

MakeAFP Utilities and Transforms

Highlights

- Transform AFP to email directly on the fly with an attachment in PDF format
- Create or update the Resource Access Table (RAT) quickly for AFP print system to utilize OpenType/TrueType fonts directly
- Extract, split, reprint and sort AFP pages quickly from zipped and encrypted AFP files
- Submit zipped and encrypted file to Infoprint Manager directly
- Transform SCS/line-data/text data directly to AFP or PDF in ultimate speed
- Automate the workflow of AFP formatting, printing, files retention and reprocessing
- Allow DBCS-PC (GB18030, BIG5, KSC, SJIS) to be sent to Infoprint Manager directly

As an open Industry standard for the mission-critical high speed printing business, AFP (Advanced Function Presentation) stands out for its high performance, stability and excellent error recovery.

A multitude of MakeAFP Utilities are developed for empowering you with more flexibility and capability, to maximize efficiency in the mission-critical production presentation environments.

Quick e-Statement Delivery

Delivering billing statements in e-Statement formats online via email systems has become a

new market demand around the World, which provides many benefits to both customers and billing service providers, such as quick and more reliable e-delivery, e-Statement high encryption, easy archiving and retrieving, much lower operation cost, etc.

MakeAFP provides a high performance AFP to email transform utility, with which you can directly split indexed AFP pages and transform AFP to emails with attachments in PDF format on the fly.



Ready for OpenType Fonts

With the FontRAT utility, the Resource Access Table for TrueType/OpenType fonts can be quickly created and updated for the latest AFP system to use a variety of TrueType/OpenType fonts directly.

Compression & Encryption

MakeAFP utilities allow you to compress & encrypt data quickly by the 256-bit AES; and decrypt the data protected by AES 128-bit, 192-bit and 256-bit that are compatible with WinZip, PKZIP and other popular formats.

MakeAFP reprocess (extract, split, sort and reprint) utilities are capable of reading AFP data stream from zipped and encrypted AFP file directly, and the enhanced print submit utility also allows you to submit a compressed & encrypted file directly to the Infoprint Manager, improving your data security, disk storage, I/O, data transmission and operation processing flow tremendously.

Efficient AFP Production

Whether you are a novice or an AFP expert, MakeAFP utilities empower you to deal with AFP easily and maximize your daily mission-critical productivity.

Most transactional AFP jobs such as statements and bills are usually very large. Printing such a large print job in a specific line can cause operational bottleneck in any print bureau. For workload balancing, splitting these large jobs into smaller manageable AFP segment files and then print them concurrently over several production printers can greatly alleviate these bottlenecks and increase the job turnaround time. With MakeAFP utilities, you can split such big AFP jobs quickly, and with MakeAFP mail-piece page boundary control, the pages that belong to a group are impossible to be split into separate AFP files.

Statements and bills are the most important medium of communication an organization can have with its customers. Each of them must be created, printed

and delivered efficiently with a high level of integrity, but reprinting the pages that are damaged or lost by pre-post inserter devices or mailing system is always a big challenge. Now MakeAFP utilities empower you to extract multiple ranges of pages or reprint selected pages quickly.

Most Print Bureaus need the AFP pages to be separated by number of pages per mail-piece, and AFP pages to be sorted by the postal code. Postal Systems encourage these sorting activities by offering postage rebates and discounts in order to optimize their postal operations and speed up delivery. Now MakeAFP utilities empower you with great capabilities to increase your efficiency and significantly reduce your postage cost.

Secured Auto-Workflow

With the powerful multithreaded AutoMakeAFP utility, once your data file, or compressed & encrypted input data file is placed in the users designated watching directories, it is auto-dispatched to the appropriate procedures for the subsequent processing of formatting, AFP splitting & sorting, printing and input files retention or deletion.

Higher Printing Quality

With the powerful MakeAFP utilities, you can instantly replace old AFP raster fonts used in your current AFP files with AFP outline fonts, or OpenType/TrueType fonts, which offers a superior performance and printing quality

on the new generation of IPDS printers, and AFP data stream can be viewed and transformed to other e-Statement formats across platforms easily.

High Speed Data Transforms

MakeAFP offers a suite of high speed transforms, SCS data stream from OS/400 and line-data and text data from multiple-platforms can be transformed into AFP or PDF quickly. Including of overlays/templates/images, PDF encryption, embedding subset of fonts in PDF and embedding resources in AFP are supported. Empower you a secured, efficient and flexible data distribution and presentation environment.

More Support for Asian Data

MakeAFP provides a suite of Input Record Exits for IBM ACIF (Advanced Conversion and Indexing Facility), with which you can submit your mixed ASCII/DBCS-PC (BIG5, GB18030, KSC, SJIS) line-data directly from open systems to Infoprint Manager or IBM DB2 Content Manager OnDemand.

MakeAFP also provides a suite of Input Record Exits to ACIF for Thai and Vietnamese with vowel auto-composition and data fields auto-alignment.

MakeAFP Utilities and Transforms for Windows at a glance

AFP to email transformation

- Splits indexed AFP pages by each tagged group boundary as an email attachment in AFP or encrypted AFP in ZIP format
- Or transforms AFP to PDF as the email attachment directly on the fly in high performance
- Imports the text messages from a text file or the HTML messages from a HTML file including all images and other embedded items

SCS to line-data, text, AFP and PDF transformation

- Runs as a high speed transform integrated either with InfoPrint Manager for Windows or MakeAFP LPD Server, receives SCS data stream from multiple OS/400 remote printing queues quickly
- Transforms SCS to PC native line data, text data, AFP and PDF in ultimate speed
- Including of overlays/templates/images, PDF encryption, embedding subset of fonts in PDF and embedding resources in AFP are supported
- Supports Thai and Vietnamese vowels auto-composition and line-data fields auto-alignment

Line/text data to AFP and PDF transformation

- Supports ASCII/EBCDIC ANSI/Machine carriage control code and Table Reference code
- Transforms ASCII/EBCDIC, SBCS-PC/DBCS-PC and SBCS-HOST/DBCS-HOST line-data and text data to AFP and PDF in ultimate speed
- Including of overlays/templates/images, PDF encryption, embedding subset of fonts in PDF and embedding resources in AFP are supported
- Supports Thai and Vietnamese vowels auto-composition and line-data fields auto-alignment

Creating font resources access table for open type fonts

- Creates and updates RAT (Resource Access Table) for TrueType/TrueType Collection/OpenType Fonts quickly
- Supports TrueType/TrueType Collection/OpenType fonts to be embedded by an AFP application, like IBM ACIF
- Allows TrueType/TrueType Collection/OpenType fonts to be captured by the new generation of IPDS printers for achieving the best processing performances, the captured fonts are retained in the IPDS printer's memory across the job boundaries and power cycles

Enhanced print submit

- Enhancement to the InfoPrint Manager print submit command, submits the flat file, compressed/encrypted file and AES encrypted file (compatible with PKZIP 8.0 & WinZip 9.0 AES, or compatible with 7-ZIP AES) directly to the logical or physical destination of InfoPrint Manager for AIX or Windows
- Supports compressed/encrypted input file in the formats of 7ZIP, ARJ, BZIP2, CPIO, GZIP, TAR, ZIP directly
- Can be integrated as a transformation for InfoPrint Manager for Windows to receive compressed and encrypted jobs directly
- Allows a server host name or IP address of InfoPrint Manager Server to be specified, for submit a job to a target InfoPrint Manager server easily
- Both command-line and GUI interfaces are provided

AFP reprint by mail-piece or multiple page ranges

- Supports reprinting of AFP pages or page-groups by multiple page ranges which can be in random order
- Supports reprinting of AFP page-groups by mail-piece, such as by account numbers or mail-piece numbers
- Supports searching of AFP pages directly from the indexed or non-indexed flat AFP files or compressed and encrypted AFP files in ZIP format
- AFP input files can be specified by an AFP filename if only one AFP file is being searched, a jobname if all of the AFP files under the same jobname are being searched, or an AFP filename prefix if only part of the AFP files with the same filename prefix are being searched. It gives you a flexible criteria to select the AFP files to be searched
- Both command-line and GUI interfaces are provided

AFP sorting by the number of pages per mail-piece

- Supports sorting of AFP pages by the number of pages per mail-piece
- Supports sorting of AFP pages directly from the indexed or non-indexed the flat AFP files or compressed and encrypted AFP files in ZIP format
- AFP input files can be specified by an AFP filename if only one AFP file is being sorted, a jobname if all of the AFP files under the same jobname are being sorted, or an AFP filename prefix if only part of the AFP files with the same filename prefix are

	<p>being sorted. It gives you a flexible criteria to select the AFP files to be sorted</p> <ul style="list-style-type: none"> – Both command-line and GUI interfaces are provided
<p>AFP sorting by the postal code plus mail-piece</p>	<ul style="list-style-type: none"> – Supports sorting of AFP pages by the postal codes and the number of pages per mail-piece – Supports sorting of AFP pages directly from the indexed or non-indexed flat AFP files or compressed and encrypted AFP files in ZIP format – AFP input files can be specified by an AFP filename if only one AFP file is being sorted, a jobname if all of the AFP files under the same jobname are being sorted, or an AFP filename prefix if only part of the AFP files with the same filename prefix are being sorted. It gives you a flexible criteria to select the AFP files to be sorted – Both command-line and GUI interfaces are provided
<p>AFP splitting with the mail-piece boundary control</p>	<ul style="list-style-type: none"> – Supports splitting of AFP pages by the number of pages per file, with the mail-piece grouping boundary control the pages belonging to a group are impossible being split into the separated PDF files – Supports splitting of AFP pages directly from the indexed or non-indexed flat AFP files or compressed and encrypted AFP files in ZIP format – AFP input files can be specified by an AFP filename if only one AFP file is being split, a jobname if all of the AFP files under the same jobname are being split, or an AFP filename prefix if only part of the AFP files with the same filename prefix are being split. It gives you a flexible criteria to select the AFP files to be split – Both command-line and GUI interfaces are provided
<p>Extracting AFP resources and non-AFP object resources</p>	<ul style="list-style-type: none"> – Extracts the inline AFP resources from an AFP file that has embedded inline AFP resources – Extracts the inline non-AFP data objects resources (TrueType/OpenType fonts, JPEG, GIF, TIFF, etc) from an AFP file that has embedded non-AFP data objects
<p>Extracting AFP document or merging AFP documents</p>	<ul style="list-style-type: none"> – Extracts the AFP document portion (all of the pages) from the fully composed AFP files in which inline resources are embedded – Merges multiple AFP files belonging to the same job into an AFP file – Able to specify which type of resources still need to be kept inline within the AFP file – Supports extracting or merging of AFP pages directly from flat AFP files or compressed and encrypted AFP files in ZIP format – Both command-line and GUI interfaces are provided
<p>Replacing legacy AFP raster fonts with outline fonts</p>	<ul style="list-style-type: none"> – Substitutes legacy AFP bitmap fonts with TrueType/OpenType fonts – Substitutes legacy AFP bitmap fonts with AFP FOCA outline SBCS/DBCS fonts – Optional conversion can be done between East Asian legacy codepages or to Unicode UTF-16 – Complex composition of Thai characters is supported with transformation from the legacy AFP Thai data stream
<p>Secured Workflow Automation</p>	<ul style="list-style-type: none"> – Runs as a multithreaded Windows service, pulling input files by the Windows file system change notification or watch-looping interval – Automation of job dispatching, AFP formatting, AFP data stream reengineering (sorting, splitting, reprinting, extracting AFP document and replacing AFP legacy raster fonts with outline fonts), printing submission, and delete or retain input files – Supports compressed/encrypted input files in the formats of 7ZIP, ARJ, BZIP2, CPIO, GZIP, TAR, ZIP directly – Retain and compress flat input files in ZIP compress/encrypt format – Supports compressed/encrypted output AFP file directly in ZIP format
<p>Input record exits for ACIF</p>	<ul style="list-style-type: none"> – Supports your mixed ASCII/DBCS-PC (BIG5, GB18030, KSC, SJIS) line-data from open systems with InfoPrint Manager or Content Manager OnDemand directly without any pre-conversion from ASCII/DBCS PC to EBCDIC/DBCS-HOST – Supports Thai and Vietnamese vowels auto-composition and line-data fields auto-alignment