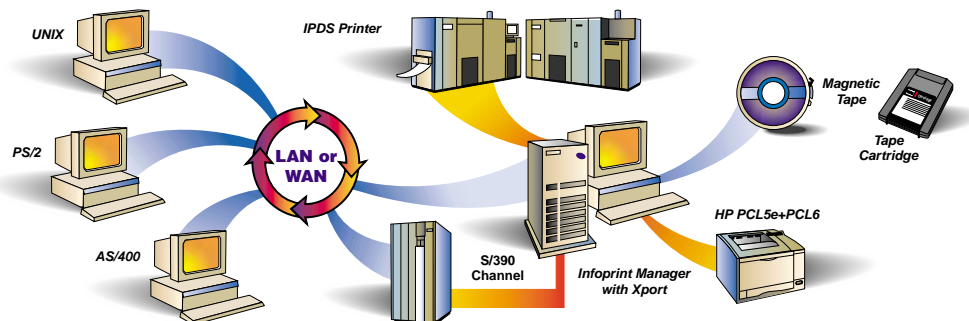
## A complete solution

The Xport solution includes professional services to help customize the system and train personnel to use it. The Xport application system also provides several tools to make your migration to AFP a smooth transition, including:

- Resource management tools
- Private, shared, and application-level resource libraries
- An easy-to-use Graphical User Interface (GUI)
- A job management/spooling system
- A Xerox datastream interpreter

## Resource management tools

Xport provides resource management tools which allow you to easily load your current Xerox resources, such as fonts, forms, logos, images, etc., onto the Xport server. You can load resources onto the server manually from tape or diskette, or include them when transmitting jobs that contain in-line resources using the FILE DJDE. Resources are loaded only once for all attached printers, and not once per printer.

Resources are loaded onto the server into shared resource libraries, application libraries or private libraries, depending on whether the resources are to be available to all jobs, only a given group's jobs or to a single job. Once the resources are loaded onto the server, you can view contents of libraries, delete resource files and print resource samples.

## Graphical User Interface

The Graphical User Interface (GUI) ties together all the components of the system, providing you with a single, easy-to-use point of access to system functions. The GUI allows you to manage the progress of jobs through the conversion and printing process. Users can start, hold and reprint jobs, as well as manage printers and print resources through simple drag-and-drop operator actions. Activities such as redirecting output to a different printer or reprinting a selected page range can be accomplished with just a few keystrokes.

Xport also features a command line interface that provides access to a subset of functions from non-graphical displays.

## Job management system

Xport includes a job spool and spool management functions. The Xport spool automatically receives jobs to be processed from other hosts. The job then may be manually or automatically processed through the system.

The spool is divided into several types of queues to manage the jobs through the system. Depending on the server configuration, multiple datastreams from a variety of sources may be received from multiple interfaces, converted and printed to multiple printers concurrently.

## Xerox datastream interpreter

The XPPM datastream interpreter reads Xerox Line Data, Conditioned Datastream (LCDS) or metacode and converts it to a fully formatted AFP datastream. It interprets

any embedded DJDEs in the datastream and applies formatting instructions from the resource tables. The datastream interpreter allows three levels of print fidelity to accommodate differences in printer resolutions. Resolutions of 240, 300, 480, and 600 dpi are supported.

## Reap the benefits of AFP

With Xport you can print your Xerox applications on an IBM IPDS printer today. Xport provides an effective distributed print solution or acts as an easy-to-use migration tool to help you reap the benefits of a complete IBM AFP print solution. For more information on IBM Xport Services, call your local IBM-authorized representative or our Printer Selection Center at 800-358-6661.

### IBM Xport Services Offering at a glance

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| **Hardware Requirements (minimum)** | — RS/6000 7043-150 or equivalent with: 230MHz 9.1GB disk 256MB memory 4mm tape drive Internal CD-ROM P70 color display with graphics card Ethernet or Token-Ring adaptors |
| **Software Requirements** | — AIX 4.3.3 —Infoprint Manager 3.2 |
| **Optional Software** | Server-based: — AFP Font Collection — Page Printer Formatting Aid for AIX or S/390® to generate form and page definitions. This is required if the auto-N-up feature is to be used. PC-based: — AFP Print Driver for Windows® to create AFP documents and resources from Windows forms and image applications — Elixir or Isis resource programs to build and modify AFP resources |