

A scalable software solution to manage and deliver information in a connected world.



IBM InfoPrint Manager

IBM® InfoPrint® Manager is a comprehensive software solution for managing digital printing. It combines award-winning print management technology with enhanced file management and spooling capabilities to address the requirements of a variety of print markets. Using InfoPrint Manager, you can submit diverse file types to a single system to be managed, printed, stored and reprinted, quickly and efficiently.

Combining superior print technology with built-in Advanced Function Presentation™ (AFP™) and Adobe® PostScript® support, InfoPrint Manager delivers production-volume, single-copy integrity with PostScript quality. InfoPrint Manager simplifies the print process and can help reduce your operating expenses—whether you are printing books on a high speed printer or managing all the printing for your distributed enterprise. It offers a complete system that meets your diverse printing needs, now and in the future.

High-Performance Enterprise Printing

An enterprise print floor will appreciate the software's innovative enterprise print management technology designed to increase efficiency. This solution integrates IBM's Print Services Facility™ (PSF™) for

AIX®, a rich set of print stream transforms, key components of the Printing Systems Manager (PSM) for AIX and the AFP Font Collection into a single, comprehensive print solution.

This system combines reliable queue and job management with comprehensive PSF print and job control. These facilities deliver the highest possible data integrity by ensuring documents are printed completely and accurately the first time. Whether printing traditional enterprise application output, AFP, PostScript or many of the popular image file formats, including GIF, JPEG or TIFF, the InfoPrint Manager solution delivers reliable, easy-to-use print management.

InfoPrint Manager offers enhanced PostScript functionality by providing a server-based, Adobe PostScript RIP.

Workgroup printing environments enjoy many features, such as InfoPrint Manager's automated job scheduling, accounting and tracking. Users also benefit from efficiently printing multiple copies within their applications and submitting print jobs into the queue directly from the application, eliminating time-consuming steps in the process. Leveraging the capabilities of a

Highlights

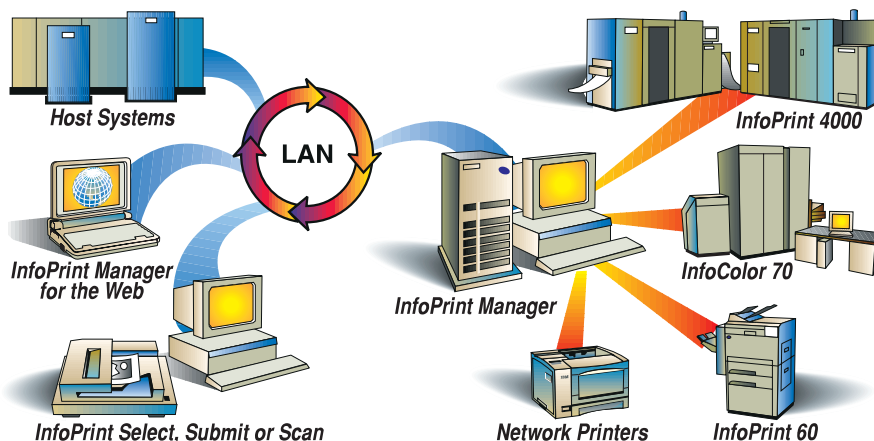
- **Provides secure scalable enterprise printing support**
- **Provides reliability for mission critical applications such as SAP/R3**
- **Manage and print to printers, fax machines, and more**
- **Supports wide range of printers (up to 1000+ pages per minute)**
- **Hardware, software and services available**
- **Include printing in your Tivoli system management solution**

scalable, server-based print management application, InfoPrint Manager can help reduce printing costs by automating vital functions, simplifying user operation and facilitating electronic storage and reprinting.

Flexible Commercial Printing

InfoPrint Manager includes the tools needed for commercial printers to grow their businesses. InfoPrint Manager helps manage an entire digital print shop from file submission to final print. Commercial printers also benefit from the use of Level 3 PostScript.

InfoPrint Manager provides commercial printers with the single copy integrity needed to meet emerging short-run and variable-data printing needs, while allowing them to use existing processes and tools. The software's user-friendly, point-and-click user interface enables operators to manage printers and print files from a single server.



With the help of InfoPrint Manager's comprehensive digital system, commercial printers can meet their customers' expectations for quick turnarounds while managing costs. For example, included with InfoPrint Manager is a set of Windows® and Macintosh applications designed for receiving print files in commonly used formats. The applications allow scanning of hard copy documents and assembling, archiving or submitting jobs for just-in-time printing. The solution also enables users to preflight and view PostScript documents using the Adobe Acrobat viewer and the server-based Adobe Acrobat Distiller.

Comprehensive Services

IBM makes available on-site installation and education to help ensure that you will have an integrated system with a fully trained operating staff. In addition, IBM offers a full range of services from hardware maintenance to software support—all accessible 24 hours a day, 7 days a week.

IBM InfoPrint Manager at a glance

Features

Centralized Output Management	— Configure, manage and monitor from remote locations — Job Submission and Print Management Applications — Submit jobs from a range of platforms
Hard Copy Scanning	— Take advantage of the IBM InfoPrint Scan integrated solution, which combines hardware and software in a single system
Variable Data	— Use current publishing applications: Quark or PageMaker

Optional Features

Fax and E-mail	— Send and receive fax data from anywhere in the world — E-mail print or application documents to your customers quickly and easily
Scalability and Security	— Robust, network-wide security (using optional DCE)
SAP R/3	— Robust integration of SAP R/3 and InfoPrint Manager
InfoPrint ManagerPlus for Tivoli	— Control your InfoPrint Manager system from the Tivoli Desktop
Information Storage and Retrieval	— Allows sharing of documents across users, organizations and locations
Adobe PostScript Extreme	— Users can simultaneously rip and print PostScript and PDF print files on their high-speed production printers
InfoPrint Manager for the Web	— Use IBM InfoPrint Manager functions from a Web-based interface

Other Software Options

— Kanji Fonts: Set of 5 Morasowa fonts and 2 Heisel fonts licensed to operate on one printer
— PPFA: Application for creating and editing Page Definitions and Form Definitions for use with AFP data streams
— InfoPrint Printer Attachment 1-45 ipm: License to operate one to 20 printers with a maximum letter-size print impression speed of 45.
— InfoPrint Printer Attachment 46-100 ipm: License to operate one printer with a maximum letter-size print impression speed of 100
— InfoPrint Printer Attachment 101+ ipm: License to operate one printer with a maximum letter-size print impression speed over 100

Other Hardware Options

— IBM 4161 Multiple Printer Controller Model 001: Designed for an entry level print system
— IBM 4161 Multiple Printer Controller Model 002: Designed for a continuous-feed print system
— Choice of two scanners with simplex or duplex document feeder
— Contact your IBM marketing representative for a hardware recommendation that is tuned specifically to the needs of your business

Hardware Requirements

InfoPrint Manager	— IBM RS/6000 with AIX operating system 4.21 or 4.3 — Use of AIX windows required for graphical environment — TCP/IP printer connection (Token-Ring, Ethernet, FDDI)
InfoPrint Select	— PC with OS/2®, Microsoft® Windows 3.1, Windows 95™ or Windows NT™ version 4.0 and TCP/IP LAN connection
InfoPrint Submit	— PC with Windows 95 or Windows NT version 4.0 and TCP/IP LAN connection or Macintosh PowerPC computer with System 7.61 and TCP/IP LAN connection
InfoPrint Scan	— Personal computer with Microsoft Windows 95
InfoPrint Library	— IBM RS/6000 with AIX operating system 4.21 or 4.3

Print Data Stream Support

IPDS, AFPDS, PostScript (Level 2 and 3), PDF, GIF, TIFF, JPEG and ASCII

Fonts

Support for single and double byte fonts in AFP and PostScript Type 1, Type 3 and Multiple Master; Includes AFP Font Collection and Standard 11 Adobe PostScript font families

Additional Information

The following publications are available for InfoPrint Manager standard and optional features:

— Centralized Output Management	G544-5607
— Submitting Jobs and Managing Them	G544-5652
— Hard Copy Scanning	G544-5605
— Variable Data	G544-5657
— Fax and E-Mail	G544-5656
— Scalability and Security	G544-5655
— SAP R/3	G544-5653
— Information Storage and Retrieval	G544-5606
— InfoPrint Manager for the Web	G544-5608
— InfoPrint ManagerPlus for Tivoli	G544-5654

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G544-5439-04

*Control your printing so it
doesn't control you.*

Centralized Output Management

How can IBM® InfoPrint® Manager provide centralized output management for your enterprise?

A print shop maintains a high-volume print business with three IBM InfoPrint 4000 printers in continuous operation. Sometimes, lengthy jobs prevent the progress of shorter, more urgent jobs. IBM InfoPrint Manager provides a robust set of tools for checking print queues, promoting jobs, and for moving one or several jobs between queues. If the waiting time for a job in a particular queue is going to be longer than predicted, the administrator is alerted. Before using InfoPrint Manager, when one printer was down for necessary maintenance, a job that was partially printed and the jobs queued on that printer were often lost or delayed. With InfoPrint Manager, any operator can pause the partially printed job with a checkpoint so it can be resumed on another printer. The operator can also reschedule the queued jobs on the other printers.

A commercial print shop creates reports from documents that exist on the World Wide Web. Producing high-quality artwork in high-volume runs from the different output formats customers provide is a challenging task. InfoPrint Manager allows them to transform PCL, PDF, PostScript®, GIF, JPEG and TIFF files into the appropriate data format for printing with quality and consistency. The print shop operators are able to reuse processed (RIpped) jobs many times for different print runs, which helps reduce their printing costs.

Workgroup printing environments, such as the reproduction center at the local university, enjoy many InfoPrint Manager features, such as the ability to validate job scheduling requests, accounting and tracking. InfoPrint Manager ensures that

their scanned-in journal articles and college brochures are sent to printers that support the correct data stream and possess the requested capability, such as duplex or fanfold. Leveraging the capabilities of a scalable, server-based print management application, InfoPrint Manager reduces their printing costs by automating vital functions, simplifying user operation and facilitating electronic storage and reprinting. The university can print just enough copies of their course catalog each semester.

Software Features

Configure, Manage and Monitor from Anywhere:

- Centralized management of printers and jobs through graphical user interfaces
- Optimized use of DCE for security and scalability in a distributed environment
- View, set or change the characteristics of printers and jobs in your enterprise
- View, set or change defaults for both printers and jobs in your enterprise
- Monitor the status of printers and jobs
- Start, stop, delete and move (reorder and resubmit) jobs
- Start, stop, forward space, back space or shut down printers


Get Your Jobs to the Right Printers, Fax Machines and Other Destinations:

- Intelligent routing of jobs based upon their characteristics, with the ability to manually override
- Support for fax and e-mail output
- Each printer defines how jobs should be scheduled, using a combination of the following:
 - jobs with the earliest print deadline first
 - jobs in the order they are submitted
 - jobs in the order of priority

Highlights

- **Configure, manage and monitor from remote locations**
- **Get your jobs to the printers, fax machines and other destinations**
- **Operators get notified when events happen**
- **Balance printer workload**
- **Enhance printing with imposition and output finishing**
- **Support a wide range of printers**

- jobs in order of size, longest first
- jobs in order of size, shortest first
- Rich set of routing characteristics that match jobs to destinations, such as:
 - job size (select short jobs for higher cost per page printers)
 - data stream resolution (240, 300 and 600 dpi supported)
 - a job group (batch)
 - a printer model or name
 - a particular media (legal, letter, etc.)
- Control when jobs print by specifying:
 - a print-after time
 - a time by which the job must print or be discarded automatically
 - a job group (batch)
- Jobs scheduled only to destinations that support their characteristics, such as duplex and document format, which is determined automatically (PostScript, PCL, etc.)



- InfoPrint Manager schedules jobs:
 - to destinations currently accepting jobs so that printers keep busy or
 - by notifying the operator to set up the printer so that jobs print in order

Operators Get Notified When Events Happen:

- Automatic event notification of printer status and problems through either e-mail, messages or a file
- Each printer can be customized to notify specific personnel of specific events, such as when a printer requires operator attention
- Operator(s) can be notified with customized messages when jobs are submitted, start printing, and complete printing
- When jobs are submitted using the command line, users are notified through e-mail, messages or a file. They can choose from a rich set of significant events, such as when the job:
 - has been assigned to print
 - has been modified
 - has completed
 - was cancelled by an operator
 - has failed

Balance Printer Workload:

- Configure your printing environment to balance workload and maximize utilization
- Easily reroute jobs while changing supplies or performing preventative maintenance
- Save processed jobs for proofing
- Prevent loss of jobs by:
 - configuring to hold jobs that fail
 - configuring to automatically disable printers with problems
- Transform data and print concurrently
- Save processed (RIPped) files for efficient reprinting or for printing multiple copies

- Configure to retry jobs automatically upon network failures
- Printers can be pooled (clustered) to maximize utilization
- Support multiple formats on the same printer

Enhance Printing with Imposition and Output Finishing:

- Customize and select separator pages (before, after and within jobs) to identify or find your job easily
- Customize and select accounting and audit logs to suit the needs of your business
- Achieve print shop half-tone quality that you can fine-tune to meet your needs
- Support for finishing devices, such as the IBM InfoPrint 60 Finisher
- Support for imposition (booklet, side-by-side copies, slit and merge, etc.)
- Receive data from multiple sources, including:
 - the LPR gateway
 - MVS® Download
 - fax
 - e-mail
 - PSF™ Direct
 - InfoPrint Manager for the Web (PRPQ)
 - InfoPrint Scan
 - InfoPrint Select
 - InfoPrint Submit
 - SMIT
 - Sun Solaris (through Application Integration Package)
 - Tape input

Input Data Stream Support:

- Utilize existing hardware
- Support for multiple data stream transforms, including:
 - formatted line data
 - unformatted line data
 - AFPDS
 - Dittorf

- GIF
- JPEG
- SAP ABAP line data
- SAP OTF
- PCL
- PDF
- PostScript (Adobe® PostScript Raster Image Processor: PostScript Level 2 transform)
- TIFF

Output Data Stream Support:

- IPDS™
- PostScript (from AIX- or BSD-attached printers)
- PPDS Hewlett-Packard Printer Control Languages (PCL4, PCL5, PCL5c)
- Page-level recovery for IPDS print stream output
- Support multiple document formats in a single job
- Support varying document-level characteristics

Scalability

Grow your installation as needed by mixing and matching the tasks performed by an InfoPrint AIX server across different servers. An InfoPrint AIX server can perform any or all of the following:

- Processing commands
- Managing and scheduling jobs for printing
- Driving printers

For example, you can add new InfoPrint AIX server that just drives printers that are fed from the original server. InfoPrint Manager provides centralized management by allowing you to manage and monitor all these servers from a single location. To learn more about the distributed, interoperable InfoPrint Manager print solution, contact your IBM Printing Systems Company representative.



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IBM InfoPrint Manager: Centralized Output Management at a glance

Software Prerequisites

- IBM RS/6000® with AIX operating system 4.2.1 or 4.3
- Use of AIX windows (Motif) required for graphic version of InfoPrint Manager
- TCP/IP printer connection (Token-Ring, Ethernet, FDDI)

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Supports a range of clients to support your particular job submission needs.



Submitting Jobs and Managing them with InfoPrint

*infoPrint
Manager*

Submit InfoPrint Jobs

With IBM® InfoPrint® Manager software clients installed as part of your print network, job submission can involve simply sending a file from your workstation application to a particular printer. And, depending on your configuration, job submission can include building an electronic job ticket that includes scanned files and variable data items, previewing the files before submitting them to be processed, sending the job to the printer and storing the files for reuse. InfoPrint provides a wide range of job submission clients supporting multiple workstation platforms.

In general, if you are intending to use InfoPrint software to layout your jobs, imbed variable data items in your jobs, integrate scanned files into your electronic job ticket or store and retrieve files from InfoPrint Library, you will use InfoPrint Submit. If you are simply printing files from familiar workstation applications across your network, you would use InfoPrint Select. If you need to print and manage jobs directly from the Web, you might want to install InfoPrint Manager for the Web, and you can use your command line to support printing using the lpr and pdpr commands. The following summarizes InfoPrint job submission:

InfoPrint Submit® (Windows® 95™ and NT™)

- Print single PostScript files
- Print multiple application files collated
- Retain job, reprint job
- Start file on new page
- Adjust print calibration
- Preview files (PostScript, tiff, RIP and PDF)
- Save files in library (InfoPrint Library)
- Search library (InfoPrint Library)
- Save 1000s of files in library
- Build job tickets
- Impose and layout

- Print variable data
- Scan hardcopy (InfoPrint Scan)

InfoPrint Select (Windows 95, NT and OS/2®)

- Print single files from applications
- Print single PostScript files
- Start file on new page
- Adjust print calibration

InfoPrint Manager for the Web (Windows 95, NT and Macintosh)

- Print single PostScript files
- Print multiple application files collated
- Retain job, reprint job
- Start file on new page
- Adjust print calibration
- Preview files (PDF)
- Save files in library (Web library)
- Search library (Web library)
- Scan hardcopy (InfoPrint Scan)

Command Line (AIX® and Other Platforms)

- Print multiple application files collated
- Retain job, reprint job
- Start file on new page
- Adjust print calibration
- Preview files (PostScript, tiff, RIP and PDF)
- Impose and layout

Manage InfoPrint Jobs

You can perform many of your daily job and printer management tasks from a simplified interface, the Job and Printer Management GUI, that is available on your workstations as well as your AIX system. Other advanced operator tasks and administrative functions are available from graphical applications that run on the AIX system.

Job and Printer Management GUI (Windows '95, NT and AIX)

- Support 100s of jobs and printers
- Support a simple view of jobs and printers
- Limit operators access to certain functions
- Check printer status

Highlights

- **Submit jobs from a range of platforms and applications**
- **Manage jobs and printers from various platforms**

- Recover from printer errors
- Change media ready on printer
- Enable/disable printer
- Show SNMP printer status
- Check job status
- Recover from job errors
- Resubmit retained job
- Hold/release job, move job, search for job and retain job
- Refresh job view automatically
- Change media for a job

InfoPrint Manager for the Web (Windows '95 and NT)

- Support a simple view of jobs and printers
- Limit operators access to certain functions
- Check printer status
- Recover from printer errors
- Change media ready on printer
- Enable/disable printer
- Check job status
- Recover from job errors
- Resubmit retained job

- Hold/release job, move job, search for job and retain job
- Refresh job view automatically
- Change media for a job

Basic AIX GUI

- Support 1000s of jobs and printers
- Support a simple view of jobs and printers
- Limit operators access to certain functions
- Check printer status
- Recover from printer errors
- Change media ready on printer
- Enable/disable printer
- Check job status
- Recover from job errors
- Resubmit retained job
- Hold/release job, move job, search for job and retain job
- Refresh job view automatically
- Change media for a job

Advanced AIX GUI

- Support 1000s of jobs and printers
- Support a simple view of jobs and printers
- Limit operators access to certain functions (Using DCE or non-DCE file permissions)
- Check printer status
- Recover from printer errors
- Change media ready on printer
- Enable/disable printer
- Show SNMP printer status
- Check job status
- Recover from job errors
- Resubmit retained job
- Hold/release job, move job, search for job and retain job
- Refresh job view automatically
- Change media for a job

Perform Additional Management Tasks

Other operator tasks that are performed from the GUIs on the AIX system include but are not limited to the following:

InfoPrint Manager for the Web

- Change media supported by printer
- Change separator sheet
- View job log
- Check progress

Basic AIX GUI

- Shut down printer
- Change media supported by printer
- Clean all jobs from printer
- Space printer
- Interrupt printing job
- Customize operator tasks
- Change separator sheet
- View job log
- Check job progress

Advanced AIX GUI

- Shut down printer
- Change media supported by printer
- Clean all jobs from printer
- Space printer
- Interrupt printing job
- Customize operator tasks
- Change separator sheet
- View job log
- Check job progress

Manage Jobs in a PostScript and TIFF Shop

If you are optimized for a PostScript environment, printing variable data jobs, collating scanned files, archiving files in InfoPrint library and do not plan extensive configuration of server defaults, you will perform additional job management tasks using the Basic AIX GUI., such as:

- Set print quality
- View job ticket

Manage Jobs in a Production Shop

If your printing environment is tailored for production printing, with a server that is optimized for to use performance based algorithms to determine where to print jobs, you will use the Advanced AIX GUI to perform additional print management tasks such as the following:

- Clean (delete) all jobs from server or queue
- Shut down server
- Enable/disable all printers in server
- Pause/resume all queues in server
- View event log
- Pause/resume printer

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Hard copy used to be the end of the print process. Make it the beginning with InfoPrint...

Hard Copy Scanning

A local press republishes out-of-print books. With the Xerox DocuImage 620S, they can scan fragile originals—even large-format picture books. With InfoPrint Scan software, they erase the comments inked in the margin in 1923 and collate pages from two incomplete copies to recreate a perfect image of the first edition. Customers can link to sample chapters from their catalog on the Web.

Another print house has a basement full of records dating from the founding of the company through the year they switched to computers. The old ledgers and files take up needed space and are vulnerable to fire, dampness, crumbling paper and misfiling. With InfoPrint® Scan, they create electronic images of paper documents and adjust the images to improve legibility, then use InfoPrint Library to store their records in compact electronic format to be easily found and printed at need.

Every semester, a professor updates a customized course textbook. The reproduction center at the local university uses InfoPrint Scan to scan in new journal articles, assemble them with previously scanned articles, replace the course schedule and print just enough copies for the students.

InfoPrint Scan Features

Scanning

- Scan and manage all pages as one document
- Preview the effect of your scanner settings before scanning
- Create and retrieve templates to reuse optimized scanner settings
- Select standard or custom page sizes
- Maintain correct page order when scanning duplex documents on a simplex scanner
- Zone pages manually
 - Note: Automatic zoning for the Ricoh IS 420 is exclusive to IBM®. Manual zoning is supported only by the Xerox DocuImage 620S.
- Insert, replace or delete single or multiple pages
- Save scanned documents in PDF format for viewing, printing or Web distribution
- Save single pages in any Windows® graphics format

Document Viewing

- Maintain detail and gray levels when viewing high-resolution binary images on a lower-resolution display
- Zoom
- Pan

Highlights

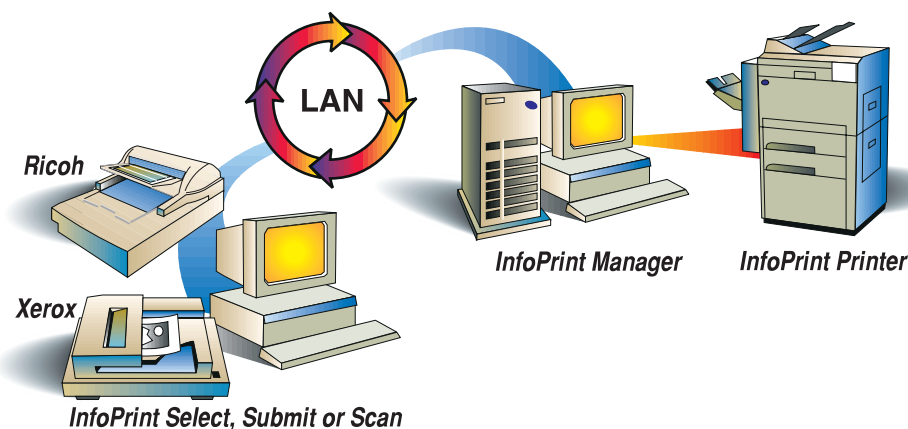
- **Take advantage of the IBM InfoPrint Scan integrated solution, which combines hardware and software in a single system**
- **Dial hardware and software services with a single phone number**
- **Clean up and align scanned images for printing**
- **Zone pages automatically using the solution-integrated Xerox DocuImage 620S or Ricoh IS 420 (with IBM's exclusive image enhancement) scanner**
- **Save scanned files as PDF source for viewing, printing and distribution on the Web**

- Navigate by page: First, Last, Next, Previous, Go to Page
- Optionally view ruler and crosshairs for page alignment

Document Manipulation

Perform these functions on all pages, even pages, odd pages, a page range or a list of pages:

- Page Alignment - visually align front to back or successive pages
- Page Edit - erase image areas
- Page Copy - duplicate editing and alignment changes from one page to another
- Deskew - remove page skew introduced in scanning
- Despeckle - remove unwanted black specks from page
- AutoCrop - remove black or white borders caused by skew
- Register - automatically position images at a fixed margin



- Rotate - change orientation of page in 90-degree increments
- Auto-Rotate - automatically turn all text images right side up

Printing

- Portrait or landscape orientation
- Layout options: multiple side-by-side copies, two successive pages side-by-side or two side-by side pages ordered for a folded booklet
- Combine scanned documents with documents in other formats in a single job
- Job scheduling options (rip, rip-and-hold, hold, print)
- Job retention after printing

Scalability

You can install InfoPrint Scan on a PC without a scanner attached to edit scanned images, while you dedicate the PC with a scanner to new input. Add more scanners to improve throughput or more PCs to improve editing productivity.

IBM InfoPrint Manager: Hard Copy Scanning at a glance

Hardware Features

Xerox DocuImage 620S Scanner

- Bilevel, 256 levels of gray scanning modes
- Up to 400 dpi true sampling resolution or 600 dpi interpolated resolution
- Up to 20 pages per minute throughput at 600 dpi
- 11.69 in. x 17 in. flatbed
- Minimum document size: 1 in. x 1 in.
- Automatic document feeder (duplex)
- Control of highlights, midtones, shadows, sharpness, brightness, and contrast
- Mixed text and halftone original scanning using auto-segmentation
- Power level: 100-120 or 200-240 VAC (different models), 60/50 Hz
- Operational life: 5,000,000 scans
- Price: \$16,995 + \$150 monthly maintenance charge (as of May 1, 1998)

Ricoh IS 420 Scanner

- Bilevel, 256 levels of gray scanning modes
- Up to 400 dpi true sampling resolution or 600 dpi interpolated resolution for documents up to 8.1 in. x 11.3 in. IBM's exclusive image enhancement extends 600 dpi interpolated resolution to documents up to 11 in. x 17 in.
- Up to 19 pages per minute throughput at 400 dpi, letter size, portrait orientation
- 11 in. x 17 in. flatbed
- Minimum document size: 1 in. x 1 in.
- Automatic document feeder (simplex)
- Control of brightness and contrast
- Image Processing Unit allows mixed text and halftone original scanning
- Power level: 100-120 or 220-240 VAC (autoswitch), 60/50 Hz
- Operational life: 5 years or 300,000 book scans or 1,000,000 ADF scanned sheets (A4 size)
- Price: \$6,800 + \$90 monthly maintenance charge (as of May 1, 1998)

Prerequisites

Software Prerequisites

- Windows® 95 or Windows NT™ operating system

Hardware Prerequisites

- Advanced Function Presentation™ (AFP™) printer

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Information about the Xerox DocuImage 620S scanner and the Ricoh IS 420 scanner was taken from publicly available information sources as of 5/13/98.



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Create customized jobs
from database records? Simple.



Variable Data in InfoPrint Manager

Brian's customer needs to deliver 80 personal invitations to a real estate auction and he'd like to feature photos of properties that have geographic relevance to individual invitees. First he creates the master file using Adobe® PageMaker® or QuarkXPress™ and uses variable names to represent the customer names and the property pictures he wants to insert. Using IBM® InfoPrint® Submit, he builds a job ticket containing the master file and the input files and sends the job. InfoPrint Manager automatically RIPs the job with available resources and prints it on the next available InfoColor™ 70 printer. Brian is delighted and his customer is impressed with each of the personalized invitations, ready for today's mail.

A software company with 10,000 employees needs an efficient process to generate individualized benefit statements. The challenging assignment is given to a part-time employee, Paul, who has a background with Quark and access to InfoPrint Manager and an InfoPrint 4000 printer on the network. Paul uses QuarkXPress to layout a master document and marks variable data fields for individual benefit information related to salary, medical, and retirement. He creates an input file by exporting the database

information to a text file, and using InfoPrint Submit, creates a job ticket that associates the input and the master file. As 10,000 individualized benefit statements roll off the printer, Paul's boss approves. "Another day like today and lunch is on me."

Features

Using the InfoPrint Submit client application of InfoPrint Manager, you can easily merge text from an input list and graphics into a master file to produce one-to-one marketing deliverables on your InfoPrint 4000 or InfoColor 70 printer.

Variable data support gives you the ability to make each copy of your print run unique, yet each copy retains the high print quality supplied by the InfoColor 70 printers and supported InfoPrint 4000 printers.

Use Current Publishing Applications: Quark or PageMaker

Create variable data objects from within industry-standard applications including QuarkXPress and PageMaker. You can create master pages using a full range of QuarkXPress or PageMaker features, and

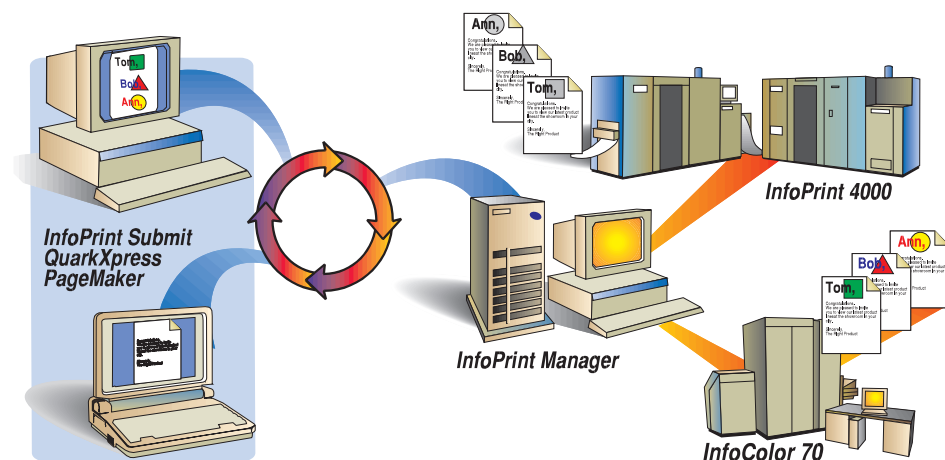
Highlights

- **Use current publishing applications: Quark or PageMaker**
- **Incorporate a range of variable items, from database entries to rotated graphics**
- **Create and manage a variable data job like any other InfoPrint job**
- **Tuned for performance efficiency—in color or black and white**

then create sample text and graphic variable data areas. When you are satisfied with the layout, convert the sample areas into variable data objects. At print time, the system will insert new data into each variable data area. A variable data input file, extracted from your database, provides the unique content for each copy.

Incorporate a Range of Variable Items, From Database Entries to Rotated Graphics

You can create customized advertising literature, merge a mailing list into your document, individualize each included image and even rotate images on the page. The system supports the ASCII file formats most databases use for their reports.



Submit and Manage Variable Data Jobs Easily

Because support for variable data items has been integrated with the InfoPrint Manager Submit application, you can submit and manage the job using the very same processes and interfaces you use for other jobs in your InfoPrint environment.

Tuned for Performance Efficiency—In Color or Black And White

Master pages are RIPPed only once. The printer merges master pages with variable data as the page is printed. Processing resource is minimized, so your variable data jobs print faster than non-variable data jobs.

InfoPrint Manager can be used to manage jobs to one or more InfoColor 70s, InfoPrint Color Off-line RIPs or InfoPrint 4000s. InfoPrint Manager also supports managing RIPPed files, providing customers with the ability to delete them automatically or archive them using the optional InfoPrint Library. Managing jobs containing variable data is an integrated task in the high-volume production environment supported by InfoPrint Manager.

Scalability

InfoPrint Manager supports your need to print individualized jobs, whether you need to print tens of thousands of individualized documents, or just ten.

Variable Data in IBM InfoPrint Manager at a glance

Software Prerequisites

InfoPrint Manager 3.1 support for variable data has been optimized for use with the following applications:

- QuarkXPress 3.3.2 Release 5 on Microsoft® Windows® 95™ and NT™
- QuarkXPress 3.3.2 and 4.03 on Macintosh Release 8
- PageMaker 6.0 on Microsoft Windows 95 and NT

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*Send and receive data with
complete security.*



InfoPrint Manager Fax and E-Mail

IBM® InfoPrint® Manager fax and e-mail capabilities allow you to send and receive data from anywhere in the world.

As an applications programmer for a large insurance company with branch offices across the country, Glen was concerned about how he could manage the company's one-to-one marketing campaign while monitoring printing costs. By using the reliable, secure print management that they have come to expect from IBM InfoPrint Manager, this company can track and monitor their one-to-one marketing campaigns internally. The company can take advantage of the InfoPrint Manager's Centralized Output Management to send their marketing brochures as faxes without having to rely on 'snail mail'. Because jobs can be routed to fax machines and e-mail destinations as well as printers, this insurance company gets a jump on the competition. Because they already use two IBM InfoPrint 4000 printers to print these letters and marketing broadsides, they can fax these documents to any of their branch offices for printing and distribution.

Mark, the systems administrator for a commercial print shop with offices in New

York and San Francisco, must send book lists back and forth between the two offices quickly and efficiently.

By taking advantage of the E-mail option, he can format the book lists as documents that are both viewable and printable at company workstations with no additional formatting or applications to view them. Mark insists, "InfoPrint Manager allows us to communicate both between each site and within each site through the same mechanism that we use to manage our printing. We get the benefits of a distributed environment while leveraging our investment in printing offset books digitally."

Send and Receive Fax Data from Anywhere in the World

InfoPrint Manager allows users to send and receive faxes.

With InfoPrint Manager, you can:

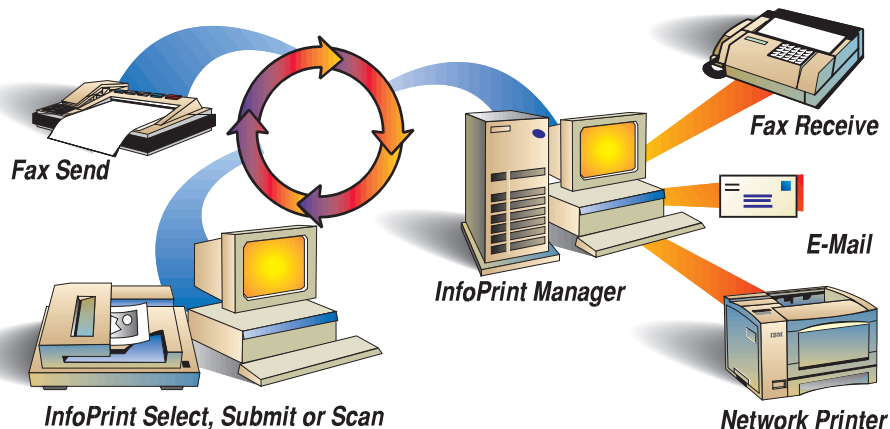
- Connect up to 17 physical telephone lines for each InfoPrint AIX server
- Fax any document anywhere in the world
- Receive incoming faxes and have InfoPrint Manager route them to printers or other destinations

Highlights

- **Send and receive fax data from anywhere in the world**
- **E-mail documents to your customers quickly and easily**
- **Manage your fax machines as easily as you manage your printers**

E-Mail Documents to Your Customers Quickly and Easily

With the InfoPrint Manager E-mail option, you can create e-mail documents as easily as you print them. Just specify the e-mail address as subject and text to be included in the note. InfoPrint Manager converts your file to a viewable or printable PDF and sends it out. The E-Mail feature supports either Lotus Notes or UNIX mail delivery systems.



Scalability of InfoPrint Fax and E-Mail

The InfoPrint Manager Fax Manager is completely integrated into the InfoPrint Manager for AIX® software to provide you with the same dependability, accountability and performance associated with all InfoPrint Manager for AIX printing and digital document software.

IBM InfoPrint Manager Fax and E-Mail at a glance

Software Prerequisites

– InfoPrint Control with the fax feature

Hardware Prerequisites

- Interstar Lightning Fax Server version of the GammaLink ISA Fax Board (CPI/100)
- Dialogic GammaLink™ CPI/100 (single line) or Dialogic GammaLink™ CP4/SC (four line) Business Series Package fax cards

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InfoPrint Manager Scalability and Security

Mike, an IBM® InfoPrint® system administrator, has set up his Denver help desk operators with control of printers in the data center. He has configured the printers for pooling so that all the printers are staying busy and jobs process quickly. He gets a call from management, "Can you handle our payroll activity from your printers?" Seeing the opportunity, Mike quickly assesses which printers could be used, where they should reside, and how he would control access to support the new print requirement. With DCE cells already in place, Mike confidently responds, "Yep, when do you want to start?"

Should I add DCE to my InfoPrint Server?

By default, your InfoPrint server will be configured as a non-DCE system, using the file permissions and socket transfer mechanisms that are defaults of AIX®. You may choose to upgrade your server(s) to support DCE depending on the security and scalability characteristics you require in your print environment.

The following scenarios may help you decide whether or not you need the scalability of DCE:

- No: You have one server (RS/6000®) controlling one or more printers managed by one person or department.
- No: You have a few servers (RS/6000s) controlling printers in a local geography, managed by a single department or administrator.
- No: You have multiple servers each controlling its own printers, not requiring shared printers or communication between servers.
- No (if standard AIX file and directory permissions are sufficient): You have multiple servers across the city or perhaps a campus, controlling local and remote printers, managed by a single department.
- Yes (if user, group and object-specific access control is needed): You have multiple servers across the city or perhaps a campus, controlling local and remote printers, managed by a single department.
- Yes: You have multiple servers across geographies on a wide area network, managed by one or more departments.

Highlights

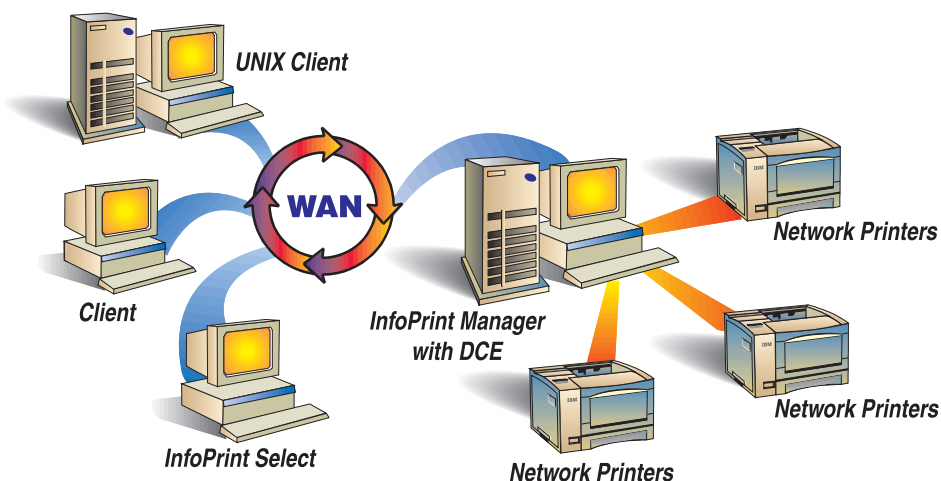
- **Robust, network-wide security with DCE (Distributed Computing Environment)**
- **Scalable for networks of all sizes, from LAN to WAN**
- **Global directory (or "namespace") for identifying servers and printers**

Similarities of DCE and Non-DCE Environments:

- Commands are identical, allowing customers to migrate from one to the other without altering their scripts.
- The AIX GUI is identical in each version, except that users must log into DCE prior to using the DCE version for administering InfoPrint.
- Clients installed with the non-DCE version may submit jobs to and query information from DCE pdservers.

Functional Differences Between DCE and Non-DCE: Scalability

- Yes and No: Recommended for a large network of multiple servers each supporting multiple printers and local and remote job submission.
- Yes: Recommended for a very large network that spans major geographies; can include remote servers, printers, and job submission clients.



Security

- No: Uses standard AIX permission (ie. .chmod 777) to control access to commands and functions.
- Yes: Uses Access Control Lists (ACLs) to grant access to each server, queue and printer on a per-user, per-group, and per-object basis.
- Yes: Uses secure communications between processes with Kerberos encryption.
- Yes: Operators log into DCE
- No: Users do not log in. Operators log into AIX (unless they are using the Jobs and Printers GUI from a Windows® NT™ system).

Client/Server Communication

With InfoPrint Manager, you will add clients to your environment depending on the function you need. The following chart summarizes the function available from DCE and non-DCE clients when communicating with a DCE or non-DCE server.

Note: additional interactions (such as managing jobs on a non-DCE server from a DCE client) may be possible but are not supported.

Scalability

Some very large customers of PSM who are migrating to a complete InfoPrint solution may find that they require the increased scalability and more granular security that DCE provides. InfoPrint can be configured with non-DCE servers, DCE servers or both (but DCE servers will not inter-operate with non-DCE servers and vice versa). The scope of your managed printing is limited only by the needs of your business.

IBM InfoPrint Manager: Scalability and Security at a glance

Software Prerequisites

If you plan to use Distributed Computing Environment (DCE), you will need IBM DCE Security Services for AIX Version 2.1 (5765-533) and IBM DCE Directory Services for AIX Version 2.1 (5765-534).

	Submit jobs	Manage jobs and printers	Configure the system
Submit client (non-DCE) to DCE or non-DCE server	Yes		
Non-DCE Select client (Win/NT, WIN 95™, Windows 3.1 and OS/2®) to non-DCE server	Yes (and manage your own jobs*)		
DCE Select client (Win/NT and OS/2) to DCE server	Yes	Yes*	Yes*
Non-DCE AIX client to non-DCE server	Yes*	Yes* (if configured for server file sharing)	Yes* (if configured for file sharing)
DCE AIX client to DCE server	Yes*	Yes*	Yes*
Non-DCE Job and Printers GUI (workstation and AIX versions) to non-DCE server		Yes	
DCE Job and Printers GUI (NT and AIX versions) to DCE server		Yes	
Non-DCE AIX GUI (basic and advanced) to non-DCE server		Yes	Yes
DCE AIX GUI (basic and advanced) to DCE server		Yes	Yes

*Indicates command line interface only

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*Distributed mission-critical printing
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InfoPrint Manager and SAP R/3

A large, international corporation is committed to SAP® R/3® to manage their data processing across all departments. They especially appreciate the SAP R/3 option provided by IBM® InfoPrint® Manager. InfoPrint Manager and SAP R/3 combine to provide a robust solution that manages all printing the way SAP R/3 manages and keeps track of their entire business, from external documents sent to customers, to reports created for internal distribution and printed at the desktop. Because InfoPrint Manager can manage both the high-end production printers and the low-end desktop (network) printers, it meets their needs as no other print application on the market today.

Robust Integration of SAP R/3 with InfoPrint Manager

SAP R/3 has become a popular choice for medium- to large-sized companies that require an integrated software product to provide basic business automation. The R/3 client/server application provides a series of integrated modules that span the major functions of finance, manufacturing, sales, distribution and human resources.

You can add InfoPrint Manager servers to your SAP R/3 print enterprise without modifying your existing SAP configuration. Simply install an AIX® client on your SAP server system, and InfoPrint Manager will recognize your existing lpr-based print and query commands. To use this support, configure Access Method L.

You can add InfoPrint Manager servers to your SAP R/3 Version 3 print enterprise to print both the native Output Text Format (OTF) data stream and the native Advanced Business Programming Application (ABAP) line data stream as Advanced Function Presentation™ (AFP™) output on production printers. To use this support, configure Access Method Z.

You can add InfoPrint Manager servers to your SAP R/3 Version 4 print enterprise to print all data streams. Users receive enhanced job status from the SAP R/3 system. To use this support, configure Access Method E and define InfoPrint Manager as an Output Management System for your SAP R/3 Version 4 enterprise.

Highlights

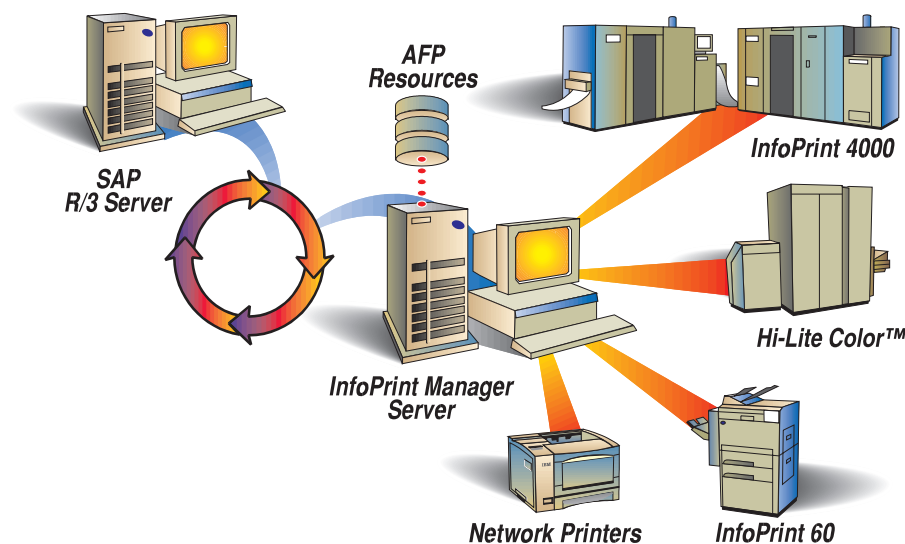
- **Robust integration of SAP R/3 with InfoPrint Manager**
- **Reliable notification about job status to SAP R/3 Users**
- **Add electronic forms, logos and electronic signatures to your text documents**
- **Reliable management of the print environment**

IBM InfoPrint Manager provides support for the latest levels of SAP R/3, using a variety of Access Methods. Support for SAP Version 3 is provided through Access Method L when printing either PostScript® or PCL files, or through Access Method Z when printing OTF or ABAP files. Any of these data streams can be printed in your SAP Version 4.0 enterprise using Access Method E.

Reliable Notification about Job Status to SAP Users

Until SAP R/3 Release 4, the SAP R/3 spool process provided little feedback to users about jobs sent to print. When a job disappeared off the queue, the SAP spool process considered it complete, regardless of whether it printed or not!

With SAP R/3 Release 4 and InfoPrint Manager Release 3.1, you can define



InfoPrint Manager as an Output Management System and receive input on the jobs that you have submitted for printing. InfoPrint Manager allows an SAP user to:

- Receive notification of a job's processing status
- Cancel one or more jobs
- Query the status of one or more jobs
- Query the status of an InfoPrint printer and its jobs

Add Electronic Forms, Logos and Electronic Signatures to Text Documents

The Advanced Function Presentation (AFP) data stream that emerges from the InfoPrint SAP transform contains text records that you can enhance through the addition of electronic forms, logos and electronic signatures. In addition to the AFP resources, the InfoPrint Manager SAP transform has been enhanced to support both raw image data (bitmaps images) and box shading. The expanded support for different levels of box shading and the print images that SAP R/3 users have come to expect and appreciate provides a strong industry standard for printing from SAP R/3. Print SAP color images using the native Output Text Format (OTF) data stream in either one, four or eight-bit pixel images: InfoPrint Manager can handle it all!

Customers using SAP R/3 Version 4 with the Generic Output Format (SAPGOF) generated data streams that contain Version 2 of both ABAP and OTF data, will also appreciate the double byte character set (DBCS) enablement. InfoPrint Manager 3.1 now supports the Shift-Jis Japanese PC language. InfoPrint Manager allows a world-class set of business application modules designed for a client-server environment the ability to achieve world-class printing.

Reliable Management of the Print Environment

With InfoPrint Manager's InfoPrint AIX server, you can manage printers and devices from a single point of control. You can track and manage jobs across your enterprise from job submission to printed output. When output does not print, operators no longer have to determine whether or not a spool request was generated. Instead of having to walk over to the printer, they can use the InfoPrint Manager graphical user interface (GUI) to pinpoint where in the process the job is delayed and determine the appropriate action to resolve the problem. InfoPrint Manager provides automatic workload balancing among printers that you have

defined with the same characteristics. For more information about how to configure printers and monitor printing across an installation, see IBM InfoPrint Manager: Administrator's Guide.

Scalability of Printing across an Enterprise

InfoPrint Manager allows SAP R/3 customers to access the full range of IBM InfoPrint printers (low-speed to high-speed; simplex or duplex, continuous forms or cut sheet) as well as other printers, such as Hewlett-Packard and Lexmark. You can leverage your investment in printers by sharing your InfoPrint-managed printers with other host and LAN-based applications. InfoPrint Manager provides the SAP R/3 enterprise with comprehensive print management across an enterprise of any size.

IBM InfoPrint Manager: SAP R/3 at a glance

Software Prerequisites

- SAP R/3 system Version 3 and higher (or Version 4 for DBCS and job notification)
- AIX operating system Version 4.2.1 on either a uniprocessor or a symmetric multiprocessor (SMP)
- SAP Print Feature selected from the InfoPrint Installer for Version 3 Release 1
- InfoPrint Manager Version 3 Release 1 AIX client installed on the SAP R/3 system

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Manage your printing, too.



IBM InfoPrint ManagerPlus for Tivoli

Mike, a Tivoli® system administrator, has set up his Denver users with access to printers in the data center. He gets a frantic call from a user who complains that he can't print. Using the TivoliPlus module for InfoPrint®, Mike checks the print destination to see if it is accepting and printing jobs. Everything is working, so he verifies that the user is specifying a valid destination. Aha. The user is having keystroke problems with print commands. Mike quickly downloads the latest InfoPrint Select client onto the user's workstation and the user is once again printing from familiar applications only to a new, network of pooled printers.

Features

IBM® InfoPrint ManagerPlus for Tivoli enables you to manage your print environment as follows:

Control Your InfoPrint Manager System From the Tivoli Desktop

A Tivoli administrator can use the InfoPrint ManagerPlus module to perform InfoPrint management directly from the Tivoli Desktop. Use the Tivoli graphical interface to perform the following tasks:

- List servers, printers, and queues
- Start and stop a server
- View error log dump and debug log
- Pause and resume job
- Hold job and release held job
- Cancel retained job and active job
- Resubmit job
- Show printer status
- Pause and resume printer
- Backspace and forward space printer
- Enable and disable printer
- Show queue status
- Pause and resume queue

Monitor InfoPrint Manager Resources From the Tivoli Desktop

Many of the InfoPrint Manager processes and directories on AIX® servers provide dynamic information necessary for effective centralized management. You can monitor AIX servers using the following functions to access necessary storage and performance data about the print environment. You can:

- Check for InfoPrint server process instances on all servers
- Check percent inodes used in /var/psm information directory

Highlights

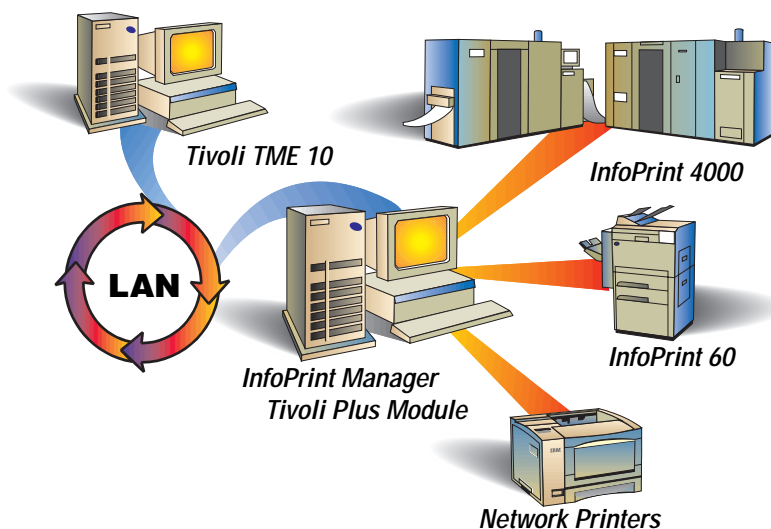
- **Control your InfoPrint Manager system from the Tivoli Desktop**
- **Monitor InfoPrint Manager resources from the Tivoli Desktop**
- **Distribute InfoPrint job submission packages to users all across the Tivoli Managed Region**
- **Send Tivoli events to the Enterprise Console when InfoPrint Manager logs particular messages**

- Check percent disk space used in the /ipdata directory
- Check percent disk space used in the /var/psf/segments directory
- Check percent disk space used in \$PDBASE/directory

Distribute InfoPrint Job Submission Packages To Users All Across the Tivoli Managed Region

You can use push technology to update all the user workstations in your networked enterprise with InfoPrint Manager job submission clients as they are updated. Clients include the following:

- InfoPrint Select for Windows® NT™
- InfoPrint Select for Windows 95™
- InfoPrint Select for OS/2®



Send Tivoli Events To the Enterprise Console When InfoPrint Manager Logs Particular Messages

Tivoli/Plus for InfoPrint configures the TME 10 Enterprise Console to receive events from InfoPrint logfiles. These events may represent critical problems with the server, warning messages, or minor or harmless events.

When InfoPrint Manager logs a fatal or critical error on a particular AIX server, the Enterprise Control system provides the information a Tivoli administrator needs to be aware of the problem and take action. For instance, an administrator might receive an error such as: *5010-070 An out-of-memory error occurred in module %s at line %s*. The Tivoli administrator could restart the server to resolve the problem, or stop unneeded processes that are taxing the server's available memory.

Similarly, when a warning message occurs indicating that the InfoPrint Manager server is waiting for attention or has discarded a job because printing resources did not match the job criteria, the Tivoli administrator is notified and can monitor the server or take action.

The administrator can also be notified of routine minor or harmless events. If for instance the server has been manually shut down and restarted, the administrator is notified. If an InfoPrint Manager printer needs attention (perhaps the media needs to be changed or toner added), the Tivoli administrator is notified.

Scalability

The InfoPrint ManagerPlus for Tivoli module integrates the Tivoli Management Environment with the InfoPrint Manager print administration and management services. This integration allows centralized distribution and management of the IBM InfoPrint Manager applications across very large multi-platform networks.

IBM InfoPrint Manager Plus for Tivoli at a glance

Software Prerequisites	— TME Framework on AIX
	— TME 10 Software Distribution
	— TME 10 Distributed Monitoring
	— TME 10 Enterprise Console

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Store it where everyone can find it.



Information Storage and Retrieval

A commercial print shop gets an order from a customer to reprint a book they printed months ago. Since the job ticket and all its associated files had already been archived in IBM® InfoPrint® Library, they used the IBM InfoPrint Submit application to quickly retrieve the job. The new print job requires that two new files be inserted into the book, so the operator makes these changes to the job ticket and submits the job using InfoPrint Submit. The operator then archives the new job ticket and associated files back into the library.

The customer calls again and asks for 500 more copies of the same book. They quickly retrieve the job from the library. The job ticket shows that the RIPped files were saved and archived in the library. Since there are no changes to the job, InfoPrint can use the RIP file for printing, thus saving the time and cost of re-RIPping the files.

Professors at the local university store their customized course materials in the IBM InfoPrint Library for the Web so that their students can print them. They control

access to their course materials using the student's university ID. Students use a Web browser to access the library and find the files. When the students want to print copies, they access the library, find the files and submit them using InfoPrint Manager for the Web.

Store and Retrieve Jobs and Associated Files

InfoPrint Library for the Web

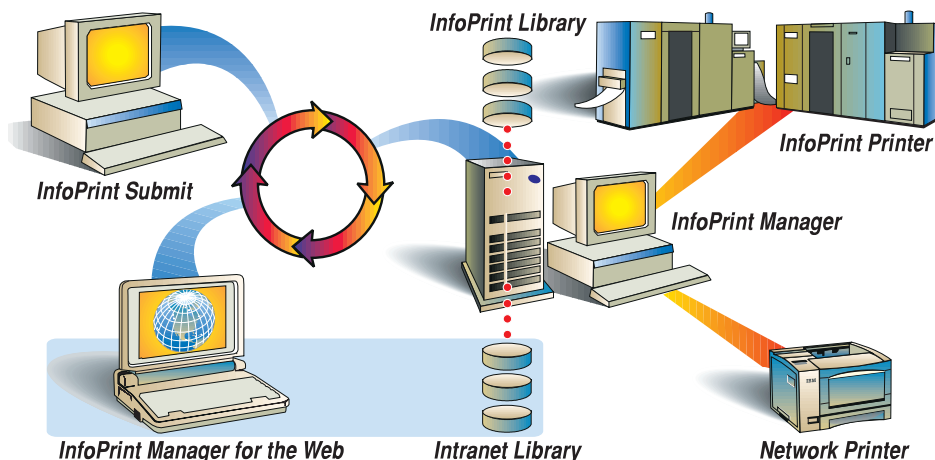
- Enables casual users to find, print, store, view and manage their print information right from their Web browsers.
- Stores files and printing options produced by InfoPrint Manager for the Web. Casual users can locate and submit jobs over the network.
- Stores all data on secure server.
- Stores any kind of document used for printing.
- Archives data and resource files.
- Searches for archived print jobs and files based on date, author, job title or print attributes.
- Retrieves files for print submission.

Highlights

- **Allows sharing of documents across users, organizations and locations**
- **Stores printing options with the documents for easy reprinting using InfoPrint Submit or InfoPrint Manager for the Web**
- **Allows a wide variety of extended storage devices with optional ADSM for AIX**
- **Protects your information with state-of-the-art security**
- **Provides search functions making documents and jobs easy to find and retrieve**

InfoPrint Library

- Provides a long-term archival solution for customers with lots of data they want to archive and still be able to recall the data for reprinting at a later time. This solution provides maximum control over complex print documents.
- Stores job tickets and jobs produced by InfoPrint Submit or InfoPrint Scan, which support full document assembly for commercial print shops. Operators can set print attributes for individual documents in a print job.
- Stores data in a shared file system and tracks it in a database.
- Stores job tickets and associated files used to print the job; these files can include source files in any data stream format, PostScript® files and RIP files, depending on options set in InfoPrint Submit.
- Archives the entire print job as a package or bundle so that users do not need to associate files with jobs.



- Searches for jobs or files based on job and file keywords you provide when you archive the job. Up to 200 bytes per key can be specified.
- Retrieves the entire print job or individual files from the library for print submission using InfoPrint Submit. Retrieved files can be included in other print jobs and then stored with a new job ticket name.

Archive Your Documents in a Secure Library Using Low-cost Storage Media

InfoPrint Library for the Web

- Provides state-of-the-art security with easy-to-use administrative functions to ensure document security and integrity. Library access is controlled by the use of assigned user names and passwords. Users are defined using the interface.
- Optionally uses ADSM HSM (hierarchical storage management), which provides automatic migration of files from the AIX® system to less expensive storage systems supported by ADSM, including magnetic disk, optical disk or tape.

InfoPrint Library

- Provides AIX-based security with groups of users having permissions (archive, retrieve and delete) and administrative functions to ensure document security and integrity. Users are defined in the database.
- Optionally uses ADSM HSM (hierarchical storage management), which provides automatic migration of files from the AIX system to less expensive storage systems supported by ADSM, including magnetic disk, optical disk or tape.
- Uses the DB2® for AIX product (a relational database product) to index files, thus providing reliable document search and retrieval for reuse.



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Set Up and Customize the Library

InfoPrint Library for the Web

- Requires no unique client installation because access is through Netscape and Internet Explorer®. This means that remote access (for example, company-wide or worldwide) is much easier.
- Can be customized by IBM technical experts. Contact your PSC representative for details.

InfoPrint Library

- Requires that client code be installed for each Windows® or Macintosh user because the InfoPrint Library is designed to work with InfoPrint Submit. Library code may reside on the same computer as the

InfoPrint Multiple Printer Controller (MPC) or on another AIX server.

- Provides fully customizable search retrieval panels that allow searching for specified fields (for example, by customer name, date, job name). Users can define keywords for files or jobs (up to 200 byte limit) and use these for searches. Sort features let users sort on column data (up to three columns).

Scalability

ADSM allows you to automatically manage your storage space. Older jobs can be migrated to less expensive storage devices and still be easily accessible. More disk space or additional devices (supported by ADSM) or library servers separate from the MPC can be added.

IBM InfoPrint Manager: Information Storage and Retrieval at a glance

Software Prerequisites

InfoPrint Library for the Web

- IBM InfoPrint Manager for AIX version 2.1.1 must be installed on an AIX version 4.2.1 or later operating system.
- (Optional) ADSM for AIX Version 3.1 with possible extended device support and the Space Management Support feature.

InfoPrint Library

- InfoPrint Manager for AIX version 2.1.1 must be installed on an AIX version 4.2.1 or later operating system.
- DB2 for AIX version 5.0 (UDB) with a 5-client use pack.
- (Optional) ADSM for AIX Version 3.1 with possible extended device support and the Space Management Support feature.

Client Software Prerequisites

InfoPrint Library for the Web

- Windows 95™ or Windows NT™ operating system installed on your client system. May be installed on Macintosh or AIX operating systems, but with limited function (print submission is not supported).
- Netscape version 4.04 or later or Internet Explorer version 4 installed on your client system

InfoPrint Library

- Windows 95, Windows NT, or Macintosh operating system installed on your client system.
- Windows InfoPrint Submit clients must have either IBM DB2 Client Application Enabler for Windows 95 or Windows NT installed.
- Macintosh InfoPrint Submit clients must have the IBM DB2 client Application Enabler for Macintosh installed.

Hardware Prerequisites

InfoPrint Library for the Web

- IBM 4161 InfoPrint Multiple Printer Controller (MPC) Model 001 (minimum) or IBM RS/6000® with AIX operating system 4.2.1.
- Requires at least 210 MB of available hard-disk space on the InfoPrint server system for program files.
- Additional hard-disk space on the InfoPrint server system for files that will be printed and stored. The amount of space needed depends on the size and volume of these files.

InfoPrint Library

- IBM 4161 InfoPrint Multiple Printer Controller (MPC) Model 002 (minimum) or IBM RS/6000 with AIX operating system 4.2.1.
- Requires approximately 300 MB of available hard-disk space on the InfoPrint server system for program files and a minimal database.
- Additional hard-disk space on the InfoPrint server system for job tickets, their associated jobs, and retained jobs. The amount of space depends on the size and volume of these files.
- When using your Library component for archiving, you may use the same F50 RS/6000 machine (and its AIX terminal) that you use for InfoPrint, or you may purchase an additional RS/6000.

Optional Storage Devices (Requires ADSM for AIX)

InfoPrint Library for the Web

- Any device supported by ADSM version 3.1, such as the IBM 3175 MagStar Tape Library.

InfoPrint Library

- Any device supported by ADSM version 3.1, such as the IBM 3175 MagStar Tape Library.

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The Web's not just for surfing anymore.



IBM InfoPrint Manager for the Web

A print shop employee is on an airplane. Just before boarding, he'd retrieved an urgent phone message. XYZ, Inc., the company's largest customer, has put in a rush order for 3,000 additional copies of the employees' benefit plan that was printed and distributed last month—they need it tomorrow morning! No problem. He set up his laptop, plugged into the modem, brought up the web-browser and clicked on his bookmarks for the library and print submit Web pages. He quickly located the files, checked to see what printers were available and queued the job for high-priority printing. He's already back on the phone, calling to say that he's taken care of the job.

It was Saturday afternoon when another employee's pager went off right in the middle of her son's birthday party. Seems they finished installing the new printer sooner than expected and want her to set it up and be sure everything's working correctly. Off to the den, turn on the PC, bring up the browser and go to the printer setup web pages. Without leaving home, she was able to set up communications for the printer, define media and other settings, bring the printer online and submit a sample job for printing. As soon

as she made her updates on the server, the printer was available through the web pages to every other user in the company. A quick call back to verify the output and she was back to the party.

Enhance Your IBM InfoPrint Manager Installation With This Web-Based Interface

IBM® InfoPrint® Manager for the Web provides secure print management and many of the functions of IBM InfoPrint Manager. An optional feature of IBM InfoPrint Manager, it adds to the richness of your installed InfoPrint solution by providing remote access to a subset of print management features. You can find, print, store, retrieve, view and manage the information you need—but now you can do all of this with a web browser on your intranet system. The application is installed, updated and maintained on a server, with no client software to maintain. Whenever there's a change on the server, each client is updated instantly. As many users as you want, but only those you want, can have access through your intranet, whether they're at work, at home or on the road. You'll still need IBM InfoPrint Manager and its more comprehensive set

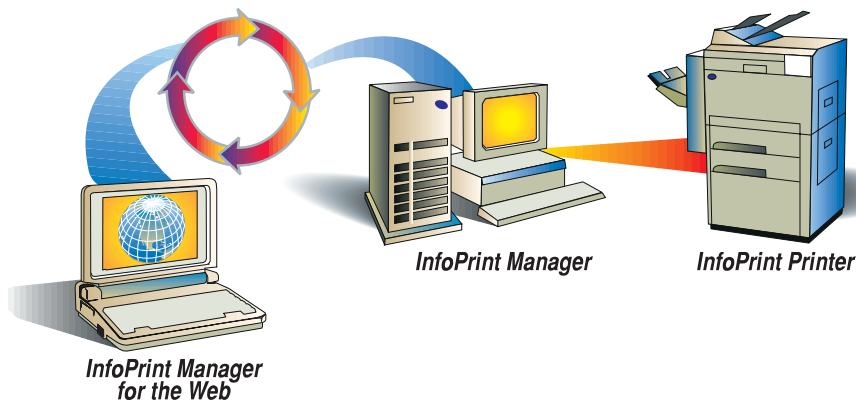
Highlights

- **Use IBM InfoPrint Manager functions from a Web-based interface**
- **Install and update on your server, with no client software to maintain**
- **Mobilize your users and administrators with easy access from a web browser**
- **Submit, store and retrieve print jobs from remote locations**
- **Manage jobs, printers and your server system from practically anywhere**
- **Protect your information with state-of-the-art security**

of features for preflight, scanning and additional control of the server, printers and files, but with IBM InfoPrint Manager for the Web, you can now take advantage of easy, web-browser access to a broad range of print management functions.

Submit a Print Job From Any Location

If you've got your computer and can access the Web, you can submit a print job. Using your web browser, you can set print characteristics, such as the number of copies you need printed, the paper type and size and how you want your pages to be laid out. Among other options, you can assign priority and specify a printer for the job. You can even check to see which printers are currently available, or what type of paper is loaded



in a particular printer. Once you've determined how you want the job to print, you can immediately queue it for printing, or store it to print when you're ready.

Manage Your Print Jobs

Once a print job has been submitted, you can monitor its progress, as well as the status of all of the jobs on the server. You can retrieve detailed information about each job. You can even change the status of a job—that is, put a job on hold, release a held job to print or send an urgent job to the top of the print queue. You can also change print characteristics, redirect a job to a different printer or delete a job. Of course, all of this can be done on-site or from remote locations.

Manage Your Printers

If it's your job to look after the printers, you, too, can do this whether you're in the office, at home or on the road. Bring up the printer's web page and monitor the status of all the printers connected to the server. You can bring a printer online or find out why another is having problems. You can add and remove printers, configure a new printer or change a printer's configuration for communications, media, and processing.

Manage Your Documents With Secure Library Facilities

Your web-management solution would not be complete without a secure, full-function library. The library facility provides an information repository where you can

build and maintain a database for your documents. Library access is controlled by the use of assigned user names and passwords. Use the library to store, search for and retrieve documents. Find one document at a time or look at all of the documents that meet your specified search criteria. When you find the document you're looking for, you can view it or you can even set print characteristics and queue it for printing, right from the library.

Set up and Maintain the System

We didn't forget the system administrator's job in all of this. Right from the web pages, you can use setup and maintenance functions, download PostScript® drivers or upgrade your browser. With the setup functions, you can add, remove and update user accounts, as well as add, configure and remove printers and media objects. It just takes a click of the mouse for you to perform diagnostic procedures

to test the printers and client workstation connections. For maintenance, you can set the time and date, monitor system usage, do system clean up and stop, start or rebuild the server system. And, for accounting purposes, you can view logs that provide detailed information about previously submitted and completed jobs—such as the total number of pages that have been printed—with the information sorted by user, printer or date.

Scalability

Our smallest to our largest servers are supported, using the same technology that brought you the Web sites for Wimbledon, the Nagano Olympics and Deep Blue.

IBM InfoPrint Manager for the Web at a glance

Software Prerequisites

- IBM InfoPrint Manager for AIX® version 2.1 and its software and hardware requirements.
- Windows® 95™ or Windows NT™ operating system installed on your client system. May be installed on Macintosh or AIX® operating systems, but with limited function (print submission is not supported).
- Netscape version 4.04 or later or Internet Explorer® version 4 installed on your client system.

Hardware Prerequisites

- At least 210 MB of available hard-disk space on the InfoPrint server system for program files.
 - Additional hard-disk space on the InfoPrint server system for files that will be printed and stored. The amount of space needed depends on the size and volume of these files.
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