

## Papyrus Archiving Solutions

### Papyrus WebArchive:

The Papyrus WebArchive offers company wide access as well as direct access for customers via the HTTP Internet technology using any web browser. Viewing and printing is provided on any platform by the license free Papyrus JAVA AFP Viewer. Alternatively the documents are converted by Papyrus for viewing to GIF or PDF format.

### Secure access for viewing:

After user identification and password verification, the customer will be presented with a list of available documents from a personal folder, which can be selected via hyperlinks for viewing. The Papyrus JAVA AFP Viewer presents the documents in perfect quality. The documents can be compressed and encrypted, so that for the actual viewing of the document another password is requested.

### Short term Archiving or Staging:

Immediate access to the mailed documents via the document index is provided to the customer service representative for viewing, local or central reprinting and faxing. The business documents are stored in tables or folders in the Papyrus WebArchive only for the first few months after production, when such inquiries occur most often.

### Supported formats:

AFP-DS, TIFF, PDF, line-mode

### The storage media:

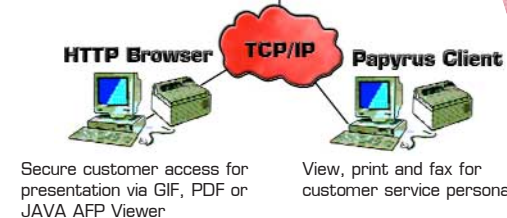
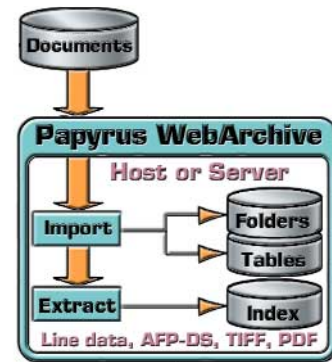
DASD, RAID, optical disks, tape libraries, CD-ROM, Microfiche

### Storage space requirements:

AFP-DS: 1-2 kB per page  
TIFF: 50-70 kB per page  
PDF: 20-30 kB per page

### Linking up to other archives:

- |                 |                                      |
|-----------------|--------------------------------------|
| IBM Visual Info | - stored format AFP                  |
|                 | - viewing Papyrus AFP Viewer         |
| Filenet         | - stored format TIFF                 |
|                 | - viewing TIFF viewer                |
| Siemens ARCIS   | - stored format TIFF                 |
|                 | - viewing TIFF viewer                |
| Microfiche      | - stored format Anacomp IDF and TIFF |
| CD-ROM          | - stored format AFP                  |
|                 | - viewing Papyrus AFP Viewer         |



## A customer installation

Volkswagen Financial Services AG uses a Papyrus LifeCycle Server to manage all document development and printing for its four automobile companies - Volkswagen, Audi, Skoda and Seat - and for their respective leasing applications.

### The Requirements:

- Easy migration of more than 1000 existing Xerox DJDE documents into a printer independent document format. Newly developed and converted documents will be integrated into the output management system
- Assembling Xerox line mode documents from the mainframe with documents from SAP R/3 on AIX and documents generated by the PC user on Windows
- Easy and fast graphical development of new forms and documents
- Optimized mailing of these documents and execution of the postal charge discounts for multiple daily mailings of 50.000 envelopes
- Direct printing to 600 dpi OCE PS 235 IPDS printers
- Print queue management
- Requested platform: AIX and NT
- Requested database: Oracle

### The Solution:

Papyrus PrintPool is the key component for collection, postage optimization and printing. Documents are extracted from the database based on print lists generated by Papyrus PostCalc. The extracted documents are post processed to include the franking information, the page numbering and the OMR codes for the enveloping machines including control for accompanying inserts.

Papyrus PostCalc uses the database tables to establish the optimal number of envelopes and to calculate the postal charges. It creates print lists for each postal charge category classified according to sorted ZIP codes and ZIP code groups. PostCalc provides a JAVA GUI where all steps can be manually queried and executed. Using JAVA enables PostCalc to operate on any system platform.

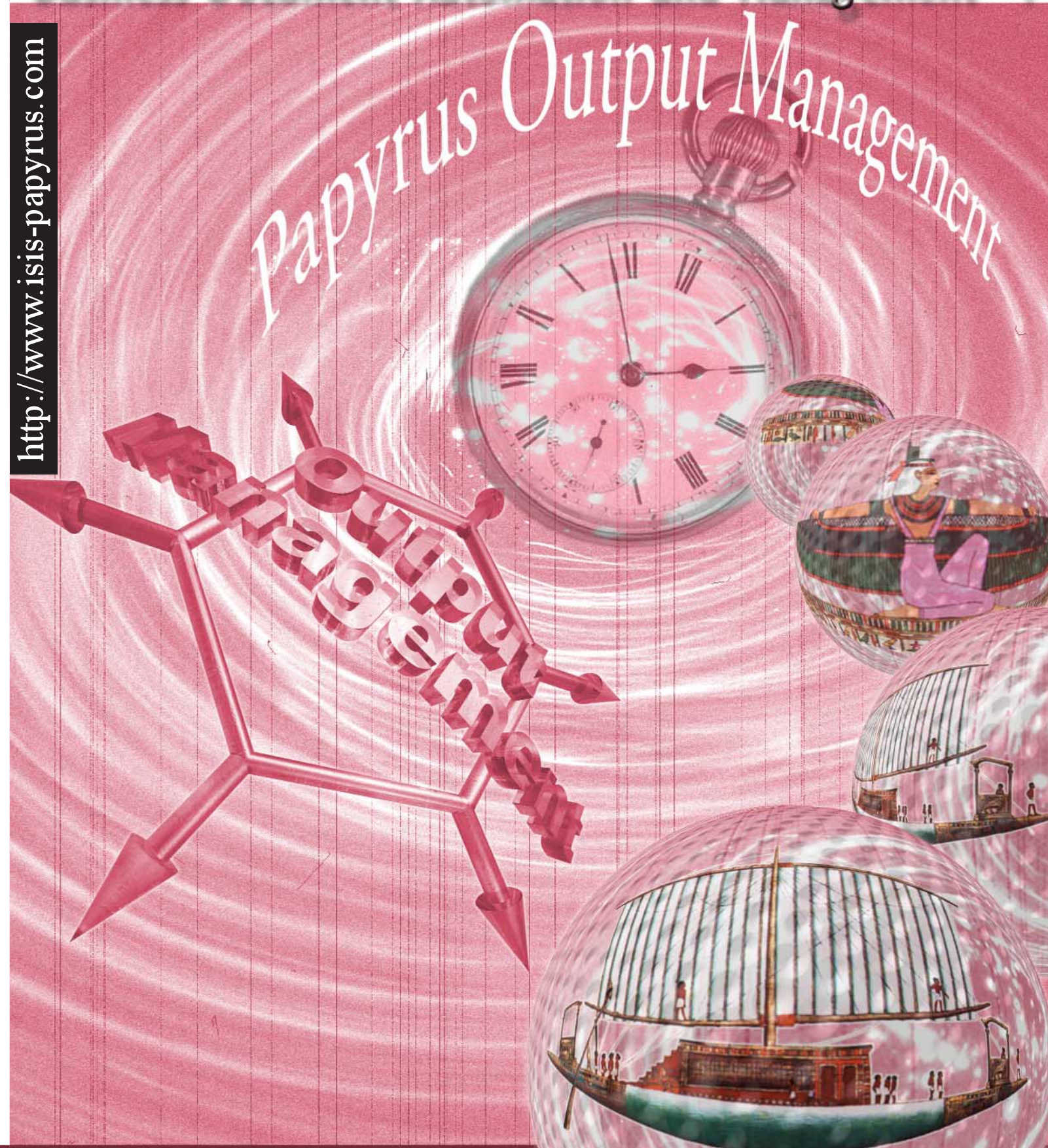
Papyrus Designer and Papyrus DocEXEC are used for the migration of existing documents and for development of new documents. At the design stage the index for each document is defined in the Papyrus Designer using the application input data. Papyrus DocEXEC provides the batch document formatting.

Papyrus LifeCycle Server controls the production printing on 2 OCE PS 235 IPDS printers in 2 UP mode via a Barr Channel card and routes some of the output to decentralized PCL network printers. Papyrus WebControl provides a graphical interface for spool and print management.

<http://www.isis-papyrus.com>

# ISIS Papyrus. Business Document Automation and Management™.

## Papyrus Output Management



Evolution did not stop with walking upright.

## The Concept

The Papyrus Output Management provides you with a unique solution for bundling, distribution, mail optimization and archiving of business documents. Using an architected document format, Papyrus is capable of merging documents from different applications for post processing and optimization. Furthermore the documents can be archived and distributed for viewing and reprinting using web technology.

### The Benefits:

Substantial cost reduction by

- reducing the amount of printouts
- reducing the number of envelopes mailed
- optimizing the postage per mail piece
- utilizing available discount structures
- merging host and PC documents into one envelope
- printing less by viewing before printing
- utilizing high speed printers for PC documents

### The Functions:

- Bundling, assembling, sorting
- Envelope merging
- Postal optimization and calculation
- Distribution and reprinting
- OMR and barcoding

## The Papyrus PrintPool

### Use any kind of data source:

All documents generated from various input data files at different times are stored into the PrintPool. The documents in the PrintPool are received from batch production on the mainframe and on the server or they are individually generated by the PC user.

### Send documents to the pool:

All documents are either sent via a queue directory, FTP, SNA RJE, or a MVS JES submitted job. The PC user submits the documents using an automatic TCP/IP send function provided by the Papyrus Desktop.

### Storing the document with index:

In addition to the composed documents the document index gets generated. The index, e.g. customer number, invoice number, page number, ... is easily defined at time of development in the Papyrus Designer, using the information from the application data file.

### Using a database:

The documents and the index are stored in a database of your choice, i.e. on the mainframe DB2 or on the server with Oracle. For simple bundling requirements it is also possible to store the documents in a file based system.

### The bundling process:

Panels are provided to manage the extraction of pages in any user defined manner. The bundling logic is completely flexible and extendible using customizable programs and DB control tables. Start the bundling process timed, triggered or by the user. The documents can be grouped into one envelope per customer or for a certain user or user department. The group sequence can be prioritized based on total group page numbers, users, documents and combinations thereof.

### Add barcode, OMR and page numbering 1 of n:

Once the documents are electronically bundled and sequenced, the Papyrus DocEXEC formatter will add information for the postprocessing equipment like the barcode, OMR code or i.e. 1 of 5 page numbering to the document. Papyrus offers a wide range of standard barcode formats, including 2D Data Matrix barcodes.

### Destination of documents:

As Papyrus generates all documents in a printer and platform independent format, they can then be printed to IPDS, Xerox Metacode, PCL and Postscript printers connected to the mainframe, the server or the client PC. Additionally they can be faxed, archived and distributed to the Internet.

### Previewing and Reprinting:

All documents can be reprinted by index. The user can search for documents in the PrintPool and view them in perfect quality before printing on a printer of choice.

### Bundling and Mail Optimization using Papyrus PostCalc:

The JAVA or C++ based Papyrus Postcalc programs are used to apply for postal discounts if they are available from the local postal authorities. Postcalc produces the ZIP or postcode sequenced PRINT-LIST. Once this is requested for printing, Papyrus DocEXEC assembles the pages from the PrintPool, merges pages for one envelope, assigns inserts, calculates the postage and prints the proper OMR code on each page to control the enveloping.

### Papyrus WebArchive:

The complete Papyrus PrintPool solution can be linked to the WebArchive, which enables user access through the Internet.

