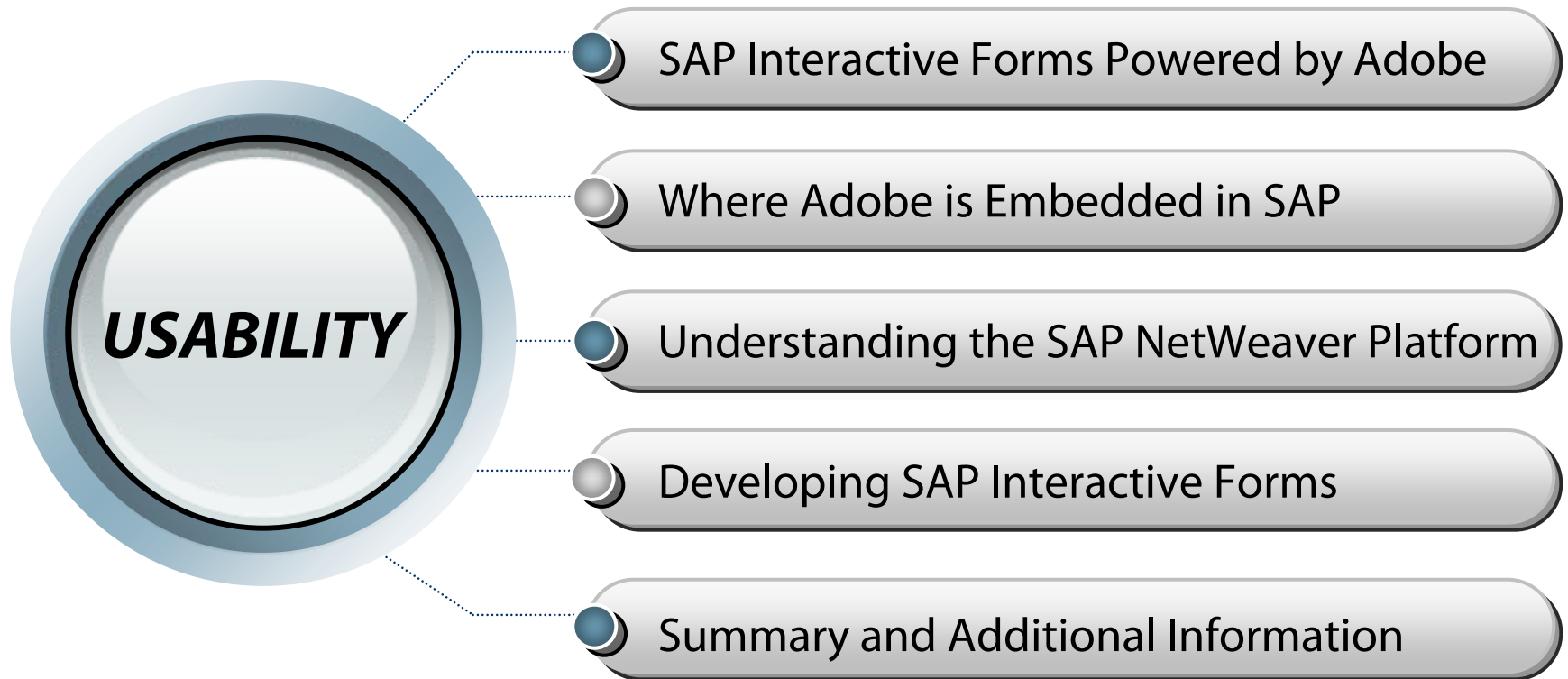


# SAP Interactive Forms by Adobe – Raising the Bar for Usability



# Raising the Bar for Usability



# Challenges in Forms-Based Processes

- Paper-based form processes have limitations.
  - Error-prone and easily outdated
  - Manual data re-entry
  - Process status is hard to track
  - High costs (e.g. production, storage)
  - \$30 million per year for a global organization\*
- Casual users (including executives) are typically unfamiliar with enterprise software.
  - Access to enterprise applications needs to be intuitive.
- External users (suppliers, etc.) are disconnected from the process.
  - System-relevant data capture is cumbersome (fax, postal mail, email).



# Interactive PDF – The End User's View

## Familiar paper view

- Self-explanatory
- Natural look and feel
- Preserves branding
- Increase completion rate

## Easy to Use

- Local save
- Distribute via email / Portal
- Apply digital signature
- Print locally

## Adobe Reader

- Already installed
- Easy to use

## Background Services

- Structured data in XML
- Pre-filled application values
- Pre-filled list boxes, help values...
- Automatic data extraction and integration in application

Adobe Reader - [Inventory Requisition.pdf]

File Edit View Document Tools Window Help

You cannot save data typed into this form.  
Please print your completed form if you would like a copy for your records.

Print Form Highlight

GlobalCorp  
development & engineering

Current Date: 05.08.2005  
Req. Number: 53503

**Inventory Requisition**

Ordered By: Cust. Number: 123456  
Name: Advanced Components  
Address: 123 New Haven Ave.  
City, State: Chicago, IL  
ZIP: 60622  
c/o: Mr. Kel Varsen  
E-mail: kvarsen@AdvComp.com

Ship To: Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State: \_\_\_\_\_  
ZIP: \_\_\_\_\_  
c/o: \_\_\_\_\_  
E-mail: \_\_\_\_\_

Part No.	Description	Quantity	In Stock	Unit Price	Amount
			?		

Terms and Conditions

☐ Cash  
☐ Credit

Total

☐ State Tax @ 0.00% €0,00  
☐ Federal Tax @ 0.00% €0,00  
☐ Shipping Charge  
**Grand Total** €0,00

Add Comments

Authorized By: \_\_\_\_\_

GlobalCorp \* 123 Any Ave \* Any Town \* Any Country \* Phone: 111.222.3333 Fax: 111.222.4444 \* www.GlobalCorp.com  
Any reference to company names and company logos in the sample forms included in this software is for demonstration purposes only and  
to refer to any actual organization.

1 of 2



# SAP is Focusing on User Productivity and Usability

Duet™



xApps®



Mobile



Desktop (Rich Client)

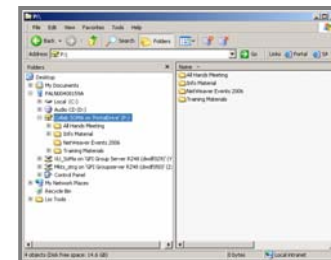
Project Muse



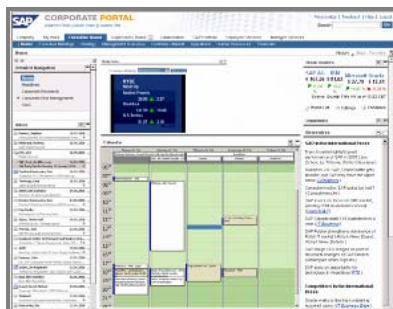
Syndication



Desktop Apps



Browser (Portal)



Interactive Forms



# Sap & Adobe

**Adobe is delivering Sap core technologies on usability to improve user experience for high demanding customers and (internal) clients**

## Reselling relationship

- Sap Interactive Forms – reselling Adobe's Lifecycle product
- Sap Learning Solution – reselling Adobe's Connect Product



Largest software footprint in governments worldwide

## OEM Relationship

- Visual Composer – embedded with Adobe's Flex/Flash technology

## Joint Go to Market

- Adobe has 10 FTE's in EMEA on Sap
  - 5 FTE's Sales, 3 Pre-Sales, 1 Product Manag, 1 Partner Sales)
- Adobe's positioning > Oracle, Microsoft, Webex

# What is an *SAP Interactive Form*?

SAP Interactive Forms are the result of a three-year long co-development effort between Adobe and SAP. It enables the entire value chain to conduct SAP transactions.



- Delivers an end-to-end form processing solution
  - Extends any business process to the supply or demand chain
  - Enhances business insight through more accurate & timely data capture
- Captures data from users while they are disconnected
  - Flows data into the SAP application once reconnected
  - Empowers users to drive SAP transactions in the field, on the shop floor and in customer offices
- Eliminates paper forms processing costs
  - Ensures rapid end-user adoption through familiar interfaces
  - Eliminates costs and errors introduced by re-keying



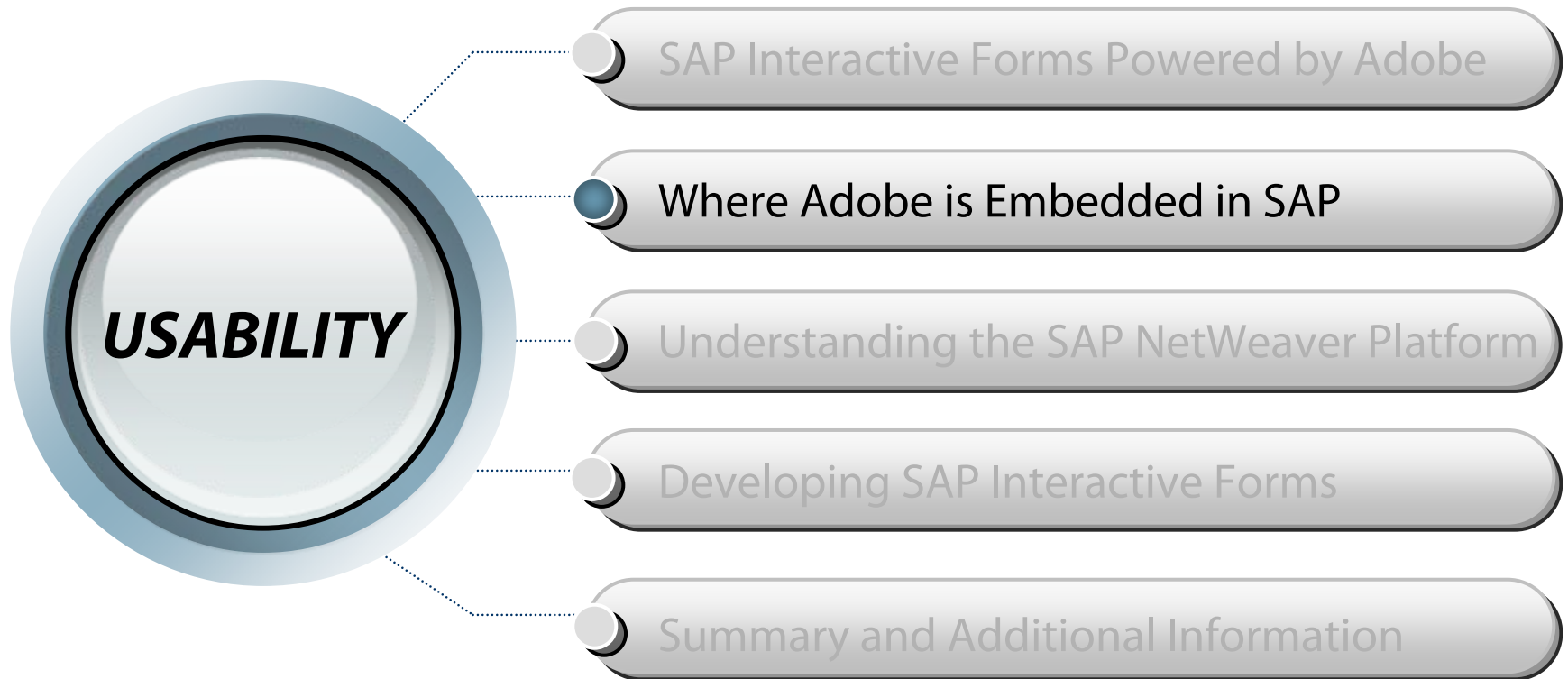
# SAP Interactive Forms by Adobe

## Key Capabilities

- 1 Integrate interactive PDF documents into business processes driven by SAP applications
- 2 Generate forms that contain data extracted from SAP systems
- 3 Use dynamic or static forms
- 4 Complete forms online or offline
- 5 Submit data from the form back to SAP systems
- 6 Allow forms-based input combined with workflow to start automated follow-up steps
- 7 Allow users to print forms



# Raising the Bar for Usability



# Standard SAP Interactive Forms in SAP HCM

## Hire

Request Requisition  
Candidate Assessment  
New Worker  
Request Equipment  
Purchase Authorization  
Request Office space  
Request Information Services

## Manage

Performance Appraisal  
Change Employee  
Change Personnel Area  
Request Promotion  
Request Special Payment  
Change Position  
Position Change  
Request Transfer  
Request Maternity Leave

## Retire

Exit Interview Checklist  
Termination Statement  
Exit Comment Sheet  
HIPAA Certification  
LTD Conversion Application  
Life Insurance Portability  
Notice of Separation  
Employee Notification Letter  
Release of Claims



**SAP NetWeaver**

**mySAP ERP**

**HCM**

**Financials**

**Operations**

**Corporate Services**

# ESS: Life and Work Events Example

The screenshot displays the SAP Employee Self-Service (ESS) interface for a user named Thomas Scott. The main navigation bar includes links for Home, Employee Self-Service, Learning Solution, Overview, Employee Search, Working Time, Benefits and Payment, Personal Information, Career and Job, Purchasing, Life and Work Events, and Travel & Expenses. The 'Life and Work Events' section is active, showing a 'Termination' process roadmap with three steps: 1. Edit, 2. Check and Send, and 3. Completed. The 'Attachment Type' is set to 'Notice Letter of Employee', and the 'File Name' is 'C:\Documents and Settings\Thomas Scott\My Documents\Notice Letter of Employee.pdf'. The 'Reason for Termination' dropdown menu is open, showing options: Career Opportunities, Dismissal, Health Reasons, and Retirement. The 'Information to the HR Administrator' section contains a text area for 'Previous Comments' and a 'New Comments' field. The 'Drop-down Lists of Values' annotation points to the 'Reason for Termination' dropdown menu.

**Process Roadmap**

**File Upload**

**SAP Interactive Form by Adobe**

**Drop-down Lists of Values**

# ESS: Life and Work Events Example

The screenshot shows a web browser window displaying an SAP ESS 'Termination' form. The form is titled 'Termination' and includes a 'PC4YOU' logo. It is divided into several sections: 'Should be completed by the Employee', 'Information to the Manager', and 'Information to the HR Administrator'. The 'Should be completed by the Employee' section contains fields for Employee Name, Personnel Number, Personnel Area, Position, Date for Termination, and Reason for Termination. The 'Information to the Manager' section contains a text area for 'New Comments'. The 'Information to the HR Administrator' section contains a text area for 'Previous Comments'. The form is annotated with two orange boxes and lines pointing to callouts. One box highlights the 'New Comments' text area, with a callout that says 'Enter Free Text Information'. The other box highlights the 'Save Draft', 'Check and Send', and 'Close' buttons at the bottom, with a callout that says 'Navigation Buttons'.

**Termination**

**Should be completed by the Employee**

Please select the Termination Date and the Reason for Termination.  
Please include your resignation letter as an attachment in the link above.

Employee Name: Mr. Thomas Scott Personnel Number: 00300226  
Personnel Area: Philadelphia Position: Sales Representative  
Date for Termination: February 24, 2007  
Reason for Termination: Career Opportunities Refresh Data

**Information to the Manager**

Please revise the data entered by the employee. If you have special remarks to the HR Administrator enter them under New Comments at the bottom of the form.

**Information to the HR Administrator**

Once you click Send the employee will be set on status inactive on the effective date above and their position will be deleted. The following data is automatically deleted by the process on the termination date: IT0034 (Recurring Payments/Deductions), IT0267 (Health Plans), IT0368 (Insurance Plans), IT0469 (Savings Plans), IT170 (Flexible Spending Accounts), IT0377 (Miscellaneous Plans)

Previous Comments

New Comments  
My wife had our second child last May and my travel schedule has prohibited me from spending as much time at home as I would like. I have chosen to take an opportunity that will allow me to spend more time at home with my family.

Save Draft Check and Send Close

Enter Free Text  
Information

Navigation Buttons

# MSS: Process Termination Request

The screenshot displays the SAP Portal Manager Self-Service interface. The 'Worklist' section is highlighted with an orange border and contains a table of tasks. The task 'Mr. Thomas Scott: Termination Request (MGR) - Manager Information' is highlighted in yellow. An orange arrow points from this task to a text box at the bottom left.

**Worklist Table:**

Subject	From	Sent	Priority	Due	Status
Mr. Chris Nelson: Leave Request	Nelson, Chris	February 04, 2007	Normal	1	New
Mr. Peter Johnson: Leave Request	Workflow system	Today	Normal	1	New
Mr. Thomas Scott: Termination Request (MGR) - Manager Information	Workflow system	Today	Normal	1	New
Lorna Francis: Request for Company Car	Francis, Lorna	February 03, 2007	Normal	1	New
John Sullivan: Promotion Request	Sullivan, John	February 01, 2007	Normal	1	In Progress
Hague Purni: Change Employee Name	Purni, Hague	January 31, 2007	Normal	1	In Progress
Caroline Smith: Leave Request	Smith, Caroline	January 28, 2007	Normal	1	In Progress
Anne Smith: Annual Budget 2008	Smith, Anne	January 27, 2007	Normal	1	In Progress
Anne Smith: Monthly Forecast March 2007	Smith, Anne	January 25, 2007	Normal	1	In Progress
Anne Smith: Compensation Planning	Smith, Anne	January 24, 2007	Normal	1	In Progress
Anne Smith: Headcount Planning	Smith, Anne	January 24, 2007	Normal	1	In Progress
John Sullivan: Leave Request	Sullivan, John	January 23, 2007	Normal	1	In Progress
Lorna Francis: Leave Request	Francis, Lorna	January 22, 2007	Normal	1	In Progress

**Reminders of Dates Table:**

Date	Event	Name
02/08/2007	Birthday	Lorna Francis
02/28/2007	Service Anniversary	Caroline Smith
03/15/2007	Birthday	John Sullivan
03/24/2007	Birthday	Peter Johnson

**Attendance Overview Table:**

Employees	Number	%
At work	3	60
Temporarily absent	1	20
Absent	1	20

**Text Box:**

Manager notified of Termination Request via Universal Worklist inside the SAP Portal

# MSS: Process Termination Request

Welcome Jane Miller

PC4YOU

Home Employee Self-Service Manager Self-Service Sales Analytics Company Info E-Mail

Overview Employee Search Working Time Benefits and Payment Personal Information Career and Job Purchasing Life and Work Events Travel & Expenses

Termination

1 Edit 2 Check and Send 3 Completed

Show Processors Involved Show LPA List

☒ Notice Letter of Employee

Add Attachment Delete Attachment

**Termination**

Should be completed by the Employee

Please select the Termination Date and the Reason for Termination.  
Please include your resignation letter as an attachment in the link above.

Employee Name Mr. Thomas Scott Personnel Number 00100226

Personnel Area Philadelphia Position Sales Representative

Date for Termination February 24, 2007

Reason for Termination Career Opportunities Refresh Data

**Information to the Manager**

Please revise the data entered by the employee. If you have special remarks to the HR Administrator enter them under New Comments at the bottom of the form.

**Information to the HR Administrator**

Once you click Send the employee will be set on status inactive on the effective date above and their position will be deleted.  
The following data is automatically deleted by the process on the termination date: IT0014 (Recurring Payments/Deductions), IT0167 (Health Plans), IT0368 (Insurance Plans), IT0369 (Savings Plans), IT170 (Flexible Spending Accounts), IT0377 (Miscellaneous Plans)

Previous Comments

My wife had our second child last May and my work travel schedule has prevented me from spending the amount of time that I would prefer. I have decided to take an opportunity local to Atlanta. February 24th is my requested last day.

New Comments

Data from Employee is sent to Manager inside SAP Interactive Form



# MSS: Process Termination Request

**Termination**

**Should be completed by the Employee**

Please select the Termination Date and the Reason for Termination.  
Please include your resignation letter as an attachment in the link above.

Employee Name: Mr. Thomas Scott      Personnel Number: 00100226  
Personnel Area: Philadelphia      Position: Sales Representative  
Date for Termination: February 24, 2007  
Reason for Termination: Career Opportunities      Refresh Data

**Information to the Manager**

Please revise the data entered by the employee. If you have special remarks to the HR Administrator enter them under New Comments at the bottom of the form.

**Information to the HR Administrator**

Once you click Send the employee will be set on status inactive on the effective date above and their position will be deleted. The following data is automatically deleted by the process on the termination date: IT0014 (Recurring Payments/Deductions), IT0267 (Health Plans), IT0368 (Insurance Plans), IT0369 (Savings Plans), IT170 (Flexible Spending Accounts), IT0377 (Miscellaneous Plans)

Previous Comments  
My wife had our second child last May and my work travel schedule has prevented me from spending the amount of time that I would prefer. I have decided to take an opportunity local to Atlanta. February 24th is my requested last day.

New Comments  
Thomas Scott has been a tremendous employee over the last nine years. Please process his request and call if you have any questions.

1 of 3

Send Draft      Previous Step      Check and Send      Close

Manager adds additional information for HR Administrator

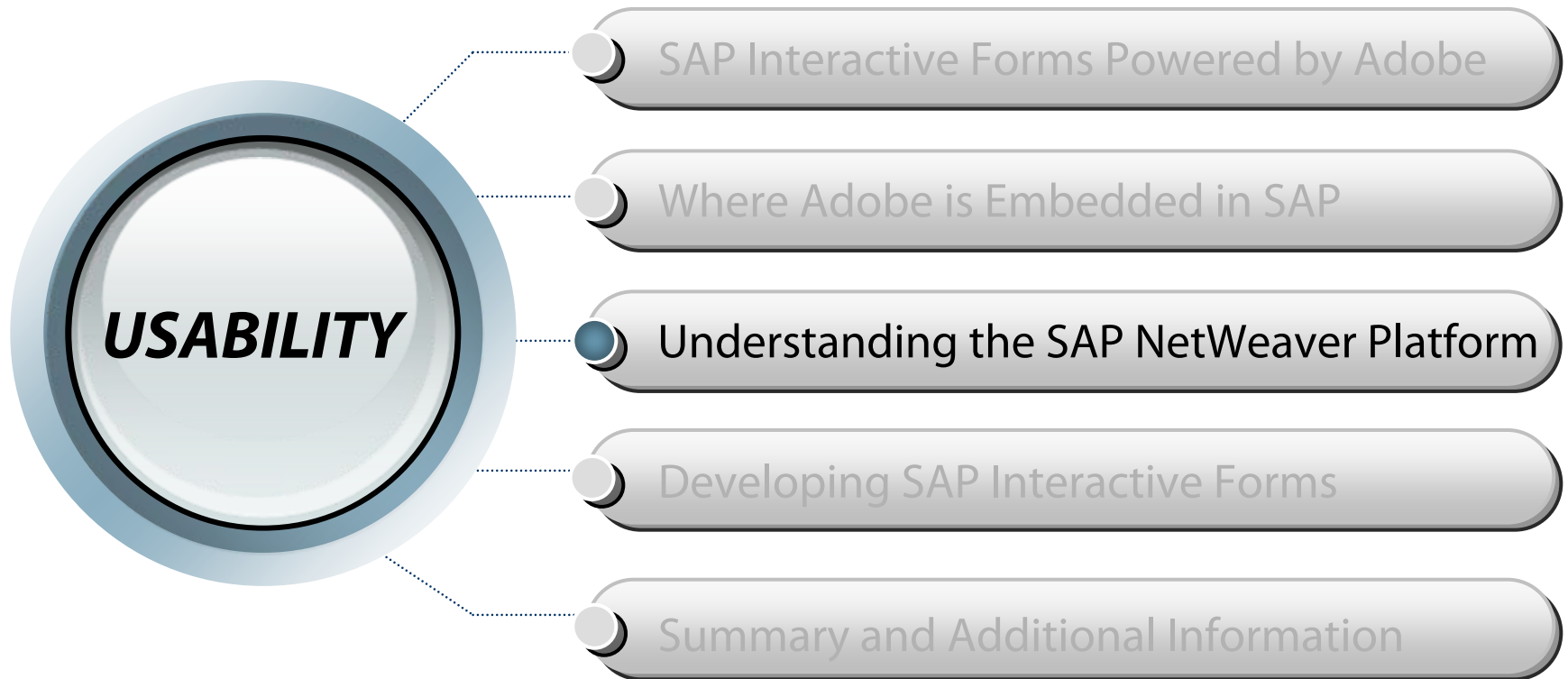
# Standard SAP Interactive Forms in other mySAP Applications

- mySAP Customer Relationship Management (SAP CRM 5.0)
  - Lead Management (based on Guided Procedures)
    - Offline scenario involving external channel partner
- mySAP Supplier Relationship Management (SAP SRM 5.0)
  - Invoice Management System (based on Web Dynpro for ABAP)
    - Invoice Exception Handling (2 scenarios)
- mySAP Product Lifecycle Management (SAP PLM)
  - Create PSP Element (based on Internet Service Request)
  - Change PSP Element (based on Internet Service Request)
  - Create Material Master (based on Guided Procedures)
  - Change Existing Material Master (based on Guided Procedures)

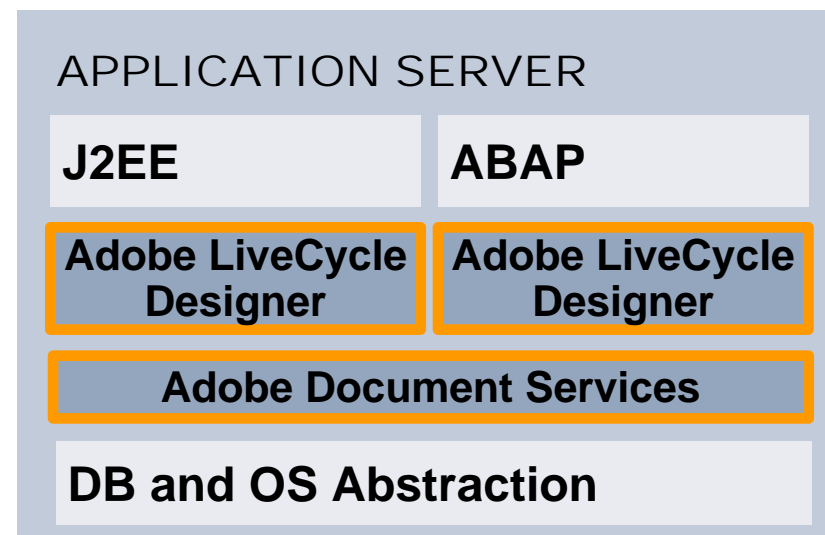
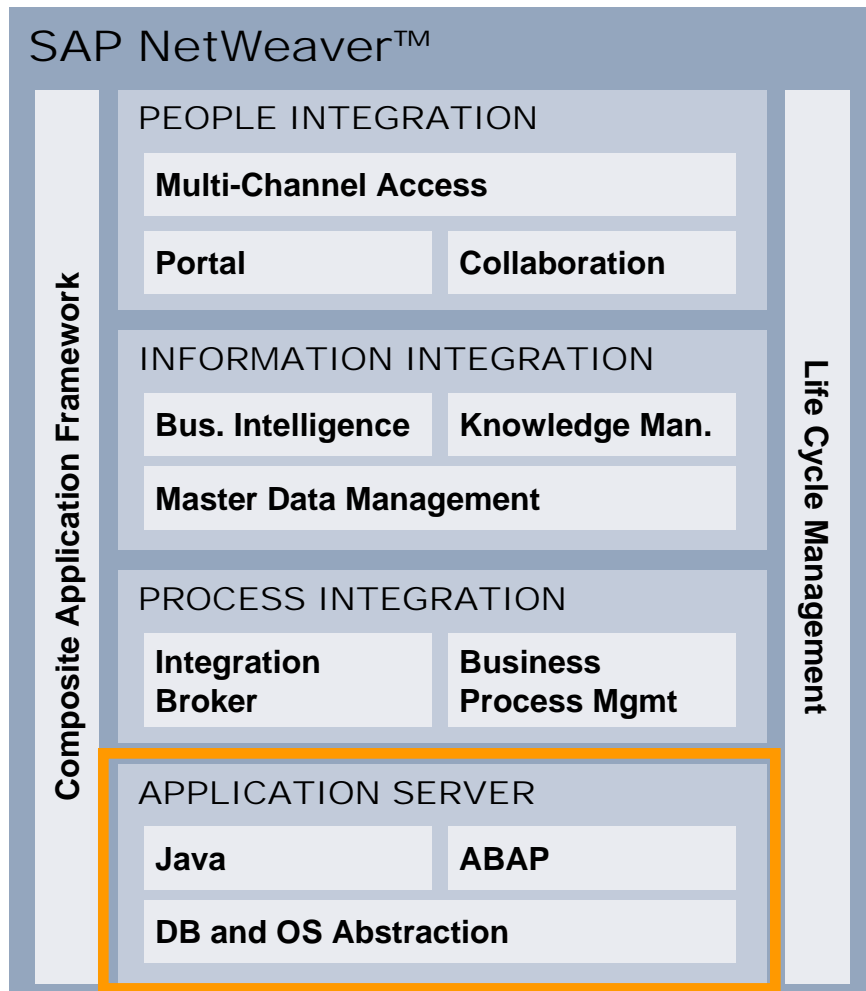
# What Use Cases are Specific to You?

- **Human Resources**
  - Benefits Enrollment / Change Form
  - Appraisal Processes
  - W2 and other Tax Forms
  - Global HR forms specific to foreign countries
- **Master Data**
  - Creating / Change Vendor
  - Create / Change Contractor
  - Create New Article
- **External Users**
  - New Vendor User Registration
  - Vendor Compliance Questionnaire
  - New Contractor Registration
  - Create Sales Order
  - Supplier Rebate Form
  - Create Return
- **Retail Scenarios**
  - Global Trade Services (GTS) Import Scenario
  - Create Retail Promotion
  - Create Trade Promotion
  - Create Advanced Ship Notification
  - Complete Material Safety Data Sheet (MSDS)
  - Electronic Funds Transfer Setup
  - Create Stock Transfer Order
- **Others**
  - ???

# Raising the Bar for Usability



# Full Integration into SAP NetWeaver



# SAP Interactive Forms – SAP Integration Environments

Environment	Availability
Guided Procedures (for offline forms-based workflow processes)	SAP NetWeaver 2004s
Internet Service Request (for online forms-based workflow processes)	mySAP ERP 2004
Web Dynpro for Java (for application development with standard UI technology)	SAP NetWeaver 2004
Web Dynpro for ABAP (for interactive application development in ABAP)	SAP NetWeaver 2004s
ABAP Workbench (for high-volume printing, transaction SFP)	SAP NetWeaver 2004
Enterprise Reporting (for printing dynamic BI tables)	SAP NetWeaver 2004s



# Web Dynpro for Java / ABAP

- Web Dynpro is SAP's strategic user interface framework.
- Provides a guide to designing user interfaces that allows users to create and modify pages in what portal designers call model-driven development methodology (MVC – Model, View, Controller).
- Web Dynpro development tools are available for Java (NetWeaver Developer Studio in NW04 and higher) and ABAP (ABAP Workbench in NW04S).
- Provides tight integration for Interactive Forms.
- SAP Interactive Forms can be rendered inside a Web Dynpro page in the SAP Portal and can communicate with the Web Dynpro framework.
- Recommended for custom application development including online and offline forms

# Example of View Purchase Orders Web Dynpro Object

Welcome, Frank Jones

Back Forward History Options ? SAP

Search Search Options

Home Purchase Requests and Orders Managing Purchasing Sourcing and Contracting Vendor Invoicing

**Overview**

Purchase Requests

**Purchase Orders**

Reports

Look for Purchase Requests

Go Advanced Options

**Common Tasks**

- Create PO from scratch
- Create PO with reference
- Update supplier contact data
- Block / Unblock supplier

**Related Information**

- Supplier Contracts

**Purchase Orders**

Show My Purchase Orders by Acknowledgments Open Check Send to Create Show Query Hide Filter Hide Preview

Status	Number	Creation Date	Supplier	Total Value	Acknowledgements	Goods Received	Invoice
Not sent	54954843	07/03/04	Smith Inc.	\$1,906.00			
Sent	56566566	07/03/04	AMS	\$456.00	<a href="#">Acknowledged</a>		
Sent	56777667	07/03/04	AMS	\$2,545.00	<a href="#">Deviating</a>		
Not sent	57688888	07/03/04	Smith Inc.	\$434.00			
Draft	67676676	07/03/04	Smith Inc.	\$6,544.00			
Not sent	68877677	07/02/04	Smith Inc.	\$644.00			
Sent	69887677	07/02/04	Plastoco	\$856.00	<a href="#">Acknowledged</a>		
Sent	69897667	07/02/04	AMS	\$2,334.00	<a href="#">Rejected</a>	<a href="#">Partly Received</a>	
Sent	78779997	07/02/04	AMS	\$645.00	<a href="#">Acknowledged</a>		
Sent	79799999	07/02/04	AMS	\$2,434.00	<a href="#">Acknowledged</a>	<a href="#">Complete</a>	<a href="#">Complete</a>

Row 1 of 10

Order Number 36722481 Requester Mike Anderson

Preferred Vendor ABC Corp.

Button 1 Button 2 Button 3

**You Can Also**

- Maintain Default Parameter
- Set Reminder
- Evaluate Supplier

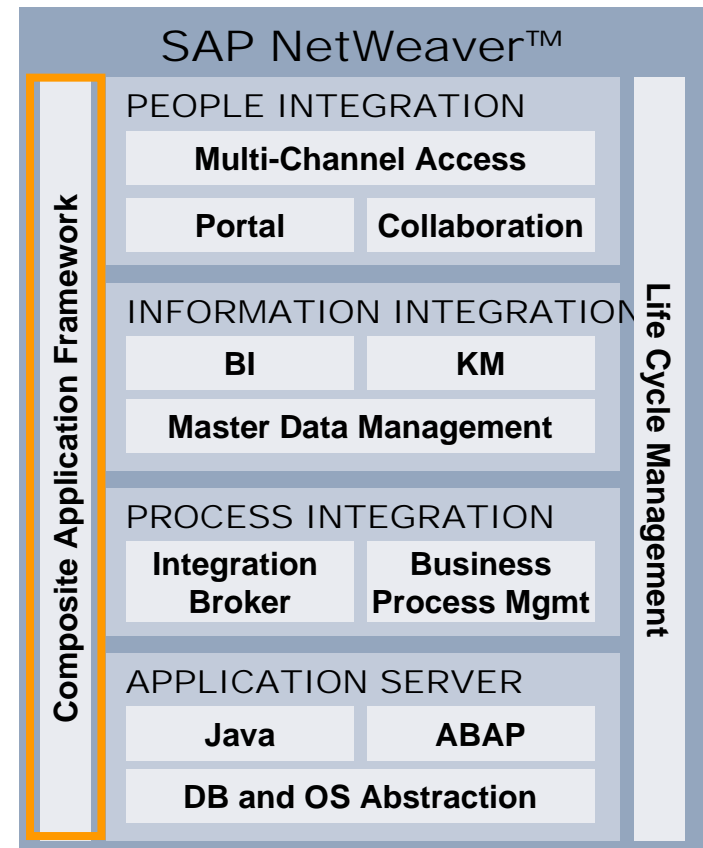
Web Dynpro  
Object

# ISRs & PCRs in mySAP HCM Forms

- Internet Service Request (ISR) is an SAP customization framework for self-service processes.
- ISR is the foundation for SAP Interactive Forms in MSS (mySAP ERP 2004) and the enhanced HCM Processes and Forms (mySAP ERP 2005).
- ISRs are configured and administered through the SAP GUI.
- ISR generates Web Dynpro user interfaces with SAP Interactive Forms for the end user.
- HCM Processes and Forms based on ISR is the preferred framework for HCM based self-service forms.
- Personnel Change Request (PCR) is an ISR-based request form to change basic employee data.
  - Change of Employee Group / Subgroup
  - Position Change
  - Simple Requisition Request
  - ...

# Guided Procedures Defined

- Guided Procedures is the process layer of SAP's Composite Application Framework (CAF) in SAP NetWeaver.
- Offers flexible, highly functional workflow environment in NetWeaver 2004s
- Enables users to easily set up and execute collaborative business processes
- Provides reusable templates for actions
- Configuration through browser user interface
- Connection to SAP applications via BAPIs, RFC, or web services
- Uses Web Dynpro user interfaces



# Guided Procedures: The Principle

Guided Procedures: Lead through the workflow and enable tracking of the process

Interactive Forms: Steps can be completed offline

1

**Find form**



**Requestor**

2

**Add data**



**Specialist**

3

**Approve**



**Manager**

4

**Create Master Data**

**Enterprise Services Architecture**

**Notifications triggered by Guided Procedures**

# SAP Interactive Forms: Change Employee Group / Subgroup

The screenshot shows the SAP Employee Group and Subgroup Change Request form. The form is titled "Change Employee Group and Subgroup" and includes the SAP logo. The form is divided into several sections:

- Effective Date:** This section contains a text input field for the effective date and a button labeled "Update Request Effective Date".
- General Employee Information:** This section contains two text input fields: "Employee" and "Organizational Assignment".
- Employee Group and Subgroup Change Request Data:** This section contains a table with two columns: "Current" and "New". The table has two rows: "Employee Group" and "Employee Subgroup". The "Current" column shows "Mitarbeitergruppe" and the "New" column shows "Active (1)".

The form is displayed in a web browser window. The browser's address bar shows the URL "http://us4082.wdf.sap.corp:50000/irj/portal". The browser's status bar at the bottom shows "Done" and "Local intranet".

## Roadmap

## Contextual Assistance

## SAP Interactive Form Object

- **Contextual Information**
- **Data Entry**

## Navigation Buttons



# SAP Interactive Forms Technical Scenarios

## Online Interactive Form Scenario

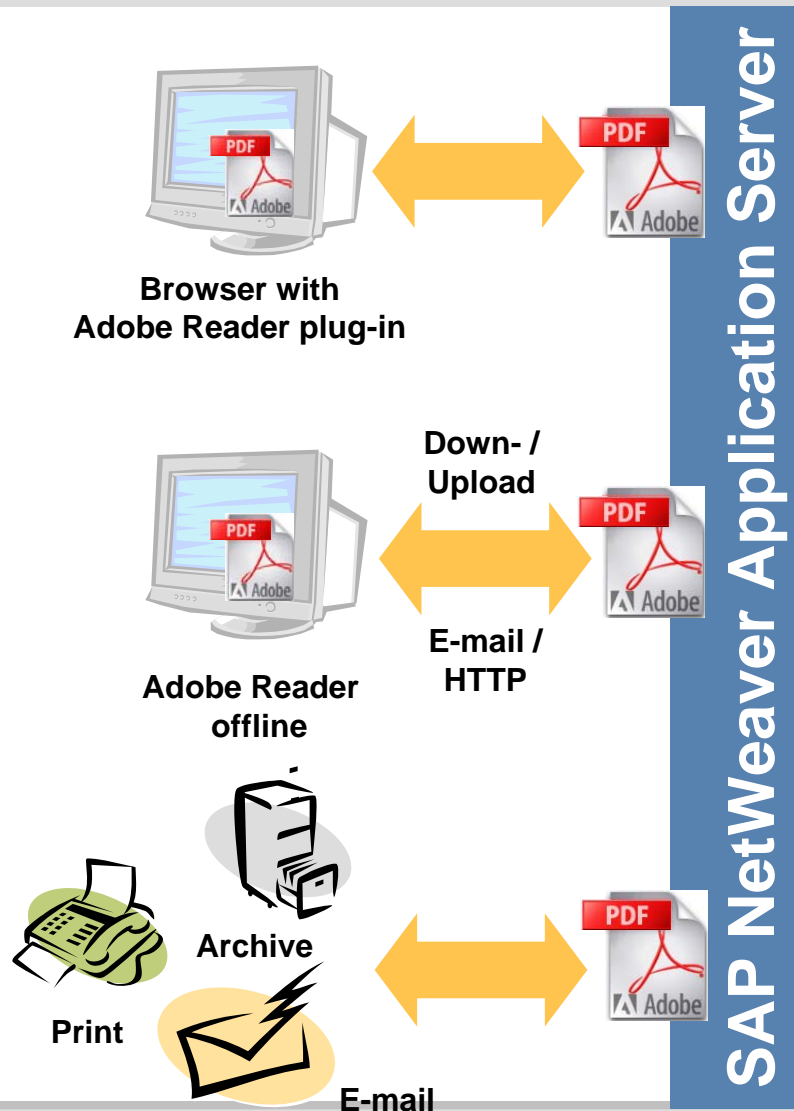
- SAP system access needed
- Full integration into Web Dynpro for Java and ABAP frameworks
- Context-sensitive value help, online checks

## Offline Interactive Form Scenario

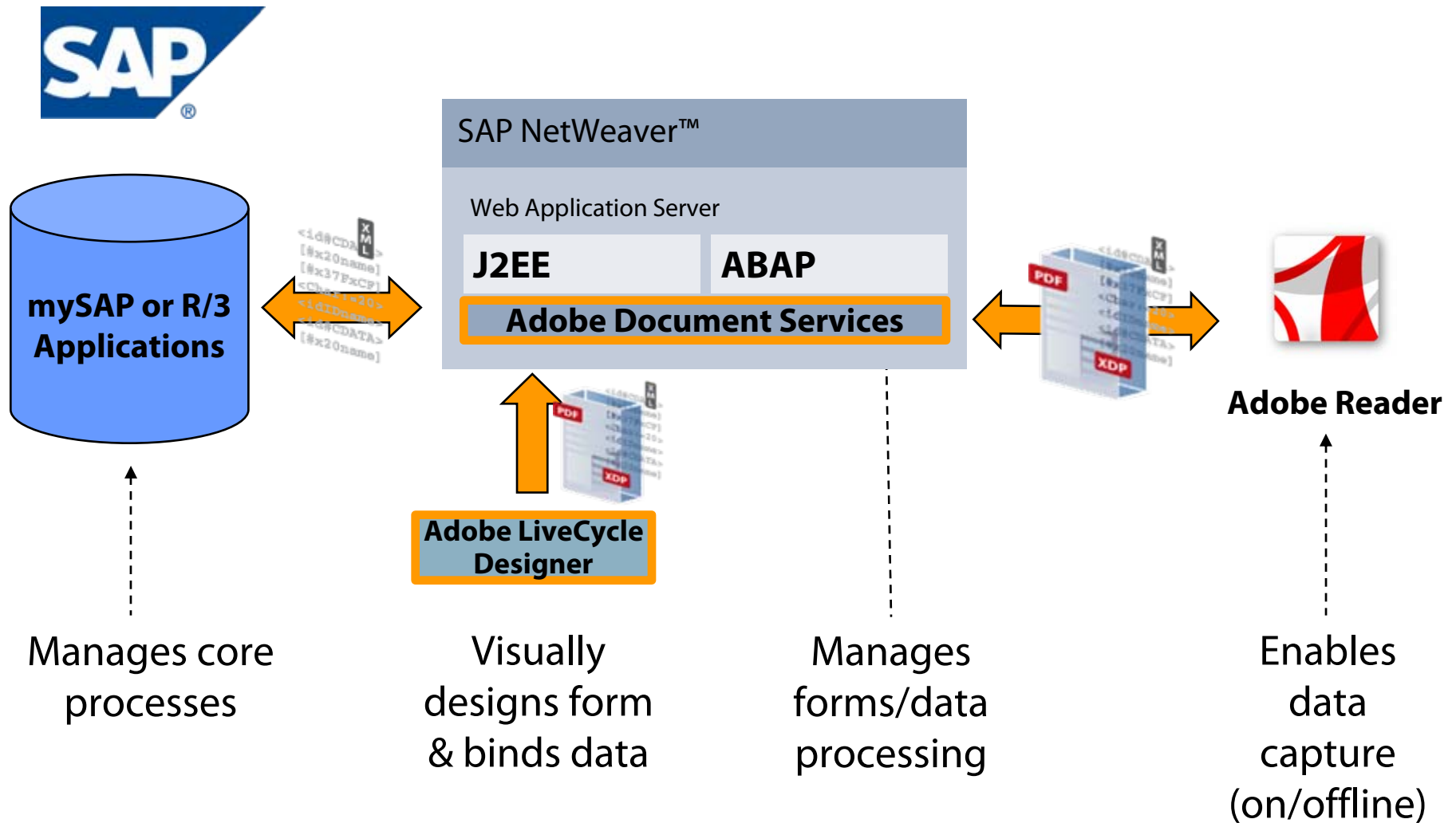
- No SAP system access needed
- Static value help, static checking, simple arithmetic calculations
- Self-contained PDF (XML data+layout)

## Form Printing Scenario

- 'Classic' form processing, not interactive
- Output documents are printed, e-mailed, archived or faxed



# SAP Interactive Forms → How Do They Work?



# How are SAP Interactive Forms Developed?

## Design Layout

**SAP NetWeaver Developer  
Studio ABAP Workbench**



**ABAP**

**Java**

**Adobe LiveCycle  
Designer**

## Deliver Forms Process Data

**SAP NetWeaver  
Application Server**



**Java**

**Adobe Document  
Services**

## Capture Data

**User Frontend**



**Adobe Reader**



# LiveCycle Designer in the NetWeaver Developer Studio

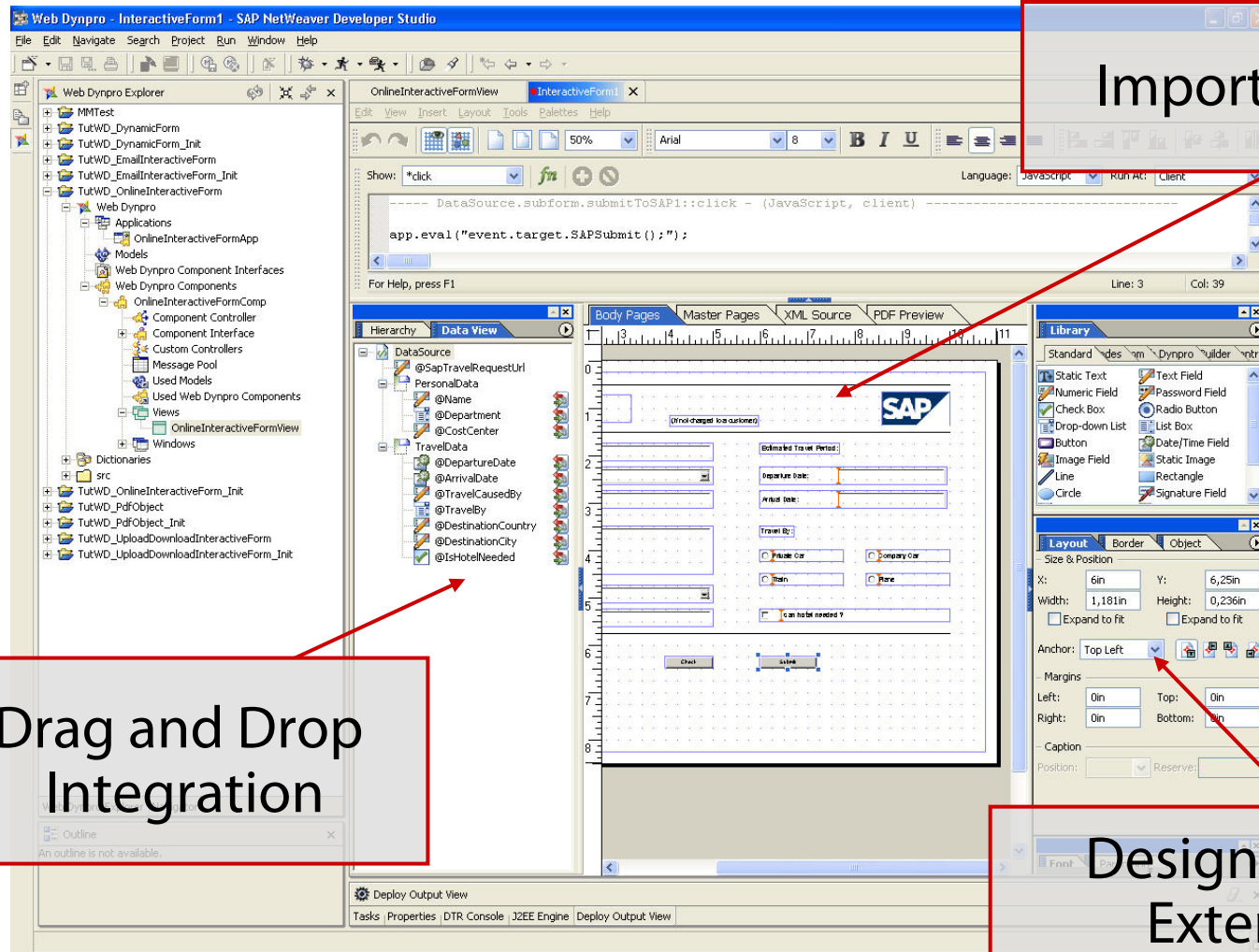
The screenshot displays the SAP NetWeaver Developer Studio interface with several key components highlighted by red circles and callout boxes:

- Web Dynpro Environment:** A red circle highlights the left-hand pane, which contains a project tree showing the structure of the Web Dynpro application, including folders for Models, Views, and Controllers.
- Data Schema:** A red circle highlights the 'Data View' pane in the center, which displays a hierarchical data schema for the 'DataSource'. It lists attributes such as '@SapTravelRequestUrl', '@Name', '@Department', '@CostCenter', '@DepartureDate', '@ArrivalDate', '@TravelCausedBy', '@DestinationCountry', '@DestinationCity', and '@IsHotelNeeded'.
- Script Editor:** A red circle highlights the 'Script Editor' pane at the top right, which shows the JavaScript code for the 'click' event of the 'DataSource.subform.submitToSAP1' control. The code is: 

```
app.eval("event.target.SAPSubmit();");
```
- Designer Tools Palette:** A red circle highlights the 'Designer Tools Palette' on the right side, which provides a collection of UI controls and widgets for designing the form, including Text Field, Password Field, Radio Button, List Box, Date/Time Field, Static Image, Rectangle, and Signature Field.

The central workspace shows a visual representation of the form, including a 'SAP' logo and various input fields and buttons.

# LiveCycle Designer in the NetWeaver Developer Studio

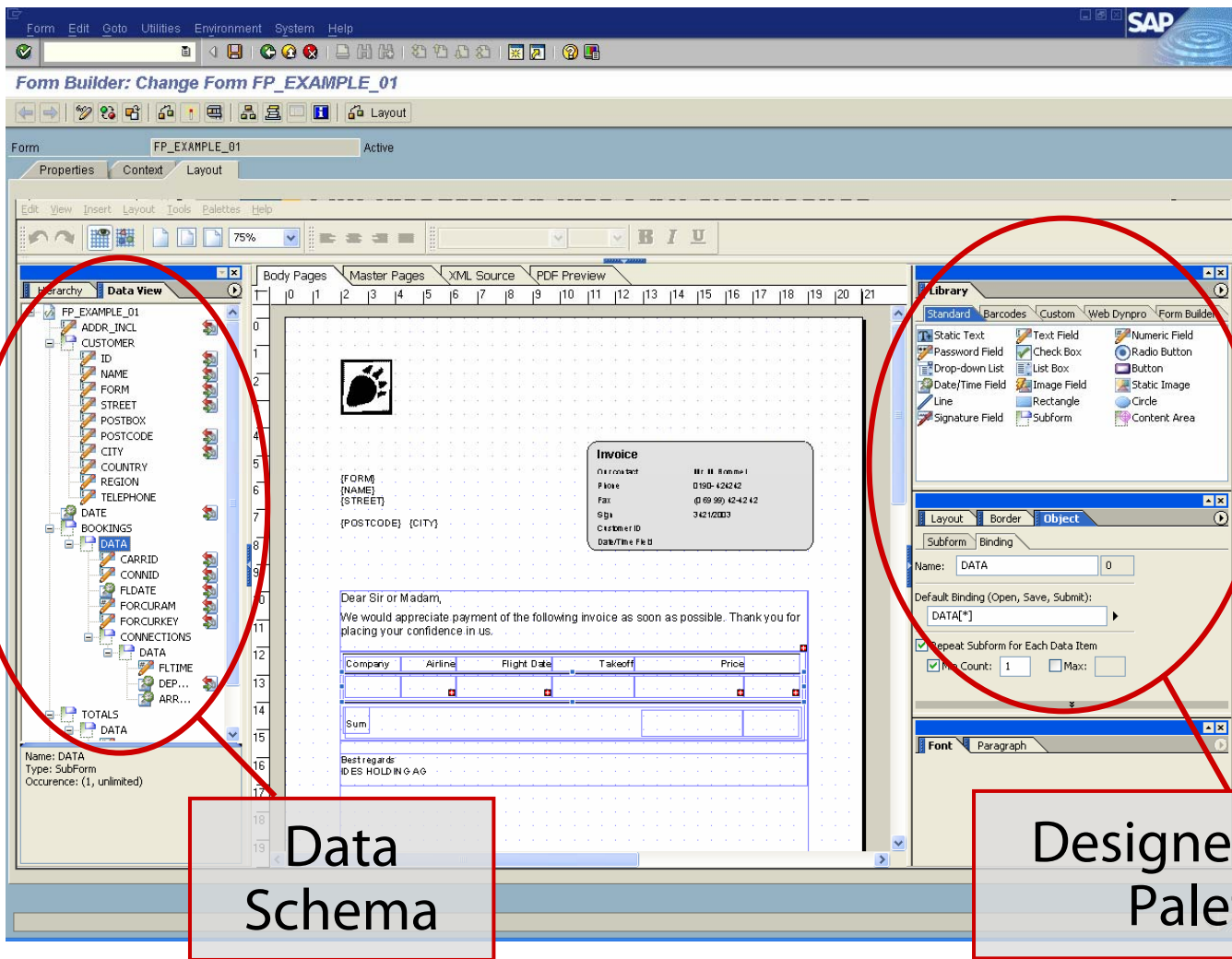


Drag and Drop  
Integration

Import Forms

Design and  
Extend

# LiveCycle Designer in the ABAP Workbench (Transaction SFP)

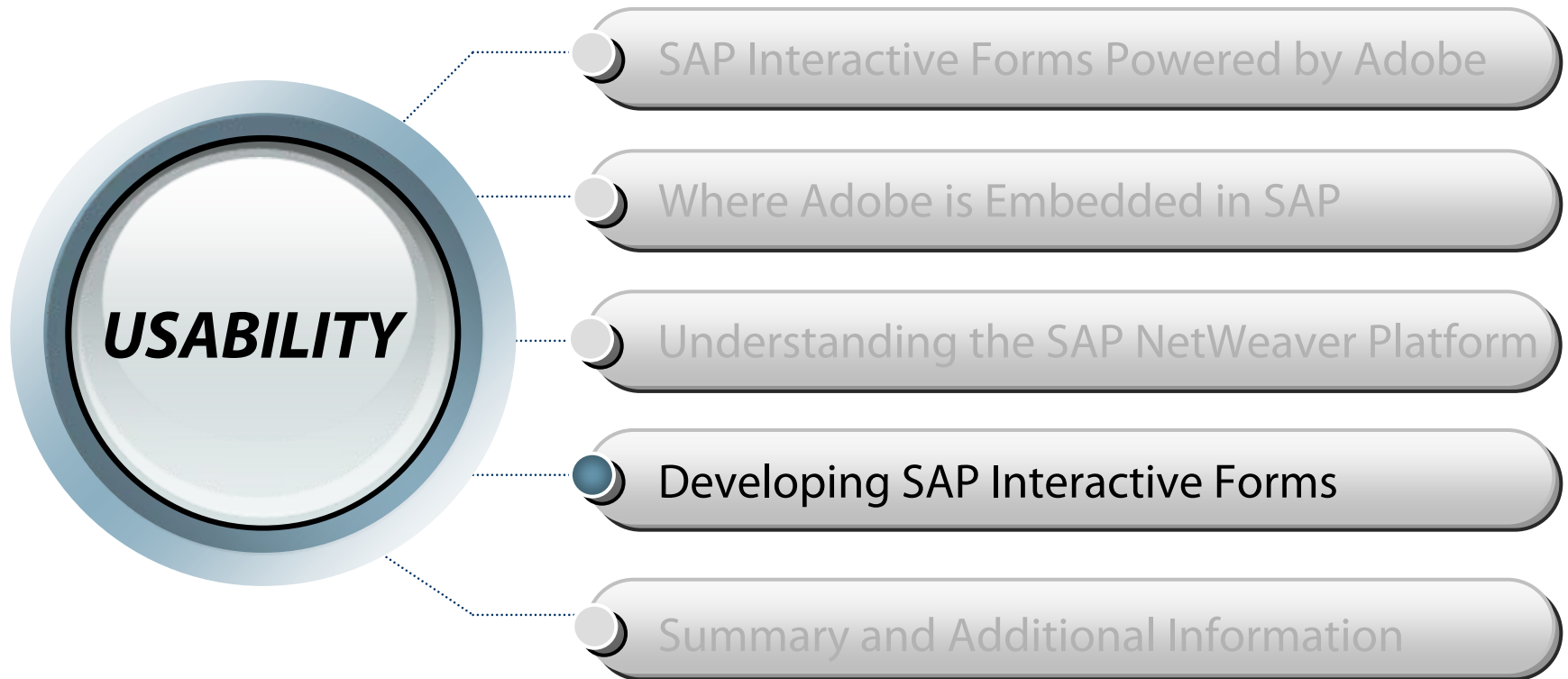




# Adobe LiveCycle Technology in SAP Interactive Forms

- The SAP Interactive Form by Adobe product actually consists of multiple Adobe LiveCycle product capabilities resulting in a significant cost savings for SAP customers.
  - **Adobe LiveCycle Forms** enables organizations to extend their intelligent data capture processes beyond their firewalls by deploying secure electronic forms in PDF or HTML over the Internet. With Adobe LiveCycle Forms, customers can easily access online forms without downloading any additional software, fill them in online.
  - **Adobe Document Security Server** enables businesses to bring more paper-based processes online by providing digital signature and encryption capabilities in a server environment.
  - **Adobe Reader Extensions Server** consist of two components; the server software, which assigns additional usage rights to electronic forms created by PDF authoring programs such as Adobe Designer; and the client software, Acrobat Reader which reads and allows access to the usage rights to forms within the direct control of that organization.
  - **Adobe Designer** is the authoring tool for designing forms.
- All that plus SAP integration!

# Raising the Bar for Usability



Applicants should complete this form as "Applicant" or "Co-Applicant" as applicable. Co-applicant information must be provided when the income or assets of a person other than the Applicant (including the Applicant's spouse) will be used as a basis for loan qualification.

Is this an individual (no co-applicant) or joint (with a co-applicant) loan application? ☒ Individual ☐ Joint

Applicant		I. APPLICANT INFORMATION		Co-Applicant
Applicant First Name	Kel	Applicant Last Name	Varsen	
Social Security Number	602-23-8476	Home Phone (incl. area code)	(207) 940-3711	
Street Address	125 New Haven Ave.			
City	Portsmouth	State	ME	01144-8292
E-Mail Address	kvarsen@myISP.net			

II. LOAN INFORMATION		<a href="#">Get current interest rate...</a>
In what state will you be purchasing the home?	California	Will you be applying for optional Life Insurance? <input checked="" type="radio"/> Yes <input type="radio"/> No
If life insurance is selected, your loan document package will contain a Life Insurance section.		


III. TERMS OF LOAN					
Purchase Price	Down Payment	Term (years)	No. Months	Interest Rate	Amortization Type
\$ 400,000	\$ 40,000	30	360	7.50	<input checked="" type="radio"/> Fixed <input type="radio"/> GPM <input type="radio"/> ARM
Principal	Monthly Payment	If your down payment is less than 20% of the purchase price, a Mortgage Insurance section must be filled to compete the application after submission.			
\$ 360,000.00	\$ 2,517.17				

Applicant		IV. APPLICANT INCOME INFORMATION		Co-Applicant
Income Type 1	Amount	Income Type 1	Amount	
Employment	\$ 53,000.00		\$	
Income Type 2	Amount	Income Type 2	Amount	
	\$		\$	

Applicant		V. APPLICANT ASSET INFORMATION		Co-Applicant
Asset Type 1	Amount	Asset Type 1	Amount	
Bank Accounts	\$ 5,000.00		\$	
Asset Type 2	Amount	Asset Type 2	Amount	
	\$		\$	

Applicant		VI. APPLICANT LIABILITY INFORMATION		Co-Applicant
Liability Type 1	Amount	Liability Type 1	Amount	
Vehicle Lease	\$ 2,200.00		\$	
Liability Type 2	Amount	Liability Type 2	Amount	
	\$		\$	

VII. SIGNATURES AND PROCESSING	
--------------------------------	--

 Digitally signed by Kel Varsen

Applicant Signature

[Submit...](#)



www.financecorp.com

**CRM**

**SAP**

**Other DB**

**Digital  
Signatures**

**Paper to  
Digital**

**Fin@nce corp.**

## MORTGAGE APPLICATION

**I. APPLICANT INFORMATION**

Applicant First Name:  Last Name:   
Social Security Number:  Date of Birth:   
Phone Number:  Fax Number:   
Street Address:  City:  State:  Zip:   
Co:  Email Address:   
Is your new job in the same area as your current job? ☐ Yes ☐ No

**II. LOAN INFORMATION**

Loan Type:  Loan Amount:   
Term (years):  Interest Rate:   
Is your down payment at least 20% of the purchase price? ☐ Yes ☐ No

**III. TERMS OF LOAN**

Term (years):  Interest Rate:   
Is your down payment at least 20% of the purchase price? ☐ Yes ☐ No

**IV. APPLICANT INCOME INFORMATION**

Income Type 1:  Amount:   
Income Type 2:  Amount:   
Employment:

**V. APPLICANT ASSET INFORMATION**

Asset Type 1:  Amount:   
Asset Type 2:  Amount:   
Bank Accounts:

**VI. APPLICANT LIABILITY INFORMATION**

Liability Type 1:  Amount:   
Liability Type 2:  Amount:   
Vehicle Lease:


**VII. SIGNATURES AND PROCESSING**

Digitally signed by Kel  
Applicant Signature  
Submit...

**Presentation  
Business Logic  
XML Transport & Schema**

# Current Smart Form for Bid Output (Quotation)

- Submitted to customers to supply materials to build homes
- Bid Form printed and given to customers
- If customer changes bid, Account / Contract Manager must update information and resubmit (print) bid



creative touch interiors

## QUOTATION

Page 1

Quotation 20000348
Date 06/06/2006

**BUILDER INFORMATION:**

100015  
D.R. HORTON  
123 MAIN STREET  
PHOENIX AZ 85034

**COMMUNITY INFORMATION:**

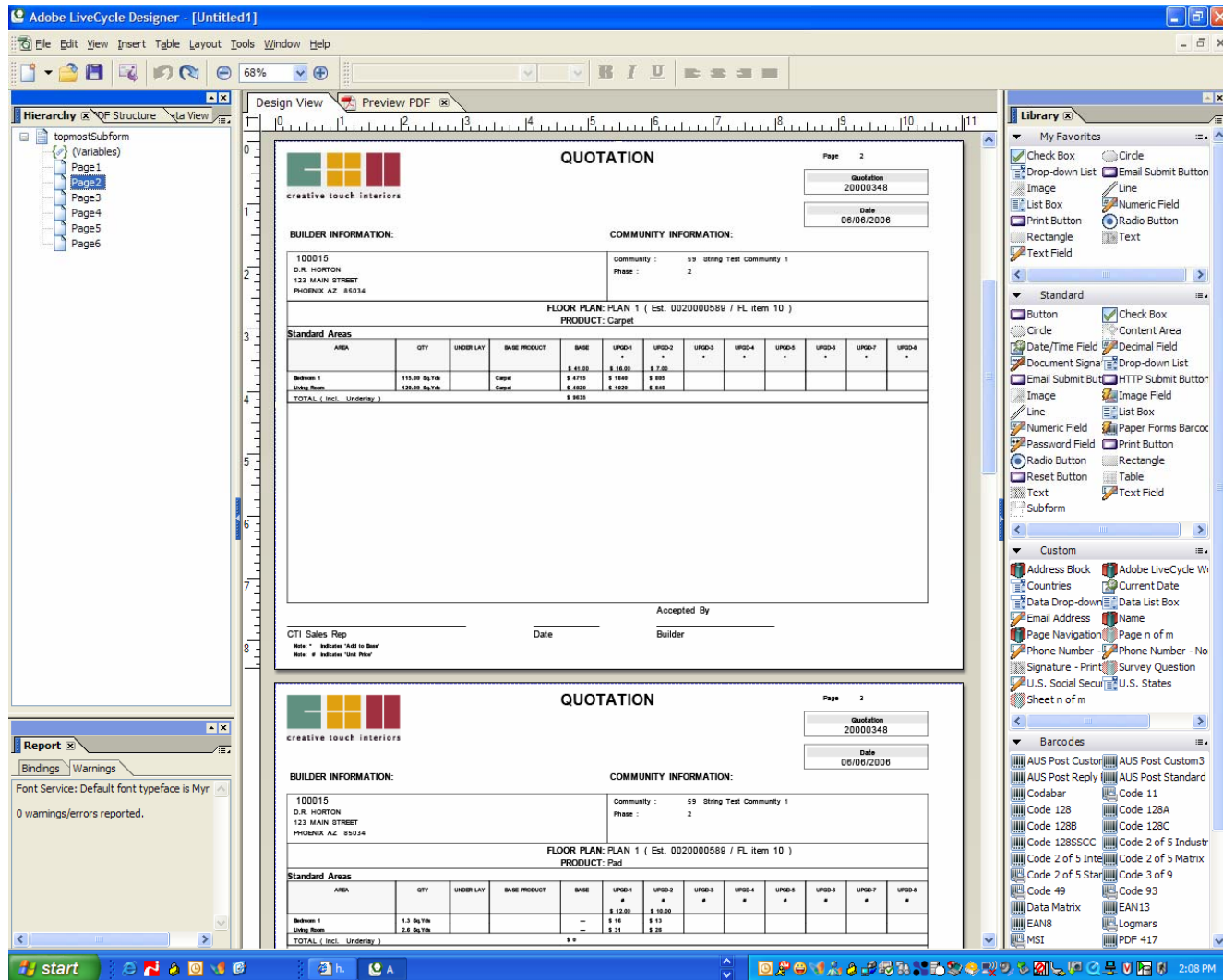
Community : 59 String Test Community 1  
Phase : 2

PRODUCT	FLOOR PLAN	AREA	QTY	STYLE/COLOR	RATE	AMOUNT
Carpet	PLAN 1 Base	Bedroom 1	115.00 Sq.Yds	SHAW ADARJO BERBERPad : 0.4375 " PRIME	\$41.00 /Sq.Yd	\$ 4715
		Living Room	120.00 Sq.Yds		\$41.00 /Sq.Yd	\$ 4920
Tile Straight	PLAN 1 Base	Master Bathroom	12.00 Sq.Ft	MEGACERA MONTEREY 16 " X 16 "	\$ 25.00 /Sq.Ft	\$ 300

CTI Sales Rep

Future State: If converted to an SAP Interactive Form, the Account / Contract Manager could modify bid via a mobile Tablet PC and be able to provide an updated bid while at the customer site.


# LiveCycle Designer vs. NetWeaver Developer Studio



- LC Designer is typically used for SAP Interactive Form demo purposes
- Does not include integrated SAP data, Web Dynpro UI, and other unique SAP development features
- Business Analysts could use Designer to begin form development and then hand over to Developers for NWDS integration



# Bid Output (Quotation) Form



creative touch interiors

## QUOTATION

Page 1

Quotation  
20000348

**BUILDER INFORMATION:**

100015  
D.R. HORTON  
123 MAIN STREET  
PHOENIX AZ 85034

**COMMUNITY INFORMATION:**

Community : 59  
Phase : 2

PRODUCT	FLOOR PLAN	AREA	QTY	
Carpet	PLAN 1 Base	Bedroom 1	115.00 Sq Yds	SHAW ADARSO BERSERPad : 4
		Living Room	120.00 Sq Yds	
Tile Straight	PLAN 1 Base	Master Bathroom	12.00 Sq Ft	MEGACERA MONTEREY 16 " X

**COMMUNITY INFORMATION:**

Community : 59 String Test Community 1

Phase : 2

Library

Standard Barcodes Custom Web Dynpro Form Builder

Static Text

Numeric Field

Check Box

Drop-down List

Button

Image Field

Line

Circle

Subform

Text Field

Password Field

Radio Button

List Box

Date/Time Field

Static Image

Rectangle

Signature Field

Content Area

TOTAL \$ 9935.00


CTI Sales Rep

Date

Accepted By

Builder

# Bid Output (Quotation) Form



creative touch interiors

## QUOTATION

Page 1

Quotation  
20000348

**BUILDER INFORMATION:**

100015  
D.R. HORTON  
123 MAIN STREET  
PHOENIX AZ 85034

**COMMUNITY INFORMATION:**

Community : 59  
Phase : 2

PRODUCT	FLOOR PLAN	AREA	QTY	
Carpet	PLAN 1 Base	Bedroom 1	115.00 Sq Yds	SHAW ADAGIO BERBERPad : 4
		Living Room	120.00 Sq Yds	
Tile Straight	PLAN 1 Base	Master Bathroom	12.00 Sq Ft	MEGACERA MONTEREY 16 " X 16 "

PRODUCT	FLOOR PLAN	AREA
-Carpet	-Plan 1 Base	Bedroom 1
-	-	-

	TOTAL	\$ 9935.00
--	-------	------------

CTI Sales Rep

Date

Accepted By  
Builder

**Library**


Standard Barcodes Custom Web Dynpro Form Builder

- Static Text
- Numeric Field
- Check Box
- Drop-down List
- Button
- Image Field
- Line
- Circle
- Subform

- Text Field
- Password Field
- Radio Button
- List Box
- Date/Time Field
- Static Image
- Rectangle
- Signature Field
- Content Area



# Bid Output (Quotation) Form



creative touch interiors

## QUOTATION

Page 1

Quotation  
20000348

**BUILDER INFORMATION:**

100015  
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123 MAIN STREET  
PHOENIX AZ 85034

**COMMUNITY INFORMATION:**

Community : 59  
Phase : 2

PRODUCT	FLOOR PLAN	AREA	QTY	
Carpet	PLAN 1 Base	Bedroom 1	115.00	Sq Yds SHAW ADAGIO BERBERPad
		Living Room	120.00	Sq Yds
Tile Straight	PLAN 1 Base	Master Bathroom	12.00	Sq Ft MEGACERA MONTEREY 16" X

AREA	QTY/unit
Bedroom 1	115
-	0
-	0

/Sq Ft  
/Sq Yd  
/Sq In

**TOTAL** \$ 9935.00

Accepted By  
 \_\_\_\_\_  
 CTI Sales Rep

Date  
 \_\_\_\_\_

Builder  
 \_\_\_\_\_


**Library**

Standard Barcodes Custom Web Dynpro Form Builder

- Static Text
- Numeric Field
- Check Box
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- Text Field
- Password Field
- Radio Button
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# Bid Output (Quotation) Form



creative touch interiors

## QUOTATION

Page 1

Quotation  
20000348


**BUILDER INFORMATION:**

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**COMMUNITY INFORMATION:**

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Tile Straight	PLAN 1 Base	Master Bathroom	12.00 Sq Ft	MEGACERA MONTEREY 16 " X



**Matt Rodgers**  
Sales Rep

Digitally signed by Matt Rodgers  
 DN: cn=Matt Rodgers, o=Adobe Systems, ou, email=mrodgers@adobe.com, c=US  
 Date: 2007.02.05 10:10:30 -0500

**01/02/2007**  
Date

**Library**

Standard Barcodes Custom Web Dynpro Form Builder

Static Text

Numeric Field

Check Box

Drop-down List

Button

Image Field

Line

Circle

Subform

Text Field

Password Field

Radio Button

List Box

Date/Time Field

Static Image

Rectangle

Signature Field

Content Area

# Bid Output (Quotation) Form

**creative touch interiors**

**QUOTATION**

Page 1

Quotation  
20000348

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100015  
D.R. HORTON  
123 MAIN STREET  
PHOENIX, AZ 85034

**COMMUNITY INFORMATION:**

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Carpet	PLAN 1 Base	Bedroom 1	115.00 Sq Yds
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Tile Straight	PLAN 1 Base	Master Bathroom	12.00 Sq Ft

SHAW ADAGIO BERRERPad : 4  
MEGACERA MONTEREY 16 " X

**Library**

Standard Barcodes Custom Web Dynpro Form Builder

- Static Text
- Numeric Field
- Check Box
- Drop-down List
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- Subform
- Text Field
- Password Field
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- Signature Field
- Content Area

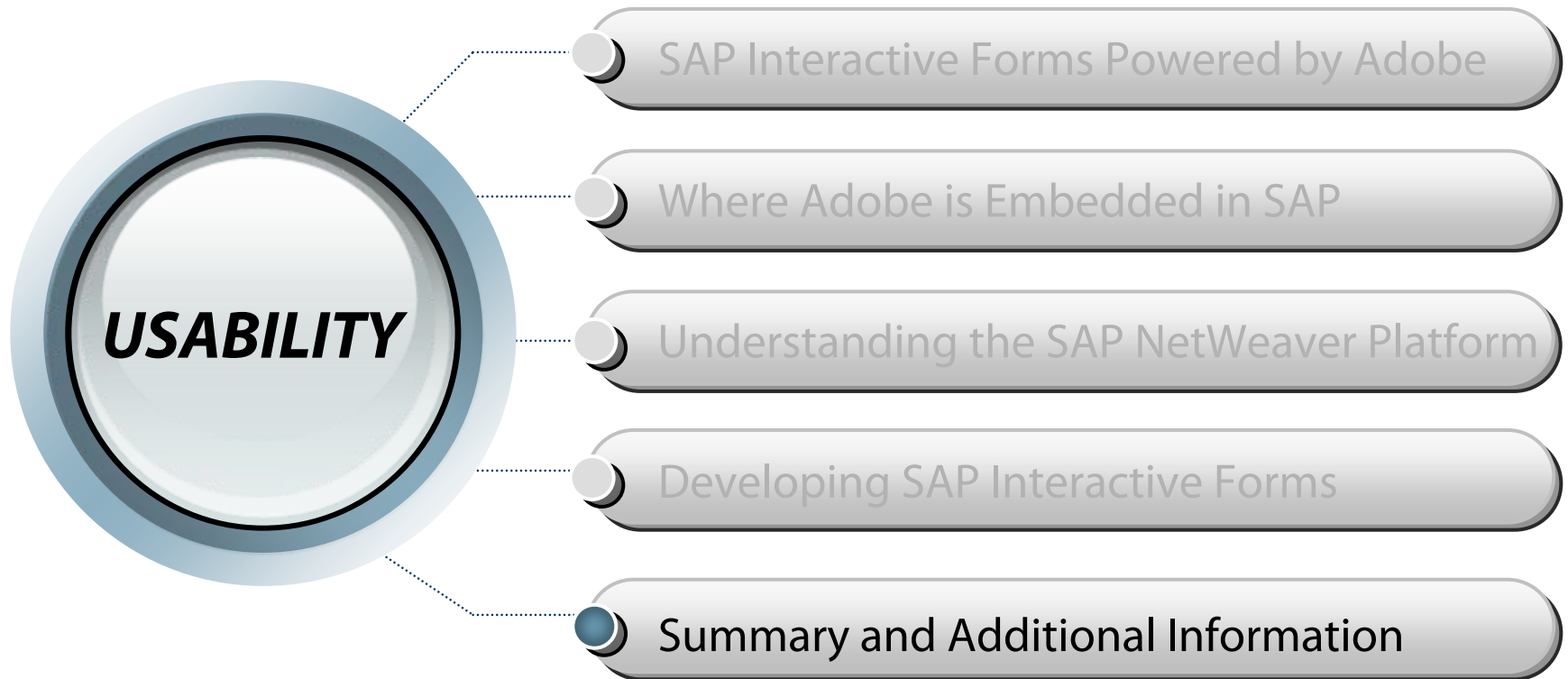
**creative touch interiors**

TOTAL \$ 9935.00

Accepted By

CTI Sales Rep Date Builder

# Raising the Bar for Usability



# Unique Features of SAP Interactive Forms by Adobe

- Familiarity of existing paper forms that can be replicated with SAP Interactive Forms
  - Reduces costs associated with training users on new processes and applications
  - Minimizes change management by keeping the process familiar
- Added features of Adobe Reader
  - Digital Signatures
  - Form download / print capabilities (as opposed to printing the entire Portal / Web Dynpro page)
  - Ability to view, rotate, annotate, and measure 3D content embedded within PDF documents that are created with Adobe Acrobat 3D software
- Offline access for remote and occasionally connected users
- In SAP HCM, Personnel Change Requests (PCRs) are being converted to SAP Interactive Forms as well as other user interfaces. From a usability standpoint, it is recommended to stay with similar technology to reduce training and change management.
- Further benefits of integrating Adobe LiveCycle Policy Server and 2D Barcode products

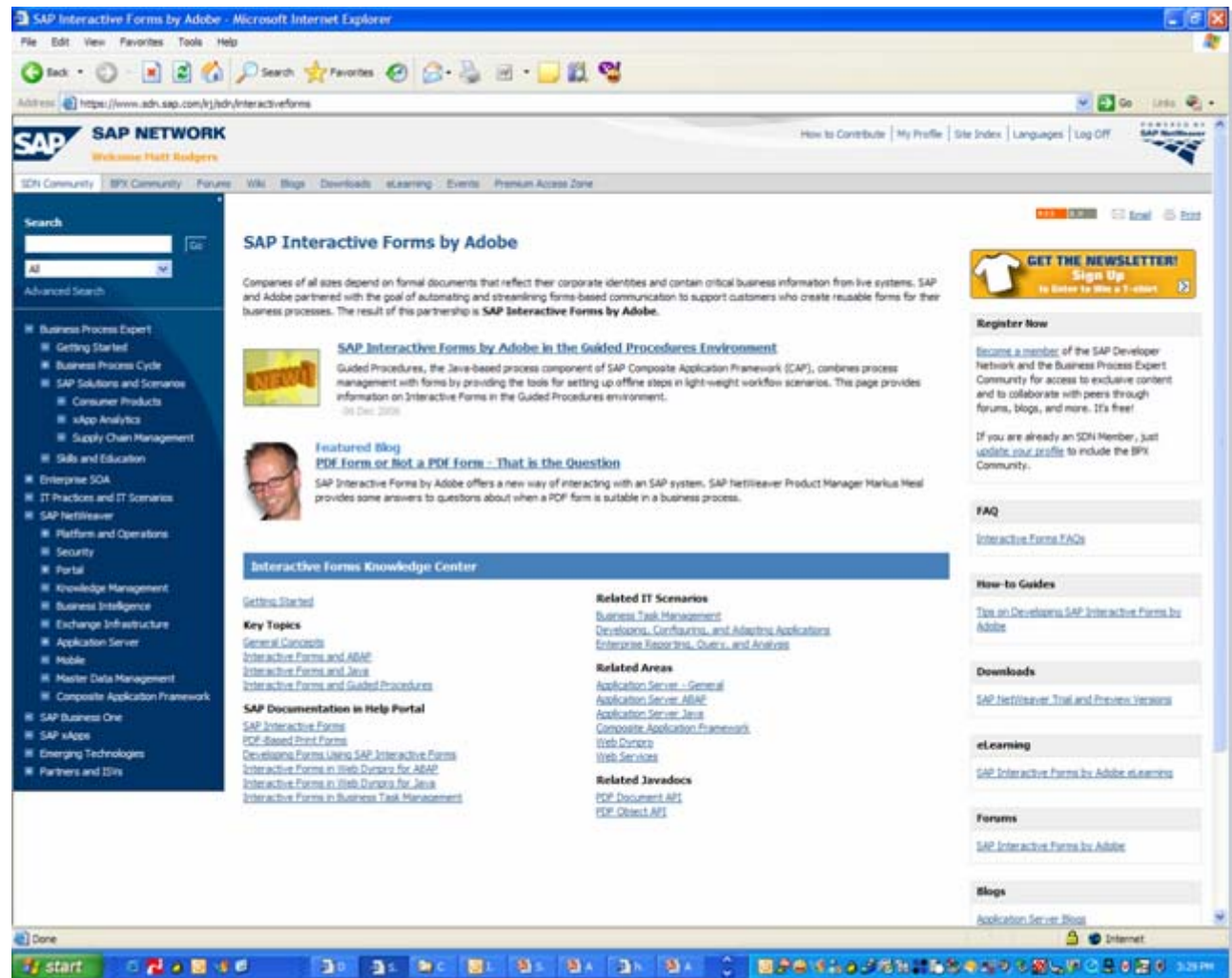
# Improving Productivity with SAP Interactive Forms

- Eliminate process latency, duplication, and errors in paper forms
- Integrate SAP application data
- Support casual and mobile users
- Minimize training time
- Get the job done faster, and at lower cost



# SAP Developer Network Dedicated Adobe Page

- Go to [www.sdn.sap.com](http://www.sdn.sap.com) and create a User Account if you have not already done so
- The Adobe page is located under SAP NetWeaver > Application Server > SAP Interactive Forms by Adobe





# SAP Insider HR 2007 – Las Vegas, March 12<sup>th</sup> – 14<sup>th</sup>

Presenter: Matthias Zeller, Adobe Systems

<http://www.saphr2007.com>

## Enhance ESS and MSS usability with SAP Interactive Forms

Many organizations leverage familiar-looking interactive forms to increase adoption of SAP Employee Self-Service (ESS) and Manager Self-Service (MSS) applications. This session offers a comprehensive look at SAP Interactive Forms by Adobe, which allow you to introduce self-service forms that are intuitive to users, mimicking the familiar look and feel of existing paper forms. Explore how Interactive Forms functionality aids users in streamlining data entry, drives online and offline forms usage, and ties into workflow for approvals and reviews. Gather ideas for where you can use Interactive Forms in HR self-service processes to enhance usability, including employee benefits statements, 401(k) change reports, and W-2s. Compare and contrast available SAP Interactive Forms frameworks in mySAP ERP 2005, and review how Web Dynpro, Guided Procedures, and the HR Admin role enable the use of Interactive Forms. Walk through a case study detailing how Adobe uses Interactive Forms to drive usability and increase adoption of HR applications in its own mySAP ERP 2005 HR system.



The poster for the HR2007 conference, held from March 12-14 in Las Vegas. It features the title 'HR2007' in large blue and yellow letters, with the dates and location below. A blue banner in the top right corner says 'Register early and SAVE Details Inside'. Below the title, it states 'Produced and conducted by VMS, publisher of SAP Insider, with permission from SAP AG'. The poster lists the conference topics: 'The Conference for SAP HR, Payroll, MSS, ESS, Benefits, Compensation, and Talent Management'. It includes a list of topics such as 'Advanced instruction to optimize payroll, tax reconciliation, and time management processes', 'Guidelines to implement and upgrade to mySAP ERP HCM', 'Export guidelines to increase the effectiveness of recruitment, training, workforce planning, appraisal, and succession management activities', 'Techniques to increase the usability of your Web, portal, ESS, and MSS applications', 'Detailed instruction on configuring and maintaining Organizational Management structures and objects', 'Best practices for addressing audit requirements and securing sensitive HR data', 'Tips and tricks to improve the quality of your HR and payroll reports', 'New strategies and benchmarks to drive higher-quality, lower-cost HR services and processes', and 'Techniques to streamline compensation administration, budgeting, and incentive planning'. The poster also features three small images: a person walking with a briefcase, a person at a computer, and a group of people. At the bottom, it includes the website 'www.saphr2007.com' and logos for 'SAP Insider' and 'SAP'.



# Additional Information and Learning

## Public Web:

- SAP Developer Network: <https://www.sdn.sap.com/irj/sdn/adobeforms> and eLearning Classes at <https://www.sdn.sap.com/irj/sdn/elearn> > SAP Interactive Forms by Adobe
- Adobe Systems: <http://www.adobe.com/enterprise/partners/sap.html>

## SAP Service Marketplace

<http://service.sap.com/Adobe>

## Adobe Resources

<http://my.adobe.acrobat.com/IFSIntroduction>

# Basic Installation and Configuration Guides

- SAP Interactive Forms Installation Guide - Explains how to install Adobe Document Services on the SAP Web Application Server:
  - <https://www.sdn.sap.com/irj/servlet/prt/portal/prtroot/docs/library/uuid/2adb9bfb-0701-0010-75ac-bb20fc008aae>
- SAP Interactive Forms Configuration Guide - Explains how to configure the Adobe Document Services so they are available to Java and ABAP world as well as how to configure certificates and security:
  - <https://www.sdn.sap.com/irj/servlet/prt/portal/prtroot/docs/library/uuid/9e4e9afb-0701-0010-f8a8-b8cd093662c2>
- Both documentations are available to licensed SAP customers and partners on the SAP Service Marketplace.
- These guides help the customer to install and configure the Adobe Document Services on SAP Web Application Server. They do not cover how to develop forms based applications with SAP Interactive Forms by Adobe or how to integrate forms with existing applications.

# Basic Functional Documentation

- Basic documentation on the use of Web Dynpro and the SAP Interactive Form Object in Web Dynpro:
  - <https://www.sdn.sap.com/irj/servlet/prt/portal/prtroot/docs/library/uuid/4fd2d690-0201-0010-de83-b4fa0c93e1a9>
- Web Dynpro Sample Applications and Tutorials:
  - <https://www.sdn.sap.com/irj/servlet/prt/portal/prtroot/docs/library/uuid/49f2ea90-0201-0010-ce8e-de18b94aee2d>
- Basic documentation on the use of ISR and SAP Interactive Forms:
  - [http://help.sap.com/saphelp\\_erp2005/helpdata/en/42/f064717e203ee4e10000000a1553f6/frameset.htm](http://help.sap.com/saphelp_erp2005/helpdata/en/42/f064717e203ee4e10000000a1553f6/frameset.htm)
- Basic documentation on SAP Interactive Forms and Guided Procedures:
  - [http://help.sap.com/saphelp\\_nw2004s/helpdata/en/c4/8d4a4273bb3830e10000000a155106/frameset.htm](http://help.sap.com/saphelp_nw2004s/helpdata/en/c4/8d4a4273bb3830e10000000a155106/frameset.htm)

# Q&A

**Matt Rodgers**

Adobe Systems

SAP Sales Manager

[mroddgers@adobe.com](mailto:mroddgers@adobe.com)

**Butch Mikell**

SAP America

Executive HR Application  
Sales

**Andre Salazar**

Adobe Systems

SAP Solution Architect

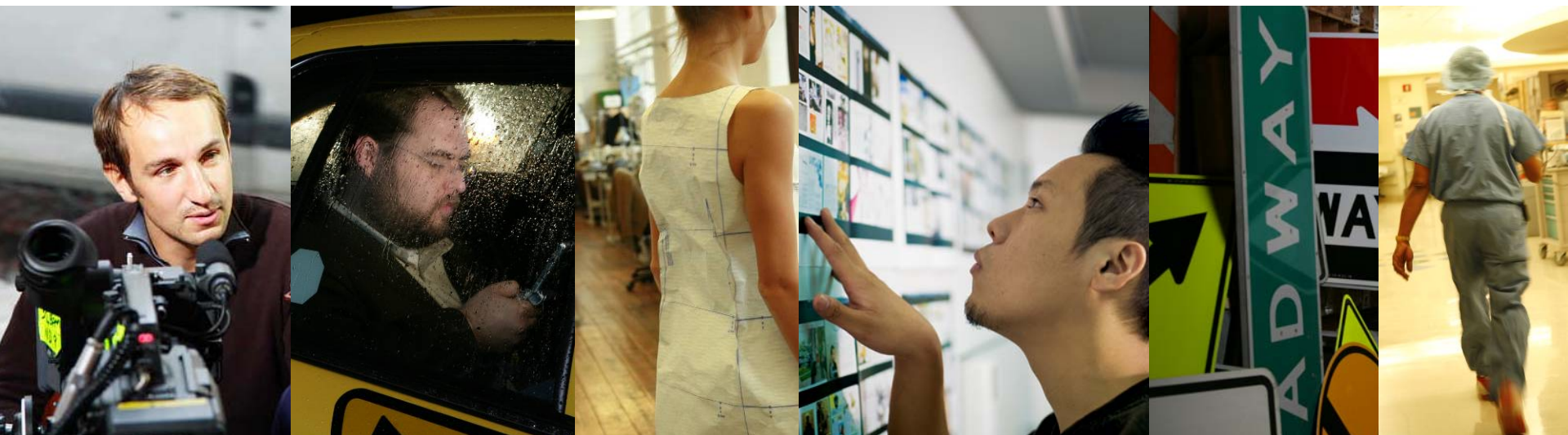
**John Brockman**

Adobe Systems

Senior Solutions Engineer

[brockman@adobe.com](mailto:brockman@adobe.com)





# **Revolutionizing** how the world engages with ideas and information

