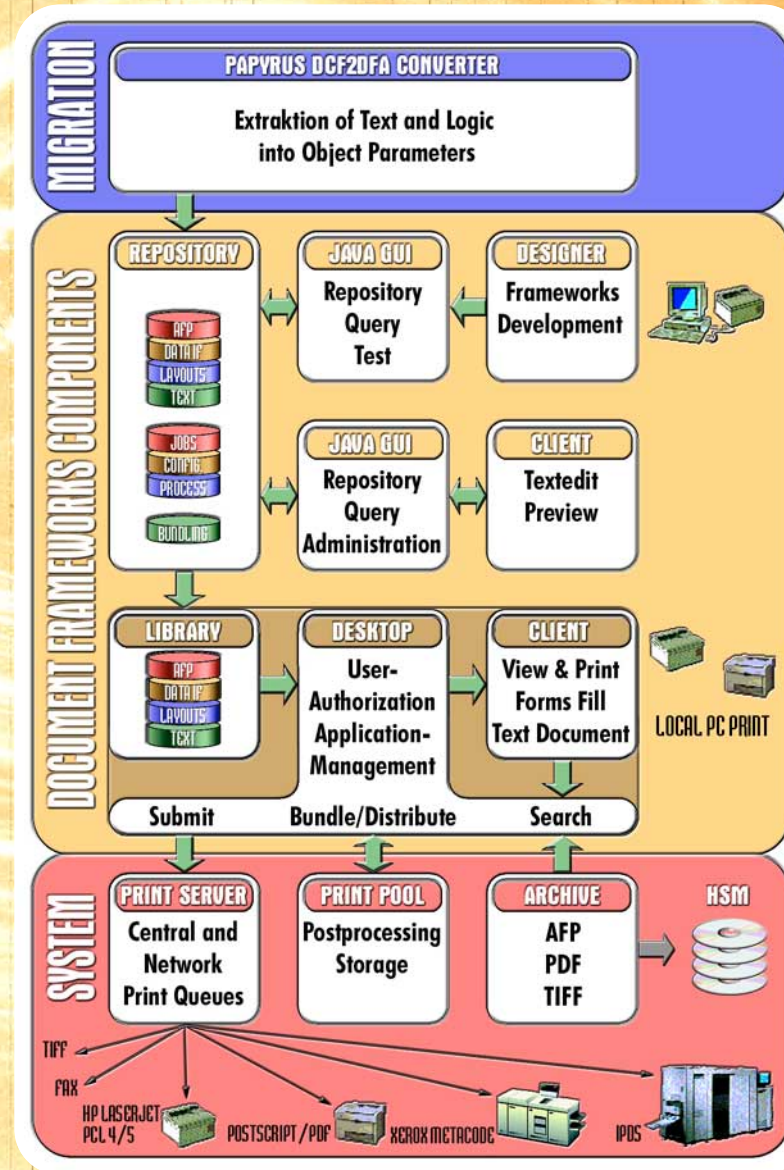


PAPYRUS DOCUMENT FRAMEWORKS Components

The **Document Framework** is an application concept using the following **Papyrus Standard Components**:

- **Papyrus Designer**: An integrated graphical development platform for all **Papyrus** applications
- **Papyrus DocEXEC**: A powerful formatter for dynamic documents on MVS, AIX, Solaris, HP-UX, Digital UNIX, OS/2 and NT
- **Papyrus Client with User Desktop** for simple retrieval of documents and applications by the end user. User utility for viewing, printing and formatting
- **Papyrus WebRepository**
 - Central management for text, forms, fonts and logos
 - Company wide forms management, request and billing
 - Print OnDemand of filed documents on central, LAN or PC printers
 - Version control for all document source and objects
- **Papyrus Converter** for the migration of text building blocks, e. g. DCF2DFA
- **Papyrus Postprocessing** with **PrintPool** for merging, bundling and sorting of documents
- **Papyrus PostCalc** for optimized postage per mail piece
- **Papyrus WebArchive** provides
 - Automatic indexing and filing in the **WebArchive** Database.
 - View and reprint of filed documents on central, LAN or PC printers
 - Searching, viewing and local printing of documents in the archive for authorized users.
 - Supported formats: AFP, PDF, TIFF, line data
- **Papyrus Server** for AFP printing on IPDS, PCL4/5, Xerox Metacode, Scitex and Postscript printers.

All components are modular and can be used in various configurations.



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

Papyrus Document Frameworks

Migration of Legacy Text Applications IPDT/ASF, M-Text, etc.

Evolution did not stop with walking upright.

Migration of Legacy Text Applications, IPDT/ASF, M-Text, etc. to PAPPYRUS DOCUMENT FRAMEWORKS

WHY MIGRATE?

IBM's IPDT/ASF is one of the oldest and most common document production systems in the mainframe world. Like many other legacy text systems, however, it does not measure up to today's requirements in a modern document system:

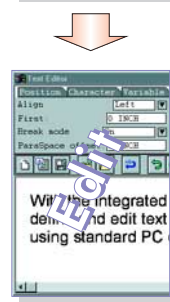
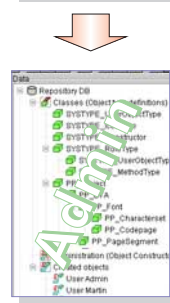
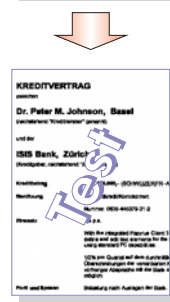
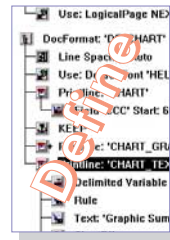
- Cumbersome development of documents without the ability to view the result during the programming process. To be tested, the application has to be formatted and printed, which is very time consuming.
- The development infrastructure is very limited. Code is simply typed into a text editor. There are no graphical design tools with WYSIWYG viewing and debugging capabilities.
- Production and printing of documents is typically only available on the mainframe.
- Limited version control.
- Industry experts, who usually do not have appropriate programming skills, have to learn a programming language (DCF) to be able to write text for documents.
- Inconvenient end user interface: Documents and building blocks can only be selected by input of numbers without the ability to view the finished document.

THE SOLUTION

Papyrus Document Frameworks provide a flexible way to create documents for the document designer as well as for the end user.

The following features are supported:

- 100% WYSIWYG document design with accurate viewing during the entire design process
- Unlimited graphical design possibilities
- Powerful design infrastructure with data interface and logic definition
- Visual programming - no coding
- Simple updating and maintenance due to WYSIWYG viewing and graphical editing
- Version control of all documents and document resources (fonts, logos, text building blocks)
- Task separation: The design engineer develops the application. The text administrator is not concerned with programming and can focus on writing and parametrizing the text (WYSIWYG viewing).
- The end user sees the formatted document or letter. Prompt commands allow him to select or edit building blocks, add individual text and view the finished document WYSIWYG.

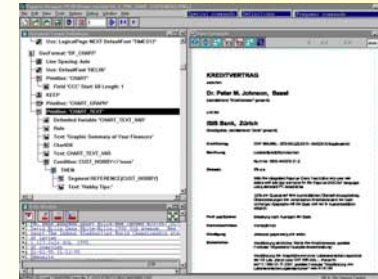


DESIGNER

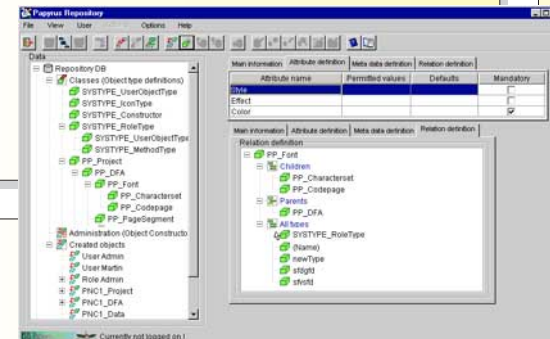
Document Development and Test

The designer develops all the document applications. **Papyrus Designer** is used to create modular document building blocks which can easily be put together into documents.

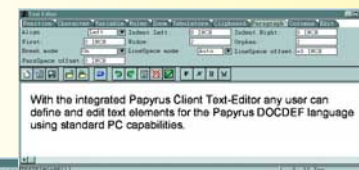
Unlike the usual design process, these document building blocks are just a framework of the documents and do not include specific text.



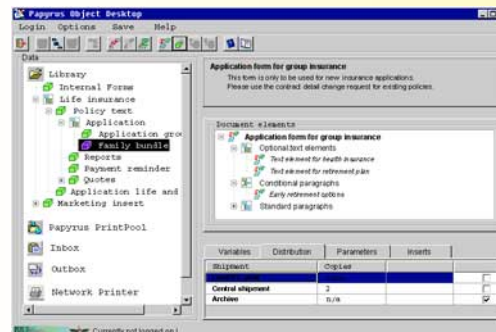
Papyrus Designer



Papyrus Repository JAVA GUI



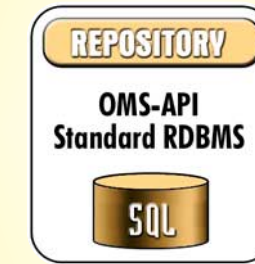
Papyrus Client with Texteditor and Prompt-Window



Papyrus Object Desktop

REPOSITORY

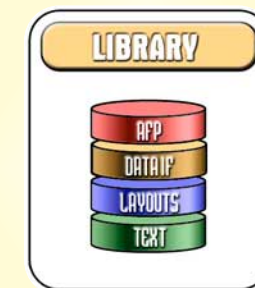
- Management of:
- Fonts, forms, logos
 - Document building blocks
 - Text
 - Object parameters
 - Layouts
 - Print jobs and queues



- Features:
- Version control for objects and source
 - Access with JAVA GUI or Papyrus Desktop
 - Authorized access

Distribute

LIBRARY



File based management for menu and document objects

ADMINISTRATOR

Text and Parametrizing

Text and other parameters, such as values for conditional prompts, for-next loops, etc. can be parametrized by the text administrator in a simple fashion. He takes a building block and edits parameters and text (e. g. various greeting texts), which are then saved as an object separate from the document building block. In this manner the document frame is formed from the parametrized building blocks. Text editing is done WYSIWYG in the **Papyrus Client**.

END USER

Assemble and Edit

The end user now has the simple task of selecting the appropriate building blocks from the **Papyrus Desktop** (e. g. which greeting text). Using **Papyrus Client** he edits the data (text or variables) within his authorization. All changes are stored in a history file and can be reviewed and recalled for later corrections.

Papyrus Desktop provides access to central services such as PrintPool and archive.

THE CONCEPT

Papyrus offers a complete solution for business documents. Document development, production, archiving and version control as well as **Papyrus** components for optimized mailing and postage are available.

The underlying AFP architecture makes printer and platform independent development of document building blocks and resources possible. All documents can be viewed, archived, distributed, printed, merged and bundled. No manual conversion of print resources is necessary for printing to different printers. The document on the screen matches the printed document from any printer 100%.

Management of document building blocks and print resources for company wide use is simplified by using a single resource library. Reusing of document building blocks makes the document development efficient and quick. The look of the printed document can be guaranteed on all platforms and printers which helps to maintain the corporate identity.

THE MIGRATION

The main task when switching from IPDT to **Papyrus Document Frameworks** is the migration of the DCF text blocks. This is done with the **Papyrus DCF2DFA-Converter**.

- The DCF text blocks are taken from the GIL and loaded into the converter.
- The converter then renders the DCF blocks into **Papyrus Document Framework** building blocks: That means, the content of the DCF blocks is converted to parameters of **Papyrus** building blocks.
- These parameter files are stored in the **Papyrus Repository**.
- The conversion and storage is done in one OS/390 batch run.
- The migration of other data and objects (e. g. customer data, user data, authorization systems, ...) into the repository is usually done by the customer, because formats and data structures differ from case to case. For that reason **ISIS** provides a detailed data model of the repository.