

Infoprint Server for iSeries



Highlights

- **Addresses the information presentation requirements of e-business**
- **Provides integrated PDF support for iSeries output**
- **Offers customized profiling and electronic distribution of documents and reports via intelligent routing**
- **Provides access to Infoprint Server functions through iSeries Navigator and Access for Web**
- **Dynamically transforms embedded TIFF, JPEG, PDF images and new iSeries full color format (IOCA FS45) to PDF output**

IBM Infoprint® Server for iSeries is an integrated program product that extends core iSeries output capabilities to address the information communication demands of e-business. Infoprint Server provides the facilities for electronic distribution and presentation of business information, enabling critical business processes to be re-engineered to drive increased service levels, decreased transaction costs and competitive advantage. If printing is reduced, then costs involving print—printer hardware, maintenance and operational costs—can be reduced as well, not to mention the savings on distribution costs including labor and mailing. Infoprint Server also addresses the network flow of documents and reports. This results in improved reliability and increased throughput, and can result in lower overall printing costs.

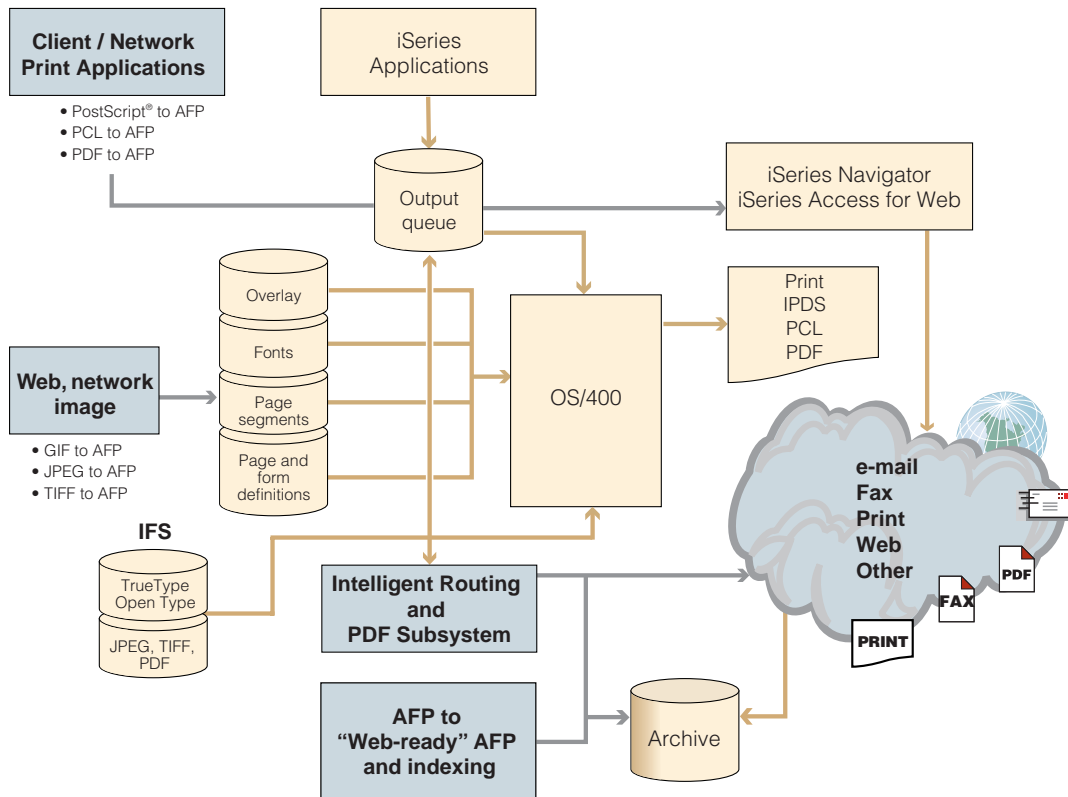
Electronic output

Integral to e-business success is the re-engineering of business

processes, particularly the flow of information. This often means moving from a traditional “print and distribute” model to an electronic distribution model. In this new “electronic output” model, information should flow to the desired destination in the appropriate format. For example, an e-business re-engineering project might require that shipping or order confirmation documents, formerly printed and mailed, must now be produced and distributed electronically. Infoprint Server provides the tools to make this transition.

PDF for iSeries

Infoprint Server for iSeries integrates PDF support into the OS/400® output architecture. The PDF subsystem enables the production of PDF from any standard iSeries output format — SCS, AFP™, IPDS™, even OfficeVision/400™. PDF transformation creates text-based, non-image ASCII PDF. This ability to create full text PDF files delivers document fidelity while



Gold color shows Infoprint Server components; gray color shows core iSeries output architecture

preserving the ability to navigate through the document or report. Text-based PDF is far smaller than PDF created as a full-page image, improving network performance as users access and download these files. PDF files can be written to the Integrated File System (IFS), iSeries output queues, or passed to the automatic e-mail function.

Integrated e-mail of iSeries output

Automatic electronic distribution via e-mail, a core function in the

implementation of e-business applications, is integrated into the PDF subsystem. This means that a newly created PDF file can be attached to an e-mail and sent. For example, sales reports that have previously been printed and distributed can now be distributed in electronic format via e-mail. The receiver can then view, print, or even forward the report as required. This kind of re-engineered business process can reduce costs, decrease cycle time, and make it easier for customers and vendors to do business with you.

Document segmentation

It can be advantageous to segment reports and documents, dividing a larger output file into several logical sub-documents or sub-reports. For example, a sales report print file may actually contain sub-reports for each region and it would be desirable to create separate electronic distributions for each region. Both OS/400 and Infoprint Server have added new functions to place segmentation "triggers" within the output data. Infoprint Server can act on those

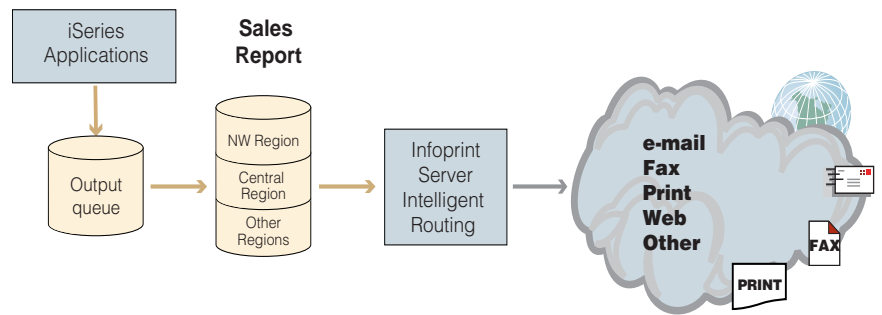
triggers and create separate PDF files for each logical segment. These multiple PDF files can then be written to the iSeries file system or automatically sent via e-mail. Customization exits give you additional control over the electronic distribution process.

Intelligent Routing

Putting all of these key elements together is the Intelligent Routing subsystem of Infoprint Server. Intelligent Routing provides for fully customized output management. It enables you to define target documents and reports, or sections of those output files, and then provide precise instructions on how that data is to be delivered. For example, a section of a sales report can be identified, target recipients defined, and a set of delivery functions encoded for each recipient. Delivery functions could include any combination of Web, e-mail, PDF, and print as well as integration with additional “downstream” options such as fax and archive.

Web-ready AFP output

A key strength of the iSeries AFP architecture is the structuring of documents into logical components, facilitating efficiency, control, security, and performance. An electronic AFP invoice, for example, may physically only contain application data while its overlay, image, and font resources are stored externally. This works well for



Schematic of Intelligent Routing Flow

printing when the iSeries is in control but limits the ability to distribute this data electronically.

Infoprint Server resolves this problem by enabling the creation of portable, or Web-ready, AFP data. This is accomplished by embedding the external resources within the distribution file. Infoprint Server also adds the ability to index the AFP data, enabling easy navigation through the document or report. At the receiving end, there is a downloadable AFP plug-in for Web browsers for fully-resolved viewing.

Networked printing

Infoprint Server provides the ability to apply the substantial print management capabilities of iSeries servers to non-iSeries documents and reports. In today's typical iSeries enterprises, there are client, network, and even some ERP applications that generate ASCII datastreams — PostScript, PDF, and PCL — print datastreams that were designed for personal printing.

Infoprint Server provides a set of integrated transforms to convert these print formats into AFP. This enables the system management, page-level error recovery, printer scalability, and control that comes with IPDS to be applied to these additional types of documents and reports.

Web-based images made iSeries-compatible

Web and client applications typically use GIF, TIFF and JPEG image file formats where the iSeries uses AFP image file format. In many applications, there is a need to bridge these format differences and enable use of Web and client image in iSeries output applications. Infoprint Server addresses this need in two ways: it supports the new iSeries capability of embedding web image formats directly into iSeries documents, and it provides batch transforms to convert GIF, TIFF and JPEG to iSeries format.

Infoprint Server for iSeries at a glance

Infoprint Server for iSeries allows you to:

Fully customize output delivery with Intelligent Routing

Convert any standard iSeries output file or segmented sub-file to PDF in real-text, full fidelity format

Provide advanced PDF services including integrated bookmarking, password protection, encryption, full color, and two-dimensional bar codes

Provide e-mail of any standard iSeries output file, integrating with most e-mail servers

Integrate electronic output segmentation in DDS or Create AFP Data command, enabling print files to be segmented into logical subsets

Provide two interfaces for intelligent routing functions—a programmable exit or an end user command interface

Integrate PDF and electronic delivery functions in iSeries Navigator and iSeries Access for Web

Transform PCL, Postscript, and PDF print files into AFP

Convert standard iSeries AFP print files to Web-ready AFP files to facilitate intranet distribution in AFP format

Index iSeries print files for navigation with PDF and Web browsers, and with archival systems

Convert standard Internet image files — GIF, TIFF and JPEG — into iSeries image format

Dynamically transforms embedded GIF, TIFF, JPEG and PDF images into PDF output

The iSeries printing and presentation experts

Printing is not easy, and today's networks and e-business applications have not made it any easier. IBM is the expert in iSeries printing and information presentation and this expertise can translate into success in implementing output applications. Call 1-800-IBM-4-YOU (426-4968), contact your local IBM Printing Systems representative or visit ibm.com/eserver/series/printing for more information.



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