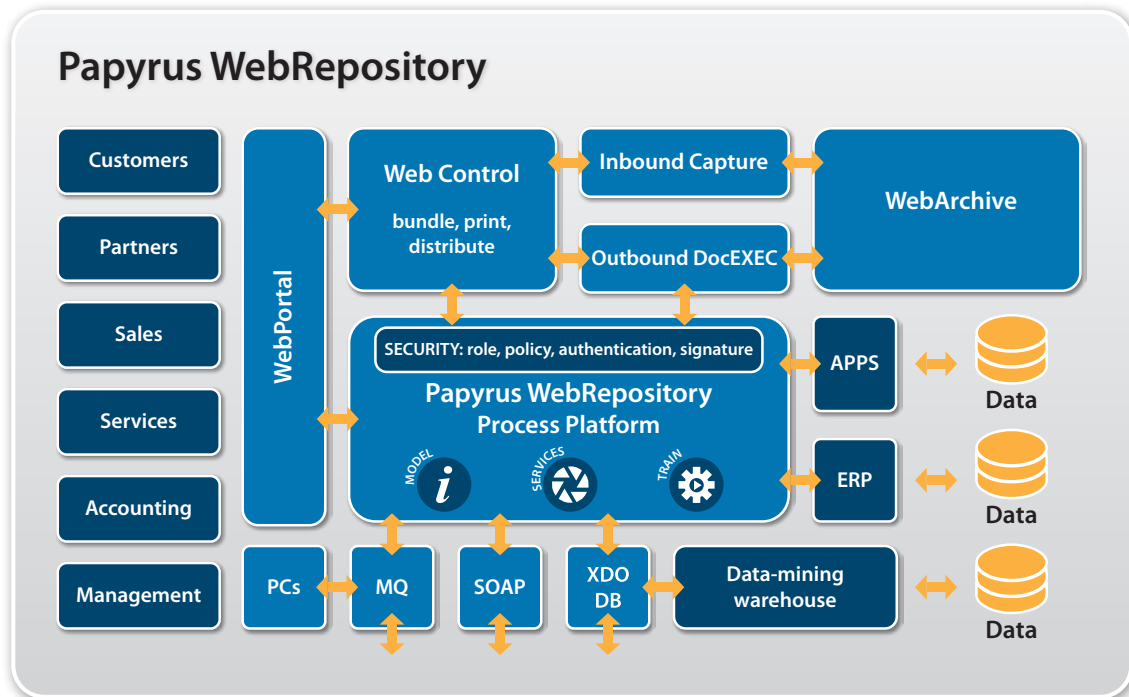


# Papyrus WebRepository 7



## Product Description

The **Papyrus Business Application Platform**, which is based on the Papyrus Objects Meta System, enables you to define, deploy and continuously expand comprehensive business applications. These applications can integrate every aspect of your business – including internal and external communications, interfacing with external data sources, data processing and storage, as well as business process management and workflow execution. Applications are designed with object-oriented models using business classes and templates in a visual development environment. They are managed with version control and a central user access and authorization concept that provides different clients/tenants with customized access.

**Papyrus WebRepository** is the core component of the Papyrus Objects architecture. It enables the control of all applications and document types across all platforms and output channels, for online and offline users. It provides full control for change management, security and versioning. **Papyrus Desktop** enables administrators and application developers to configure the system, define customized templates and build custom business applications. Business users are provided with GUIs based on **Papyrus EYE Widgets** or **Papyrus Desktop/HTML** for

all business applications/solutions. These can be customized to meet specific requirements. The **Papyrus Enterprise Mobile App** provides the same functionality for iOS and Android.

**Papyrus WebRepository** provides the following key features:

- Centralized installation and administration of Papyrus Objects Domains with an unlimited number of nodes
- Management of all document resources (text blocks, forms, fonts, logos,...) with version/variant control and validation
- Integrated print management/job control
- Sophisticated user authorization concept based on roles, privileges and policies
- Change management and version control from development, to testing and production
- Load balancing for high volume applications
- Integrated backup and hot standby solutions for high availability setups
- Security and auditing for the complete document life cycle
- Proxy management between nodes to guarantee offline capabilities
- Enterprise application integration with Papyrus Adapters and Type Managers
- BPM Workflow Designer following the BPMN standard
- UML-compliant class design

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## Papyrus Frameworks and Solutions

**Papyrus WebRepository** comes with a set of predefined solution frameworks which serve as a basis for customized application design. These out of the box solutions include:

- **Business Correspondence:** designed to manage all aspects of creating personalized customer correspondence, regardless of input and output channels
- **Business Document Capture:** designed for acquiring all types of inbound communication, automatically classifying it, extracting and validating data for indexing, as well as categorizing and distributing it for further processing using ACM
- **Automated Document Factory:** designed for intelligent end-to-end automation of print and mail-shop production processes, including formatting, printing, post-processing, email, fax and web delivery as well as archiving
- **Print and E-Delivery:** designed for outbound channel handling and tracking of printed and electronically delivered documents
- **Adaptive Case Management (ACM):** integrated, goal-oriented business process management beyond the rigidity of process management and the simplicity of case management
- **Reporting:** designed for generating reports and business user dashboards based on a variety of data sources
- **WebControl:** designed for print, job, spool and queue management across all platforms and output channels
- **WebArchive:** a fully integrated short-, mid- and long-term archiving solution with resource management, version control and interfaces to third party archive systems

## Functional Description

The **Papyrus WebRepository** is unique as developers can specify any class definition required and build their own application frameworks which are configured and deployed by administrators using templates. By defining the state machine of an object, its behavior within complex business processes can be easily defined, executed and monitored in the Papyrus Objects environment. Objects are stored in the Object Space (a Papyrus provided object relational

database) in a proprietary format and are usually just a few kilobytes in size. This reduces memory, disk space and bandwidth requirements. The integrated Papyrus Query Language is a versatile query and scripting language which gives developers and administrators full control of the Object Space.

Any kind of resource can be stored in a binary attribute, enabling the management of fonts, forms, logos, document definitions, PQL scripts, executables, XML, HTML and virtually any other format. By enabling relationships between object types powerful object structures can be defined as template trees for use by administrators for efficient application deployments.

**Papyrus WebRepository** is accessible via fat clients (**Papyrus Desktop**) as well as via thin clients, i.e. web browsers connected to a **Papyrus WebPortal**. The **Papyrus Enterprise Mobile App**, which is available for iOS and Android, also connects to a Papyrus WebPortal via a REST interface and thus enables the seamless integration of mobile devices. The freely configurable GUIs are an integral part of the application design which guarantees identical results for any client.

## Productivity Features

- A central facility to store class and template definitions
- Management of any type of object and definition of its features
- Version control for classes, templates and instances with validity dates
- Life cycle management for objects with development status
- User Trained Agent - an integrated business intelligence component for enterprise wide knowledge sharing
- Import/Export of object frameworks
- Enterprise Application Integration with Papyrus Adapters for loose coupling based on interfaces like MQ, SOAP, REST and DB Type Managers (Oracle, DB/2, ODBC)
- Integrated Portal for Web and Mobile solutions

## Management Features

- Resource Collection for centralized resource management
- Settings Collection for individual framework configuration
- Single-Sign-On techniques for user

authentication using LDAP

- Authorization framework for control of role-based access to objects and methods
- Papyrus Application and Performance Analyzer for tracing and tuning
- Integrated functions for auditing and audit report generation
- Integration with processes and tools like Papyrus DocEXEC, Papyrus Print and Email Servers, Papyrus Capture Recognition Server, etc.

## Papyrus Desktop Features

- GUI for accessing all Object Spaces
- Class and Template editor for defining and modifying objects
- Visual drag & drop application design

## Prerequisites

- z/OS 2.1/2.2/2.3 or
- Windows Vista/7/8/10/Server 2008/Server 2012/Server 2016 or
- AIX 6.1/7.1 or
- HP-UX Itanium 11.31 or
- Solaris V10/V11 or
- Linux (SLES 11/12, RHEL 5/6/7)
- TCP/IP and UDP for communication between nodes of Papyrus Objects
- High performance storage system for Object Spaces
- Optional: external database (DB/2, Oracle, MS SQL Server) for application integration using Papyrus Type Managers

## Order Information

**Papyrus WebRepository** for z/OS Unix, z/Linux, HP-UX Itanium, AIX, Solaris, Linux or Windows

## Training

ISIS Papyrus offers customized in-house workshops as well as standard courses for user training.

## Maintenance

The General Terms and Conditions for Papyrus Software Products apply. The free service period is 6 months from installation. After this period an optional maintenance contract is offered.