



# ISIS Papyrus Training Guide 2018



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## ISIS PYPYRUS ACADEMY

Service companies and individuals around the world have approached us to provide services to customers using the Papyrus Platform.

To ensure these professionals provide a high level of expertise, we have established the Papyrus Certification Program.

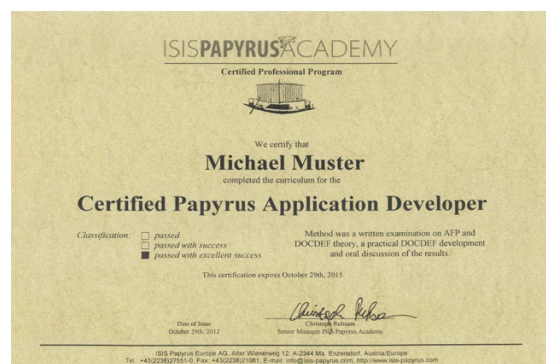
The mission of this program is to develop and maintain the standards for recognition of professionalism using the Papyrus Platform.

## Get Papyrus Software Certified!

*ISIS Papyrus invites you to become a Papyrus Certified Professional!*

ISIS Papyrus provides the necessary education and training program to completely prepare you for the certification test.

Details on the required skills for the Papyrus Certification are included in this brochure on page 14.



The Papyrus Certification is awarded to professionals having passed the Papyrus Certification examination. It needs to be **renewed every third year**.

Papyrus Certified Professionals may use their personal certificate and official certification level logo to promote their qualification.

A list of all current Papyrus Certified Professionals and their certification level is available online at [www.isis-papyrus.com/certifiedprofessionals](http://www.isis-papyrus.com/certifiedprofessionals)

## Europe/Austria

### ISIS Papyrus Solutions and Competence Center

Papyrus Platz 1  
2345 Brunn am Gebirge/Vienna

**T:** +43-2236-27551

**F:** +43-2236-21081

**E-mail:** workshops@isis-papyrus.com

**Contact:** Sabine Kroneder, Training Coordinator



## America/Southlake (Dallas), Texas

### ISIS Papyrus Solutions and Competence Center

301 Bank St.  
Southlake, TX 76092

**T:** 817-416-2345

**F:** 817-416-1223

**E-mail:** workshops@isis-papyrus.com

**Contact:** Gina Lacy, Course Coordinator



## Asia/Singapore

### ISIS Papyrus Asia Pacific

9 Temasek Blvd. #29-01  
Suntec City Tower 2  
Singapore 038989

**T:** +65-6339-8719

**F:** +65-6336-6933

**E-mail:** workshops@isis-papyrus.com

**Contact:** Janet NG, Course Coordinator



## Excellence in hands-on workshops and courses

We invite you to attend the Papyrus Platform workshop classes in one of the ISIS Papyrus high-tech training centers of your convenience. In a relaxed and comfortable atmosphere, we created places where you will learn best practices for the business document solutions of tomorrow – to use in your environment today.

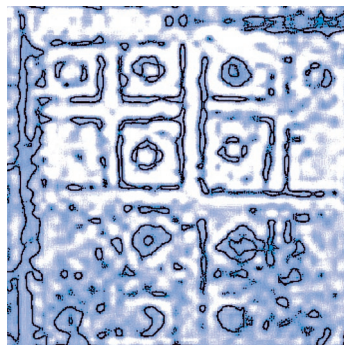
Experienced ISIS Papyrus Professionals have been chosen to conduct our workshop classes and deliver a high-quality experience.

## Registration

**Online registration:** [www.isis-papyrus.com/training](http://www.isis-papyrus.com/training)

Most workshops and courses are offered in English and German.





### Papyrus Upgrade Workshop

Get in touch with new formatting and document creation capabilities of the Papyrus document system

#### Participants:

- Application developers
- Application analysts

#### Prerequisites:

- Papyrus Document Design and Formatting Workshop
- Experience in Papyrus application development

#### Goals:

- Gain knowledge of updated formatting capabilities
- Advantages and options of Papyrus Business Correspondence Solution
- Create, modify and administer resources in Papyrus WebRepository's Resource Collection
- Data interfaces for Papyrus WebRepository

#### AUSTRIA (German)

€ 1000

May	2-4
October	22-24

#### AUSTRIA (English)

€ 1000

April	4-6
October	22-24

#### USA (English)

USD 1200

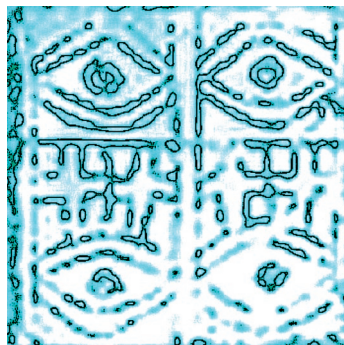
April	23-25
September	5-7

#### SINGAPORE (English)

USD 1200

March	12-14
October	8-10

see page 6



### Papyrus Document Design and Formatting Workshop

Development of formatted document and statement applications

#### Participants:

- Application developers
- Application analysts

#### Prerequisites:

- PC experience
- Script programming

#### Goals:

- Complete understanding of the Papyrus formatting capabilities
- Using examples of real documents, quickly learn the use, the functions and the design tool to build complete statement applications

#### AUSTRIA (German)

€ 2100

March	12-16
June	4-8
October	15-19

#### AUSTRIA (English)

€ 2100

February	5-9
May	14-18
October	1-5

#### USA (English)

USD 2400

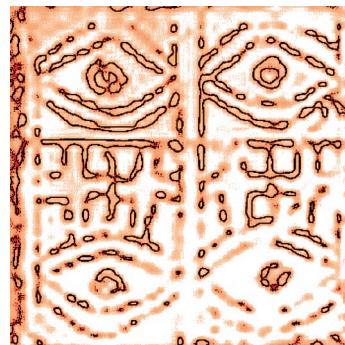
January	22-26
April/May	30-4
September	24-28

#### SINGAPORE (English)

USD 2400

February	19-23
October	22-26

see page 7



### Papyrus Objects System Administrator Workshop

Administration of the Papyrus Objects Platform for business processes and application analysis

#### Participants:

- System administrators
- Solution architects
- Project managers

#### Prerequisites:

- General understanding of IT principles and concepts
- Object-oriented modeling principles

#### Goals:

- Command of the Papyrus Objects administrative tasks
- Create applications from existing frameworks and run production
- Using Papyrus Query Language (PQL) for automating administrative tasks

#### AUSTRIA (German)

€ 2100

Feb./March	26-2
April	23-27
September	17-21
November	5-9

#### AUSTRIA (English)

€ 2100

Jan./Feb.	29-2
April	9-13
August	27-31
November	12-16

#### USA (English)

USD 2400

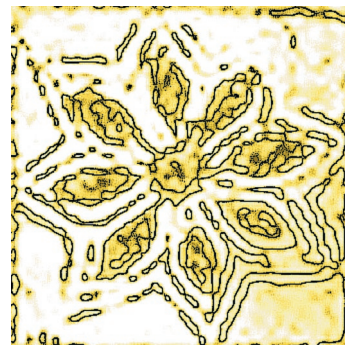
March	12-16
September	10-14

#### SINGAPORE (English)

USD 2400

April	23-27
September	24-28

see page 8



### Papyrus Business Correspondence Solution Workshop

Configuration of Papyrus Business Correspondence Solution

#### Participants:

- Business users (Part I)
- System administrators (Part I+II)
- Solution developers (Part I+II)

#### Prerequisites:

- Part I: Domain-specific knowledge about business correspondence
- Part II:
  - Object-orientation
  - Papyrus Objects System
  - Administrator Workshop
  - Papyrus Document Design and Formatting Workshop

#### Goals:

- Part I: Conceptual understanding and usage of the Papyrus Correspondence Solution
- Part II: Adapt the Papyrus Correspondence Solution to individual company needs

#### AUSTRIA (German) \*

February	19-23
April	16-20
September	24-28
December	3-7

#### AUSTRIA (English) \*

January	22-26
April	23-27
September	10-14
November	26-30

#### USA (English) \*

March	19-23
September	17-21

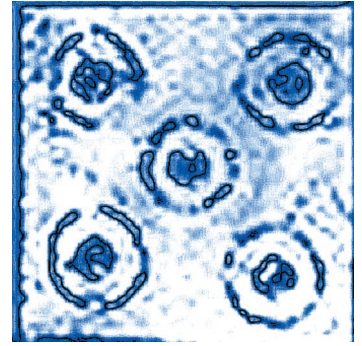
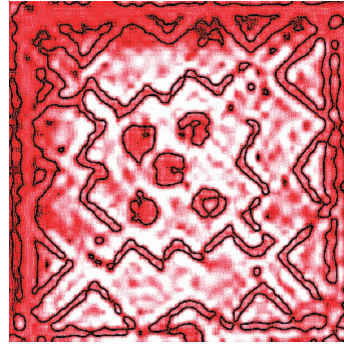
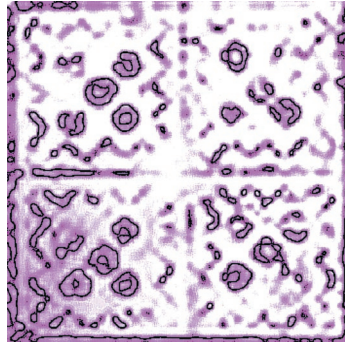
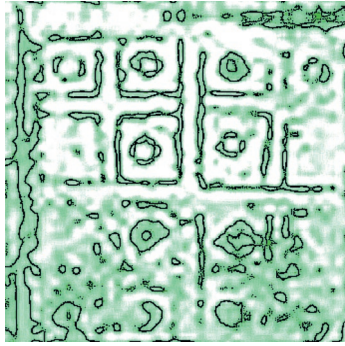
#### SINGAPORE (English) \*

May	21-25
October	1-5

\* The workshop covers 2 parts which can be booked at the following pricing:  
Part I: € 1500/ USD 1700  
Part I+II: € 2100/ USD 2400

see page 9





### Papyrus Output Management Workshop

Develop output management applications for bundling, distribution, e-delivery, multi-channel output and archiving

#### Participants:

- Application developers
- Application analysts

#### Prerequisites:

- Papyrus Document Design and Formatting Workshop
- Papyrus Objects System Administrator Workshop

#### Goals:

- Complete understanding of the Papyrus output management capabilities
- Understanding of bundling, output channel configuration and archiving

#### AUSTRIA (German)

€ 2100

March	19-23
November	19-23

#### AUSTRIA (English)

€ 2100

April	16-20
November	5-9

#### USA (English)

USD 2400

March	5-9
October	1-5

#### SINGAPORE (English)

USD 2400

Date on request

see page 10

### Papyrus Objects Developer Workshop

Developing object-oriented business applications for the Papyrus WebRepository platform

#### Participants:

- Application developers
- Application analysts

#### Prerequisites:

- Programming knowledge in object-orientation
- Understanding of XML
- Papyrus Objects System Administrator Workshop

#### Goals:

- Understanding of object-oriented modeling in Papyrus Objects: class and template definitions, principles of Papyrus Query Language, Papyrus Adapter techniques and Papyrus UI applications

#### AUSTRIA (German)

€ 2100

Feb./March	26-2
October	8-12

#### AUSTRIA (English)

€ 2100

March	5-9
September	17-21

#### USA (English)

USD 2400

May	7-11
October	15-19

#### SINGAPORE (English)

USD 2400

Date on request

see page 11

### Papyrus Experts Workshop

Development of enhanced document and workflow applications using Papyrus WebRepository

#### Participants:

- Application developers
- Application analysts

#### Prerequisites:

- Papyrus Document Design and Formatting Workshop
- Papyrus Objects Developer Workshop

#### Goals:

- Using extended Papyrus Designer/DocEXEC features
- Accessing objects in the Papyrus WebRepository directly from DocEXEC
- Usage of the Papyrus Query Language (PQL)

#### AUSTRIA (German)

€ 1000/€ 1500\*

April	9-13
November	26-30

#### AUSTRIA (English)

€ 1000/€ 1500\*

March	5-9
November	12-16

#### USA (English)

USD 1200/USD 1700\*

Date on request

#### SINGAPORE (English)

USD 1200/USD 1700\*

Date on request

**\* Modules can be booked separately. Pricing:**

Module 1: € 1000/ USD 1200  
Module 2: € 1500/ USD 1700

see page 12

### Papyrus Capture Solution Workshop

Design and administration of Papyrus Capture Applications in Papyrus Objects

#### Participants:

- System administrators
- Capture designer
- Project managers

#### Prerequisites:

- Basic knowledge of requirements of document Capture
- Papyrus Objects System Administrator Workshop
- Papyrus Objects Developer Workshop (recommended)

#### Goals:

- Introduction to the user interface of Papyrus Capture and Capture Designer
- Design classification and extraction definitions
- Install, operate, and maintain a project within Papyrus WebRepository

#### AUSTRIA (German)

Module 1: € 2100

March	19-23
June	11-15
October	8-12

#### AUSTRIA (English)

Module 1: € 2100

February	12-16
June	18-22
November	19-23

#### USA (English)

Module 1: USD 2400

Date on request

#### SINGAPORE (English)

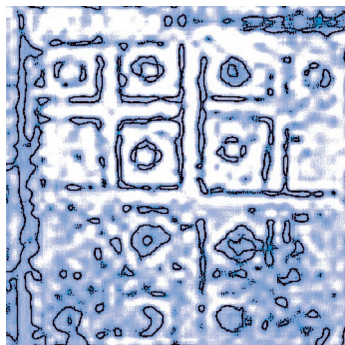
Module 1: USD 2400

Date on request

#### Additional Modules Pricing:

Mod. 2 - Designer FixForm  
€ 1000/USD 1200  
Mod. 3 - Designer FreeForm®  
€ 1000/USD 1200  
Date on request

see page 13



All ISIS Papyrus courses are also offered as In-house Workshops (see page 15).

ISIS Papyrus offers optional single-room hotel accommodation for classroom courses for approximately USD 100 / € 90 per night. More information on available hotels can be found online: [www.isis-papyrus.com/hotel](http://www.isis-papyrus.com/hotel)

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For further questions, please contact us:

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Fax: +43-2236-21081  
E-mail: [workshops@isis-papyrus.com](mailto:workshops@isis-papyrus.com)

#### **AUSTRIA (German)**

**€ 1000**

May	2-4
October	22-24

#### **AUSTRIA (English)**

**€ 1000**

April	4-6
October	22-24

#### **USA (English)**

**USD 1200**

April	23-25
September	5-7

#### **SINGAPORE (English)**

**USD 1200**

March	12-14
October	8-10

# Papyrus Upgrade Workshop

*Get in touch with new formatting and document creation capabilities of the Papyrus document system and experience document administration with the Papyrus Business Correspondence Solution*

Duration: 3 days

Time: Mo 11-17, Tu-We 9-17 or We-Th 9-17, Fr 9-15

## Participants:

- Application developers
- Application analysts

## Prerequisites:

- Papyrus Document Design and Formatting Workshop
- Experience in Papyrus application development

## Goals:

- Gain knowledge of updated formatting capabilities of Papyrus Document Designer/DocEXEC
- Give Papyrus document developers an understanding of the advantages and options of Papyrus Business Correspondence Solution
- Ability to create, modify and administer resources in Papyrus WebRepository's Resource Collection
- Conceptual understanding of data interfaces for Papyrus WebRepository

## Content:

### **Papyrus Document Designer and DocEXEC features:**

- Create hyperlinks and embed video files with STICKER command
- Usage of external TrueType fonts (TTF) throughout the document life cycle (AFP-PDF-PDF-in)
- Usage of barcode types PDF417, QR, Datamatrix, Maxicode
- Size calculation of dynamically formatted output for optimized message placement with PURGE command
- Usage of color profiles with CMRPROFILE command
- Define text styles like bullet lists with TEXTSTYLE command
- Install hyphenation and spellchecking libraries
- Interactive document applications with Papyrus Client Canvas:
  - implement links for document-internal navigation
  - Tablet signature support with IMAGEPROMPT command
  - copy&paste images from clipboard into TEXTPROMPT command
  - create barcode, tables and boxes with CANVAS command

### **Document template building by the Business Document Administrator:**

- Create building blocks with Papyrus EYE Widgets-based user interface (without Papyrus Designer)
- Create document templates from building blocks
- Administer building block templates
- Change management to release templates into the production process

### **Document creation by the Business User Clerk:**

- Letter writing by means of predefined document templates

### **Papyrus WebRepository's Resource Collection:**

- Difference between file-based Resource Library and Resource Collection and its advantages
- Resources in the context of versioning and change management
- Import of external resources
- Creation and activation of new resource versions
- Deactivate resources by defining a From/To validity period
- Administer resources with Resource Explorer
- Modify resources (page segments, overlays, fonts) from within Resource Explorer

### **Data interfaces for Papyrus WebRepository:**

- Concept of data interfaces for Papyrus WebRepository
- Presentation of a selection of data interfaces
- Design and implementation of a new data reading routine (CSV data)

# Papyrus Document Design and Formatting Workshop

*Development of formatted document and statement applications*

Duration: 5 days

Time: Mo 11–17, Tu–Th 9–17, Fr 9–15

## Participants:

- Application developers
- Application analysts

## Prerequisites:

- PC experience
- Script programming

## Goals:

- Complete understanding of the Papyrus formatting capabilities
- Using examples of real documents, quickly learn the use, the functions and the design tool to build complete statement applications

## Content:

### AFP Basics:

- AFPDS architecture & resource types
- Use of TrueType and Adobe fonts
- Print resources and printer management with AFP

### Papyrus Document Designer Suite:

- The Designer Suite: Papyrus Designer, AFP Designer, Image Editor, Font Editor, FontConverter
- AFP Designer: design a simple PPFA print application: creation of PAGEDEF and FORMDEF, overlay
- Image Editor: Import PC graphics, creation of AFP page segments, image editing
- Font Editor: font types (raster and outline), font resources (coded font, codepage, character set), font editing
- FontConverter: conversion of True Type fonts into AFP fonts

### Papyrus Designer first steps:

- Setup of the font library
- Setup of a forms and graphics library
- Using the data window for variable definitions
- Editing with the logic window
- Assigning logical pages to sheets
- Defining subroutines and macros
- PC test printing and generation of AFPDS and PDF files
- Viewing of AFPDS with Papyrus Client and AFP Viewer

### Migration of OGL/PPFA applications:

- Migrating PPFA source code to DOCDEF source code

### Text document with variables:

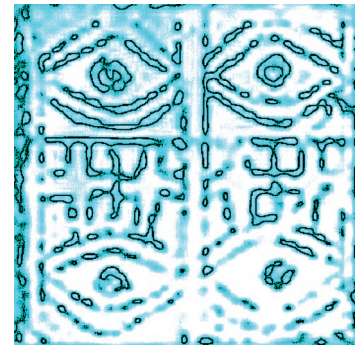
- Various data formats in ASCII, EBCDIC, etc.
- Conditional control based on data
- Multi-language applications
- Embedding graphics and signatures
- Reading and processing XML input
- Modularization of DOCDEF source code

### Developing business documents and reports:

- Process different input records
- Variable arrays and repetitions
- Tables with controlled pagination
- Table of contents creation
- Defining a cross reference index
- Page rearrangements
- Defining bar, pie, and line charts
- N\_UP and duplex capabilities
- How to define a document AFP index

### Outlook on Papyrus WebRepository and Papyrus Postprocessing/ Document Pool:

- Developing documents in a Correspondence Solution
- Managing resources in Papyrus WebRepository
- Additional functionality of Papyrus Designer/DocEXEC for output management



All ISIS Papyrus courses are also offered as In-house Workshops (see page 15).

ISIS Papyrus offers optional single-room hotel accommodation for classroom courses for approximately USD 100 / € 90 per night. More information on available hotels can be found online: [www.isis-papyrus.com/hotel](http://www.isis-papyrus.com/hotel)

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Fax: +43-2236-21081

E-mail: [workshops@isis-papyrus.com](mailto:workshops@isis-papyrus.com)

### **AUSTRIA (German)**

#### **€ 2100**

March	12-16
June	4-8
October	15-19

### **AUSTRIA (English)**

#### **€ 2100**

February	5-9
May	14-18
October	1-5

### **USA (English)**

#### **USD 2400**

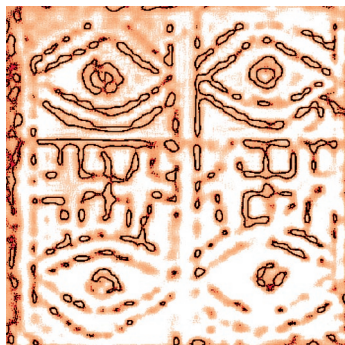
January	22-26
April/May	30-4
September	24-28

### **SINGAPORE (English)**

#### **USD 2400**

February	19-23
October	22-26





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Fax: +43-2236-21081  
E-mail: [workshops@isis-papyrus.com](mailto:workshops@isis-papyrus.com)

#### **AUSTRIA (German)**

**€ 2100**

Feb./March	26-2
April	23-27
September	17-21
November	5-9

#### **AUSTRIA (English)**

**€ 2100**

Jan./Feb.	29-2
April	9-13
August	27-31
November	12-16

#### **USA (English)**

**USD 2400**

March	12-16
September	10-14

#### **SINGAPORE (English)**

**USD 2400**

April	23-27
September	24-28

# Papyrus Objects System Administrator Workshop

*Administration of the Papyrus Objects Platform for business processes and application analysis*

Duration: 5 days  
Time: Mo 11–17, Tu–Th 9–17, Fr 9–15

## Participants:

- System administrators
- Solution architects
- Project managers

## Prerequisites:

- General understanding of IT principles and concepts
- Object-oriented modeling principles

## Content:

### Basics:

- Papyrus WebRepository administration concepts
- User authorization through Role and Policy
- Data interfaces and workflow processes
- Design and administration

### System configuration and administration:

- System architecture and typical solution setups
- Installing the Domain Controller
- Installing and configuring the IPAS
- Client node creation
- User creation and authorization concepts
- Role, Privilege and Policy definition
- Central settings and Settings Explorer
- Configuring frameworks by settings
- Scalability, load balancing and reliability
- Definition of backup procedures
- Preparing for production with checklist
- Creating Papyrus Query Language (PQL) scripts for automating administrative tasks

### System analysis and monitoring:

- Analysis with Application Analyzer (APA)
- Configuration of the "APANet" component
- Using PCS monitor and kernel traces
- Performance and bandwidth considerations
- Tuning of applications

## Goals:

- Command of the Papyrus Objects administrative tasks
- Create applications from existing frameworks and run production

### Papyrus Frameworks:

- Understanding the use of Templates
- Understanding basic concepts: Task, Tool, Material
- Task structures in the various frameworks
- Modular framework components
- Usage of Activity Recorder/Player
- Import and export of frameworks
- Configuration of auditing

### Change Management:

- Versioning and variants
- The administration process
- Use of Private/Public Development Framework

### Task Management:

- Job administration
- Setting up queues and tools
- Configuration of Adapters/Receivers
- Using Agent rules
- Setup of a high-availability system
- Configuration of proxy management

### Papyrus Query Language (PQL):

- Learn about PQL as query language
- Basic syntax, usage of functions
- Components making use of PQL in Papyrus Objects

### Papyrus Desktop:

- Usage of standard views`
- Use standard plugins



# Papyrus Business Correspondence Solution Workshop

*Configuration of Papyrus business correspondence solutions*

Duration: 2 Parts (3 + 2 days). Part I for business users and  
Part I+II for system administrators and solution developers  
Time: Mo 11–17, Tu–Th 9–17, Fr 9–15

## Participants:

- Business users responsible for document template administration, release and test management, letter writing (Part I)
- System administrators (Part I+II)
- Solution developers (Part I+II)

## Prerequisites:

Part I - Business aspects: domain-specific knowledge about business correspondence

Part II - System administration and extension aspects:

- Object-orientation
- Papyrus Objects System
- Administrator Workshop
- Papyrus Document Design and
- Formatting Workshop

## Content:

### Part I:

#### Document administration:

- Document administration using the Papyrus business user interfaces
- Creation of building blocks and document templates
- Definition of Wizards using form design components
- Flexible composition of documents using Papyrus Wizards
- Change and Release Management workflow

#### Letter writing:

- Interactive letter writing by means of the Papyrus business user interfaces
- Usage of predefined document templates for letter writing
- Usage of Wizard for individual letter writing with predefined components
- Inter-department letter exchange: Sticker functionality

## Goals:

- Part I: Conceptual understanding and usage of the Papyrus Correspondence Solution
- Part II: Ability to install, administrate and customize Papyrus Correspondence Solution in order to implement individual Enterprise Business Correspondence applications

### Part II:

#### System administration:

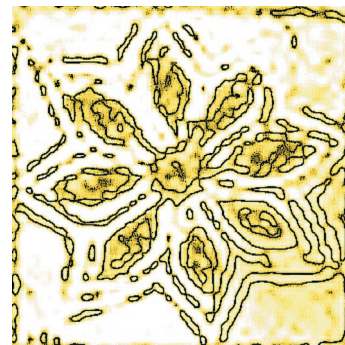
- Infrastructure consideration: technical and functional requirements
- Papyrus Node architecture
- System setup by means of ready-to-use framework templates
- System configuration using settings
- User creation and configuration
- User Interface administration
- Process monitoring, tracking, auditing, report generation
- Definition of Tenant, Variables, etc.

#### System extension:

- Functional enhancements: implementation of new building blocks
- Align DOCDEF code with new formatting requirements
- Create individual data reading routines

#### Business integration:

- Coupling of business data with correspondence applications by means of Adapters and Type Managers (XML Adapter)
- Graphical User Interface Integration options with Papyrus WebPortal: Papyrus Desktop/EYE Widgets or Papyrus Desktop/HTML



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E-mail: [workshops@isis-papyrus.com](mailto:workshops@isis-papyrus.com)

### AUSTRIA (German) \*

February	19-23
April	16-20
September	24-28
December	3-7

### AUSTRIA (English) \*

January	22-26
April	23-27
September	10-14
November	26-30

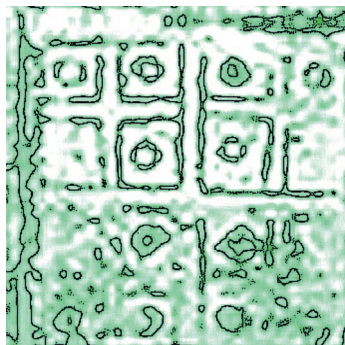
### USA (English) \*

March	19-23
September	17-21

### SINGAPORE (English) \*

May	21-25
October	1-5

\* The workshop covers 2 parts which can be booked at the following pricing:  
Part I: € 1500/USD 1700  
Part I+II: € 2100/USD 2400



All ISIS Papyrus courses are also offered as In-house Workshops (see page 15).

ISIS Papyrus offers optional single-room hotel accommodation for classroom courses for approximately USD 100 / € 90 per night. More information on available hotels can be found online: [www.isis-papyrus.com/hotel](http://www.isis-papyrus.com/hotel)

Other services such as meals can be taken in the nearby restaurants and are not included in the course fee.

To book a classroom course, a seminar or an in-house workshop please register online: [www.isis-papyrus.com/training](http://www.isis-papyrus.com/training)

For further questions, please contact us:

Phone: +43-2236-27551-0

Fax: +43-2236-21081

E-mail: [workshops@isis-papyrus.com](mailto:workshops@isis-papyrus.com)

#### **AUSTRIA (German)**

**€ 2100**

March	19-23
November	19-23

#### **AUSTRIA (English)**

**€ 2100**

April	16-20
November	5-9

#### **USA (English)**

**USD 2400**

March	5-9
October	1-5

#### **SINGAPORE (English)**

**USD 2400**

Date on request

# Papyrus Output Management Workshop

*Using Document Pool for bundling, distribution and sorting  
Using ADF and Print & e-Delivery to different output channels and printer hardware  
Using WebArchive for archiving and Internet delivery*

Duration: 5 days

Time: Mo 11-17, Tu-Th 9-17, Fr 9-15

## Participants:

- Application developers
- Application analysts

## Prerequisites:

- Papyrus Document Design and Formatting Workshop
- Papyrus Objects System Administrator Workshop

## Content:

### **System introduction:**

- Papyrus system architecture
- Bundling options
- Distribution options
- Intranet options

### **Platform possibilities:**

- Papyrus Document Pool for bundling and output channel selection
- Setup of Papyrus Document Pool using Papyrus WebRepository Depot or external databases
- Receiving output from back office applications using Papyrus Adapters

### **Bundling techniques:**

- Pre- versus post-bundling of documents
- Definition of document indices
- Defining bundling algorithms in Papyrus Designer
- Conditional bundling
- Print or distribution controls
- Reprinting options
- Using third-party AFPs with Papyrus Postprocessing

### **Distribution techniques:**

- Process-driven vs. user-driven
- Configuring your own distribution parameters
- Writing your own procedures

### **Papyrus WebRepository options:**

- Document Pool using the Papyrus Depot for print bundling and output channel selection
- Database interfaces

### **Planning for the installation:**

- Choosing the right platform
- Estimate disk space requirements
- Estimate process times
- Migration options

### **Viewing of an AFP document:**

- Use Papyrus Client AFP Viewer for tests
- Print to local PC and LAN printers
- Verify application print resources
- PDF viewing
- Postprocessing of generated AFPs

## Goals:

- Complete understanding of the Papyrus output management capabilities
- Understanding of postal optimizing, bundling, output channel configuration and archiving

### **Network printing options:**

- Printing documents to IPDS
- Printing documents to PCL and PS
- Printing documents to PC printers

### **Papyrus ADF and Print & e-Delivery Solution:**

- Settings configuration
- Managing jobs, queues and output channels
- Resource management
- User authorization
- Using and configuring Adapters
- Managing printers in the network
- Taking over output channel information from the input data (PED)
- Defining PED-based bundling without extensive programming knowledge
- Converting document content into e-mail body text
- Creating dynamically personalized e-mails based on a template design, and attaching a document in PDF format
- Configuration of integrated reporting
- Configuration and administration of multi-channel output

### **Papyrus document archiving and delivery:**

- Archive formats (AFPDS, PDF/A, ...)
- Defining a document index
- Storage media options
- Integration with other archives
- Short- and long-term archiving
- Receiving output to the archive
- Document viewing options
- WebPortal Setup
- Creating a distributed Depot with automatic partition management
- Ensure immutability of objects in the archive
- Time-triggered execution of the archiving procedure

### **Campaign management options:**

- White space detection for optimized message placing
- Configure Papyrus AFP Tuner
- Adding OMR/barcodes with document-specific information
- Writing back status information into the Depot



# Papyrus Objects Developer Workshop

*Developing object-oriented business applications  
in conjunction with the Papyrus WebRepository*

Duration: 5 days

Time: Mo 11–17, Tu–Th 9–17, Fr 9–15

## Participants:

- Application developers
- Application analysts

## Prerequisites:

- Programming knowledge in object orientation
- Understanding of XML
- Papyrus Objects System Administrator Workshop

## Content:

### Basics about Papyrus WebRepository:

- Objects concept and architecture
- Class definition
- Version control
- Change management

### Application design:

- UML design basics
- Defining practical class models
- Process assembly using state machines

### Application development:

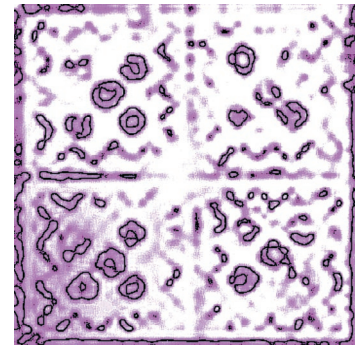
- Class editor
- Template editor
- Tool/Material concept and definition
- Queue concept and definition
- State machine concept and definition
- Customizing tasks
- Using and configuring agents
- Adapter messaging and syntax
- Agent Rules
- Setting up accounting and auditing

### Application settings:

- Creating new settings and scope classes
- Retrieving settings for framework components

## Goals:

- Understanding of object-oriented modeling in Papyrus Objects: class and template definitions, principles of Papyrus Query Language and Papyrus Adapter techniques



All ISIS Papyrus courses are also offered as In-house Workshops (see page 15).

ISIS Papyrus offers optional single-room hotel accommodation for classroom courses for approximately USD 100 / € 90 per night. More information on available hotels can be found online: [www.isis-papyrus.com/hotel](http://www.isis-papyrus.com/hotel)

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E-mail: [workshops@isis-papyrus.com](mailto:workshops@isis-papyrus.com)

### **AUSTRIA (German)**

**€ 2100**

Feb./March	26-2
October	8-12

### **AUSTRIA (English)**

**€ 2100**

March	5-9
September	17-21

### **USA (English)**

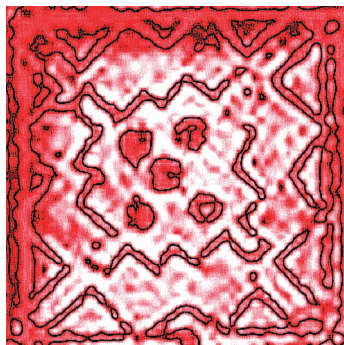
**USD 2400**

May	7-11
October	15-19

### **SINGAPORE (English)**

**USD 2400**

Date on request



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E-mail: [workshops@isis-papyrus.com](mailto:workshops@isis-papyrus.com)

**AUSTRIA (German)**  
**€ 1000/€ 1500\***  
April 9-13  
November 26-30

**AUSTRIA (English)**  
**€ 1000/€ 1500\***  
March 5-9  
November 12-16

**USA (English)**  
**USD 1200/USD 1700\***  
Date on request

**SINGAPORE (English)**  
**USD 1200/USD 1700\***  
Date on request

\* **Modules can be booked separately. Pricing:**  
Module 1: € 1000/ USD 1200  
Module 2: € 1500/ USD 1700

# Papyrus Experts Workshop

*Development of enhanced document and workflow applications  
using Papyrus WebRepository*

Duration: 2 Modules (2+3 days), which can also be attended separately  
Time: Mo 11-17, Tu-Th 9-17, Fr 9-15

## Participants:

- Application developers
- Application analysts

## Prerequisites:

### For both Modules:

- Papyrus Document Design and Formatting Workshop

### For Module 2:

- Papyrus Objects Developer Workshop

## Goals:

- Working on complex document requirements using extended Papyrus
- Designer and DocEXEC features and functions
- Accessing object definitions in the Papyrus WebRepository directly from DocEXEC
- Extended use of the Papyrus Query Language (PQL) as script language of the WebRepository
- Application analysis with Papyrus APA

## Content:

### Module 1 (M1E)

#### Papyrus Designer Advanced Lessons (2 days, Mo-Tu)

##### Designing a complex data application:

- Reading of multiple input files (RECORD, XMLREAD, READLINE)
- Tagged data formats like HTML
- COBOL copy book data
- EDIFACT data
- Xerox DJDE data
- Structured variable arrays
- Advanced page break handling
- Barcodes (2D, QR)
- Conditional data processing
- White space management by DOCDEF applications

##### Migration of DCF, IPDT or ASF:

- Reading DCF tagged input data

##### SAP applications:

- Data interfaces (OTF and RDI)
- Enhancement of the SAP layout

##### Interactive document applications:

- AFP Designer: Creation of a FormsFill application
- Papyrus Designer/Papyrus Client: Creation of a Prompting application
- Interactive PDF Form applications

##### Tuning and debugging:

- Using the Papyrus Designer Debugger
- Performance tuning with timings profiler
- Image and color options

### Module 2 (M2E)

#### Papyrus Objects Advanced Lessons (3 days, We-Fr)

##### Accessing the WebRepository from DOCDEF:

- Querying the Object Space
- Instantiating objects
- Setting up tasks to run DocEXEC in Papyrus Objects
- Transaction handling

##### Papyrus Query Language (PQL):

- Advanced lessons on PQL as script language
- PQL concepts and guidelines like system attributes, PQL sets, variables, operators, selectors and navigation
- Calling methods, date/time functions
- Call nested PQLs
- Efficient search definitions
- Parallel search in distributed Depots
- Explicit transaction handling
- Rollback handling with/without sub-transactions

##### Batch application:

- Receive many small XML input files for document formatting
- Bundle them in a Depot for processing as single batch input for DocEXEC formatting by a scheduled action

##### HTTP Interface to 3rd party systems:

- Synchronous HTTP Client calls
- Use of transient objects
- Web services with SOAP adapter



# Papyrus Capture Solution Workshop

*Design and administration of Papyrus Capture Applications in Papyrus Objects*

Duration:

Module 1 (M1C) – Papyrus Capture Solution Workshop  
5 Days Mo–Fr Mo 11–17, Tu–Th 9–17, Fr 9–15

Module 2 (M2C) – Papyrus Capture Designer FixForm  
2 Days Mo–Tu Mo 11–17, Tu 9–17

Module 3 (M3C) – Papyrus Capture Designer FreeForm®  
2 Days We–Th We 9–17, Th 9–17

## Participants:

- System administrators
- Capture designers
- Project managers

## Prerequisites:

- Basic knowledge of requirements of document Capture
- Papyrus Objects System Administrator Workshop
- Papyrus Objects Developer Workshop (recommended)

## Goals:

- Introduction to the user interface of Papyrus Capture and Capture Designer
- Design classification and extraction definitions
- Install, operate, and maintain a project within Papyrus WebRepository

## Content:

The Papyrus Capture Solution Workshop (Module 1) and the two other Modules (M2C, M3C) can be booked individually. Content and focus of the Modules can be adapted to meet individual customer requirements.

### Module 1 (M1C)

#### **Papyrus Capture Solution Workshop (5 days, Mo–Fr):**

The Papyrus Capture Solution Workshop includes a classroom presentation as well as the design of practical, real-life sample applications.

- Introduction to Papyrus Capture basics
- Papyrus Capture family of products
- Papyrus Capture document administration
- Setup of Capture Base Process with Papyrus Capture Framework:
  - Import of images with Scan, XML and File Adapters
  - Classification of capture documents
  - Extraction of data items including extraction of tables
  - Rule-based validation of documents
  - Manual verification of documents
  - Export of documents and extraction data items
- Setup of verification clients (thin clients) based on Papyrus EYE Widgets
- Use of Papyrus Depot for validation data and Capture documents
- Batch processing of Capture documents
- Operate the system by means of client workplaces

### Module 2 (M2C)

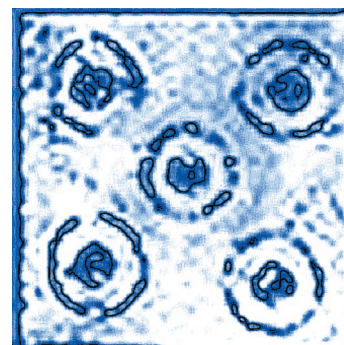
#### **Papyrus Capture Designer FixForm (2 days, Mo–Tu)**

- OCR/ICR basics and settings
- OCR/ICR post-processing
- Aspects of optimal forms and document layout
- Definition of document categories
- Handling of color and gray-level images, proper anchor usage
- Optimal structure of extraction definitions
- Relative and absolute extraction

### Module 3 (M3C)

#### **Papyrus Capture Designer FreeForm® (2 days, We–Th)**

- OCR/ICR basics and settings
- OCR/ICR post-processing
- Generic and layout based definitions
- Patterns – anchors – conditions
- FreeForm® Definition Set for multilingual invoices
- Validation using databases
- Statistical evaluation of document processing



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E-mail: [workshops@isis-papyrus.com](mailto:workshops@isis-papyrus.com)

#### **AUSTRIA (German)**

##### **Module 1: € 2100**

March	19-23
June	11-15
October	8-12

#### **AUSTRIA (English)**

##### **Module 1: € 2100**

February	12-16
June	18-22
November	19-23

#### **USA (English)**

##### **Module 1: USD 2400**

Date on request

#### **SINGAPORE (English)**

##### **Module 1: USD 2400**

Date on request

#### **Additional Modules Pricing:**

Mod. 2 - Designer FixForm  
€ 1000/USD 1200

Mod. 3 - Designer FreeForm®  
€ 1000/USD 1200  
Date on request

[www.isis-papyrus.com/certification](http://www.isis-papyrus.com/certification)

#### Application and Fees:

Choose one of the dates below and contact ISIS Papyrus for your personal training plan to gain the required knowledge. The application fee for each certification is € 600/ USD 800.

Certifications can also be held on demand at any ISIS Papyrus location offering trainings or at customer site, provided appropriate facilities are available. Please contact ISIS Papyrus Marketing for arranging additional appointments.

#### Certification Maintenance Requirements:

Due to the dynamic environment in which individuals are certified as Papyrus Professionals, it is imperative for them to remain current with the enhancements and extensions of the Papyrus Platform. Therefore each certified Papyrus Professional is required to **be recertified every 3 years**.

Prerequisite for the certification renewal is the attendance of the 'Papyrus Upgrade Workshop'. Thereafter, re-certification can be achieved at any certification date which will renew all certification levels acquired until that date by the applicant.

An additional certification level can be acquired only as long as a person is certified (within the 3 years). Otherwise the general re-certification need has to be first fulfilled. If successfully passed it authorizes the applicant to apply for higher levels.

Duration: 1 day  
Time: 9-17

#### AUSTRIA € 600/USD 800

February	16
June	22
December	7

## Papyrus Certified Professional Program

Service companies and individuals around the world have approached us to provide services to customers using the Papyrus Document System. To ensure that these professionals provide a high level of expertise, we have established the Papyrus Certification Program.

The mission of this program is to develop and maintain the standards of professionalism using the Papyrus Platform.

#### Eligibility:

To be accepted into one of the Papyrus Certification Programs, you must meet the following eligibility requirements:

### Level I: Certified Papyrus Application Developer

#### Prerequisites:

- Understanding of AFPDS and AFP-Triplets, PPFA (OGL, PAGEDEF/ FORMDEF), page segments/images, AFP-fonts, resolutions and codepages
- Reading of different input data formats (linemode, ASCII/EBCDIC, DJDE, SAP, XML, etc.)
- Complex dynamic DOCDEF document application design, charts, tables, text formatting, logic definitions, consolidated document development
- Basics of Papyrus Correspondence System: Building block definitions, document assembly, custom DOCDEF extensions
- Papyrus Client AFP viewing, prompting applications, text editor

#### ISIS Papyrus Standard Courses:

- Papyrus Document Design and Formatting Workshop (mandatory)
- Papyrus Business Correspondence Solution Workshop (mandatory)

### Level III: Certified Papyrus Capture Developer

#### Prerequisites:

- Certified Papyrus Systems Engineer
- Understanding scanning and imaging technologies (formats like TIFF, JPG, BMP; quality criteria, OCR/ICR)
- Complex variable inbound document analysis and capture strategy definition using Papyrus WebRepository
- Design of classification and extraction processes
- Document Workplace
- Skills in implementation of typical Capture Rules and validations

#### ISIS Papyrus Standard Courses:

- Papyrus Capture Solution Workshop including optional modules (mandatory)
- Papyrus Objects Developer Workshop (recommended)

### Level II: Certified Papyrus Systems Engineer

#### Prerequisites:

- Certified Papyrus Application Developer with a minimum of 1 year Papyrus experience in the field
- Presenting two productive DOCDEF applications to the Certification Commission
- Papyrus Objects planning, design and configuration experience for end-to-end print management solutions
- Central and remote printing (IPDS, PCL, Postscript, ...) and distribution
- Printpool/Documentpool installation and basics of administration knowledge (SQL, PQL)
- Experience with Papyrus Output Management projects (bundling, distribution, postal optimizations)
- Archiving and output distribution using Papyrus Solutions

#### ISIS Papyrus Standard Courses:

- Papyrus Output Management Workshop (mandatory)
- Papyrus Objects System Administrator Workshop (recommended)

### Level IV: Certified Papyrus Systems Consultant

#### Prerequisites:

- Certified Papyrus Application Developer
- Certified Papyrus Systems Engineer
- Certified Papyrus Capture Developer
- Minimum of 2 years Papyrus experience confirmed by 3 reference customers
- Presenting the reference installations as slide shows to the Certification Commission
- Competence in understanding and defining the requirements for a corporate document and business process system
- Presentation of the Papyrus Platform with a slide show to the Certification Commission
- Application development using Papyrus WebRepository

#### ISIS Papyrus Standard Courses:

- Papyrus Objects Developer Workshop (mandatory)
- Papyrus Experts Workshop/Module 1&2 (mandatory)



## On-site Training

- You have a larger group of people in your company who need to be trained on the same subject.
- You need a very special application to be developed with the Papyrus Platform.
- You need the workshop to focus on your special questions and requirements.
- You should book an on-site workshop!

### Our Services:

- Course planning and support by defining the course content
- Qualified trainers
- Training material with samples
- Course Guides (electronic on DVD)

### Your Benefits:

- Course content tailored to your requirements
- Discussing special project requirements
- Developing your own document applications
- More time for specific questions
- No travel cost for attendees

If you do not have access to a training room with the necessary hardware and software, we can offer the workshop in one of our training centers in Vienna, Dallas or Singapore.

Please find your ISIS Papyrus contact for course organization at the various ISIS Papyrus locations on page 3.

## Registration

To register for a course, simply return the fax form attached with your details and signature or complete the online registration at [www.isis-papyrus.com/training](http://www.isis-papyrus.com/training).

You will receive a written confirmation with the accurate course information, a map to find the course location and a

choice of hotels nearby. We are happy to book the hotel reservation for you if required.

More information on available hotels can be found online: [www.isis-papyrus.com/hotel](http://www.isis-papyrus.com/hotel)

**Cancellation** of the course is free of charge up to two weeks before the course date. After that, the full fee for the course applies.

We would like to point out that workshops might be postponed due to low registration and recommend taking this into account when arranging your flight schedule. Please note that all our prices are quoted net and do not include local taxes.

**Course guides** (DVD or download) are included in the price.

All prices are excluding tax. Terms and conditions for ISIS Papyrus Services apply.

## ISIS Papyrus Open House and User Conference

The best way to get the latest insights into the world of Papyrus is to attend one of the ISIS Papyrus Open House events. The direct access to top technical and business personnel, ISIS Papyrus

corporate leadership and fellow Papyrus users will yield a growing return on your investment as you make more informed decisions for your company's IT future.

**Austria/Vienna**

**United States/Southlake, TX**

**UK/Kingsclere**

**Italy/Ivrea**



## ISIS Papyrus Strategy and User Conference

Every year, we take an elite group of ISIS Papyrus experts on tour to bring the opportunity of a hands-on experience with the latest Papyrus innovations and solutions to a location near you.

Take advantage of a wealth of information for addressing your most puzzling challenges, and learn first-hand about current and future developments of the Papyrus Platform.

**Paris**

**Brussels**

**Stockholm**

**Copenhagen**

**Cologne**

**Frankfurt/Main**

**Zurich**

**Singapore**

**Beijing**

**Shanghai**

**Taipei**

**Hong Kong**





## A 10x10 grid of 100 hand-drawn tiles. The tiles are arranged in a grid, with some tiles featuring solid colors (yellow, blue, green, red, pink) and others being black and white. The patterns include stars, zig-zags, circles, and abstract shapes. The tiles are arranged in a grid, with some tiles featuring solid colors (yellow, blue, green, red, pink) and others being black and white. The patterns include stars, zig-zags, circles, and abstract shapes.