

ORACLE®

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Oracle BI Publisher: Reporting for Oracle Applications

Mike Donohue
Director, BI Product Management

Hardware and Software
Engineered to Work Together

ORACLE
OPEN
WORLD

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

Who is here today?

How Many use

- JD Edwards EnterpriseOne?
- JD Edwards World?
- PeopleSoft Enterprise?
- E-Business Suite?
 - 11i or 12
- Siebel?
- Others?

Program Agenda

- Why use BI Publisher?
- How do I build a layout?
- Demo
- How can I use it in my application?
- What does BI Publisher Enterprise offer?
- Questions & Answers



Complete: For All Your Reports and Business Documents

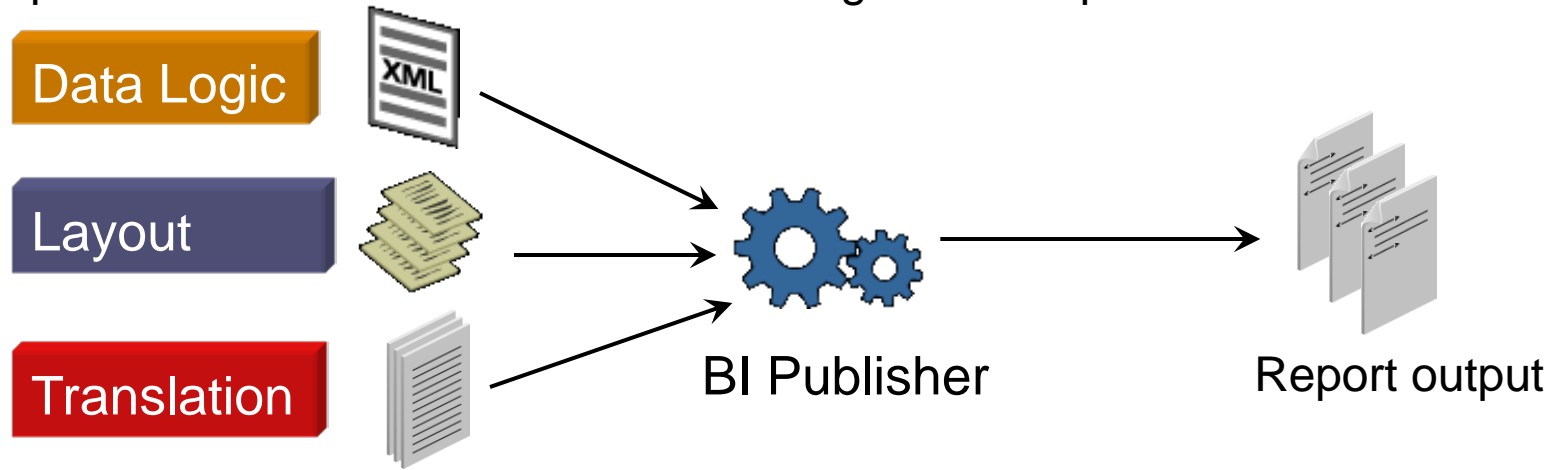
- ✓ Invoices
- ✓ Purchase Orders
- ✓ Correspondence
- ✓ Financial Statements
- ✓ Checks
- ✓ Shipping Labels
- ✓ Government Forms
- ✓ EFT & EDI
- ✓ Operational Reports
- ✓ Interactive Reports



BIP Architecture = Simplified Report Maintenance

Separate Data Logic, Layout, and Translation Benefits

- Greater flexibility and reuse
- Fewer reports are easier to maintain
- Optimize data extraction and document generation process



Better Managed

Gallup

Task Name	Scheduled Start	Scheduled Finish	January	February	March	April	May
Open World 2009	01-Jan-09	11-Oct-09					
Conference Planning	01-May-09	30-Sept-09					
Schedule Presenters	01-Sept-09	10-Oct-09					
Book Venues	24-Feb-09	10-Mar-09					
Print Media	12-Sept-09	20-Sept-09					
Send Out Conference Agenda	01-Oct-09	01-Oct-09					

Challenges:

- Cumbersome report repository
- Duplicate reports with minor layout changes and multiple translations

Requirements

- Event Docs: Surveys, Name Tags, Certificates

Results

- 200 Crystal reports to 30 Publisher reports (85% reduction)

GALLUP®

Avaliação do Seminário

Preencha esta Avaliação do Seminário e a encaminhe ao líder do seminário. Suas opções são extremamente importantes para nós.

Código do evento: 1111
 Título do seminário: OpenWorld
 Cliente: Oracle
 Nome do evento: OpenWorld 2009
 Local: San Francisco
 Data do programa: October 11-15, 2009
 Número do projeto: 111111

1. Classifique as seguintes afirmações, usando uma escala de 1 a 5 pontos, em que 1 significa Discordo totalmente e 5 significa Concordo totalmente.

	Discordo totalmente	1	2	3	4	5	Concordo totalmente
a. Usarei em meu trabalho o que aprendi neste seminário.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Recomendaria este seminário a outras pessoas.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

2. Classifique as seguintes afirmações, usando uma escala de 1 a 5 pontos, em que 1 significa Baixa e 5 significa Alta.

	Baixa	1	2	3	4	5	Alta
a. Como você classificaria Smith, John como Líder de Seminário?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Como você classificaria Smith, Mike como Líder de Seminário?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. Como você classificaria Smith, Scott como Líder de Seminário?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d. Como você classificaria Smith, Sally como Líder de Seminário?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
e. Como você classificaria Smith, Jim como Líder de Seminário?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
f. Como você classificaria Smith, Joan como Líder de Seminário?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
g. Como você classificaria este seminário em termos gerais?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

ng for Excellence III

October 11, 2009

cient human talent to provide the world with sophisticated, als can express their talents and in so doing benefit others.

<p>John</p> <p>Smith</p> <p>Oracle</p> <p>OpenWorld 2009 October 11-17, 2009</p>	<p>Sally</p> <p>Smith</p> <p>Oracle</p> <p>OpenWorld 2009 October 11-17, 2009</p>
<p>Mike</p> <p>Smith</p> <p>Oracle</p> <p>OpenWorld 2009 October 11-17, 2009</p>	<p>Jim</p> <p>Smith</p> <p>Oracle</p> <p>OpenWorld 2009 October 11-15, 2009</p>
<p>Scott</p> <p>Smith</p> <p>Oracle</p> <p>OpenWorld 2009 October 11-15, 2009</p>	<p>Joan</p> <p>Smith</p> <p>Oracle</p> <p>OpenWorld 2009 October 11-15, 2009</p>

Faster & Easier Development



MasterCard Worldwide

Challenges

- 90 days and 3 people (incl. 3rd party vendor) to implement POs
 - 50 Operating Units
 - Vendor Country Terms and Conditions
 - Send PO by Email or Fax
- ### Results
- RTF layouts designed by Business Analysts
 - 3 days and 1 person to implement POs
 - 12x faster w/ 1/3 fewer people

CUST ACCOUNT NO	VENDOR NO	DATE OF ORDER	BUYER	REVISION DATE
123301	123301	23-APR-2009	Chen Chang	
PAYMENT TERMS		SHIP VIA		FOB
Immediate				
FREIGHT TERMS		REQUESTOR NAME		CONTACT
Free Freight		Kaoru Motoyama		

LINE	DESCRIPTION	DATE RECEIVED	QUANTITY	UOM	UNIT PRICE	AMOUNT	TAX
1	Sho Michi SHIP TO: MCI Japan CERULEAN TOWER 16F 26-1 SAKURAGAKRA-CHO, SHIBUYA-KU, Tokyo, 150 Japan	23-MAY-09	26674	Each	1.00	26,674.00	N
						TOTAL	26,674.00 JPY

IMPORTANT: Packing List with PO Number MUST be prominently displayed on OUTSIDE of carton for all deliveries. Failure to do so will result in payment delays.

Special Information

The Terms & Conditions - Standard
This order is placed by Purchaser subject to Seller's assent to the terms, conditions, and instructions on the face and reverse sides hereof, and by accepting this order, to accept this order, Seller must execute the acknowledgment copy of this order and return it to Purchaser. Purchaser hereby expressly agrees to each element of additional time inserted by Seller in the acceptance of this order. No additions or modifications hereto will be binding upon Purchaser unless agreed to in writing by a duly authorized representative of purchaser. Specifications, drawings and data submitted to Seller with this purchase order are part of this order.

Instructions to Vendor
• Packing slip must accompany all shipments and be placed on the outside of the box.
• Packing list and invoices must reflect purchase order.

By: (Print Name)
MasterCard International, Japan Inc.

A - MasterCard Purchase Orderの取引条件

- 本表上の任意事項は、
- 本表はマスターカードグループの一環としての取引条件であり、本カード取引には本表のみに準拠するが、買手が他の任意の条件を提示する場合は、適用される条件を明記する必要がある。
- 本表の記載事項は買手が提出するが、買手が提出する内容に不備がある場合は、買手が修正し、再提出する必要がある。
- 本表に記載する内容のうち、買手が提出する内容については、買手が提出する内容が適用されるが、買手が提出する内容が適用されない場合は、買手が提出する内容が適用される。
- 本表に記載する内容のうち、買手が提出する内容については、買手が提出する内容が適用されるが、買手が提出する内容が適用されない場合は、買手が提出する内容が適用される。
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（A/P Region）及び RPO の承認を得たうえで、Regional Finance Department のみが更新することとする。



BI Publisher Delivered with Oracle Applications

Limited Use License

Applications Unlimited Product	First Available in
Oracle E-Business Suite	Release 11.5.10
PeopleSoft Enterprise	PeopleTools 8.48
JD Edwards EnterpriseOne	Tools Release 8.96
JD Edwards World	Release A7.3
Oracle Siebel	Release 8.1.1

BI Publisher with Many Oracle Products

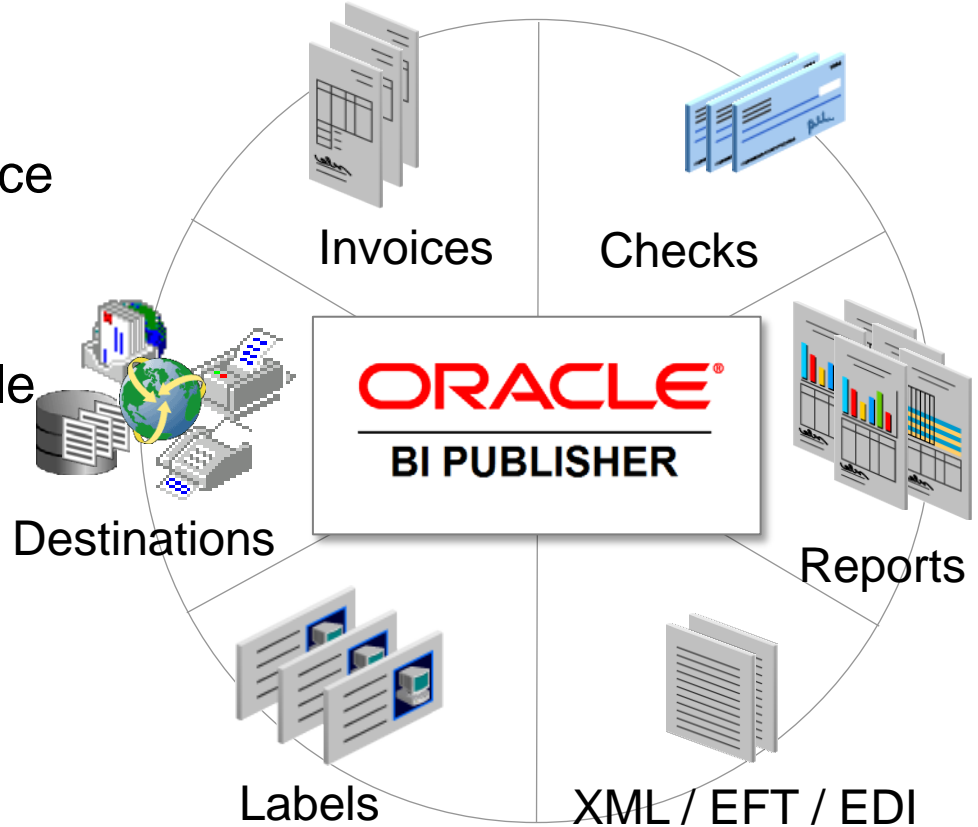
- Oracle Identity Management
- Oracle Life Sciences AERS
- Oracle Life Sciences Data Hub
- Oracle FLEXCUBE Universal Banking
- i-Flex FLEXCUBE Retail
- Oracle FLEXCUBE Direct Banking
- Oracle Reveleus
- Oracle Mantas
- Agile Product Lifecycle Management for Process
- Agile Product Lifecycle Management
- Oracle Hyperion Planning
- Oracle Hyperion Financial Management
- Oracle Application Express (APEX)
- Oracle SOA Governance
- Oracle Retail
- Oracle Global Risk & Compliance
- iFlex FLEXCUBE – IFLEX Reinsurance
- Oracle FLEXCUBE Lending and Leasing
- Oracle Communications Applications
- Oracle Transportation Management
- Oracle Insurance Insbridge Rating and Underwriting
- Enterprise Manager - Configuration Change Console
- Oracle Primavera Enterprise

And... don't forget **Oracle** Fusion Applications

BI Publisher – One Environment ...

- A **complete** reporting solution
- Architecture **simplifies** maintenance
- **Easy-to-use** tools empower business users
- Already **included** with many Oracle products

- *Removes Complexity*
- *Reduces Maintenance Cost*



Program Agenda

- Why Use BI Publisher?
- **How Do I Build a Template?**
- Demo
- How Can I Use It with My Application?
- What Does BI Publisher Enterprise Offer?
- Questions & Answers



Layout

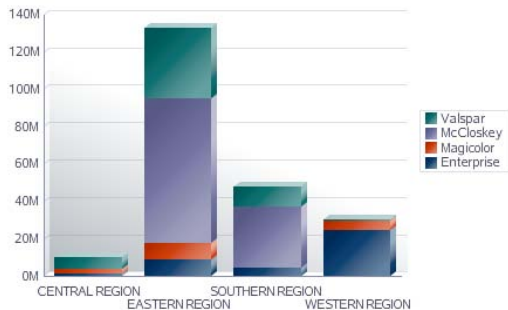
Defines how your data is displayed

```

- <ROWSET>
  - <ROW>
    <Type>COATINGS</Type>
    <Brand>Enterprise</Brand>
    <Region>CENTRAL REGION</Region>
    <District>CHICAGO DISTRICT</District>
    <Year>2000</Year>
    <Sales>1555548.0</Sales>
  </ROW>
- <ROW>
  <Type>COATINGS</Type>
  <Brand>Enterprise</Brand>
  <Region>EASTERN REGION</Region>
  <District>NEW YORK DISTRICT</District>
  <Year>2000</Year>
  <Sales>1409228.0</Sales>
</ROW>
  
```



BRAND	REGION	DISTRICT	REVENUE
Enterprise	EASTERN REGION	YOUNGSTOWN DISTRICT	7,798,224
		REGION TOTAL	7,798,224
Magicolor	CENTRAL REGION	KANSAS CITY DISTRICT	2,671,080
		REGION TOTAL	2,671,080
	EASTERN REGION	BOSTON DISTRICT	4,375,600
		PHILADELPHIA DISTRICT	2,546,132
		REGION TOTAL	6,921,732
McCloskey	SOUTHERN REGION	ATLANTA DISTRICT	5,231,612
		REGION TOTAL	5,231,612
Valspar	SOUTHERN REGION	CHARLOTTE DISTRICT	293,986
		JACKSONVILLE DISTRICT	6,262,444
		GRAND TOTAL	37,439,010



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500 Oracle Parkway
Redwood Shores, CA 94065
USA

Detailed Revenue Report

Year 1998 Revenue

The total revenue for year 1998 is 37,439,010.00.

Product Category COATINGS

The total revenue for the product category COATINGS is 37,439,010.00.

Enterprise

The total revenue for the brand Enterprise is 7,798,224.00.

Region	District	Revenue (USD)
EASTERN REGION	YOUNGSTOWN DISTRICT	7,798,224.00
	Total	7,798,224.00

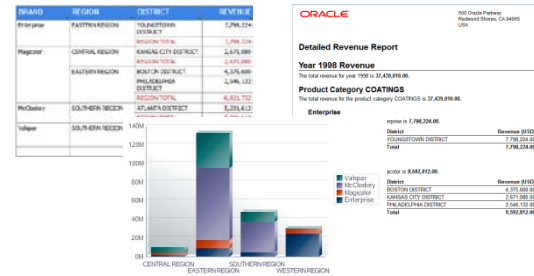
Magicolor

The total revenue for the brand Magicolor is 9,592,812.00.

Region	District	Revenue (USD)
EASTERN REGION	BOSTON DISTRICT	4,375,600.00
CENTRAL REGION	KANSAS CITY DISTRICT	2,671,080.00
EASTERN REGION	PHILADELPHIA DISTRICT	2,546,132.00
	Total	9,592,812.00

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Supported Layout Types



All Applications

- Microsoft Word (RTF)
- Adobe Acrobat (PDF)
- XSL-FO
- eText

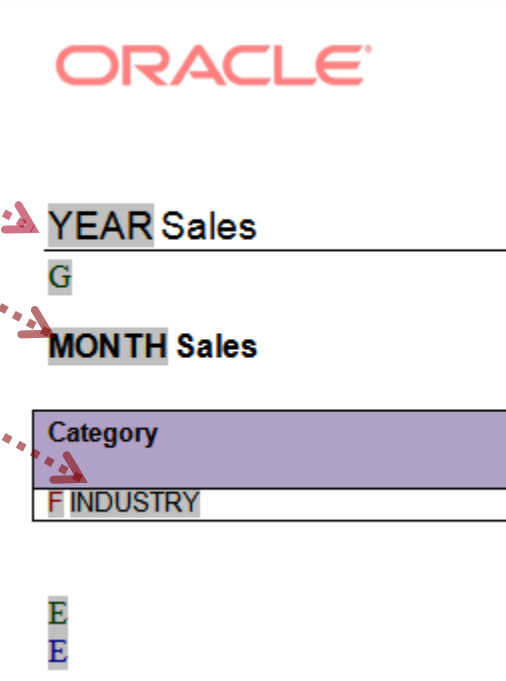
Enterprise Applications

- Layout Editor
- Excel
- Flash

Design Layouts by Mapping Data to Location in Template

```

- <ROWSET>
- <ROW>
  <INDUSTRY_ID>441</INDUSTRY_ID>
  <INDUSTRY>Motor vehicle & parts</INDUSTRY>
  <YEAR>2007</YEAR>
  <MONTH>March</MONTH>
  <SALES>75770</SALES>
</ROW>
- <ROW>
  <INDUSTRY_ID>442</INDUSTRY_ID>
  <INDUSTRY>Furniture & home furn</INDUSTRY>
  <YEAR>2007</YEAR>
  <MONTH>March</MONTH>
  <SALES>8804</SALES>
</ROW>
- <ROW>
  <INDUSTRY_ID>443</INDUSTRY_ID>
  <INDUSTRY>Electronics & applianc</INDUSTRY>
  <YEAR>2007</YEAR>
  <MONTH>March</MONTH>
  <SALES>8292</SALES>
  
```



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2006 Sales

March Sales

Category	Sales (In thousand USD)
Motor vehicle & parts dealers	\$73,458
Furniture & home furnishings stores	\$8,655
Electronics & appliance stores	\$7,752
Building material & garden eq. & supplies dealers	\$25,385
Food & beverage stores	\$40,854
Health & personal care stores	\$16,977
Gasoline stations	\$25,167
Clothing & clothing accessories stores	\$15,917
Sporting goods, hobby, book & music stores	\$5,592
General merchandise stores	\$41,482
Miscellaneous store retailers	\$8,781
Nonstore retailers	\$18,353
Food services & drinking places	\$31,164

February Sales

Category	Sales (In thousand USD)
Motor vehicle & parts dealers	\$71,554
Furniture & home furnishings stores	\$8,418
Electronics & appliance stores	\$7,710
Building material & garden eq. & supplies dealers	\$23,145
Food & beverage stores	\$40,449
Health & personal care stores	\$16,560
Gasoline stations	\$25,018
Clothing & clothing accessories stores	\$15,611
Sporting goods, hobby, book & music stores	\$5,672
General merchandise stores	\$40,869
Miscellaneous store retailers	\$8,648
Nonstore retailers	\$18,505
Food services & drinking places	\$30,803

Layout Design Tools

Template Builder for Microsoft Word Add-in

Load Data Insert Components Preview Validate

Finished_natu.rtf - Microsoft Word

Home Insert Page Layout References Mailings Review View Acrobat BI Publisher

Log Off Upload Template As XML Schema Table Wizard Pivot Table Chart Field Conditional Format PDF Excel2000

Open Save XML Data Sample XML Table/Form Conditional Region HTML RTF

Upload Template Load Data Repeating Group All Fields Excel PowerPoint Validate Template Export

Online Log On Field Browser Translation

Options Help About

ORACLE

Invoice

Invoice Address

<?C_BILL_TO_CONCATENATED?>

Field

Find Find Next

- Data Ds
 - G 1
 - Buyer
 - Cust Co
 - Hos Num
 - Street
 - City
 - State
 - Zip
 - Country
 - Cust Key
 - Address Key
 - G 2
 - Brand
 - Order

Example

Calculation On Grouping

Force LTR Direction

Insert Close Help

Layout Design Tools

Adobe Acrobat Professional

The screenshot displays the Adobe Acrobat Professional interface. On the left, the XML data is shown with the following content:

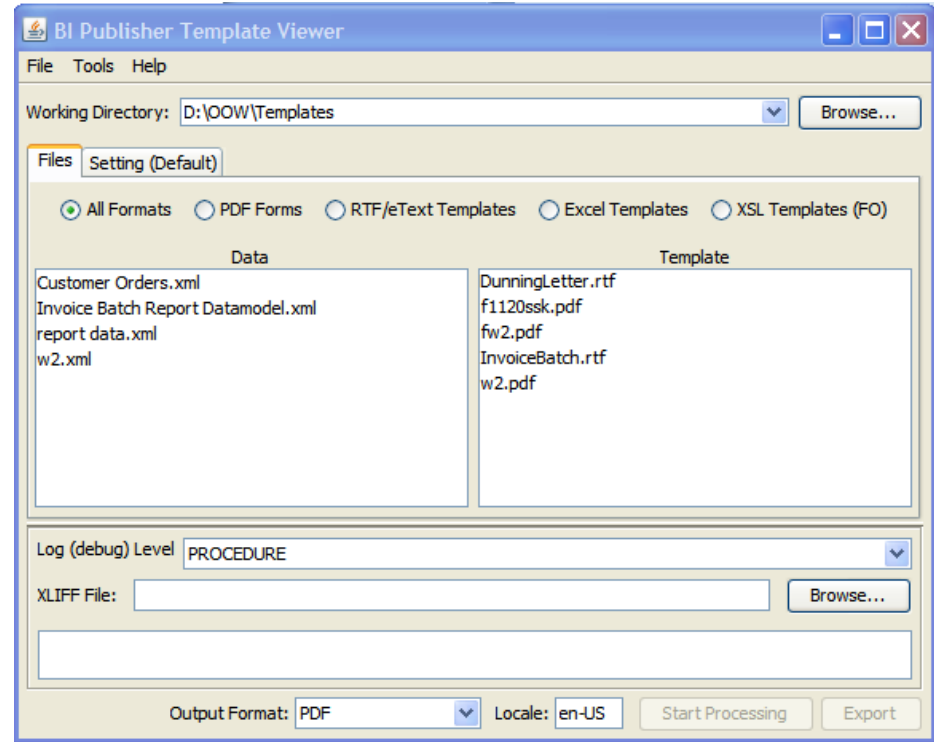
```
<?xml version='1.0' encoding='UTF-8'?>
<k-1 data>
  <final>True</final>
  <amended>false</amended>
  <year_beginning>2011</year_beginning>
  <year_ending>2012</year_ending>
  <year>2012</year>
  <employer_id>262828992</employer_id>
  <co_name>My Company</co_name>
  <irs_office>
  <shareholder>
  <topmostSubform[0].Page1[0].p1-f
```

The right side of the screenshot shows a PDF form titled "Schedule K-1 (Form 1120S) 2009". The form includes sections for "Shareholder's Share of Income, Deductions, Credits, etc." and "Part I Information About the Corporation". The "Part I" section contains fields for "A Corporation's employer identification number" and "B Corporation's name, address, city, state, and ZIP code". The "employer_id" field is highlighted with a black box, and the "co_name" field is also highlighted. The PDF form is displayed on a grid with a ruler at the top.

- Assign Same Name From Element in Data to PDF Form Fields

Desktop Template Viewer

- BI Publisher Desktop includes the BI Publisher engine
- Test all your templates from your desktop using sample data
- Apply XLIFF translation files
- Creates log file for debugging



Web-Based Layout Editor

Available for Enterprise Applications

The screenshot shows the layout editor interface. On the left, a 'Data Source' tree lists fields like 'First Name', 'Last Name', 'Annual Salary', and 'Department'. The main workspace shows a chart titled 'Average Salary by Department' with a bar chart visualization. Below it, a 'Salary Details' table is visible, showing columns for 'Department', 'Full Name', and 'Title'. Red dashed arrows indicate the flow of data from the source to the chart and table.



The screenshot displays the 'Salary Report' output. It includes a pie chart titled 'Percentage Salary by Department' and a bar chart titled 'Average Annual Salary by Department'. Below the charts is a 'Salary Details' table with a dropdown menu set to 'Shipping'.

Percentage Salary by Department

Department	Percentage
Sales	46.11%
Executive	23.68%
Finance	7.813%
Purchasing	3.074%
Marketing	3.770%
Human Resources	1.514%
Public Relations	0.9843%
Shipping	0.6663%
Administration	2.877%
IT	5.148%
Accounting	3.770%

Average Annual Salary by Department

Salary Details

Department	Full Name	Title	Annual Salary
Manager	Kevin Mourgos	Manager	
Shipping	Donald O'Connell	Shipping Clerk	\$31,200
	Douglas Grant	Shipping Clerk	\$31,200
	Terna Rajs	Stock Clerk	\$42,000
	Curtis Davies	Stock Clerk	\$37,200
	Randall Matos	Stock Clerk	\$31,200
	Peter Vargas	Stock Clerk	\$30,000
	Alana Walsh	Shipping Clerk	\$37,200
	Kevin Feeney	Shipping Clerk	
	Jennifer Whalen	Administration Assistant	
	Susan Mavris	Human Resources Representative	

Demonstration

- Create and run an RTF template
 - Leverage Microsoft Word
 - BI Publisher's Template Builder for Word Add-in
 - Sample Data from your report
- Create and run a PDF template
 - Use Adobe Acrobat Professional
 - Sample Data from your report
 - BI Publisher's Template Viewer to test on your desktop (optional)

Demo

Program Agenda

- Why Use BI Publisher?
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JD Edwards **EnterpriseOne**

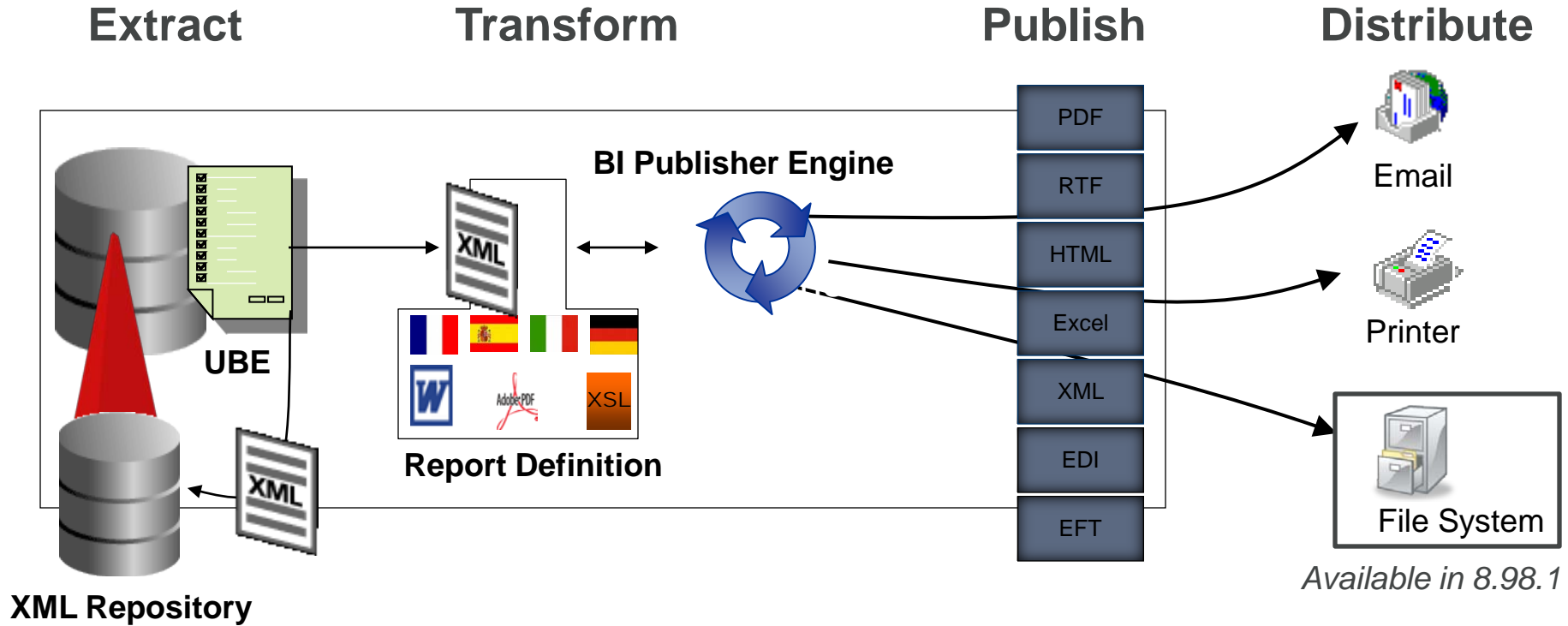
- How Is It Integrated?
- How Do I Use It?
- More Information?

JD Edwards EnterpriseOne Releases

Limited Use License

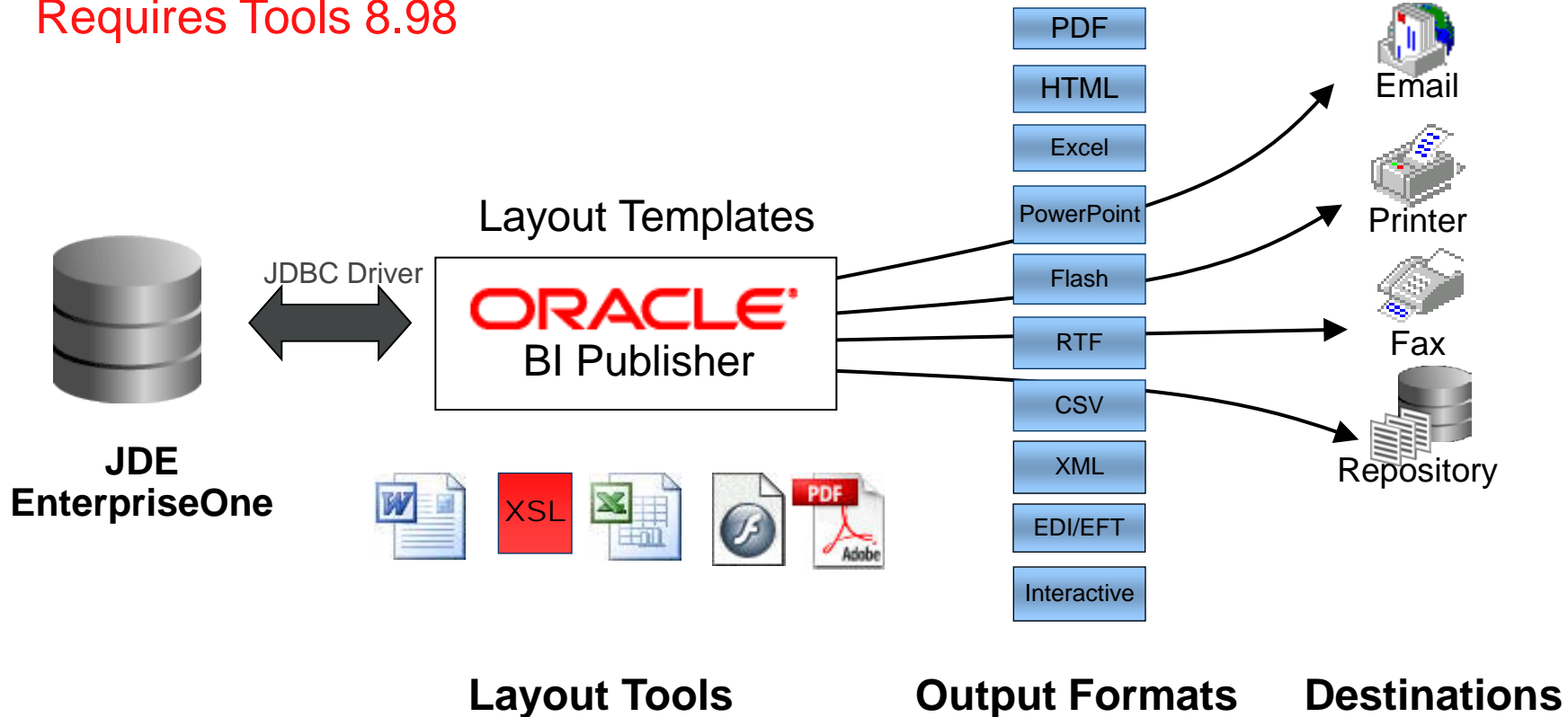
Release	What's Included
Tools Release 8.96	Embedded version Enables you to develop your own templates
Tools Release 8.98	EnterpriseOne JDBC Driver Connects to BI Publisher Enterprise server

Embedded BI Publisher



Interactive Reporting with BI Publisher

Requires Tools 8.9.8



When to Use Embedded or Interactive

8.98 Tools Single BIP Solution, Different Use Cases

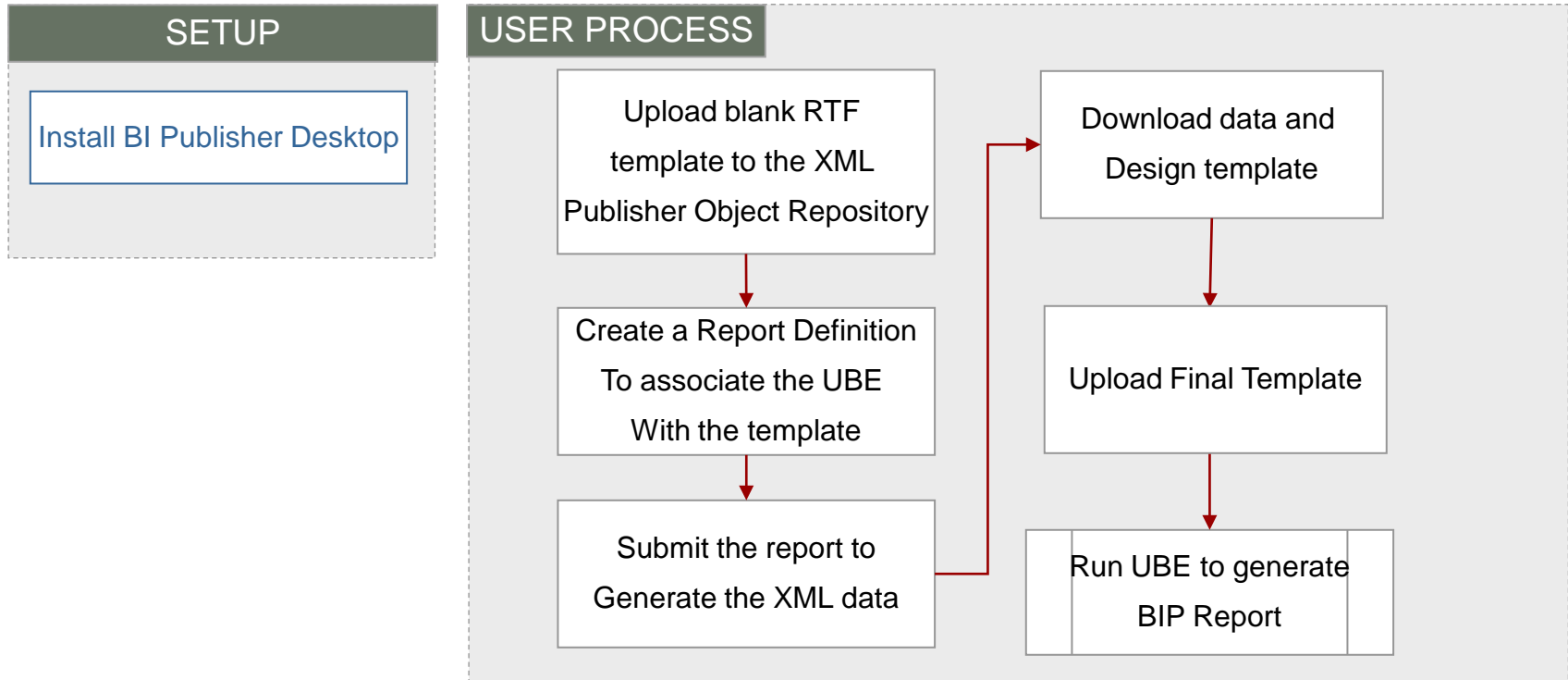
Embedded

- An event in JDE E1 triggers the report
- Need to update data in the database
- Data manipulation
- No user action

Interactive

- An event outside of JDE E1 triggers the report
- Read-only data
- Minimal data manipulation
- On demand

Embedded Setup and Report Process



Interactive Setup and Report Process

SETUP

Install BI Publisher Enterprise

Install and configure the data
Access (JDBC) driver

Install BI Publisher Desktop

USER PROCESS

Log in through
BI Publisher

Create a Data Model
(query) and generate data

Create Report Definition

Launch Layout Editor,
Design and Save Layout

No

Yes

Use
layout
editor?

Download data and
Design template

Upload Final Template

View Report in
BI Publisher

One View Reporting

#1 User Group Request

Operational Reporting Solution Designed for End Users



- What**
- Intuitive reporting solution enables end users to access and personalize transaction data into lists, charts, graphs and tables
 - Large library of pre-defined reports designed to answer the most common business questions

- Why**
- Providing end users access to the right data, in real time, leads to more effective decision making and improved productivity

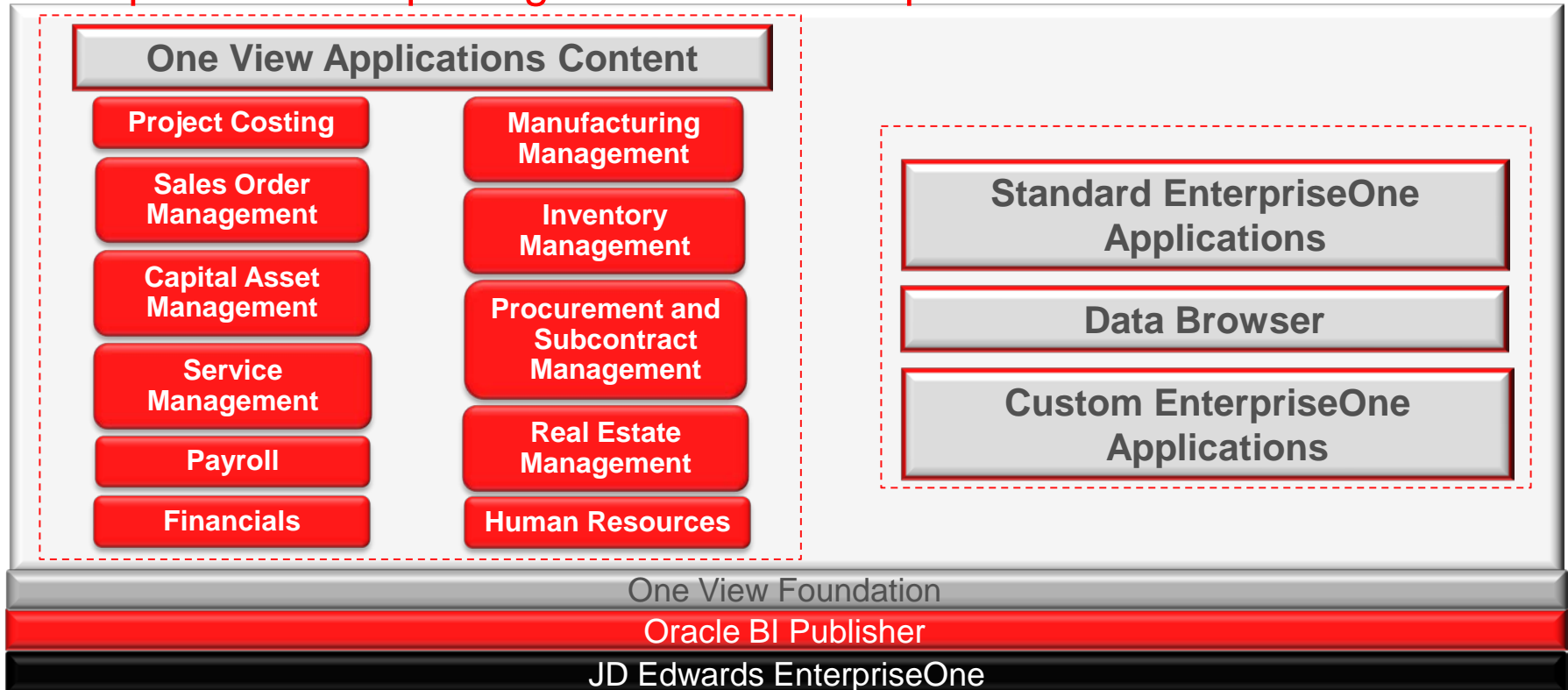
- How**
- Intuitive report creation leverages Interactive query applications powered by Oracle BI Publisher
 - Supports all EnterpriseOne modules
 - Supports custom EnterpriseOne query applications
 - Purpose built applications and reports

- Results**
- Report creation empowers end users, provides improved decision making, and reduces IT costs

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One View Reporting

Operational Reporting Across the Enterprise



For More Information

BI Publisher for JD Edwards EnterpriseOne



Start Here:

www.support.oracle.com

Search for Article ID: 789074.1

One View Reporting:

<http://www.oracle.com/us/products/applications/jd-edwards-enterpriseone/one-view-reporting/overview/index.html>

JD Edwards World

- How Is It Integrated?
- What Are the Features?
- More Information?

How Is It Integrated (A9.2)

Electronic Document Delivery is BI Publisher Gateway

- Uses Data Output from World Writer and DREAM Writer
- Combines that data with your report template
- EDD contains the BI Publisher APIs
 - No installation of BI Publisher is needed
- What's new:
 - More programs have been enabled for EDD
 - Java EDD for 11g with World A9.2 Update 1



Integration in A7.3 and A8.1

Use BI Publisher to Connect to World as Data Source

- Write a Query in BI Publisher to Generate the Data
 - The JDBC Driver enforces World security
- Create Report Template and Upload to BIP (or use Layout Editor)*
- Run Your Report in BI Publisher

*JDBC Driver 2.2 available in A9.2.1 to connect to 11g



JD Edwards World Release A9.2

Expanded Integration

- More DREAM Writer reports
 - MPS Planning Report -- Supplier Schedule Print
 - Invoices -- Purchase Orders
 - Quote Request
- FASTR and STAR reports
- Sample Templates for BI Publisher reports are available for users to begin working with

Sample Templates Provided

JD Edwards World

ORACLE JD EDWARDS WORLD		PURCHASE ORDER				43500 Page 1 of 1																																																								
Date:	08-02-2010																																																													
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For More Information

JD Edwards World



Start Here:

www.support.oracle.com

Search for Article ID: 789078.1

BI Publisher for JD Edwards World

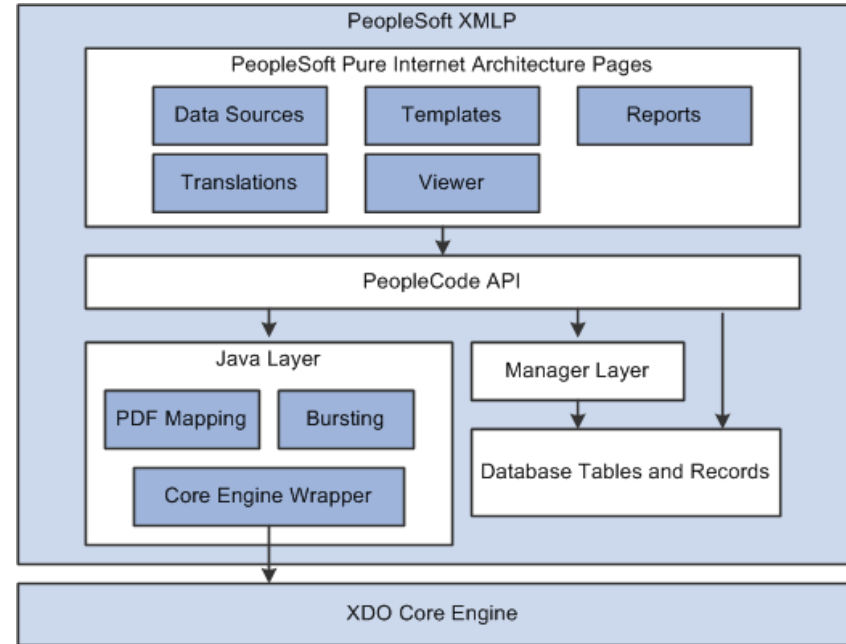
PeopleSoft Enterprise

- How Is It Integrated?
- How Do I Use It?
- What Are the Features?
- More Information?

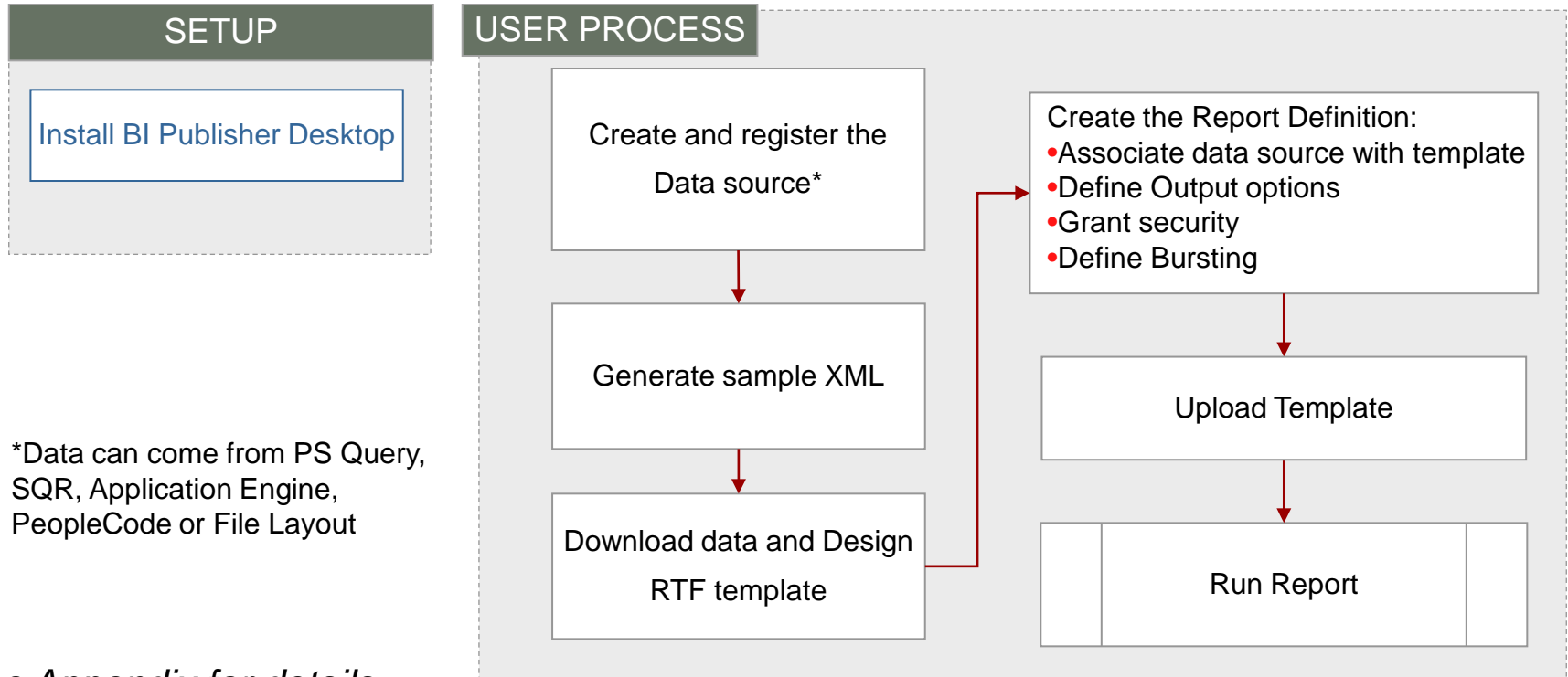
How Is It Integrated?

PeopleSoft Pure Internet Architecture pages for:

- Defining data sources
- Creating report definitions
- Managing templates
- Managing translations
- Viewing report output



How Do I Use It?



See Appendix for details

For More Information

PeopleSoft Enterprise



Start Here:

www.support.oracle.com

Search for Article ID: **1127534.1**

Oracle's PeopleTools 8.51 Documentation Home Page

Also see: Enterprise PeopleTools 8.51 PeopleBook: XML Publisher for PeopleSoft Enterprise

E-Business Suite

- How Is It Integrated?
- How Do I Use It?
- What Are the Features?
- More Information?

E-Business Suite Releases

Limited Use License

- First Embedded Version Delivered with 11.5.10*
 - 500 Templates delivered across products
 - Mostly Built on Oracle Reports
- In Release 12.1 All Reports Are BI Publisher
 - 2800 Templates
 - 2092 Data Sources (BI Publisher Data Templates)
 - Across 95 Products

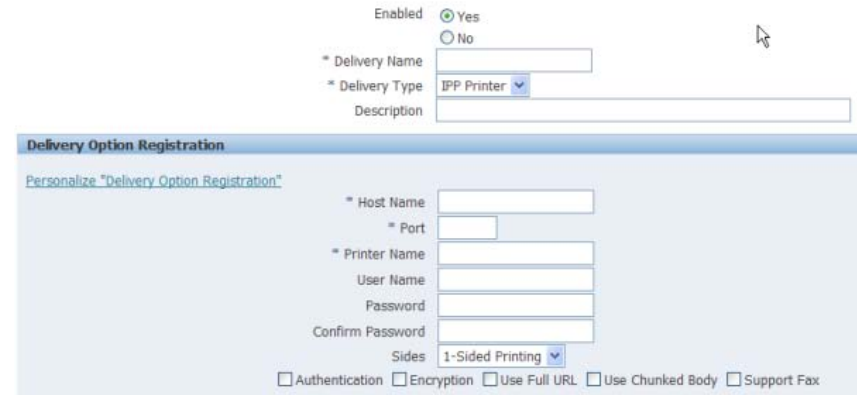
* Available as a patch for earlier versions

Release 12.1.3 Highlights

Integration with BI Publisher Delivery Manager!

- Reports can be automatically e-mailed, faxed, sent to an IPP Printer, or delivered using FTP or SFTP
- Set up IPP in the System Administration Interface for Print and Fax
- For e-mail, Use Profile Options
 - FND: SMTP Host
 - FND: SMTP Port
 - to set hostname and port of mail host
- FTP/SFTP Defined at submission

Create Delivery Option



The screenshot shows the 'Create Delivery Option' form in the Oracle BI Publisher System Administration Interface. A large black arrow points to the top of the form. The form is divided into two sections: 'Create Delivery Option' and 'Delivery Option Registration'.

Create Delivery Option Section:

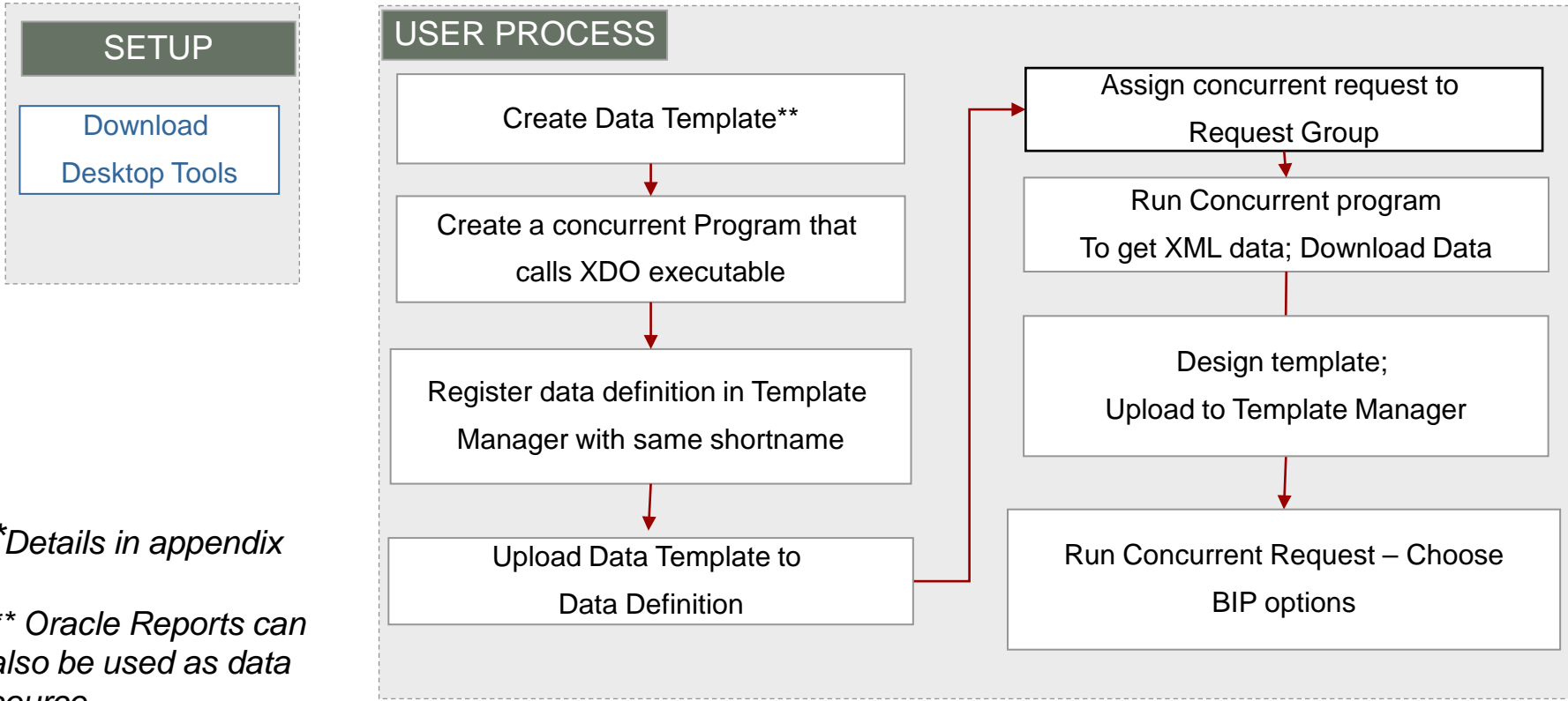
- Enabled: Yes, No
- * Delivery Name:
- * Delivery Type:
- Description:

Delivery Option Registration Section:

Personalize "Delivery Option Registration"

- * Host Name:
- * Port:
- * Printer Name:
- User Name:
- Password:
- Confirm Password:
- Sides:
- Authentication Encryption Use Full URL Use Chunked Body Support Fax

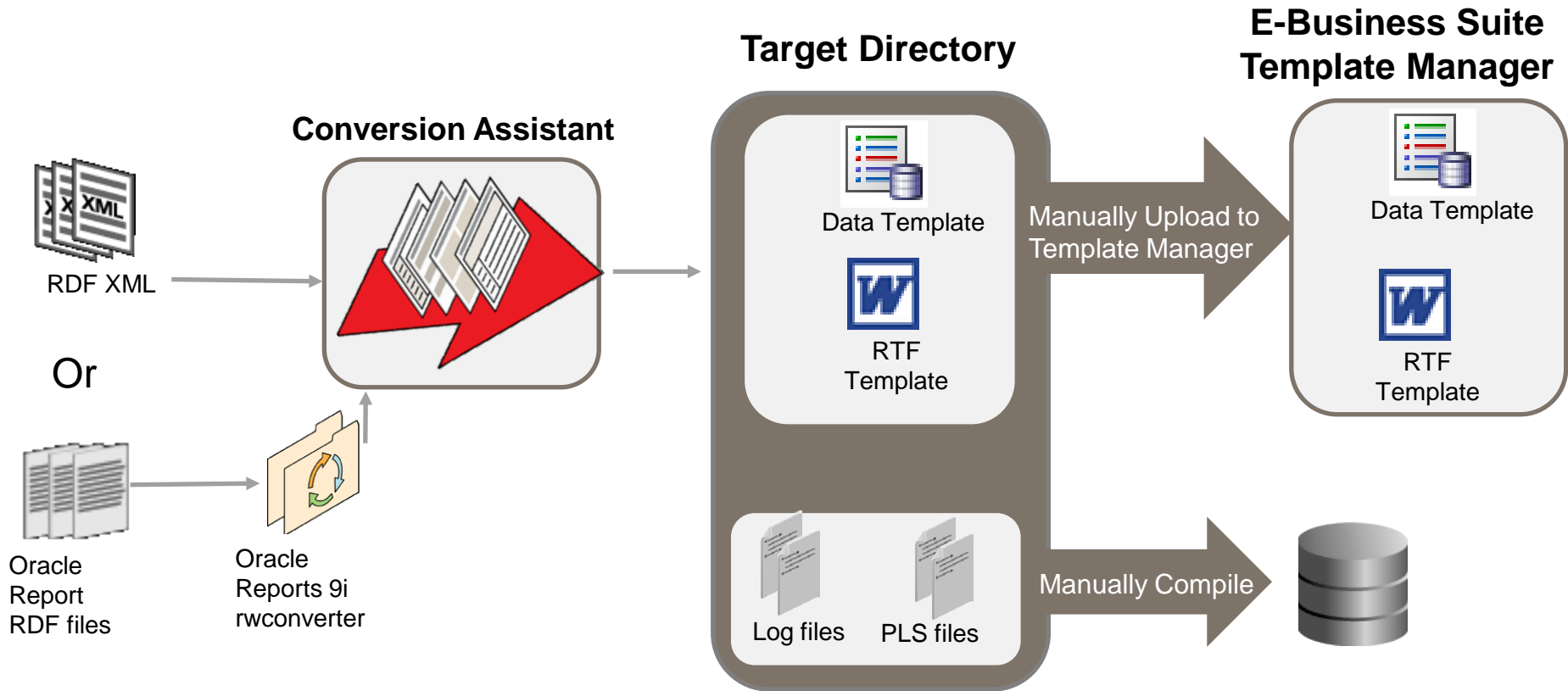
E-Business Suite Setup and Process*



*Details in appendix

** Oracle Reports can also be used as data source

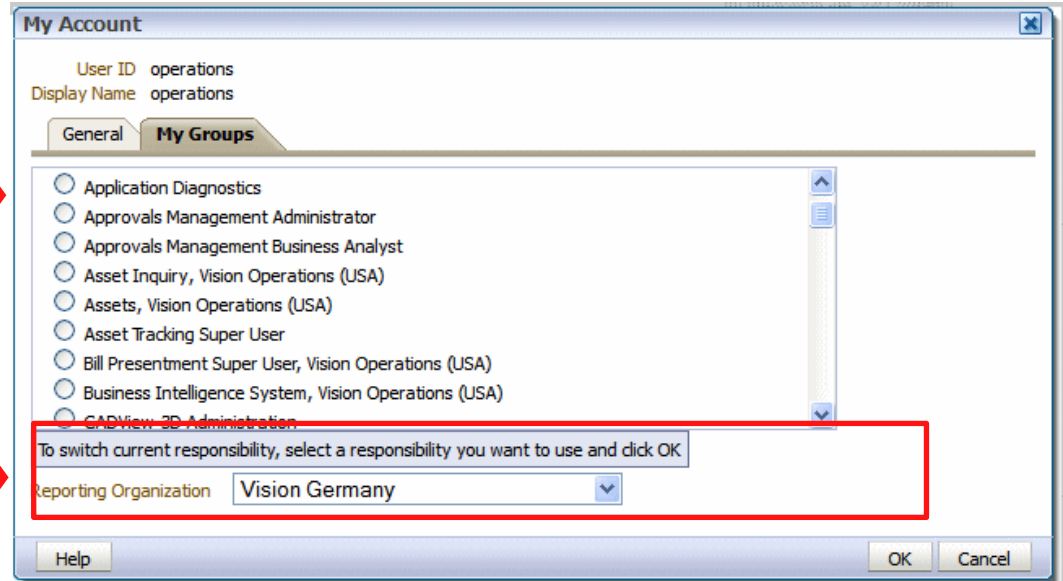
Conversion Assistant



E-Business Suite 11g Integration

Choose Responsibility When Logging in to BIP

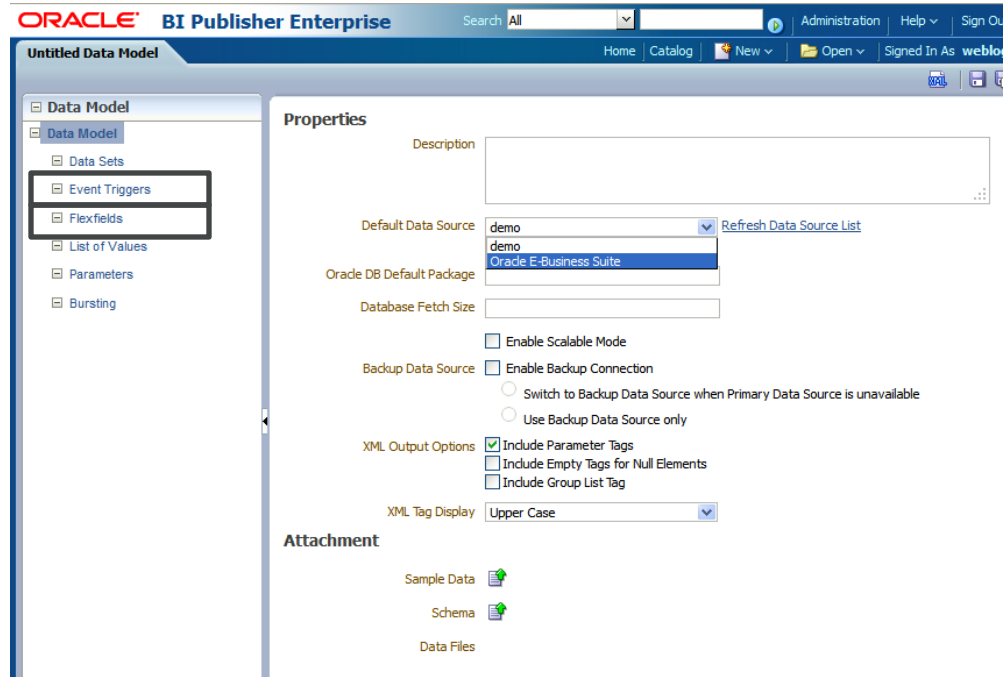
- Log in using EBS credentials
- Select/Change Responsibility
- Select/Change Reporting Organization (multi-org support added in 11.1.1.6)
- EBS Security Enforced



E-Business Suite 11g Integration

E-Business Suite Automatically Configured as Data Source

- Write queries against E-Business Suite Applications tables
- Combine with data from other sources
- Support for Flexfields and PL/SQL Event Triggers built into data model design



Support EBS Flexfields as Parameters

Planned Feature

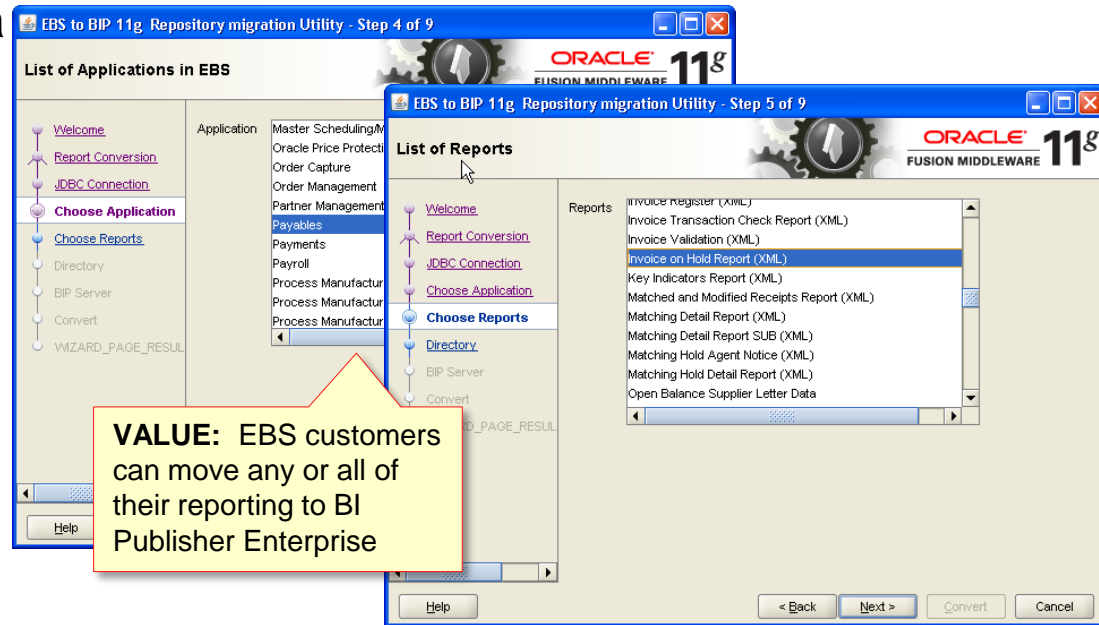
- Define parameters based on Flexfields in Data Model Editor
- Support parameters based on Flexfields in Report Viewer, Scheduler
- Support for Key Flexfields not Descriptive Flexfields

The screenshot displays the Oracle BI Publisher Enterprise interface. On the left, the 'Data Model Editor' shows a tree view with 'Data Model' expanded, containing 'Data Sets', 'Event Triggers', 'Flexfields', 'List of Values', 'Parameters', and 'Bursting'. The 'List of Values' section is selected, showing a table with columns 'Name', 'Type', 'Data Source', and 'Reorder'. The 'Name' column contains 'flex_Acclst', and the 'Type' column has a dropdown menu with 'FlexFields' selected. The main window shows a report viewer for 'Vision Operations Accounting Flexfield' with various parameters set, including Company, Department, Account, Sub-Account, and Product. A yellow callout box points to the report viewer with the text: **VALUE:** More E-Business Suite customers will be able to create and run more reports on BI Publisher Enterprise.

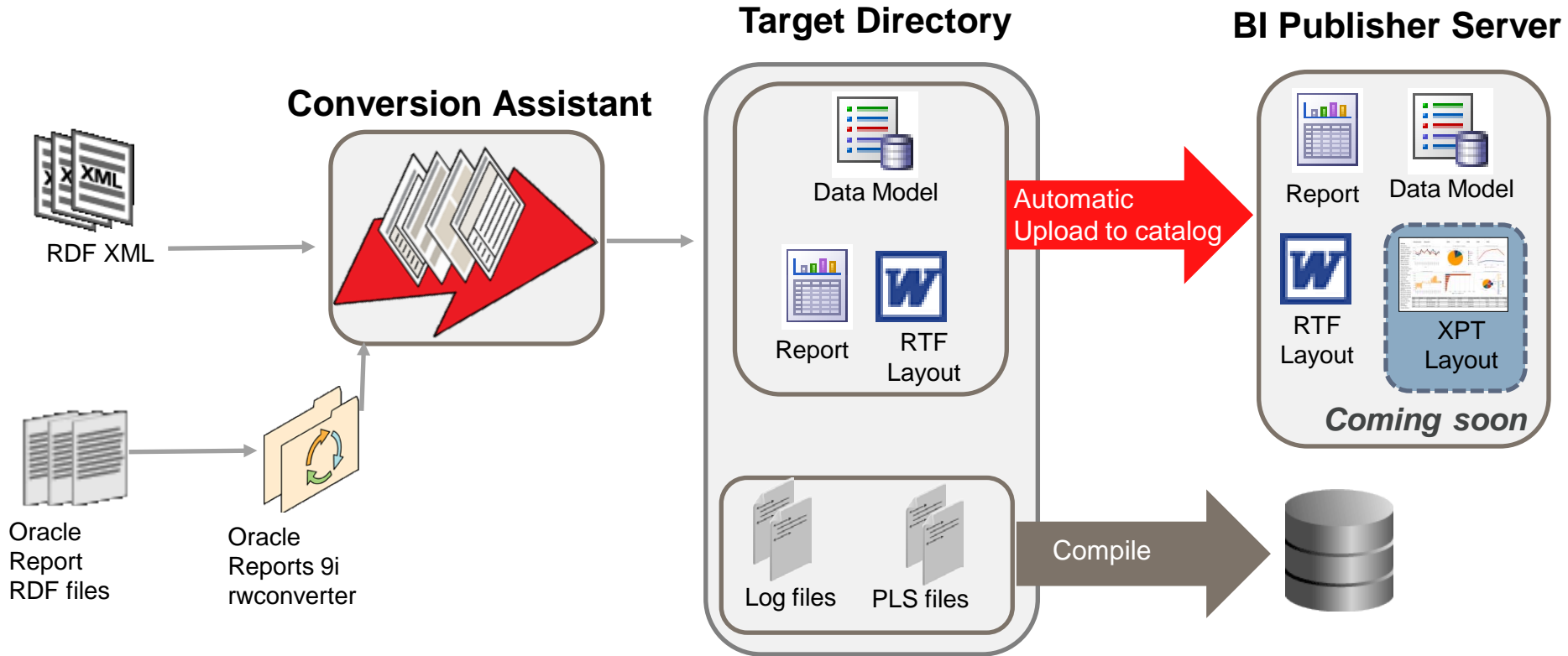
Convert EBS Catalog to BI Publisher

Planned Feature

- Converts XML Publisher Data Templates to Publisher 11g Data Models
- Creates an 11g report to hold layouts
- Uploads directly to catalog



Enterprise Conversion Assistant




Siebel CRM

- How Do I Use It?
- What Are the Features?
- What's Coming?

Steps for Creating a BI Publisher Report

1. From Admin View Generate XML Data
2. Create Template
3. Upload Template
4. Associate with Integration Object
5. Associate report with a View
6. Run Report



The screenshot displays a web browser window titled 'Siebel Call Center - Internet Explorer'. The main content area shows the Oracle logo at the top, followed by the report title 'Opportunity List Report Demo'. Below the title is a table with five columns: Account, Name, Win %, Sales Stage, and Revenue. The table contains 15 rows of data representing various accounts and their associated opportunities.

Account	Name	Win %	Sales Stage	Revenue
	Agee - \$535K Homeowner Policy	40%	01 - Inquiry	500
	Appleton - Checking	60%	05 - Activated	1000
Adams Marketing Resources, Inc.	Adams - \$100 MM IPO	60%	06 - Short List	7000000
Addison Cabinet Co.	Addison SB Loan	50%	07 - Loan Is Booked	5000
Addison Mfg. - Redding	Adjustable Rate Mortgage Oppty - Green USD 450K	0%	04 - Processing	275000
Atherton Group	Agee - \$450K Mortgage Application	5%	01 - Qualification	450000
Atherton Group	Agee - \$20K Premium Savings	0%	03 - Submitted	0
Baird Distributors	Adjustable Rate Mortgage Oppty - Franklin USD 600K	0%	Lost / Declined	330000
Dooley Law Firm LLC	Adjustable Rate Mortgage Oppty - Aarons USD 270K	0%	Lost / No Decision	400000
Dooley Law Firm LLC	Adjustable Rate Mortgage Oppty - Boyd USD 300K	0%	Lost / Declined	400000
Kingston Systems	Adjustable Rate Mortgage Oppty - Axelson USD 150K	0%	01 - Inquiry	2500000
Parker Hospital	Agee - Checking Account Application	0%	04 - Opportunity	0
Western Supply Company	Adam's request for credit card line increase	50%	03 - Qualification	20000

Key Enhancements

8.1.1.5 Fix Pack

- Security enhancements, most security & topologies possible
 - LDAP, ADSI, OSSO, BI Security, BI Publisher Security, SSL, Siebel Security WS
- New Parameterized reporting feature
- Select records reports (parent, child, multi select row)
- Template and reports sharing by position or organization
- Complete multilingual reporting solution
 - Multilingual reports from a single language Application Object Manager (server component)

**8.1.1.5 solution
also available in
8.0.0.12 and 8.2.2.**

Future Enhancements

8.1.1.6 - Forward

- Enhanced My Reports view
- Administration reports from My Reports View
 - Report usage, per user, performance statistical analysis
 - System Administration reports
- Report Business Service enhancements
 - Delivery channels, scheduling,
 - bursting, attach to entity

The screenshot displays the 'My Reports' interface. At the top, there are tabs for 'My Reports', 'Menu', 'Delete', and 'Query'. Below this is a table listing various reports with columns for Report Name, Created Date, Owner, Status, File Size, Output Type, Report Access, and Query String. The first report, 'xyz', is highlighted in yellow. Below the table, there is a 'Report Parameters' section with a 'Menu' dropdown. This section contains several input fields and dropdown menus for configuring the report: Report Name (xyz), Status (Success), Created Date (8/10/2011 04:18:03 AM), Error Message, Output Type (PDF), Owner (SADMIN), Start Time (8/10/2011 04:18:03 AM), Task ID (15728668), Locale (ENU), Report Access (SADMIN), End Time (8/10/2011 04:18:28 AM), File Size (4,004), Description, Query String (([Name] LIKE '*')), Tags, and Bookmark (Account_Search = '([Name] LIKE '*')' Account.Sort = Name (ASCENDING), Location).

Report Name	Created Date	Owner	Status	File Size	Output Type	Report Access	Query String
xyz	8/10/2011 04:18:03 AM	SADMIN	Success	4,004	PDF	SADMIN	([Name] LIKE '*')
abcd	8/10/2011 03:56:23 AM	SADMIN	Success	4,001	PDF	SADMIN	([Name] LIKE '*')
sample	8/10/2011 03:33:15 AM	SADMIN	Success	4,002	PDF	SADMIN	([Name] LIKE '*')
customname	8/10/2011 02:35:18 AM	SADMIN	Success	4,002	PDF	SADMIN	([Name] LIKE '*')
abcd efgh	8/9/2011 11:38:49 PM	SADMIN	Success	3,196	RTF	SADMIN	([Name] LIKE '*')
calendar report cust nam	8/5/2011 06:17:33 AM	SADMIN	Success	3,077	PDF	SADMIN	((Description) = '*@*0*10*6*1*10*5*modId2*1515%')
Calendar re	8/5/2011 06:16:43 AM	SADMIN	Success	3,077	PDF	SADMIN	((Description) = '*@*0*10*6*1*10*5*modId2*1515%')
Calendar re	8/5/2011 04:34:33 AM	SADMIN	Success	3,077	PDF	SADMIN	((Description) = '*@*0*10*6*1*00*5*modId2*1515%')
Calendar re	8/5/2011 04:31:34 AM	SADMIN	Success	2,755	PDF	SADMIN	
Calendar re	8/5/2011 04:16:51 AM	SADMIN	Success	2,753	PDF	SADMIN	

Program Agenda

- Why use BI Publisher?
- How do I build a layout?
- How can I use it with my application?
- **What Does BI Publisher Enterprise Offer?**
- Questions & Answers



Integration with Enterprise 11g

By Application

Applications Unlimited Product	11g Integration Status
Oracle E-Business Suite	EBS Security Available, Support for multi-org (Reporting Organization) added in 11.1.1.6 Flexfield as Parameters Enhancements (planned) EBS to Catalog Conversion Utility (planned)
PeopleSoft Enterprise	Integration planned
JD Edwards EnterpriseOne (8.48.4)	OneView Reporting JDBC driver supports 11g (11.1.1.6)
JD Edwards World	JDBC Driver (2.2) supports 11g (11.1.1.6)
Oracle Siebel	Already uses 10g server, integration planned with 11g

Online Layout Editor

- Drag and drop report elements
- Create layouts within your browser
- Supports same outputs as RTF

Employee Salary Report : Untitled

Data Source

- ROWSET
 - Employees
 - Name
 - First Name
 - Last Name
 - Monthly Salary
 - Annual Salary
 - Federal_Tax_Withheld
 - Title
 - Department
 - Manager

Table Column Header

Name	Title
Neena Kochhar	Administration Vice President
Lex De Haan	Administration Vice President
Alexander Hunold	Programmer
Bruce Ernst	Programmer
David Austin	Programmer
Valli Pataballa	Programmer
Diana Lorentz	Programmer
Nancy Greenberg	Finance Manager
Daniel Faviet	Accountant
John Chen	Accountant

Interactive Reports

Features

- Collapsible regions to focus on the data you want to see
- Pop ups to see detail data over graphs and charts
- Ability to select different values for repeating sections
- Excel-style filtering and sorting in tables and pivot tables
- Fixed headers and total rows with scrolling data



BI Publisher Enterprise Added Benefits

- Layout Tools
 - Online Layout Editor
 - True Excel Templates
- Data Model Editor
- More Data Sources
 - CSV Files (planned), Local Excel files; combine with corporate data
 - Web services, BI Analyses, LDAP, OLAP, HTTP
- Output
 - Interactive -- PDF/A
 - Mobile -- PDF/X

BI Publisher Trial Edition

Downloads and installs in about 60 minutes

- Fully-functional evaluation version BI Publisher Enterprise 11.1.1.6.0
- Includes self-contained WebLogic Server and Java Derby database
- Full suite of sample reports
- Connect to your data sources and delivery servers to try it on your data today

[Available from OTN](#)

ORACLE[®] Business Intelligence Publisher

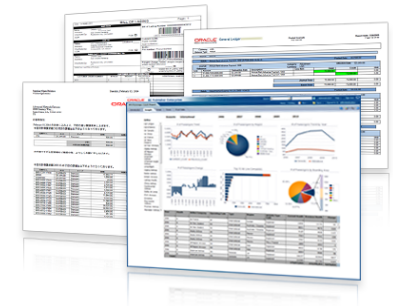
NEXT STEPS

BI Publisher is Oracle's enterprise reporting solution to author, manage and deliver all your reports and documents. To get started, open the Sample Reports, follow the Getting Started tutorial or watch the BI Publisher demo videos.

[See Sample Reports](#)

[Sign In to BI Publisher](#)

[Buy Now](#)



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More Good Stuff

BI Publisher Demo Pod: Moscone South, right - S262

What	Where	When
CON9514: Oracle BI Publisher Best Practices	Moscone South - 305	Wed 3-Oct 3:30 - 4:30 pm
HOL10461: Building Reports and Data Models in Oracle BI Publisher	Marriott Marquis - Salon 5/6	Thr 4-Oct 11:15 - 12:15 pm

<http://www.oracle.com/technology/products/xml-publisher>

Stay Connected with BI Publisher

Oracle Technology Network

<http://www.oracle.com/technetwork/middleware/bi-publisher/overview/index.html>

Oracle BI Publisher Blog

from pixel-perfect to interactive reporting...

Forum: BI Publisher

Covers Oracle BI Publisher (formerly XML Publisher)

twitter

LinkedIn

YouTube

facebook

ORACLE

Q&A

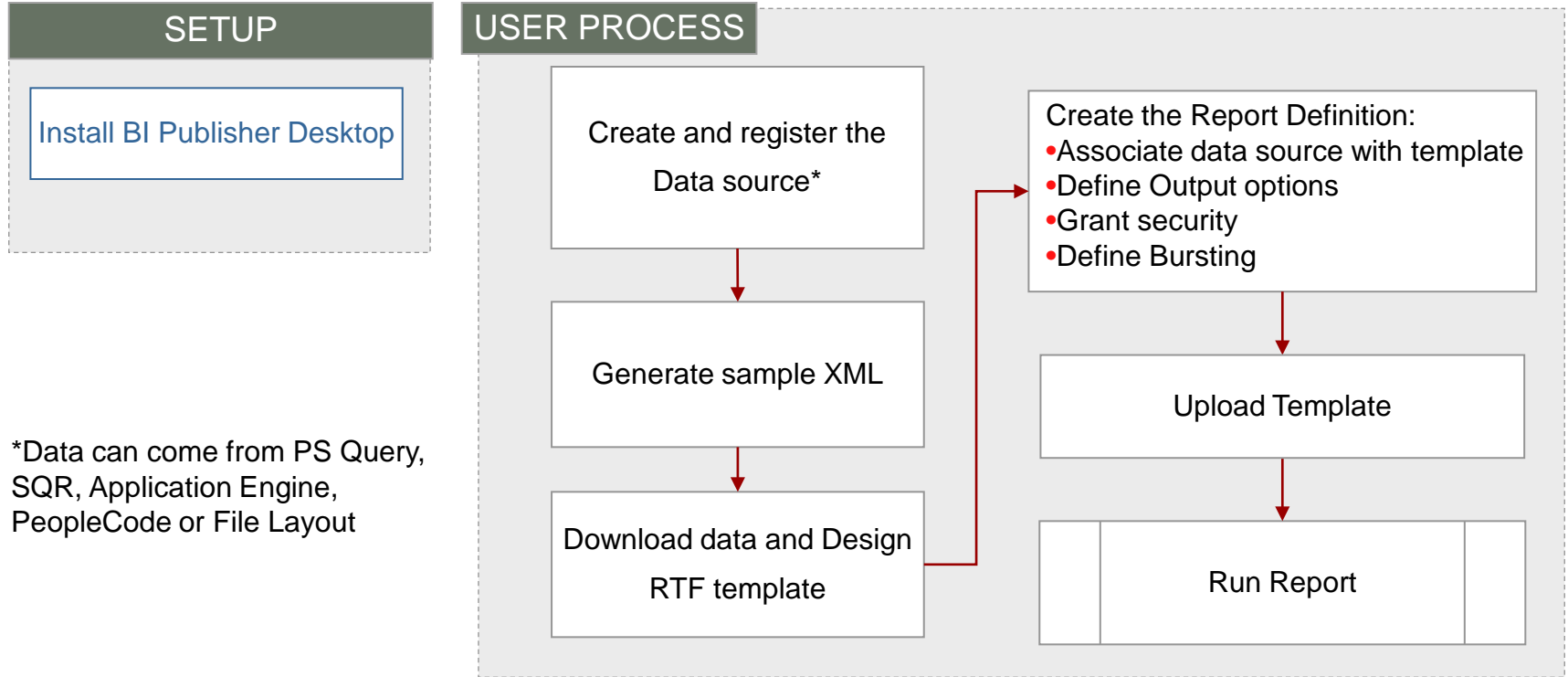
ORACLE®

Appendix

Application-specific steps

- PeopleSoft
- E-Business Suite

Process for PeopleSoft



Create Data Source and Generate XML Data

The screenshot displays the Oracle PeopleSoft Enterprise Reporting Tools interface. The top navigation bar includes links for Home, Worklist, MultiChannel Console, Add to Favorites, and Sign out. On the left, a 'Menu' sidebar lists various navigation options, with 'XML Publisher' expanded to show sub-items like Setup, Data Source, Report Definition, Content Library, Translations, Query Report Viewer, Query Report Scheduler, and XML Report Search. The main content area shows the 'XML Publisher' folder, which contains several sub-items: Data Source, Report Definition, Content Library, Translations, Query Report Viewer, Query Report Scheduler, XML Report Search, and Setup. A red box highlights the 'XML Publisher' folder header.

XML data can be input using a variety of means, including: PS Query, SQR, Application Engine, PeopleCode, or File Layout

Design Your Layout

The screenshot shows a Microsoft Word document titled 'CUSTOMER_LTR_FE4 - Microsoft Word'. The document is a report layout for Oracle XML Publisher. It features the Oracle logo at the top, followed by the text 'XML PUBLISHER'. Below this is a circular logo for 'HEUG'. The report includes a header section with fields: GCUST_ID, NAME1, ADDRESS1, CITY, STATE, and POSTAL. The main body of the report contains a salutation 'Dear Sirs/Madam,' followed by the text 'Welcome to Nashville, TN!'. Below this, it says 'According to our records as of <RunDate>, we show the following open balances'. A table is displayed with two columns: 'Business Unit' and 'Remaining Amount'. The first row of data shows 'F BUSINESS_UNIT' and '\$999.99E'. At the bottom, it states 'Your total outstanding balance is \$0 000 000'. A 'Field' dialog box is open on the right side of the document, showing a tree view of data fields. The tree view includes a 'Query' folder with fields like @numrows, @queryname, @xmlns:xsi, and @xmlns:NamespaceSchemaLocation. Below the tree view, there is an 'Example NAME1 sample data' section with a 'Calculation' dropdown and an 'On Grouping' checkbox. The 'Field' dialog box also has 'Insert', 'Close', and 'Help' buttons.

Load the sample XML data to the Template Builder to design the report layout.

Create the Report Definition

ORACLE®

Home | Worklist | MultiChannel Console | Add to Favorites | Sign out

Favorites | Main Menu > Reporting Tools > XML Publisher > Report Definition

New Window | Customize Page | http

Definition | **Template** | Output | Properties | Security | Bursting

Report Name: RCT_SAVINGS

Data Source

Data Source Type: Connected Query

Data Source ID: RCT_SAVINGS_PLAN

Data Source Description: RCT_SAVINGS_PLAN

Report Properties

Report Description: Savings plans and elections

*Report Status: Active

*Report Category ID: ALLUSER All PeopleSoft User

Object Owner ID: PeopleTools

*Template Type: RTF

Retention Days:

Registered Date/Time: 10/07/2009 10:54:45AM Registered By: RTPS

Updated Date/Time: 10/07/2009 10:54:47AM Updated By: RTPS

Download: [Sample Data](#)

Return to Search | Previous in List | Next in List | Add | Update/Display | Include History | Correct History

Save

Report definitions are used to:

- Associate a data source with a template
- Define output options
- Grant security to view report
- Define bursting options

Run Your BI Publisher Report

The screenshot shows the Oracle XML Publisher web interface. On the left is a navigation menu with options like 'My Favorites', 'Worklist', 'Reporting Tools', and 'XML Publisher'. The main content area displays the 'ORACLE XML PUBLISHER' header, the 'HEUG' logo, and the following text:

10012
Boxter Industries
4400 Hacienda Drive
Pleasanton, CA 94588

Dear Sirs/Madam,

Welcome to Nashville, TN!

According to our records as of 03/12/2006, we show the following open balances.

Business Unit	Remaining Amount
US005	\$690.83
US006	\$100.00
US007	\$500.00

Your total outstanding balance is \$1,290.83.

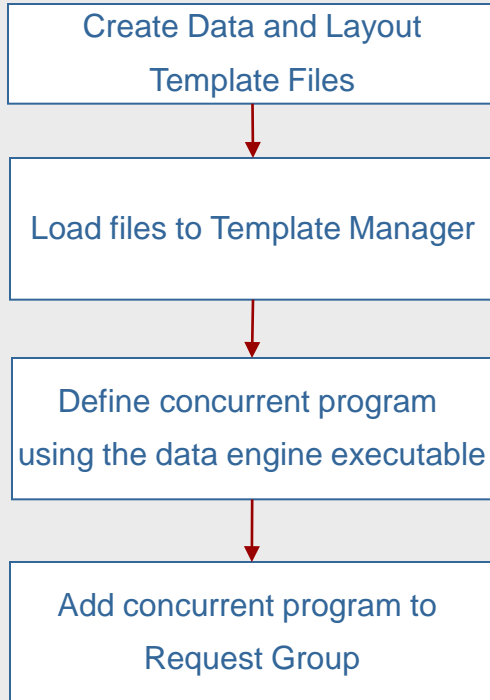
Run report via:

- Query Report View
- Query Report Scheduler
- Online PeopleCode
- Batch PeopleCode

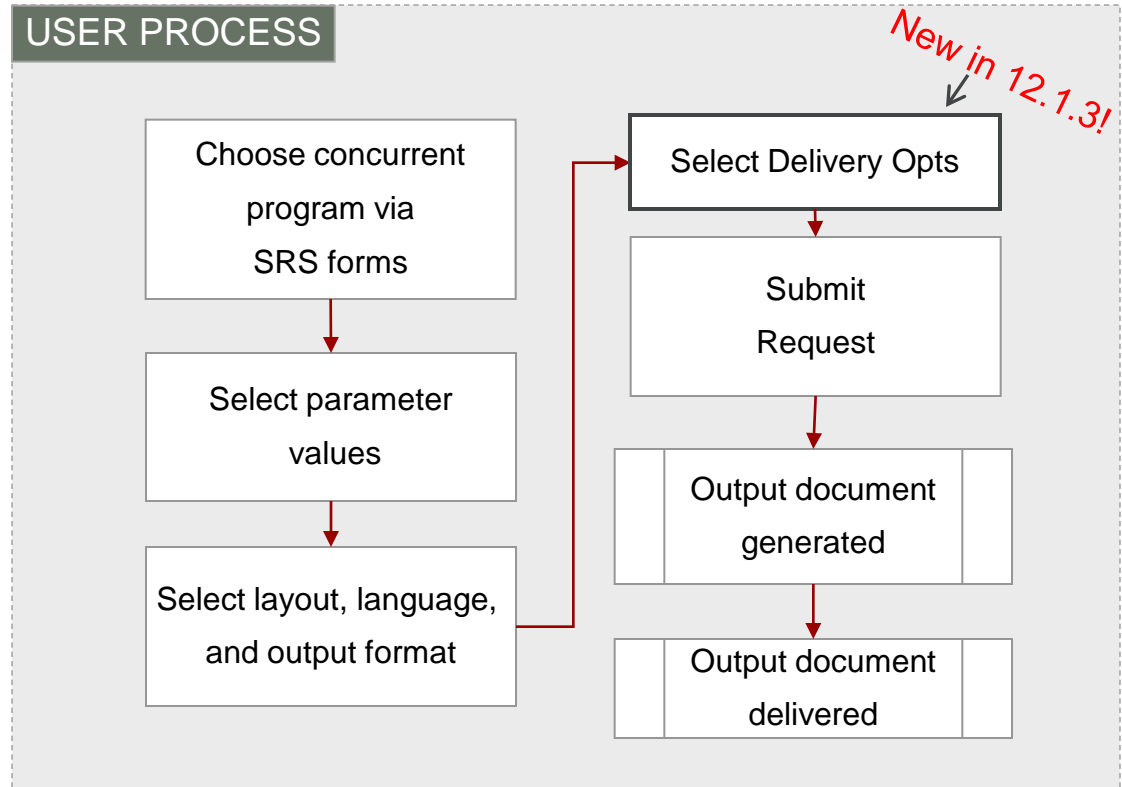
E-Business Suite Details

E-Business Suite Setup and Process

DEVELOPMENT SETUP



USER PROCESS



Create Data Template

- The data template tells XMLP the query to execute and the structure to return. It consists of:
- A `<parameters>` section to define parameters, their data types and default values
- A `<dataQuery>` section to define the SQL query to execute
- A `<dataStructure>` section to define the output structure for the results



Create Layout Template

The screenshot displays two windows: Microsoft Word on the left and Adobe Reader on the right. The Word window shows a document titled 'Open Balance - Letters.rtf' with a table and text. The Adobe Reader window shows a 'W-2 Wage and Tax Statement' form for the year 2003.

Microsoft Word Document Content:

ImportHeaderFooter

F
CUSTOMER_NAME
ADDRESS_LINE1
ADDRESS_LINE2
ADDRESS_LINE3
ADDRESS_LINE4
CITY
STATE
ZIP

Dear Sirs/Madam,

According to our records as of 1 Jan 2003, we show the following open balance:
F Your USD balance is \$1,000.00, made up as follows:

GS
Invoice Date TRANSACTION_DATE

Invoice Number	Invoice Type	Invoice Amount	Bank Charge
F TRX_NUMBER	TRANS_TYPE	\$1,000.00	\$100.00
		Total for TRANSACTION_DATE	

E
Invoice Balance

On-Account Credits and Receipts

Total

E
Please confirm the above information.

Adobe Reader Document Content:

Form W-2 Wage and Tax Statement (99) 2003

Department of the Treasury—Internal Revenue Service
For Privacy Act and Paperwork Reduction Act Notice, see separate instructions.

Cat. No. 10134D

Do Not Cut, Fold, or Staple Forms on This Page — Do Not Cut, Fold, or Staple Forms on This Page

Register Data Definition

1. Use XML Publisher Administrator responsibility
2. Create data definition
3. Load sample data (and schema for PDF layouts)
4. Load data template file

The screenshot displays the Oracle XML Publisher Administrator interface. The main window is titled "Data Definitions" and contains a search area with fields for Name, Application, Code, and Active, along with a "Go" button and a "Create Data Definition" button. Below the search area is a table listing data definitions:

Name	Application	Start Date	End Date	Update
Open Balance Supplier Letter Data	Oracle Payables	01-Mar-2004		
VETS-2000 DataSource	Human Resources	23-Feb-2004		
Customer Listing Summary	Payables	23-Feb-2004		
FSG program				
Sourcing Data Source				
Contract Terms D				
Contract Terms D				
Project Contracts				
Standard Purchas				
Blanket Purchase				

An inset window titled "General" is open, showing the configuration for a data definition. It includes fields for Name, Code, Application, Start Date, and End Date, along with a Description text area. The "Personalize Stack Layout: (GeneralStackRn)" option is selected. The "Apply" button is highlighted.

General
Personalize Stack Layout: (GeneralStackRn)

* Name: Supplier Data * Code: APXC0BLX
* Application: Oracle Payables * Start Date: 29-Aug-2006
End Date: Description: Data for suppliers

Register Layout Template

1. Use XML Publisher Administrator responsibility
2. Create template entry, assign it the **Data Definition Code**
3. Load template file

The screenshot displays the Oracle XML Publisher Administrator interface. At the top, there is a search area with fields for Name, Application, Type, Code, Data Definition, and Active, along with a 'Go' button and a 'Create Template' button. Below the search area is a list of templates, including 'Supplier Balances Letter', 'Supplier Balances Letter', 'VETS-2000 Template', 'Customer Listing Summary', 'FSG - Simple', 'FSG - Quarterly Report', 'Sourcing Style Sheet', 'FSG: Basic Template', 'Contract Terms Layout T', and 'Oracle Contract Terms T'. The 'View Template: Supplier Balances Letter' page is open, showing the 'General' tab. The 'Personalize "General Information"' section includes fields for Name (Supplier Balances Letter), Application (Oracle Payables), Type (RTF), Default File (apxsobk-2.rtf), Default File Language (English), and Default File Territory (United States). The Code is APXS0BLX_1, the Data Definition is Open Balance Supplier Letter Data, the Start Date is 01-Mar-2004, and the End Date is Subtemplate. The Description is 'Supplier Balance Letter Template'. Below this is the 'Template Files' section, which includes a 'Personalize "Template Files"' section and a 'Personalize Stack Layout: (Files.PreviewFormatRn)' section with a 'Preview Format' dropdown set to 'PDF' and an 'Add File' button. At the bottom, there is a 'Localized Templates' section with a table showing the template file 'apxsobk-2.rtf' in English for the United States territory, with buttons for Preview, Download, Update, and Delete.

File Name	Language	Territory	Preview	Download	Update	Delete
apxsobk-2.rtf	English	United States				

Define Concurrent Program and Executable

1. Use System Administrator responsibility
2. Create a concurrent program definition using the XML Publisher Data Template executable
3. The **Short Name** must match the **Data Definition Code**

The image shows two overlapping screenshots from the Oracle E-Business Suite. The background window is titled "Concurrent Programs" and displays the configuration for a program named "Supplier Open Balance Letter". The "Program" field is highlighted in yellow. Below it, the "Short Name" is "APXSUBLX", the "Application" is "Oracle Payables", and the "Description" is "Supplier Balance Letter". The "Executable" section shows the "Name" as "XDODTEXE" (highlighted in yellow) and the "Method" as "Java Concurrent Program". The "Request" section has "Type" and "Incrementor" fields. The "Output" section shows the "Format" as "XML". At the bottom, there are checkboxes for "Use in SRS", "Run Alone", "Enable Trace", "All...", "Res...", and "NLS...". A "Copy to..." button is visible at the bottom left.

The foreground window is titled "Concurrent Program Executable" and shows the configuration for the executable "XML Publisher Data Template Executable" (highlighted in yellow). The "Short Name" is "XDODTEXE". The "Application" is "XML Publisher" and the "Description" is "XML Publisher Data Template Executable". The "Execution Method" is "Java Concurrent Program". The "Execution File Name" is "JCP4XDODDataEngine" (highlighted in yellow). The "Subroutine Name" is empty. The "Execution File Path" is "oracle.apps.xdo.oa.cp" (highlighted in yellow). A "Stage Function Parameters" button is at the bottom right.

Add the Program to a Request Group

- Security > Responsibility > Request

The screenshot shows the 'Request Groups' window in Oracle E-Business Suite. The 'Group' field is set to 'Receivables All', 'Application' is 'Receivables', and 'Description' is 'All reports and programs'. Below this, a table lists available programs to be added to the request group.

Type	Name	Application
Program	Workflow Background Process	Application Object Library
Program	ADS Financials	General Ledger
Program	Publish RX Reports	Assets
Program	Collection Effectiveness Indicators	Receivables
Program	Autoinvoice Import Program	Receivables
Program	Aging - 7 Buckets - By Amount Report (ob	Receivables
Program	Aging - 4 Buckets Report	Receivables
Program	Aging - 7 Buckets - By Salesperson/Agent	Receivables
Program	Aging - 7 Buckets Report (obsolete)	Receivables
Program	Billing and Receipt History	Receivables

Below the table, the 'Description' field is set to 'Workflow background process for deferred and timeout activities'.

Run the Report

- User Selects the Report From a List and Clicks Options

Submit Request

Run this Request...

Copy...

Name **Supplier Open Balance Letter**

Operating Unit

Parameters 01-JAN-2010:American Telephone and Telegraph:American Telephone and Telegraph:::0:0

Language

Language Settings... Debug Options

At these Times...

Run the Job As Soon as Possible Schedule...

Upon Completion...

Save all Output Files

Layout Supplier Balances Letter - Green Options...

Notify

Print to noprint Delivery Opts

Help (C) Submit Cancel

Select Template, Language, Format

1. User can select a different template from the LOV
2. Then a different language if available
3. Then an output format

Upon Completion...

Save all Output Files

Layout:

Template Name	Template Language	Format	For Language
Program Details - Simple	English: United States	PDF	AMERICAN

Preview

Notify the following people:

Name	For Language

Print the Output To:

Style: Landscape

Printer	Copies	For Language
noprint	0	All languages

Help OK Cancel

Select Delivery Options

- Delivery Options set up in the System Administration pages
- Supports Printer, Email, Fax, FTP
- Do not select printer in previous form

NEW
In 12.1.3

Submit Request

Run this Request...

Copy...

Name: Supplier Open Balance Letter

Operating Unit:

Parameters: 01-JAN-2010:American Telephone and Telegraph:American Telephone and Telegraph:::0:0:

Language:

Language Settings... Debug Options

At these Times...

Run the Job: As Soon as Possible

Schedule...

Upon Completion...

Save all Output Files

Layout: Supplier Balances Letter - Green

Options...

Notify:

Print to: noprint

Delivery Opts

Help (C) Submit Cancel

View Final Output

Monitor Requests Form

The screenshot displays two overlapping windows from the Oracle E-Business Suite. The foreground window is titled 'Requests' and contains a data table with columns for Request ID, Name, Parent, Phase, and Status. Below the table are buttons for 'Refresh Data', 'Find Requests', 'Hld Request', 'View Details...', 'Cancel Request', and 'Diagnostics'. The background window is an Adobe Reader displaying an 'Invoice' PDF. The invoice includes the Oracle logo, company address (500 Oracle Parkway, Redwood Shores, CA 94065, USA), contact information (Tel: + 650 507 000, Fax: + 650 507 000), and website (www.oracle.com). It also features an 'Invoice Information' table and a detailed line item table.

Request ID	Name	Parent	Phase	Status
8958828	Loading.. (Migrate Enterpris		Completed	Normal
8954824	Loading.. (Migrate Enterpris		Completed	Normal

Invoice Information	
Invoice Number:	200402
Invoice Date:	29-JUL-04
Payment Terms:	Immediate
Payment Due:	29-AUG-04
Your VAT #:	234236464-44

Description	UOM	Quantity	Unit Price	VAT %	Total Net
200402: Test Line 1	Sheet	5000	0.15	17.50	726.00
200402: Test Line 2	Sheet	5000	0.15	17.50	726.00
200402: Test Line 3	Sheet	5000	0.15	17.50	726.00
200402: Test Line 4	Sheet	5000	0.15	17.50	726.00
200402: Test Line 5	Sheet	5000	0.15	17.50	726.00
200402: Test Line 6	Sheet	5000	0.15	17.50	726.00
200402: Test Line 7	Sheet	5000	0.15	17.50	726.00
200402: Test Line 8	Sheet	5000	0.15	17.50	726.00
200402: Test Line 9	Sheet	5000	0.15	17.50	726.00
200402: Test Line 11	Sheet	5000	0.15	17.50	726.00
200402: Test Line 12	Sheet	5000	0.15	17.50	726.00
200402: Test Line 13	Sheet	5000	0.15	17.50	726.00
200402: Test Line 14	Sheet	5000	0.15	17.50	726.00
200402: Test Line 15	Sheet	5000	0.15	17.50	726.00
200402: Test Line 16	Sheet	5000	0.15	17.50	726.00
200402: Test Line 17	Sheet	5000	0.15	17.50	726.00

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