

# TECHNOLOGY INNOVATION

<FINANCE>



## Client Reporting

Transparent, Sophisticated and Customizable  
The new portfolio statement of Private Bank (Switzerland)

### INSIDE

**Case Study:** Private Bank Switzerland - Private Wealth Management

- ▶ High quality financial reports in full color with dynamic charts
- ▶ Identical look and feel for batch and ad-hoc report generation
- ▶ Total solution by one vendor

# Client Reporting

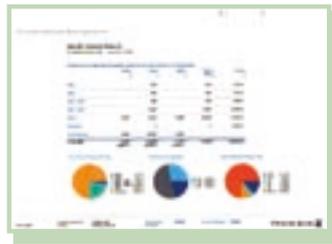
Transparent, Sophisticated and Customizable

The new portfolio statement of Private Bank Switzerland

Private Bank Switzerland sample report



**Portfolio Overview**  
Time Weighted Performance



**Specific Analysis**  
Equities Sector Allocation



**Portfolio Overview**  
Country Allocation



**Portfolio Overview**  
Asset Class/Currency Matrix

Switzerland's private bankers have long been renowned for their skill at developing asset allocation and management strategies on a global scale. Their tradition of thinking internationally and diversifying their clients' investments in fact, dates back to the 18th Century.

Our highly motivated, multilingual and multicultural staff are dedicated to providing the ultimate in personalized service to discerning clients from around the world.

Private Bank (Switzerland) is a center of excellence for Private Wealth Management. Their business philosophy reflects many of the traditional Swiss virtues and all their activities are guided by similar ethical values. Stability for them translates into long-term client relationships, while discretion and trustworthiness go hand in hand with confidentiality and reliability.

## ■ The Mission

A transparent, sophisticated and customizable new portfolio statement. It is the clear aim of the bank to provide first class service and utmost transparency in all aspects of the business relationship with the customer. Accurate and timely high quality information is key for Private Bank customers when it comes to monitoring and reviewing their investment strategy.

## ■ The Objective

Implementation of a single client reporting document lifecycle solution by one vendor to produce all portfolio types for mass and ad-hoc report production with integrated process management for document printing and archiving.

"We are committed to constantly improve our services through innovative tools or techniques", says Raymond E. Hess, Business Support, Deutsche Bank (Switzerland) Ltd. As part of this process the reporting tools have been redesigned and enhanced by providing a new, more sophisticated portfolio statement.

The new consolidated statement combines the cash and security investments conveniently in one single document. All reports have the same look and feel for mass, on-line and ad-hoc production.

## PAPYRUS PRODUCTS *in use*

### Papyrus Designer Package on Windows

WYSIWYG dynamic document design

### Papyrus DocEXEC on AIX

High speed document formatting engine

### Papyrus Postprocessing/PrintPool on AIX

Document pooling and output management

### Papyrus WebArchive on AIX

PDF conversion and long-term archiving

### Papyrus Server/IPDS on Windows

Printing on high speed color IPDS printers

### Papyrus Server/PS on AIX

Printing on high speed color Postscript printers

### Papyrus WebControl/Repository

Print and resource management

## In their own words...

*In my 30 years in banking I have never got such an excellent product in terms of investment and time of implementation.*

**Raymond E. Hess**

**Business Support  
Deutsche Bank (Switzerland) Ltd.**

## ■ The most important requirement: A flexible design tool!

- Fast and easy layout changes
- Dynamic table of contents (with two levels)
- Logo and graphics management
- Bar code and OMR code support
- Free and static text in 6 languages
- Indexing
- Flexible use of any data type or structure
- Modular development of document elements and their reuse
- Document format independent of platform, printer and archive
- Identical look and feel of mass and on-line report production
- Overlapping charts for Portfolio Performance
- Grouping functionality for nested tables

The portfolio statement is organized into five key sections, ranging from a top-level summary of the clients financial situation to an in-depth analysis of all underlying holdings. Subsequently, each report offers increasingly greater detail about assets and liabilities. The composition of each report is configurable per client.

## ■ Mass Printing

The portfolio statements can be received automatically in the frequency of the client's preference. They are either printed or mailed periodically (daily, weekly, monthly, quarterly, semi-annually and annually) or printed on demand when the client visits the bank.

## ■ Ad-hoc Printing

Interfaces with the Web Application and is performed as a local print. The reports are printed in full color, highlight or black and white. Xerox IPDS printers are used to print full color. Fonts are defined as outline fonts in 600 dpi. All printers are driven by the Papyrus Print Server with its integrated print process management. The Papyrus desktop for print operators and authorized users provides information on all jobs and printers in the network transparently and seamlessly across several platforms.

## ■ Smooth Project Implementation

After a successful proof of concept and pilot installation in the Private Bank Switzerland environment, the decision was made for Papyrus. Based on the defined project plan, the new statements were quickly developed using Papyrus Designer and at the same time, a test environment was implemented. For high volume formatting of mass production and on-line report generation, an AIX server with Papyrus DocEXEC was centrally installed.

The Papyrus PrintPool collects all to be printed documents, and is configured to provide all required output management functions for periodical mailings and on-demand printing. The AFP PRINT DataStream is checked into the PrintPool database. A daily job is started depending on the type of delivery. Either the AFP file is printed immediately on the IPDS printer, or additional information is added to the AFP document (i.e. new cover page with the address of the recipient).

Papyrus WebArchive was installed to convert the AFP files into PDF and by using an XML file interface the IBM OnDemand archive was integrated for long term storage.

## ■ The Workflow

Data from the business system is received by the Papyrus ICD Adapter (Batch) and Papyrus XML Adapter (Online). The documents are formatted using Papyrus DocEXEC and distributed in several different AFP output files. Operators in different locations monitor and maintain all system processes using the Papyrus WebControl functions in the Papyrus Desktop.

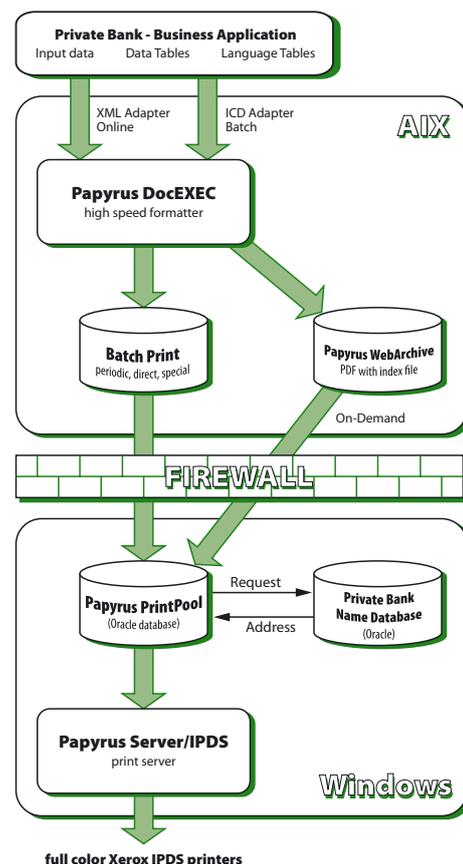
## ■ Challenges and Achievements

While the project was implemented, Private Bank acquired a new bank and therefore the design/layout of reports and workflow had to be adapted to the new requirements. This was positively demonstrated by the flexibility of the Papyrus system. Changes could be realized quickly without changing the application creating the input data files.

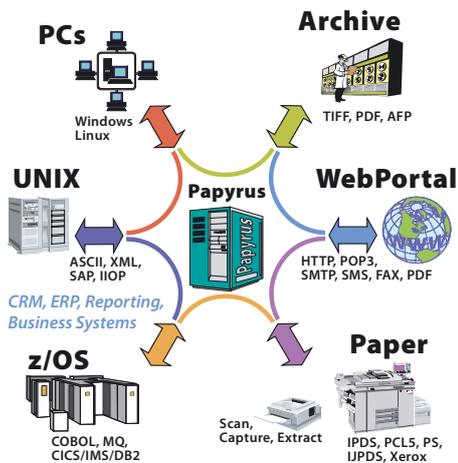
## ■ Reusability

The implementation at Private Bank Switzerland was later also used with little effort at Private bank in Singapore for their document applications, by using already existing WebControl and document definitions and setups.

## Private Bank Switzerland print workflow



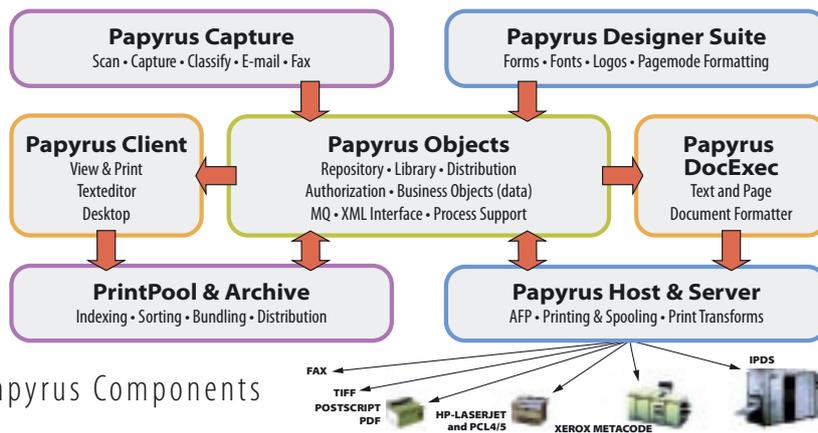
A comprehensive and scalable solution for centralized management of document applications, print and output operations that span web, client/server and host environments.



### Papyrus Document Frameworks

- Automated Document Factory
- Enterprise Application Integration
- Enterprise Output Management
- Enterprise Content Management
- Business Process Management
- Portal and Web Applications
- Change Management
- Correspondence
- Campaign Management
- Print Management
- Capture/Classify/Extract
- E-mail, Fax

Organizations can define, measure, and manage output management across complex heterogeneous environments from centralized control points.



Papyrus Components



## Finance Sector uses Papyrus

Abbey National Financial Services **UK** • Allianz **Ireland** • Allied Irish Bank **Ireland** • Australian Retail Financial Services **Australia** • Banca 121 S.p.A. **Italy** • Banca Popolare di Milano **Italy** • Banco Pastor **Spain** • Banesto **Spain** • Bank Leumi Tel Aviv **Israel** • Bank of America **Hongkong** • Bank of Canada **Canada** • Bank of China **Singapore** • Bank of Scotland **UK** • Bankgirocentralen **Sweden** • Barmer Ersatzkasse Wuppertal **Germany** • BAWAG Bank Vienna **Austria** • BBVA Madrid **Spain** • BNP Paribas **France** • Bristol & West plc **UK** • BSCSH **Spain** • Caisse de Prevoyance et de Retraite **France** • Caisse Valaisienne de Compensation **Switzerland** • Caixa Catalunya **Spain** • Caja de Madrid **Spain** • Caja Laboral **Spain** • Canada Trust **Canada** • China Trust Commercial Bank **Taiwan** • CITIBANK Asia-Pacific **Singapore** • Citigroup **USA** • Commerzbank **Germany** • COOP Bank Basel **Switzerland** • Credit Suisse Zuerich **Switzerland** • CS First Boston London **UK** • Den Danske Bank **Denmark** • Deutsche Bank **Germany, Luxembourg** • Dresdner Bank **Germany** • Dreyfus Söhne + CIE AG **Switzerland** • DWS Investment S.A. **Germany** • Fidelity SpA **Italy** • First Merit Bank **USA** • FISERV **USA** • FLEET **USA** • Fuji Bank Tokyo **Japan** • Gestitres **France** • Group Mornay **France** • Hamburger Landesbank **Germany** • HBOS Financial Services **UK** • HFC Bank **UK** • HSBC **Malaysia** • ING Bank Amsterdam **Netherlands** • JACCS **Japan** • Keppel TatLee Bank Ltd. **Singapore** • Kungthai Bank Bangkok **Thailand** • Lloyds TSB Registrars **UK** • PSK Austrian Postsparkasse **Austria** • PNC Bank Pittsburgh **USA** • Post Office Savings Bank **Singapore** • Rabobank ICT **Netherlands** • Realkredit Danmark **Denmark** • Royal Bank **Canada** • Schweizer Nationalbank **Switzerland** • SE Banken **Sweden** • SEB Bank **Germany** • SPARDAT Vienna **Austria** • Stadshypothek Stockholm **Sweden** • Svenska Handelsbanken **Sweden** • R-G Premier Bank of Puerto Rico **Puerto Rico** • Thai Farmers Bank **Thailand** • Thrivent Financial for Lutherans **USA** • UBS Basel **Switzerland** • UBS Zurich **Switzerland** • United Overseas Bank Malaysia **Malaysia** • VISA Desjardins Montreal **Canada** • Volkskreditbank AG **Austria** • Volkswagen Bank GmbH **Germany** • Zürich Schweiz **Switzerland**

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