

POWERFUL AFP TRANSFORM SUITE



CHEMISTRY™ CUSTOMER COMMUNICATIONS
MANAGEMENT PLATFORM.
POWERED BY SOLIMAR™

iCONVERT™ - AFP TRANSFORM SUITE

iCONVERT is a unique print server technology that emulates AFP IPDS printers. iCONVERT dynamically transforms IPDS data received from any AFP application into a variety of output formats. The output is ideal for printers and archiving products that do not support AFP applications. iCONVERT can run as a standalone product or be combined with the Solimar® Print Director™ Enterprise (SPDE) for additional job management. Job Events is an optional add-on module that enables very sophisticated job management capabilities.

The iCONVERT suite provides support for IPDS transforms to PCL, PDF, PostScript and TIFF. iCONVERT communicates with the AS/400 and mainframe host(s), appearing as IPDS printers receiving data via TCP/IP or SNA. The system operates as a Service, and can run as a standalone print server or in conjunction with SPDE for centralised print queue management. Conversion speeds are typically thousands of pages-per-minute depending upon application complexity, network transfer speeds, and print server specifications.

The AFP transform suite also provides dynamic routing of documents with optional job separation and file naming capabilities. Parsing, page counting, and dynamic naming of documents is supported with the Job Events Module.

JOB EVENTS

Job Events is an optional component for iCONVERT. The Job Events Module provides the ability to detect specific information in AFP (AFPD, ACIF, and IPDS) print data, act upon it in pre-defined ways, and pass it on to be delivered as instructed.

Job Events functionality can be used for a variety of applications including:

- Parsing and naming files based on information within the data
- Deleting specified pages
- Extracting information to name files for archiving and tracking
- Enabling load balancing across multiple devices
- Providing operator job control information for report distribution
- Adding bookmarks and electronic overlays to PDF output

AFP reports can automatically be sub-divided so that certain documents are routed to printers, while others are converted into an archiving format or both. Information extracted can be used to name files destined for archive systems or to control reprints. Job Events also provides a variety of choices for information extraction. Information such as page counts, user ID, or sensing duplex pages can be used for distribution or removal from the data altogether.

Job Events uses a custom set of rules to scan AFP print data. When a rule is matched, the module can delete the page or parse the data and extract job names and other report details. This enables reports to be routed and processed automatically under program control.

AFP PRINTER EMULATION

- Emulates IPDS printers, supporting all IBM IPDS towers
- GUI for easy implementation and support
- LU1/SCS, LU3/DSC, IPDS data streams
- Converts inline resources and print data dynamically
- Parse, spool, rename and dynamic routing
- Supports page rotation, multiple paper sizes and duplexing
- Scale to fit page (non edge-to-edge printers)
- Supports highlight and full colour
- Supports large file sizes (+2 GB)
- Supports PDF object containers
- Can add HTML codes to ASCII output
- Customisable finishing commands
- Supports complete IBM font set
- Browser based monitoring
- Output formats include:
 - PCL - Composite “non-raster” output
 - PostScript - Composite “non-raster” output
 - TIFF - Multiple compression options
 - PDF - Type 1 and Type 3 font support
 - IPDS - Pass-through
 - ASCII - Supports any matrix printer (IBM ProPrinter)

COMMUNICATIONS & CONNECTIVITY

- Appears to host as printer logical units (LUs)
 - NOTE: The term LU comes from the SNA world, but it is still used to describe a printer location for TCP/IP.
- Full bi-directional communication with host
- Supports IPDS error recovery and error messaging on printed output
- Supports up to 512 destinations
- Resource caching increases performance and reduces data transfer

COMPONENTS

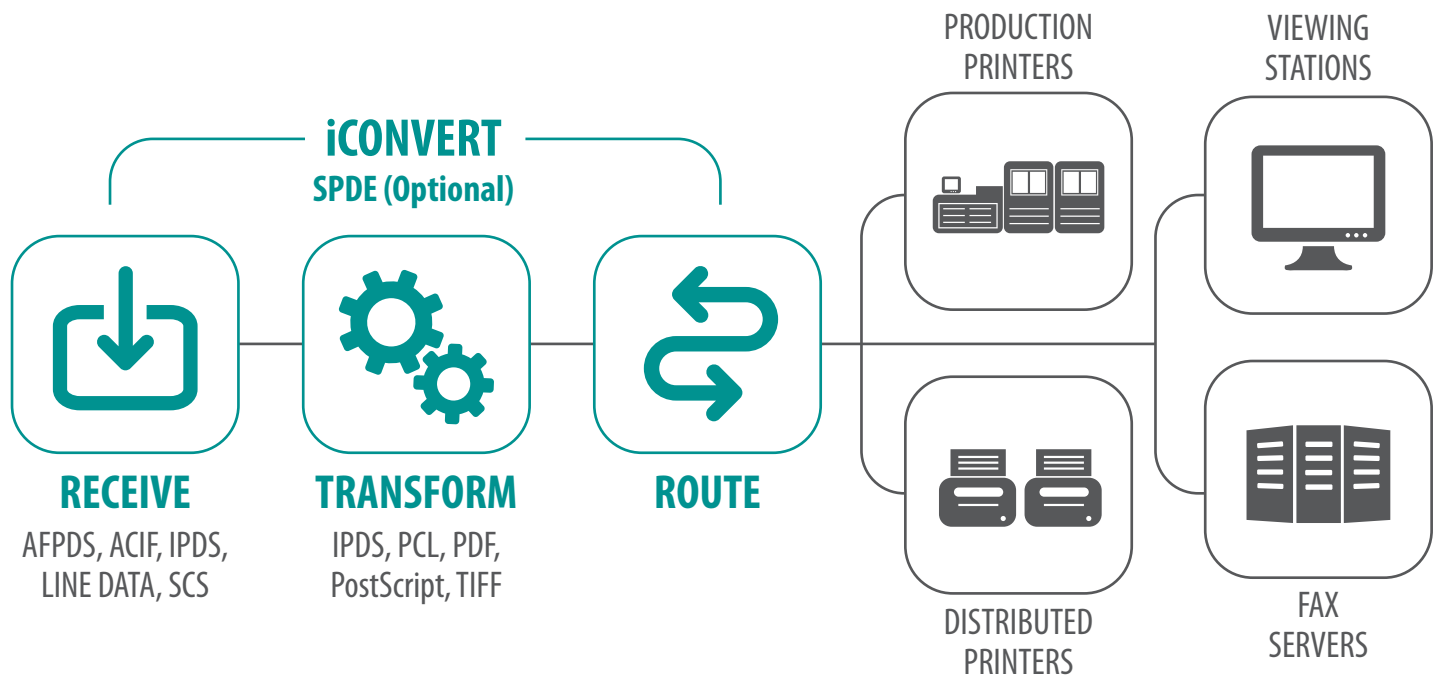
- PCL, PostScript, PDF
- TCP/IP connectivity

OPTIONAL ADD-ON MODULES

- 2D Barcode
- Job Events Module
- Type 1 PDF font substitution TIFF output

AFP CONNECTIVITY AND TRANSFORM WORKFLOW

Installed in thousands of sites worldwide, iCONVERT is a powerful transform engine for AFP environments that functions most commonly in routing mainframe and AS/400 print reports directly to hundreds of networked desktop printers. This suite of products can also route reports to production PostScript printers, viewing stations and archive systems.



The system communicates with host systems and appears as IPDS devices or LUs. iCONVERT dynamically transforms AFP reports into a variety of other print languages and routes the resulting data to distributed network and production printers, archiving systems, and viewing stations. The SPDE Line Mode::AFPDS module converts AFP formatted line and mixed mode data into fully composed AFPDS for further processing by the AFPDS modules.

AFPDS TRANSFORM MODULES

The AFPDS modules of SPDE convert AFPDS data streams (and resources referenced in the data stream) from mainframes, AS/400s and network systems to IPDS, PDF or composite PostScript. This enables AFP print data intended for centralised mainframe printers to be proofed and used with a wide variety of archiving systems, viewing stations or the Internet. The AFPDS emulation modules facilitate increased flexibility in processing and presenting data traditionally locked in the mainframe, AS/400, or AIX world.

These modules accept AFPDS data, which is a binary stream of variable-length structured fields (records) that define a document and its resources. In IBM documentation, AFPDS data is also commonly referred to as MO:DCA-P (Mixed Object: Document Content Architecture-Presentation) data. The module also supports AFPDS Conversion and Indexing Facility (ACIF) data, where the AFPDS document data and all resources are concatenated in one file.

SUPPORTED AFPDS FEATURES:

- MO:DCA-P IS/1
- BCOCA (1D and 2D)
- PTOCA PT1 and PT2 (all orientations and rotations)
- IM Images
- IOCA FS10
- GOCA DR/2VO
- Line mode and mixed mode AFPDS
- Overlays
- Page Segments
- Presentation Spaces (all orientations, rotations, etc.)
- Object Positioning, Trimming, ScalingCopies, duplex, offset stacking (jog)
- Media Source
- Converts inline resources and print data dynamically to PDF or PostScript resources

ENTERPRISE PRINT & DOCUMENT DELIVERY SOLUTIONS

With more than 45,000 products installed in thousands of sites worldwide, Solimar Systems is a leading provider of document delivery solutions for transactional/POD production printing environments and online web presentment.



Database-centric job management system with a web-based interface to drive printers and control Solimar systems to track and monitor job security, routing and device statuses.



Client-server-based output management solution combining integrated connectivity with fast, accurate print stream conversions, and powerful job routing/tracking capabilities.



Modular document re-engineering and post-composition solution that can be configured to automate manual processes, enable postal savings, add value to documents, and dynamically modify print data.



Automates output production tasks to support business-critical processes such as external processes & scripts, indexing PDF documents, and executing Rubika® configurations.



Powerful PDF indexing tools that provide methods to quickly design, test and manage indexing templates for data extraction. Works as stand-alone product or with SOLsearcher™ and Rubika®.



Scalable and secure electronic document delivery solution that enables organisations to index, store, search and retrieve large collections of transactional and scanned documents.

ABOUT SOLIMAR SYSTEMS, INC.

Solimar Systems enables organisations around the globe to onboard, make ready, enhance, manage and deliver print and digital communications and materials for a variety of industries and presentation types. Commonly known as workflow software, for over 30 years, our team has provided solutions to facilitate the production of printed materials and digitally delivered communications. As early adopters of the PDF output format, our Chemistry platform has tightly linked technology with the PDF standard that optimises and drives a variety of print and electronic requirements including transactional and direct mail printing, commercial print, carton converting and flexible packaging, labels, textiles and wide format. Our software also adds value with innovative technologies such as file optimisation, piece-level tracking, out-of-the-box visibility dashboards for processes and equipment and dynamic, data-driven Augmented Reality (AR) experiences.

Jamie Walsh
Regional Sales Manager

+44 (0)7377 143 665 @ jamie.walsh@solimarsystems.com
Robin Hill, Southam Lane • Cheltenham GL52 3NY • United Kingdom



Solimar Systems, Inc. • tel: +1.619.849.2800 • sales@solimarsystems.com • www.solimarsystems.com
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