

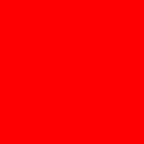
ORACLE®



ORACLE®

The Reporting Platform for Applications: Oracle Business Intelligence Publisher

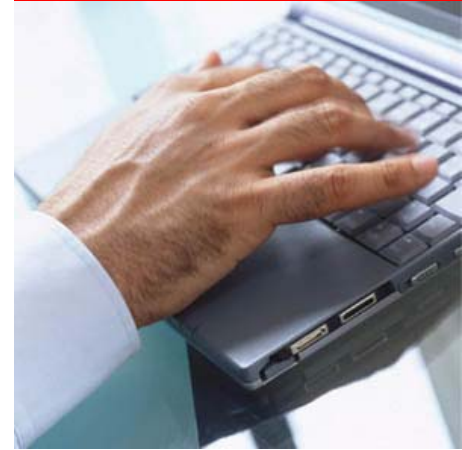
Noelle Bartlam
Senior Member of Technical Staff, BI Publisher



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.

Program Agenda

- Overview of BI Publisher
- BI Publisher in Oracle Applications
- Application integrations with BI Publisher
 - Siebel CRM
 - JD Edwards Enterprise
 - JD Edwards World
 - PeopleSoft
 - E-Business Suite
- Appendix



Refresher?

How many

- Siebel?
- JD Edwards (World or EnterpriseOne)?
- Peoplesoft?
- E-Business Suite?

Overview of BI Publisher

- ✓ Purchase Orders
- ✓ Labels / Bar Codes
- ✓ Collateral
- ✓ Government Forms
- ✓ eText
- ✓ Order Forms
- ✓ Invoices
- ✓ Operational Reports
- ✓ Correspondence
- ✓ Financial Statements
- ✓ Checks

Industrial Manufacturing ORACLE
Eaton Brazil for Eaton Worldw
Customer Profile

ORACLE Vision Operations (USA)
AT&T Universal Card
5645 Main Street
Jacksonville
FL
32209

October 31, 2005

Acme Manufacturing
20015 Sample Project

Period Ending Date: 28-Dec-2007

ORACLE General Ledger
Vision Operations (USA) Posted Journals From 01-JAN-99 to 31-JAN-99 Report Date: 8/31/2004 Page 8 of 50

Currency	USD	Balance Type	Actual				
Source:	Intercompany						
Batch:	CENTRA: Operations Intercompany 342981: A:4554		Posted Date: 30-SEP-99				
Journal:	CENTRA: CT00000069 Intercompany Transfer USD		Category: Intercompany Transfer Effective Date: 31-JAN-99				
Reference:	Journal Import Created Currency: USD						
Line	Account	Transaction Date	Description	Line Item	Debit	Credit	Unit
1	01-404-7595-0000-000	31-JAN-99	Journal Import Created	CT00000069	3,000.00		0.00
2	01-404-7753-0000-000	31-JAN-99	Journal Import Created	CT00000069		3,000.00	0.00
Journal Total					3,000.00	3,000.00	0.00

Oracle Corporation Date: 11/22/2004
500 Oracle Parkway
Redwood Shores, CA 94404

Pay to the order of Vision Corporation \$ 2,100.00

Two thousand one hundred and zero cents*****

Anonymous Bank
Aaa Street
New York, NY 10000

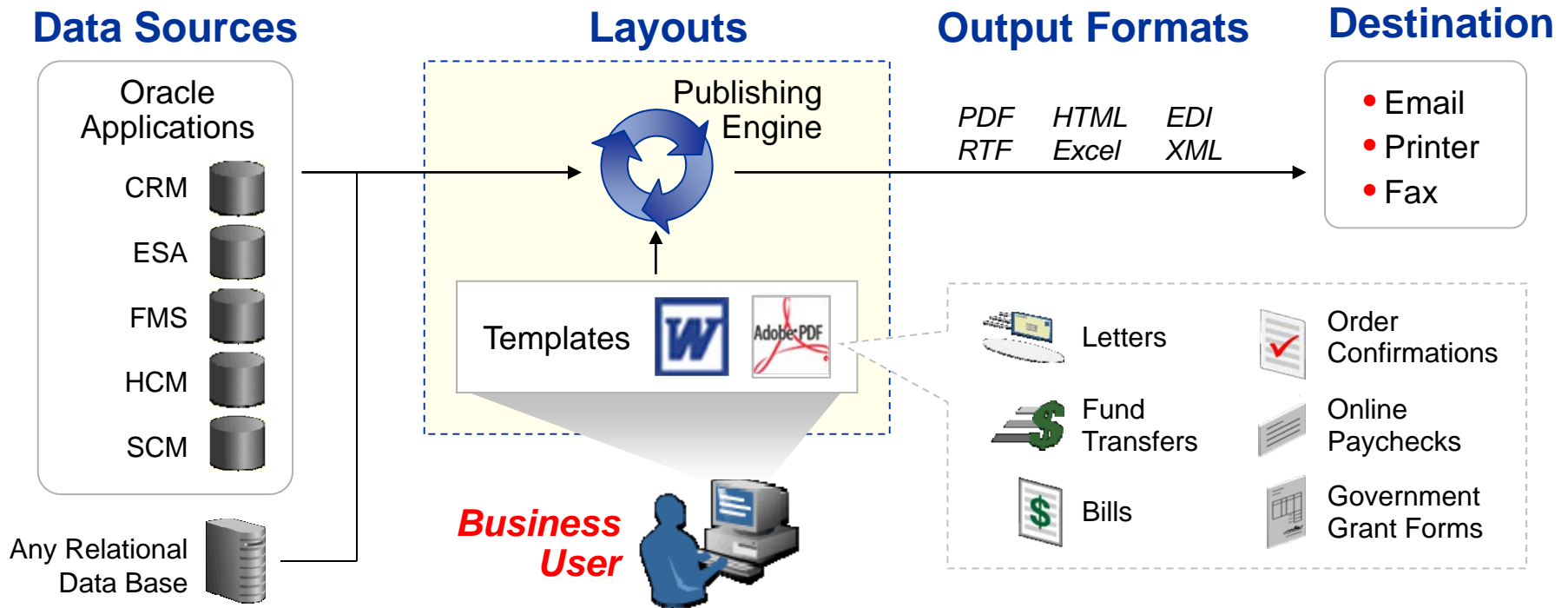
Memo *Laurence Ellison* MP

⑆ 12340432 ⑆ 3726 1789930 ⑆ 7676

TAPC HQ 132 Fairgrounds Road
I APC-US331 00000002573EUR094476
I APC-US332 00000004000EUR094477
Z 000000000019573094480

Oracle BI Publisher

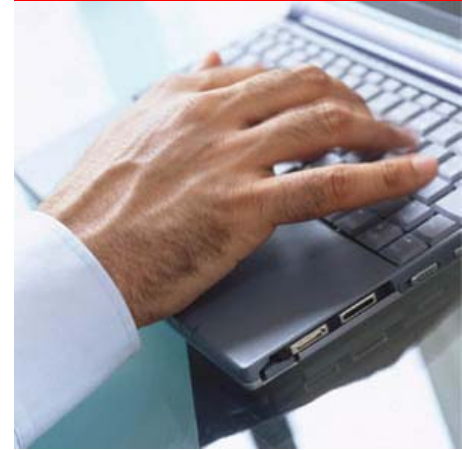
Oracle Standard Enterprise Reporting Platform



Integrated Out-of-the-Box with All Oracle Applications

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BI Publisher in Oracle Applications Limited Use License

- Oracle E-Business Suite

In 11i -- 500 templates

In R12.1 -- ALL reports are BI Publisher: 2724 templates and 2092 data sources or data templates across 95 products

Oracle Reports to Publisher Conversion Assistant

- PeopleSoft

Integrated into 8.48

Products shipping content in R9

- Financials
- HCM
- SCM
- Grants
- CRM
- Student Admin

- Siebel CRM

Integrated in 8.1.1 119 reports OOTB

Actuate to Publisher Conversion Assistant

BI Publisher in Oracle Applications Limited Use License

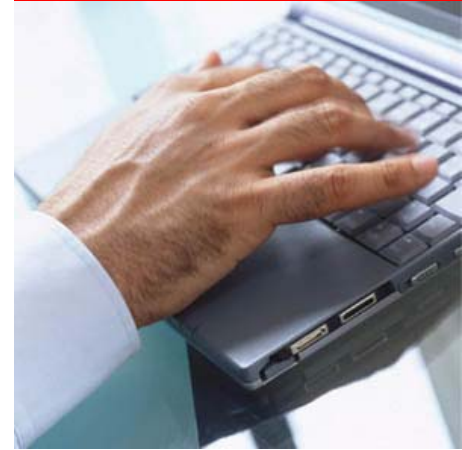
- J.D. Edwards Enterprise One
 - Integrated into 8.96
 - Allow customers to develop their own templates
 - Subsequent releases will add Apps content
 - JD Edwards EnterpriseOne JDBC driver
- J.D. Edwards World
 - Integrated in A9.1
 - Produce XML that can be used as input to BI Publisher
 - Automated integration in newly released A9.2
 - JD Edwards World JDBC Driver

BI Publisher in 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 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
- Oracle Application Express (APEX)
- Enterprise Manager - Configuration Change Console

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Actuate Report Development vs BI Publisher Report Development

Actuate (Developer)

1. Generate Report Object Library
2. Create report in Actuate
3. Compile report
4. Stop report server
5. Deploy report executable
6. Associate report with View and Deploy SRF



BI Publisher (End User)

1. Generate sample XML data
 2. Create report layout
 3. Upload template
 4. Associate with a View
- Compile Report
- Stop report server

Siebel – Steps for creating BI Publisher Report

Generate XML Data

Create Template

Upload Template

Associate report with a View

Without having to restart the application, you can test your report



The screenshot displays the Oracle BI Publisher interface. At the top, the Oracle logo is visible. Below it, the title "Opportunity List Report Demo" is centered. A table with five columns is shown: Account, Name, Win %, Sales Stage, and Revenue. The table contains 15 rows of data representing various business 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

Actuate Reports Conversion Assistant

- Command line utility that converts the Actuate layout design into BI Publisher layout design.
 - Actuate report layout convertor (from .ROD to .RTF)
- Available to BI Publisher customers at no additional charge
- Available via patch number 8968224

What's new with Siebel 8.1.1.1 Fix Pack

- Integration with BI Publisher Scheduling
- Parametized reporting (parameters can be entered when running a report)
- Embedded reports server views into Siebel
 - More features for embedded reports coming in 8.1.1.2
- Sample of Publisher reports provided out of the box
 - Accounts:
 - Account List
 - Account Service Profile
 - Enterprise Selling Plan – Overview
 - Contacts:
 - Contact List
 - Contacts By Opportunity
 - Alphabetic Phone List
 - Opportunities:
 - Opportunity List
 - Opportunities By Sales Rep
 - Pipeline Report By Sales Rep

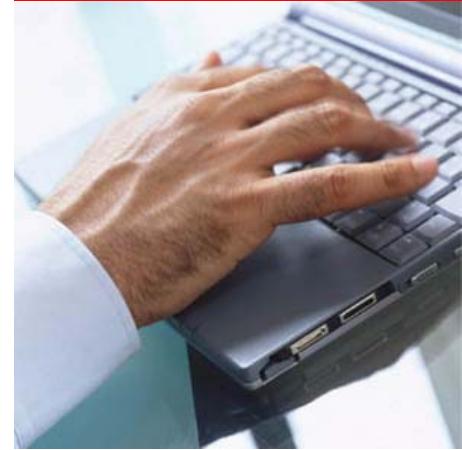
For More Information on Siebel

- Siebel Reporting Migration Guide for Reports Developers ([Document 764191.1](#))

DATE	TIME	SESSION	DESCRIPTION
4/22/10 (Thursday)	12:15pm - 1:15pm	3630	Upgrading to Siebel 8.x

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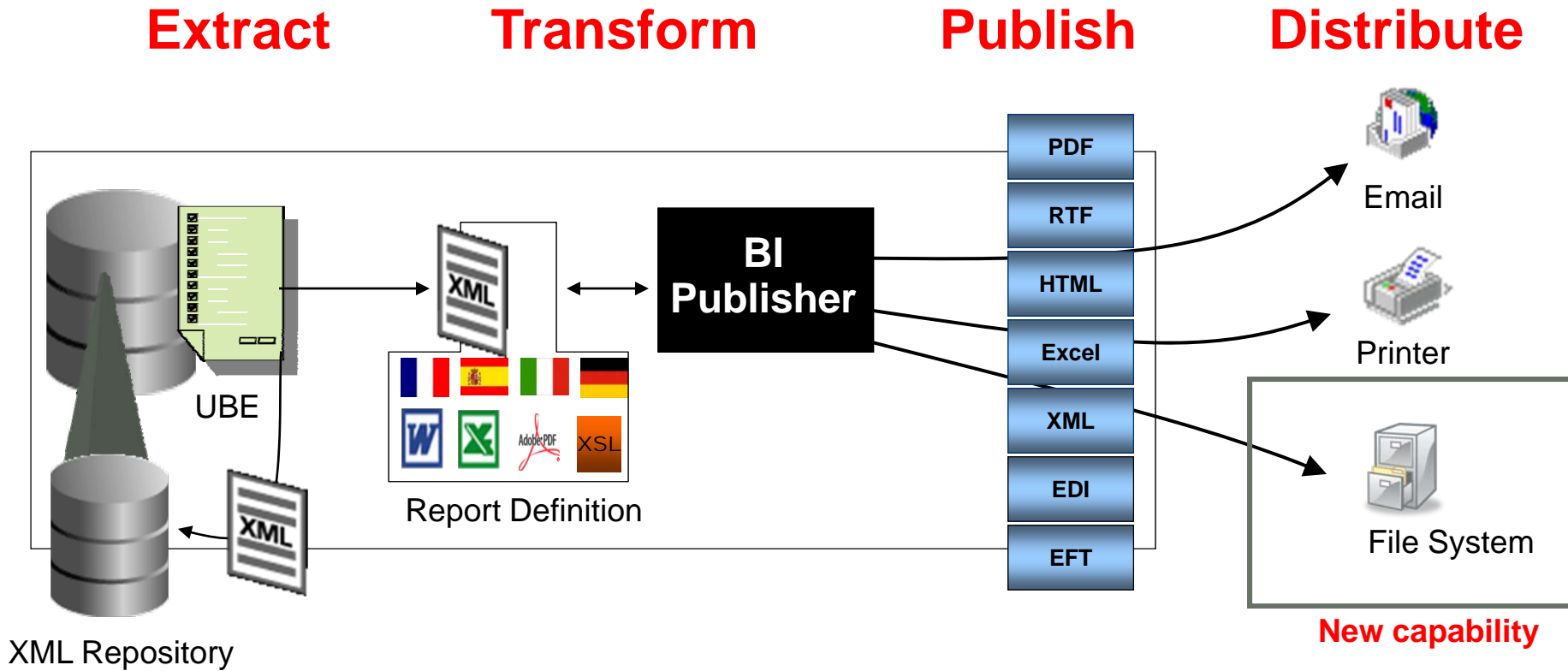
Embedded BI Publisher for JD EnterpriseOne vs BI Publisher Standalone/JD Edwards EnterpriseOne

BI Publisher is available to JD Edwards EnterpriseOne users in two ways:

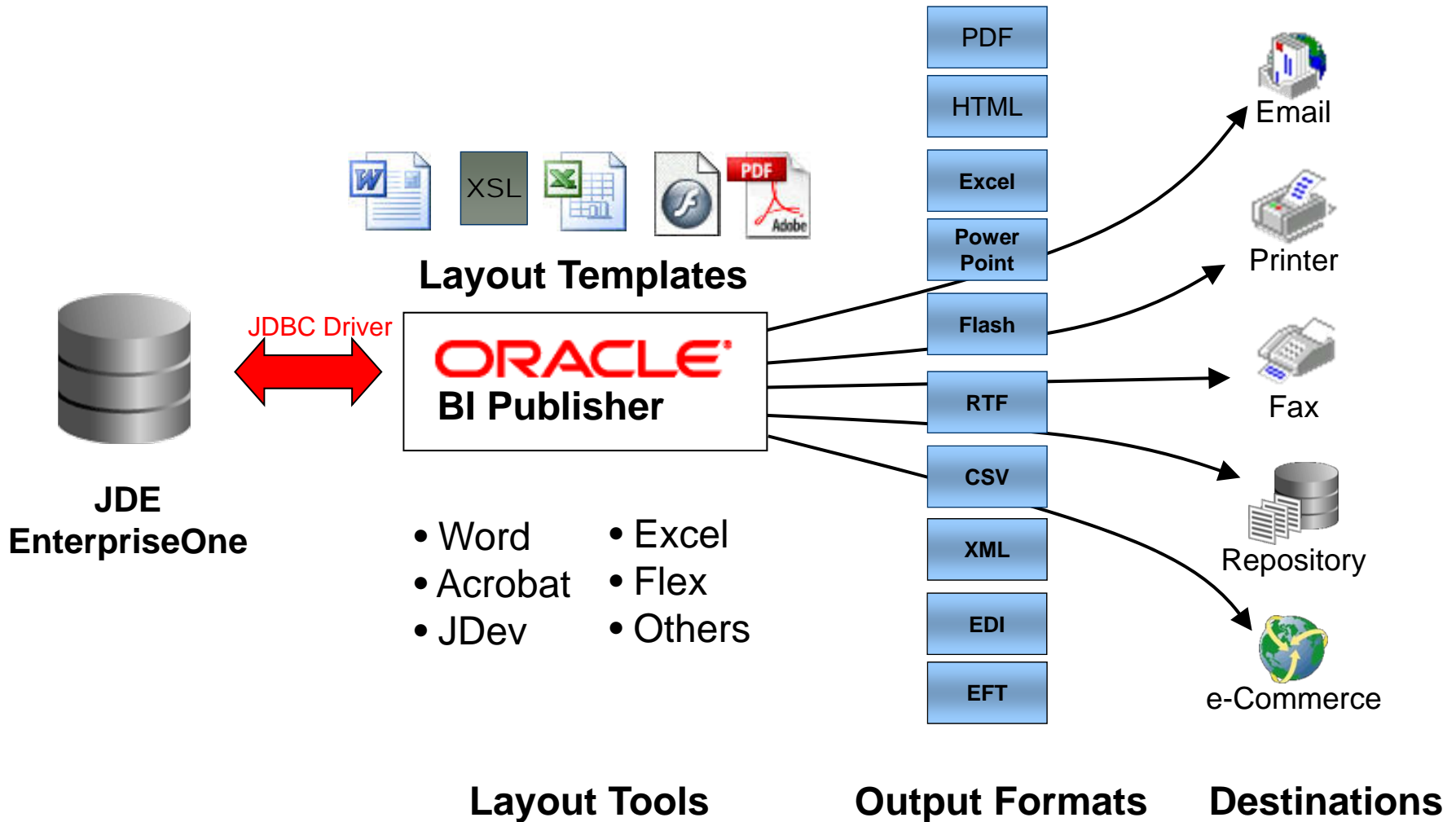
- Embedded BI Publisher for JDE1
 - Need to produce content rich reports that are part of the existing business process
- Oracle BI Publisher Standalone with JDE1
 - Need to empower business users to develop and execute user driven reports

Embedded BI Publisher

8.98.1 adds capability to save output to a file system



Oracle BI Publisher Standalone with JD Edwards EnterpriseOne



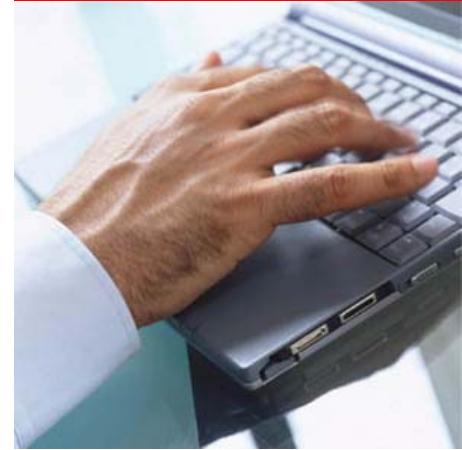
For More Information on JD Edwards EnterpriseOne

On support.oracle.com, search for 789074.1

DATE	TIME	SESSION	DESCRIPTION
4/20/10 (Tuesday)	2:00pm - 3:00pm	76640	BI Publisher and Oracle BI for JD Edwards
4/21/10 (Wednesday)	1:00pm – 2:00pm	71170	Empower JD Edwards Users with Oracle BI Publisher for AD Hoc Reporting
4/22/10 (Thursday)	9:45am – 10:45am	73070	Reducing Cost with Oracle's BI Publisher

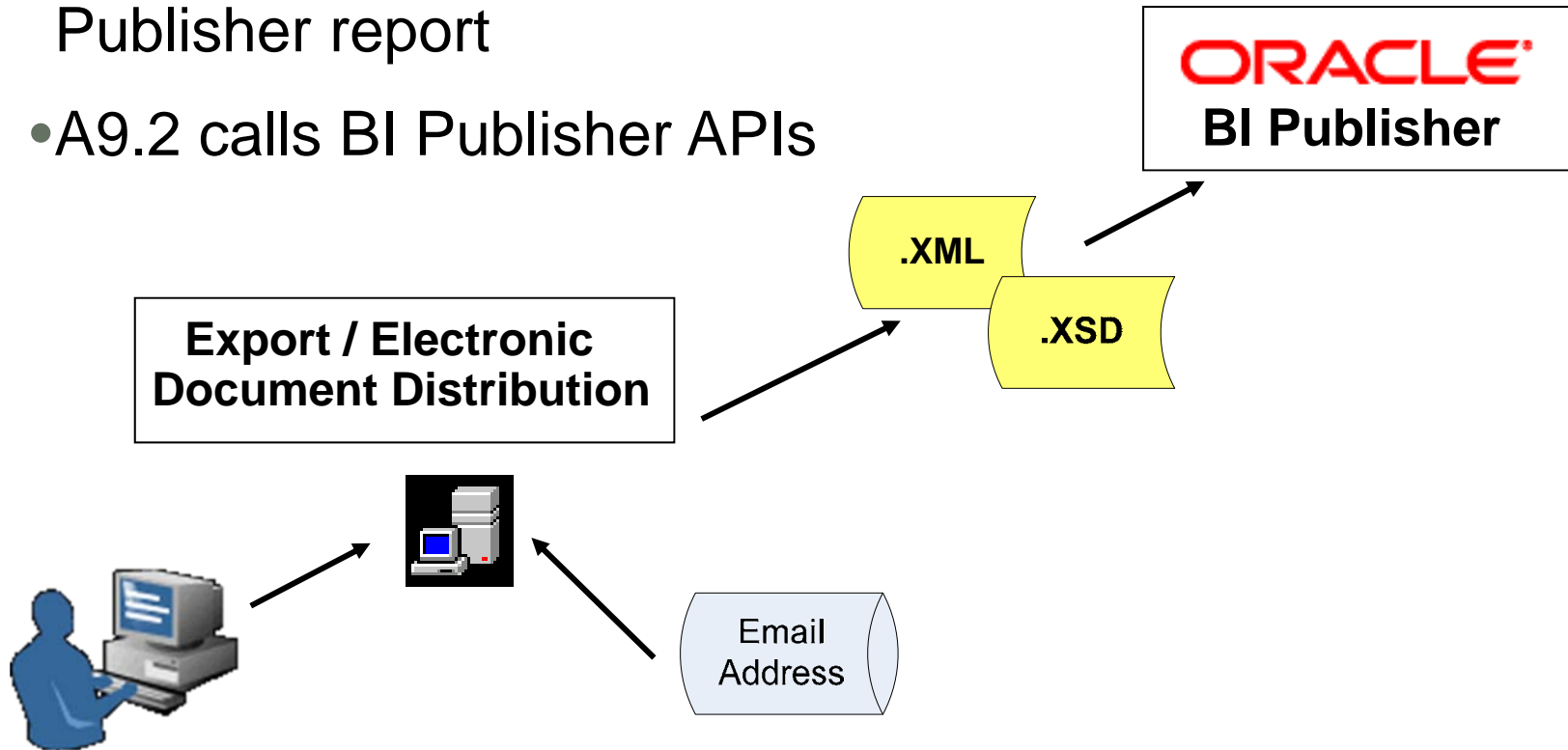
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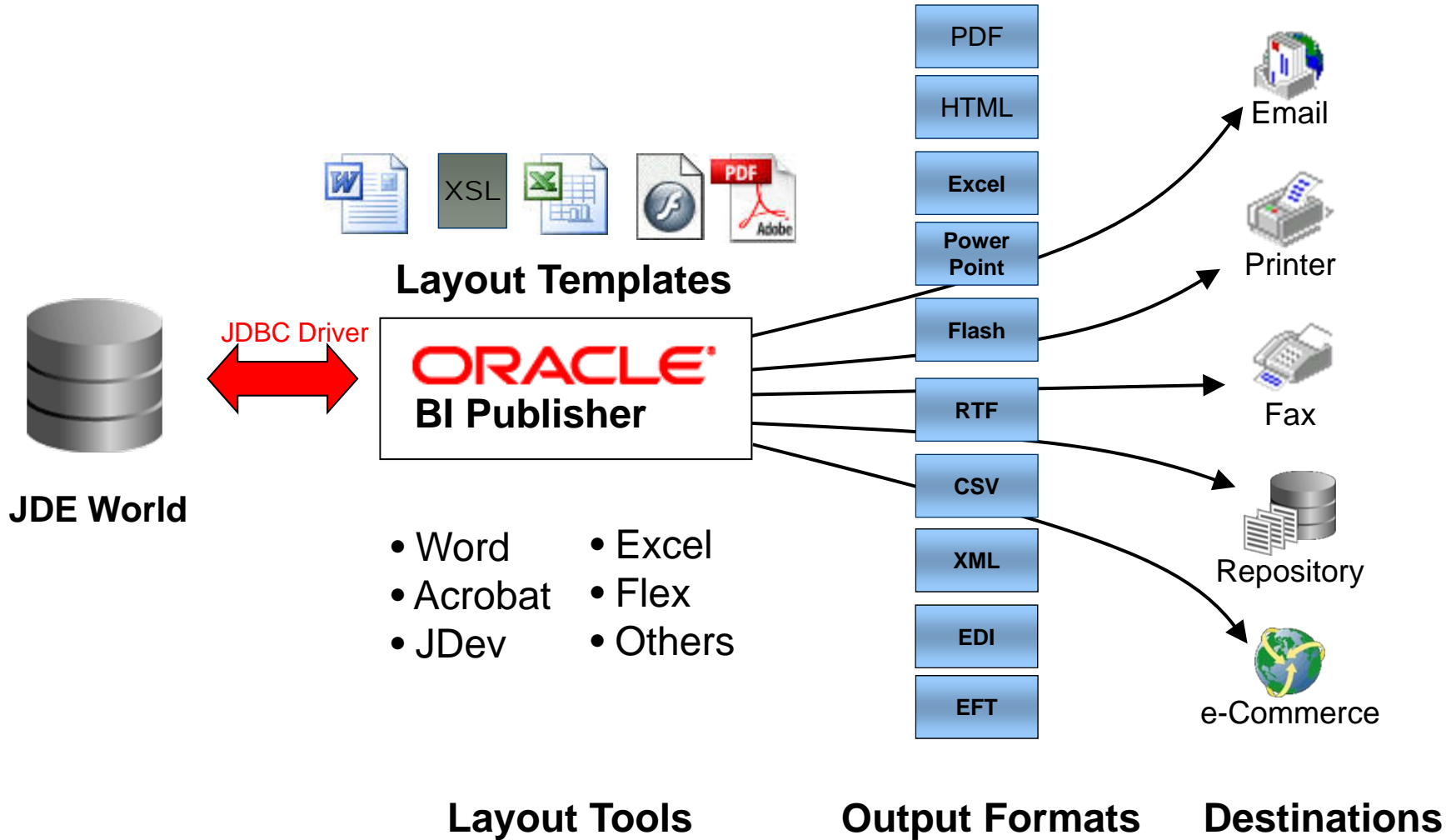


JD Edwards World release A9.1 or A9.2

- Use the “Export” feature to create data in XML
- A9.2 will automatically generate a nice BI Publisher report
- A9.2 calls BI Publisher APIs



Oracle BI Publisher Standalone with JD Edwards World



For More Information on JD Edwards World

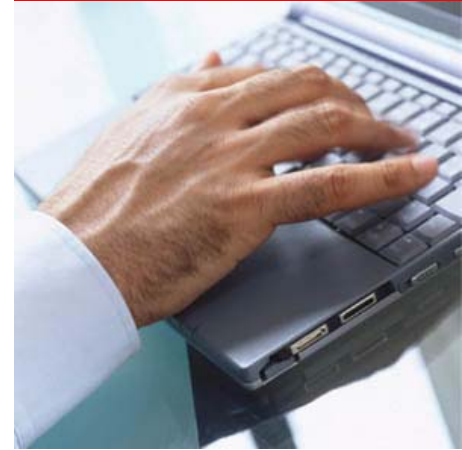
On support.oracle.com, search for 789078.1

The JD Edwards World JDBC Driver is downloadable from Metalink's Update Center.

DATE	TIME	SESSION	DESCRIPTION
4/21/10 (Wednesday)	10:30am – 11:30am	70900	JD Edwards World – Technical Upgrade Considerations
4/21/10 (Wednesday)	1:00pm – 2:00pm	75460	BIP and JD Edwards World – Good Stuff!
4/21/10 (Wednesday)	4:00pm – 5:00pm	76320	Using Oracle BI Delivers to Send Reports to JD Edwards Users

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Peoplesoft – Generate XML Data

The screenshot shows the Oracle XML Publisher interface within a Microsoft Word document titled 'CUSTOMER_LTR_FE4'. The document contains a report template with the following content:

ORACLE XML PUBLISHER

HEUG

GCUST_ID
NAME1
ADDRESS1
CITY, STATE POSTAL

Dear Sirs/Madam,

Welcome to Nashville, TN!

According to our records as of <?RunDate?>, we show the following open balance:

Business Unit	Remaining Amount
F BUSINESS_UNIT	\$999.99E


Your total outstanding balance is \$0 000.00

The 'Field' dialog box is open, showing a tree view of fields. The 'Name1' field is selected. The 'Example' section shows 'NAME1 sample data'. The 'Calculation' dropdown is set to 'None', and the 'On Grouping' checkbox is unchecked. The 'Force LTR Direction' checkbox is also unchecked. The 'Insert' button is highlighted.

Peoplesoft – Report Definition

The screenshot displays the Oracle PeopleSoft XML Publisher interface. The top navigation bar includes the Oracle logo and links for Home, Worklist, MultiChannel Console, Add to Favorites, and Sign out. The breadcrumb trail shows Main Menu > Reporting Tools > XML Publisher. The main content area is titled 'XML Publisher' and contains several functional tiles: 'Data Source' (Register schema and sample data files for), 'Report Definition' (Define reports by associating Data Sources with layout Template files), 'Content Library' (Create and maintain reusable Sub-Template definitions), 'Query Report Viewer' (Run Query-based XMLP reports real-time. View in a window.), 'Query Report Scheduler' (Schedule Query-based XMLP reports. Use to run bursted reports.), and 'Setup' (Prepare for using XML Publisher. Includes Report Category and Design Helper). A dark grey callout box is overlaid on the left side of the interface, containing the text: 'Report definitions are used to: Associate a data source with a template. Define output options. Grant security to view report. Define bursting options.' The left-hand menu is partially visible, showing options like My Favorites, Worklist, Application Diagnostics, Tree Manager, Reporting Tools, Query, PS/InVision, BusinessObjects Enterprise, XML Publisher (expanded), Setup, Data Source, Report Definition, Content Library, Translation, Query Report Viewer, Query Report Scheduler, XMLP Report, Report Manager, PeopleTools, Change My Password, My Personalizations, My System Profile, and My Dictionary.

Peoplesoft – Running BI Publisher Reports



[Home](#) | [Worklist](#) | [MultiChannel Console](#) | [Add](#)

Menu ☰

Search:

 »

- ▷ My Favorites
- ▷ Worklist
- ▷ Application Diagnostics
- ▷ Tree Manager
- ▽ Reporting Tools
 - ▷ Query
 - ▷ PS/nVision
 - ▷ BusinessObjects Enterprise
- ▽ XML Publisher
 - ▷ Setup
 - [Data Source](#)
 - [Report Definition](#)
 - [Content Library](#)
 - [Translations](#)
 - [Query Report Viewer](#)
 - [Query Report Scheduler](#)
 - [XMLP Report Search](#)
 - [Report Manager](#)
- ▷ PeopleTools
 - [Change My Password](#)
 - [My Personalizations](#)
 - [My System Profile](#)
 - [My Dictionary](#)

Query Report Viewer



Enter any information you have and click Search. Leave fields blank for a list of all values.

*Search by:

[Advanced Search](#)

Search Results

Report Definition	
Report Name	Description
CUSTOMERLETT	Cust
CUST_LET	CUS
I9_BURSTING	I9 Fc
I9_PRINT	I9 Fc
TEST	Cust
XRFWIN	Cros Listi

XML PUBLISHER

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.

New BI Publisher Features with PeopleTools 8.50

- PDF Full Path Mapping
- Descriptive Report Names
- Support for Email
- Alternative XML Preview
- XDO Properties Configuration
- Iterative Template Design

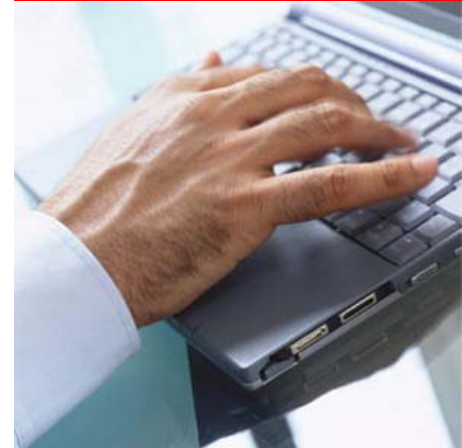
For more information

- Release Notes for PeopleSoft Enterprise PeopleTools 8.50
- Enterprise PeopleTools 8.50 PeopleBook: XML Publisher for PeopleSoft Enterprise

DATE	TIME	SESSION	DESCRIPTION
4/20/10 (Tuesday)	8:00am - 9:00am	4349	Creating XML Publisher Documents with Peoplecode
4/21/10 (Wednesday)	8:00am - 9:00am	75220	XML Publisher Tips for PeopleTools
4/22/10 (Thursday)	9:45am - 10:45am	72360	PeopleSoft Recruiting Enhancements You Can Use

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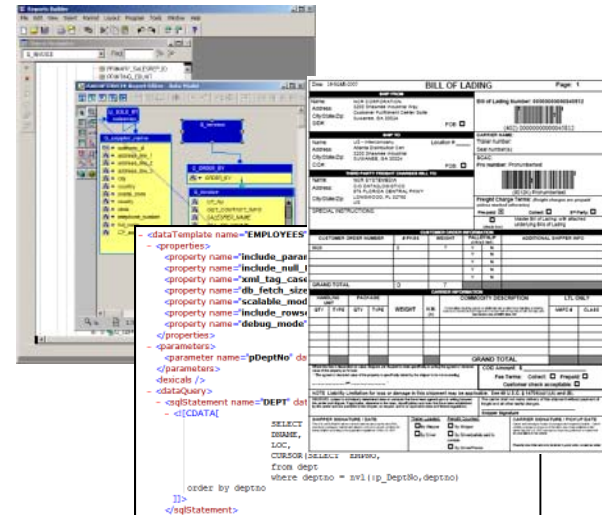
XML Publisher Releases vs. E-Business Suite Releases

- Release 11.5.10
 - XML Publisher 4.5 – 12/31/04
- Post Release 11.5.10
 - XML Publisher 5.5 – 01/06/05
 - Performance, Translation, Template Builder, Common Regions
 - XML Publisher 5.6 – 01/10/06
 - Administration UI, Data Engine, Book Binder
- Release 12
 - XML Publisher 5.6.3
 - Runtime Optimization, Enhancements

E-Business Suite

Release 12 and 12.1

- HRMS using many government forms from all around the world



Payments utilizing Publisher for Banking and Credit Card payment processing

- Financial Applications has consolidated many data sources and providing multiple templates
- Oracle Reports to BI Publisher Conversion Assistant

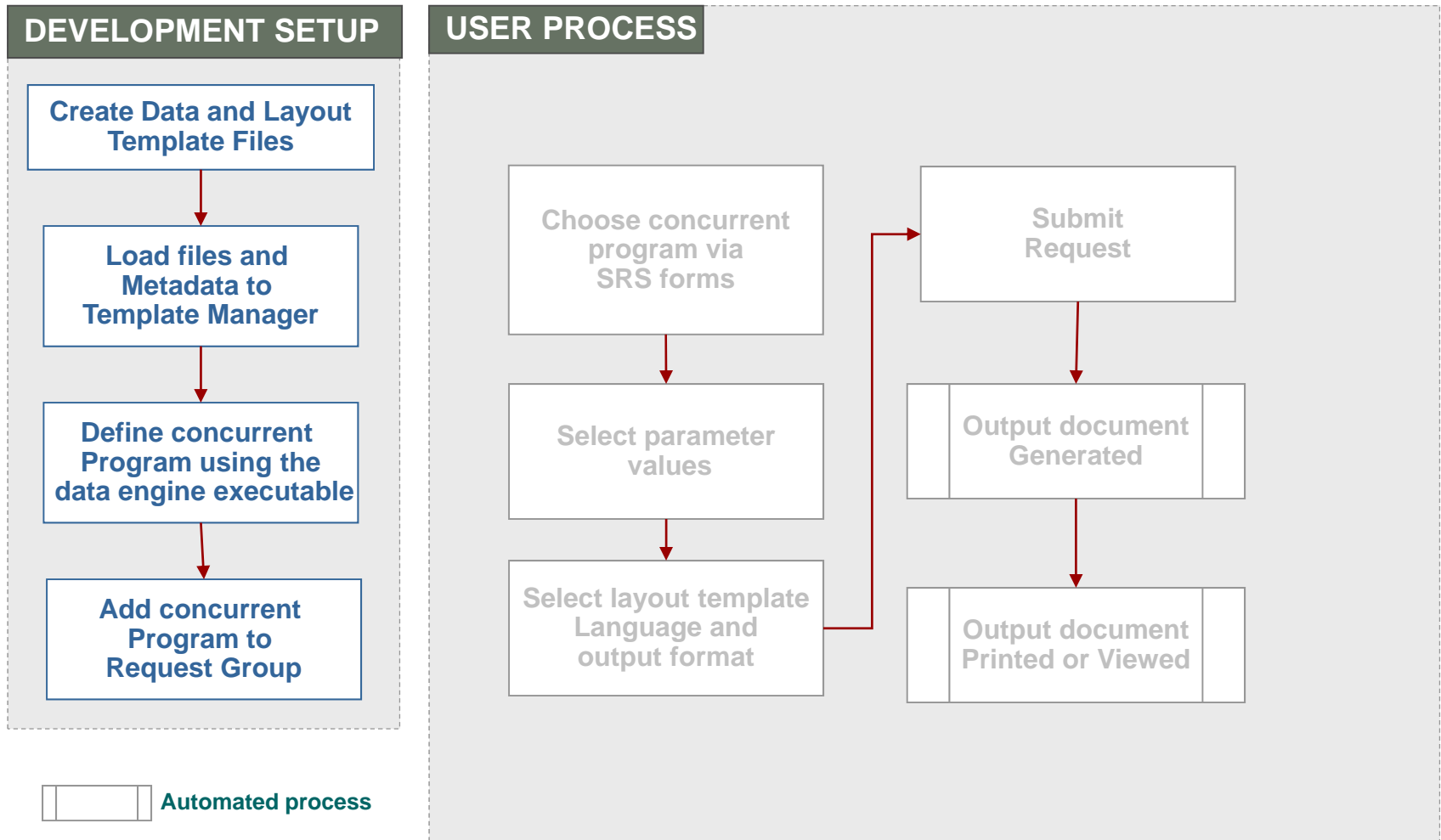
XML Publisher

Concurrent Manager



*XML Publisher = EBS Embedded BI Publisher

Setup and Process – Overview



XML Publisher – Concurrent Program Process Flow

EBS

Two Step Publishing

1. Submit Oracle report with output format set to XML.
2. After request completes submit XML Report Publisher and select the completed output of your request and a template to run against.

One Step Publishing

- Submit the original program (output type = XML), at runtime select the template and output format (RTF, PDF, EXCEL).
- The program being submitted is usually the old Oracle Report 6i request. The request is run and OPP manager submits XML Publisher to create PDF.

XML Publisher – User Process

- User selects the report from a list
- User enters parameter values
- User can select a template, language and output format and submit the report
- User can view the final output via the Monitor Requests form

User Selects the Report From a List and Enters Parameters

The image shows a 'Submit Request' dialog box with the following fields and options:

- Run this Request...**
 - Name: Concurrent Program Details Report - XML Publisher
 - Operating Unit: [Empty]
 - Parameters: [Empty]
 - Language: American English
 - Buttons: Copy..., Language Settings..., Debug Options
- At these Times...**
 - Run the Job: As Soon as Possible
- Upon Completion...**
 - Save all Output
 - Layout: Program Details
 - Notify: [Empty]
 - Print to: noprint
- Buttons: Help (C), Submit, Cancel

The 'Parameters' sub-dialog box is open, showing:

- Application Name: [Empty]
- Program: [Empty]
- Buttons: OK, Cancel, Clear, Help

User Can Select a Template, Language and 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

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

Output Post Processor (OPP) Manager

- Note **291792.1** – Using the OPP in Oracle Applications Concurrent Processing
- OPP is an extension to Concurrent Processing
- Takes care of all post-processing actions for concurrent requests
- Required for single-step reporting using XML Publisher.
- Triggered by Conc. Manager upon completion of the XML output generation
- Maximum throughput defined as:
$$\#processes \times \#threads = MAX \#parallel \text{ reports}$$

→ if needed, increase the default values
- Profile Options:
 - Concurrent: OPP Response Timeout
 - Concurrent: OPP Process Timeout

OPP Manager Setup

- The OPP Service is multi-threaded and will start a new thread for each concurrent request it processes.
- You can control the number of simultaneous threads for an OPP Service Instance by adjusting the Threads per Process parameter for the instance.
- If all the OPP process have reached their respective maximum number of threads, the requests waiting to be processed remain in a queue to be processed as soon as threads become available.

Work Shifts

[Return to Top](#)

[Add Work Shifts](#)

Select Item and ...		Remove		
Select	Name	Description	Processes	Threads Per Process
<input checked="" type="radio"/>	Standard	Active 24 hours every day	<input type="text" value="1"/>	<input type="text" value="5"/>

TIP Threads per Process should be between 1 to 20

Detailed Process Overview (1 of 2)

1. Choose a report to publish in XDO.

To avoid breaking the seeded Concurrent program, copy the current program to a new name (such as Active Users XML) using the Copy Program functionality in FNDCMMCP. This provides a new Alias but doesn't touch the seeded definitions. Any patches to the seeded program will update the copy as it points to the seeded program. Only maintenance is the need to update the parameter list if the seed programs parameters are changed. Add the report to a responsibilities report/request group.

Detailed Process Overview (2 of 2)

2. Change the output format to XML and run the report to get a sample data set.
3. Using the XML data, create an RTF template in the Template Builder (Or you can create a PDF or XSL-FO template.)
4. Create a Data Definition and Template definition in Applications as XML Publisher Administrator.
5. Link Template to Report using System Administration responsibility (Self-Service).
6. Setup OPP manager.
7. Submit the request and view the output.
8. Enable printing of the report (To print PDF output requires pasta and ghostview or acroread.)

Getting XML Sample or Runtime Data

The screenshot displays the Oracle Applications - Vision interface. A 'Find Requests' dialog is open, showing search criteria for 'All My Requests'. The 'Requests' window is also open, displaying a table of request details. The 'Diagnostics' button is highlighted with a red circle.

Request ID	Name	Parent	Phase	Status	Requestor	Priority
2756339	Active Users		Completed	Normal	SYSADMIN	50
2756338	Active Users XML		Completed	Normal	SYSADMIN	50
2756337	Verify Concurrent Manag		Completed	Normal	SYSADMIN	0
2756336	Purge Debug Log and S		Pending	Scheduled	SYSADMIN	50
2756335	Synchronize Workflow L		Pending	Scheduled	SYSADMIN	50
2756334	Synchronize WF LOCAL	2755346	Completed	Normal	SYSADMIN	50
2756332	Synchronize WF LOCAL	2755346	Completed	Normal	SYSADMIN	50
2756330	Synchronize WF LOCAL	2755346	Completed	Normal	SYSADMIN	50
2756328	Synchronize WF LOCAL	2755346	Completed	Normal	SYSADMIN	50
2756326	Synchronize WF LOCAL	2755346	Completed	Normal	SYSADMIN	50

Getting XML Sample or Runtime Data

The screenshot displays the Oracle Applications - Vision interface. A 'Find Requests' dialog is open, showing a list of requests. The 'Request Diagnostics' dialog is also open, displaying details for request ID 2756339, which is in the 'Completed' phase and was requested by 'SYSADMIN'. The 'View XML' button at the bottom of the 'Request Diagnostics' dialog is circled in red.

Request Details:

Request ID	Name	Parent	Phase	Status	Requestor	Priority
2756339	Active Users		Completed	Normal	SYSADMIN	50
					ADMIN	50
					ADMIN	0
					ADMIN	50
					ADMIN	50
					ADMIN	50
					ADMIN	50
					ADMIN	50
					ADMIN	50
					ADMIN	50

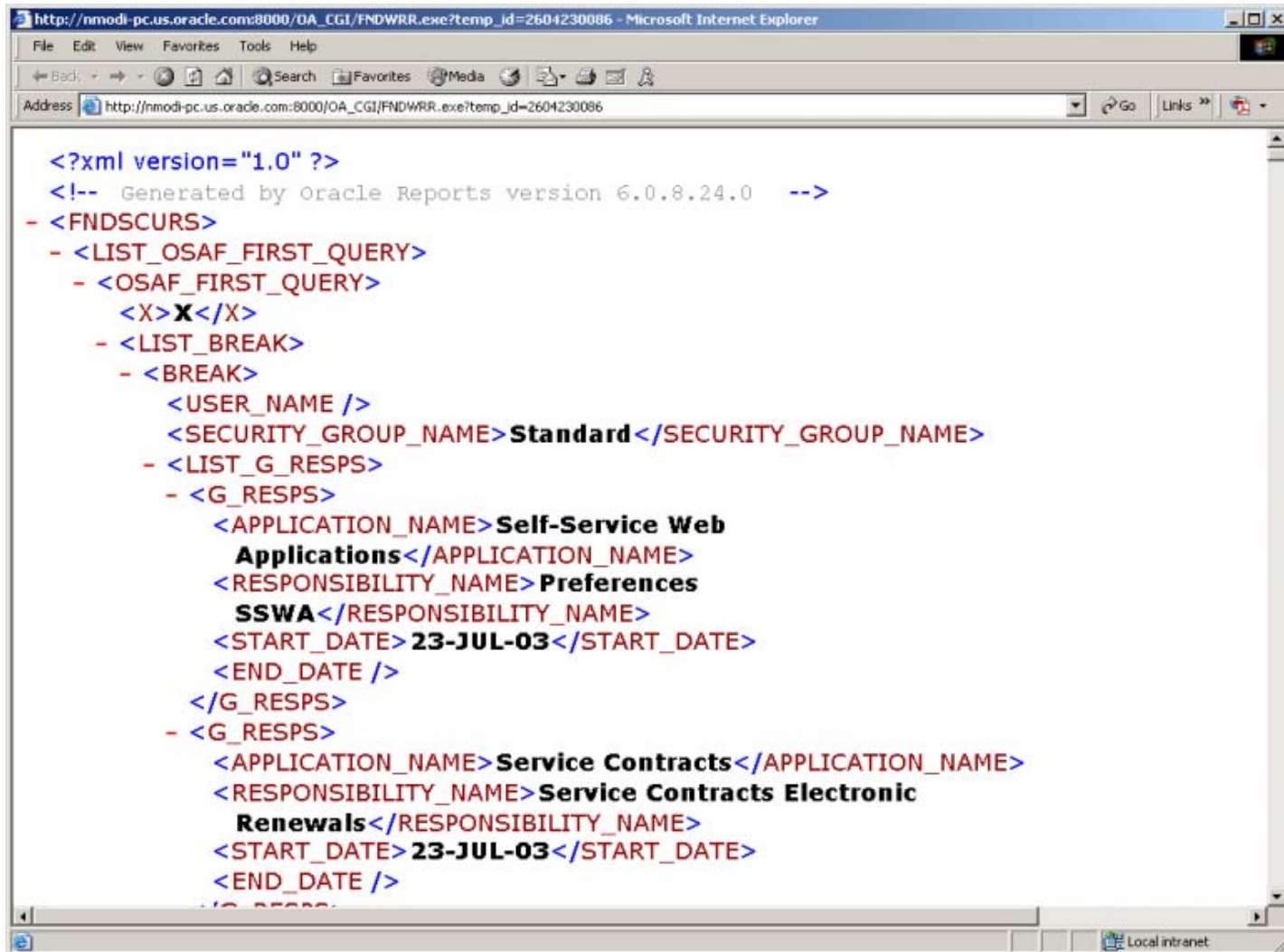
Request Diagnostics:

Request ID: 2756339
Phase: Completed
Status: Normal
Name: Active Users

This request completed successfully. The request started at 12-SEP-2005 09:45:42 and ended on 12-SEP-2005 09:46:18.

Buttons: Refresh Data, Find Requests, Submit a New Request..., View XML, OK

XML Sample Data



The screenshot shows a Microsoft Internet Explorer browser window displaying XML data. The address bar shows the URL: `http://nmodi-pc.us.oracle.com:8000/OA_CGI/FNDWRR.exe?temp_id=2604230086`. The XML content is as follows:

```
<?xml version="1.0" ?>
<!-- Generated by Oracle Reports version 6.0.8.24.0 -->
- <FNDSCURS>
- <LIST_OSAF_FIRST_QUERY>
- <OSAF_FIRST_QUERY>
  <X>X</X>
- <LIST_BREAK>
- <BREAK>
  <USER_NAME />
  <SECURITY_GROUP_NAME>Standard</SECURITY_GROUP_NAME>
- <LIST_G_RESPS>
- <G_RESPS>
  <APPLICATION_NAME>Self-Service Web
  Applications</APPLICATION_NAME>
  <RESPONSIBILITY_NAME>Preferences
  SSWA</RESPONSIBILITY_NAME>
  <START_DATE>23-JUL-03</START_DATE>
  <END_DATE />
</G_RESPS>
- <G_RESPS>
  <APPLICATION_NAME>Service Contracts</APPLICATION_NAME>
  <RESPONSIBILITY_NAME>Service Contracts Electronic
  Renewals</RESPONSIBILITY_NAME>
  <START_DATE>23-JUL-03</START_DATE>
  <END_DATE />
```

XML Publisher

Development Setup



Development Setup – Overview

- Create Data Template
- Create Layout Template
- Register data and template definition metadata and load data template and layout template
- Define concurrent program
- Add concurrent program to request group

Create Data Template

```
- <dataTemplate name="dataTemplateName" description="Template description"
  dataSourceRef="ORCL" defaultPackage="employee" version="1.0">
  Define Parameters
  <parameters>
    <parameter name="department" dataType="character" defaultValue="10"/>
  </parameters>
  Define Data Query
  <dataQuery>
    - <sqlStatement name="Q1">
      SELECT EMPNO,ENAME,SAL from emp where deptno=:department
    </sqlStatement>
  </dataQuery>
  Define Triggers
  <dataTrigger name="beforeReport" source="employee.beforeReportTrigger"/>
  Define Data Structure
  <dataStructure>
    - <group name="G_EMPLOYEE" source="Q1">
      <element name="EMPLOYEE_NUMBER" value="EMPNO"/>
      <element name="NAME" value="ENAME"/>
      <element name="SALARY" value="SAL"/>
    </group>
  </dataStructure>
</dataTemplate>
```

The data template consists of:

- A <parameters> section in which parameters are declared in child <parameter> elements
- A <dataQuery> section in which the SQL queries are defined in child <sqlStatement> elements
- A <dataStructure> section in which the output XML structure is defined

Create Layout Template

The image shows two overlapping windows. The background window is Microsoft Word, displaying a letter template with fields for customer information and a table for invoice details. The foreground window is Adobe Reader, displaying a 2003 Form W-2 Wage and Tax Statement.

Microsoft Word - Open Balance - Letters.rtf

ImportHeaderFooter

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
FYour USD balance is \$1,000.00, made up as

GS
Invoice Date TRANSACTION_DATE

Invoice Number	Invoice Type
F TRX_NUMBER	TRANS_TYPE

Invoice Balance

On-Account Credits and Receipts

Total

Please confirm the above information.

Adobe Reader - [w2.pdf]

Control number: 2222

Employer identification number: \$

Employer's name, address, and ZIP code: \$

Employee's social security number: \$

Employee's first name and initial: Last name

Employee's address and ZIP code: \$

15 State	16 State wages, tips, etc.	17 State income tax	18 Local wages, tips, etc.	19 Local income tax	20 Locality name
\$	\$	\$	\$	\$	

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.

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

Copy A For Social Security Administration—Send this entire page with Form W-3 to the Social Security Administration; photocopies are not acceptable.

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

Create Layout Template

The image displays two overlapping windows. The top window is Microsoft Word, titled 'Open Balance - Letters.rtf - Microsoft Word'. It shows a letter template with the following content:

ImportHeaderFooter

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
 F your USD balance is \$1,000.00, made up as

GS
 Invoice Date TRANSACTION_DATE

Invoice Number	Invoice Type
F TRX_NUMBER	TRANS_TYPE

E
Invoice Balance

On-Account Credits and Receipts

Total

E
 Please confirm the above information.

The bottom window is Adobe Reader, titled 'Adobe Reader - [w2.pdf]'. It displays a 2003 Form W-2 Wage and Tax Statement. The form includes the following fields:

- a Control number: 2222
- b Employer identification number
- c Employer's name, address, and ZIP code
- d Employee's social security number
- e Employee's first name and initial, Last name
- f Employee's address and ZIP code
- 1 Wages, tips, other compensation
- 2 Federal income tax withheld
- 3 Social security wages
- 4 Social security tax withheld
- 5 Medicare wages and tips
- 6 Medicare tax withheld
- 7 Social security tips
- 8 Allocated tips
- 9 Advance EIC payment
- 10 Dependent care benefits
- 11 Nonqualified plans
- 12a See instructions for box 12
- 12b
- 12c
- 12d
- 13 Statutory employee, Retirement plan, Third-party sick pay
- 14 Other
- 15 State Employer's state ID number
- 16 State wages, tips, etc.
- 17 State income tax
- 18 Local wages, tips, etc.
- 19 Local income tax
- 20 Locality name

Form **W-2** Wage and Tax Statement (99) **2003**
 Copy A For Social Security Administration—Send this entire page with Form W-3 to the Social Security Administration; photocopies are not acceptable.
 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 metadata
3. Load sample data and schema if required (only pdf layouts)
4. Load data template file

The screenshot shows the 'Data Definitions' window in Oracle XML Publisher Administrator. The 'General' tab is selected, displaying the following information:

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

The left pane shows a list of data definitions:

- Open Balance Supplier Letter Data
- VETS-2000 DataSource
- Customer Listing Summary
- FSG program
- Sourcing Data Source
- Contract Terms Data Definition for iStore
- Contract Terms Data Definition
- Project Contracts Data Source
- Standard Purchase Order Data Source
- Blanket Purchase Agreement Data Source

At the bottom of the window, there are navigation controls: Previous, 1-10, and Next 10.

Register Layout Template

1. Use XML Publisher Administrator responsibility
2. Create layout template metadata
3. Load template file

The screenshot displays the 'View Template: Supplier Balances Letter' configuration page in the XML Publisher Administrator. The interface is divided into several sections:

- General:** Contains fields for Name (Supplier Balances Letter), Application (Oracle Payables), Type (RTF), Default File (apxsoblx-2.rtf), Default File Language (English), and Default File Territory (United States). It also includes Code (APXSOBXLX_1), Data Definition (Open Balance Supplier Letter Data), Start Date (01-Mar-2004), End Date, and Subtemplate. Buttons for 'Update' and 'Edit Configuration' are present.
- Template Files:** Includes a 'Preview Format' dropdown set to 'PDF' and an 'Add File' button.
- Localized Templates:** A table listing localized template files.

Left Panel (Templates): A search bar and a list of templates including 'Supplier Balances Letter', 'Supplier Balances Letter - Green', 'VETS-2000 Template', 'Customer Listing Summary - Simple', 'FSG - Simple', 'FSG - Quarterly Report', 'Sourcing Style Sheet', 'FSG: Basic Template', 'Contract Terms Layout Template for', and 'Oracle Contract Terms Template'.

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

Define Concurrent Program & Executable

1. Use System Administrator responsibility
2. Create a concurrent program definition using the XML Publisher Data Template executable

The image shows two overlapping Oracle configuration windows. The background window is titled "Concurrent Programs" and displays the configuration for a program named "Supplier Open Balance Letter". The "Executable" section is highlighted with a red box, showing the name "XDODTEXE" and the method "Java Concurrent Program". The foreground window is titled "Concurrent Program Executable" and shows the configuration for the "XML Publisher Data Template Executable".

Concurrent Programs Window:

- Program: Supplier Open Balance Letter Enabled
- Short Name: APXSUBLX
- Application: Oracle Payables
- Description: Supplier Balance Letter
- Executable Name: XDODTEXE
- Method: Java Concurrent Program

Concurrent Program Executable Window:

- Executable: XML Publisher Data Template Executable
- Short Name: XDODTEXE
- Application: XML Publisher
- Description: XML Publisher Data Template Executable
- Execution Method: Java Concurrent Program
- Execution File Name: JCP4XDODDataEngine
- Execution File Path: oracle.apps.xdo.oo.cp

Add Program to Request Group

Request Groups

Group: Receivables All

Application: Receivables

Code:

Description: All reports and programs

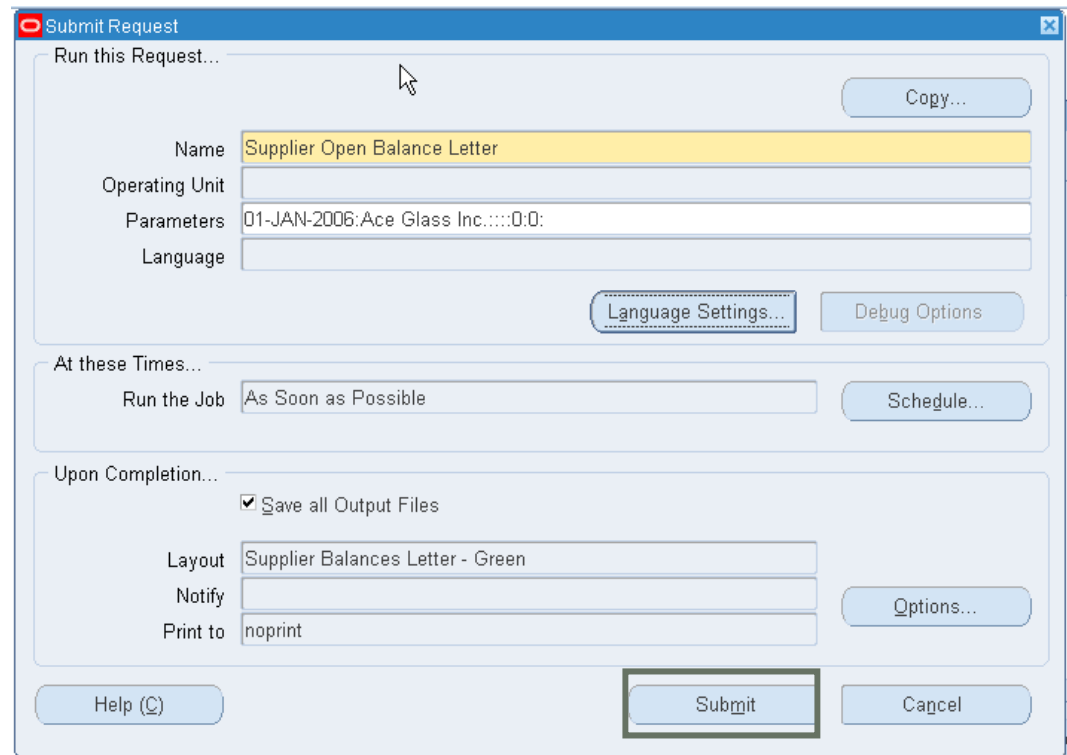
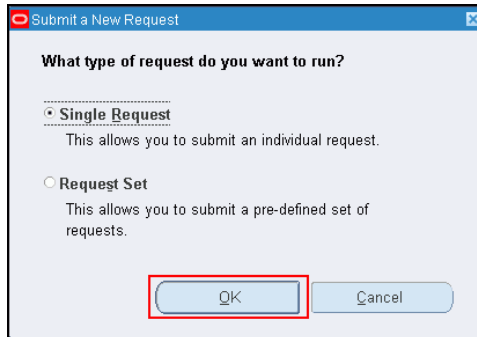
Requests

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

Description: Workflow background process for deferred and timeout activities

Run the Report

1. Switch from System Administrator to the appropriate responsibility
2. Select Concurrent: Run
3. Select any parameters need for the request



BI Publisher Desktop 5.6.3

- BI Publisher Desktop 5.6.3 (10.1.3.2)
- 5.6.3 = 10.1.3.2 for Enterprise users, same basic code tool can be used to login and connect to 10.1.3.2 BI Publisher Enterprise.
- Patch 5887917 Oracle XML Publisher Desktop Patch 5.6.3 includes
 - Template Builder for Word
 - Template Builder Tutorial
 - Template Viewer
 - RTF, PDF and eText examples.

XML Publisher References

- Note 364547.1 – Troubleshooting Oracle XML Publisher For The Oracle E-Business Suite
- Note 737311.1 – How to Configure the Account Analysis Report in Release 12 for Large Reports
- XML Publisher 5.6.3
 - Note 422508.1 - About Oracle XML Publisher Release 5.6.3
 - Oracle XML Publisher Administration and Developer's Guide Release 12 B31412-01
 - Oracle XML Publisher Report Designer's Guide Release 12 B31410-01

Fax Your Documents through RightFax Server

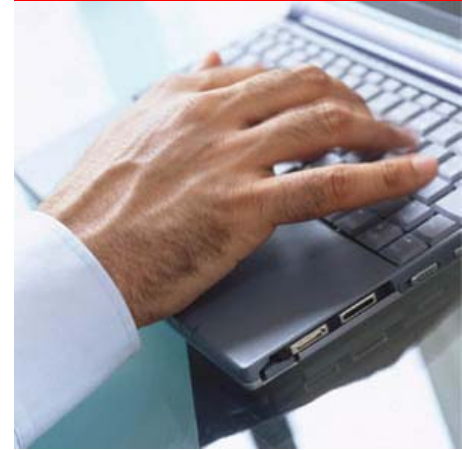
- Deliver faxes directly from the BI Publisher Delivery Manager to any fax destination and query the status of the job using RightFax 9.3 or above.
- Implemented by the Oracle Collections team for the Strategy Dunning Program.
- Blog article by Pradeep K. Sharma
 - http://blogs.oracle.com/xmlpublisher/2009/07/now_fax_your_documents_through_1.html

For more information

DATE	TIME	SESSION	DESCRIPTION
4/20/10 (Tuesday)	10:30am – 11:30am	4726	Moving to BI Publisher, Now What? Automated Fax and Email from Oracle EBS
4/20/10 (Tuesday)	2:00pm – 3:00pm	3356	Custom Check Printing Framework using XML Publisher
4/20/10 (Tuesday)	2:00pm – 3:00pm	3815	Smart Reporting in Oracle Financials Release 12.1

Program Agenda

- Overview of BI Publisher
- BI Publisher in Oracle Applications
- Application integrations with BI Publisher
 - Siebel CRM
 - JD Edwards Enterprise
 - JD Edwards World
 - PeopleSoft
 - E-Business Suite
- Appendix



For More Information

- Publisher Home Page

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

- Publisher Demo Catalog

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

- Publisher Blog

<http://blogs.oracle.com/xmlpublisher/>

- Publisher Forum

<http://forums.oracle.com/forums/forum.jspa?forumID=245>

- White Paper – Converting Crystal Reports to Oracle BI Publisher

<http://download.oracle.com/otndocs/xmlp/CrystaltoBIP.pdf>

For More Information

<http://search.oracle.com>

or

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

BI Publisher sessions....

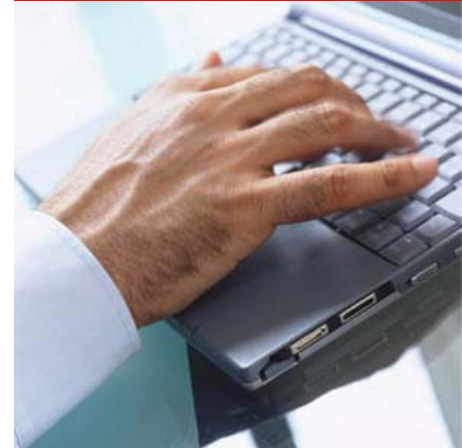
DATE	TIME	SESSION	DESCRIPTION
4/19/10 (Monday)	2:30pm – 3:30pm	213	Introduction to Oracle Business Intelligence Publisher
4/19/10 (Monday)	3:45pm – 4:45pm	217	BI Publisher Hands on Lab
4/20/10 (Tuesday)	8:00am – 9:00am	218	Oracle Business Intelligence Publisher Best Practices
4/21/10 (Wednesday)	1:00pm – 2:00pm	243	Oracle BIEE End-to-End

XML Publisher Troubleshooting



Agenda

- EBS Basic Setup – Administration
- Troubleshooting Basics
- Location of Log Files
- Turning on Debug
- Setup for Large Reports



EBS Basic Setup – Administration

Basic setup to prevent JAVA memory errors use the XML Publisher Administrator responsibility.

1. Navigate to **Administration > Configuration**.

2. Select a Temporary Directory for BI Publisher.

Preferably not APPLCSF as this area already has a lot of I/O. Must be a valid path on the concurrent processing node and the web node.

3. Set these XSLT properties to true:

- Use XML Publisher's XSLT processor
- Enable XSLT runtime optimization.

XML Publisher Administrator: Administration > Configuration

Configuration - Microsoft Internet Explorer

Address: http://jsulliva-pc3.us.oracle.com:8000/OA_HTML/OA.jsp?OAHP=XDO_TEMPLATE_MANAGER&OAPB=XDO_BRANDING&OASF=XDO_CONFIG_UPDATE_MENU&pac

[Expand All](#) | [Collapse All](#)

Focus Properties	Site Value
Properties	
General	
Temporary directory	<input type="text" value="/tmp"/>
PDF Output	
PDF Security	
RTF Output	
HTML Output	
FO Processing	
Font mapping set	<input type="text"/>
Currency format set	<input type="text"/>
Bidi language digit substitution type	<input type="text"/>
Pages cached during processing	<input type="text"/>
Disable variable header support	<input type="button" value="v"/>
Add prefix to IDs when merging FO	<input type="button" value="v"/>
Use XML Publisher's XSLT processor	<input type="button" value="True"/>
Enable scalable feature of XSLT processor	<input type="button" value="False"/>
Enable XSLT runtime optimization	<input type="button" value="True"/>
Compress temporary files	<input type="button" value="v"/>
XSLT extension classes	<input type="text"/>
RTF Templates	
PDF Templates	
XLIFF Extraction	

[Reset](#) [Save](#)

Local intranet

Troubleshooting – Getting Started

- Get error log showing specific error.
- Improve error messages by turning debug on.
- Try to replicate on internally.
- Requires layout template and XML data file.

How to Get BI Publisher Log Files

➤ **One Step Publishing Concurrent Requests:**

Request Log: Requests > View > Log

Output Post Processor Log:

- a. Navigate to Concurrent Manager Administer.
- b. Select the Output Post Processor.
- c. Choose the "Processes" button.
Select the process that was active during the time you are interested in.
- d. Choose the "Manager Log" button.

➤ **Two Step Publishing – XML Report Publisher**

Request Log – Requests->View->Log

➤ **Increase logging by turning on Debug for these processes.**

How to Get the Log File of the OPP

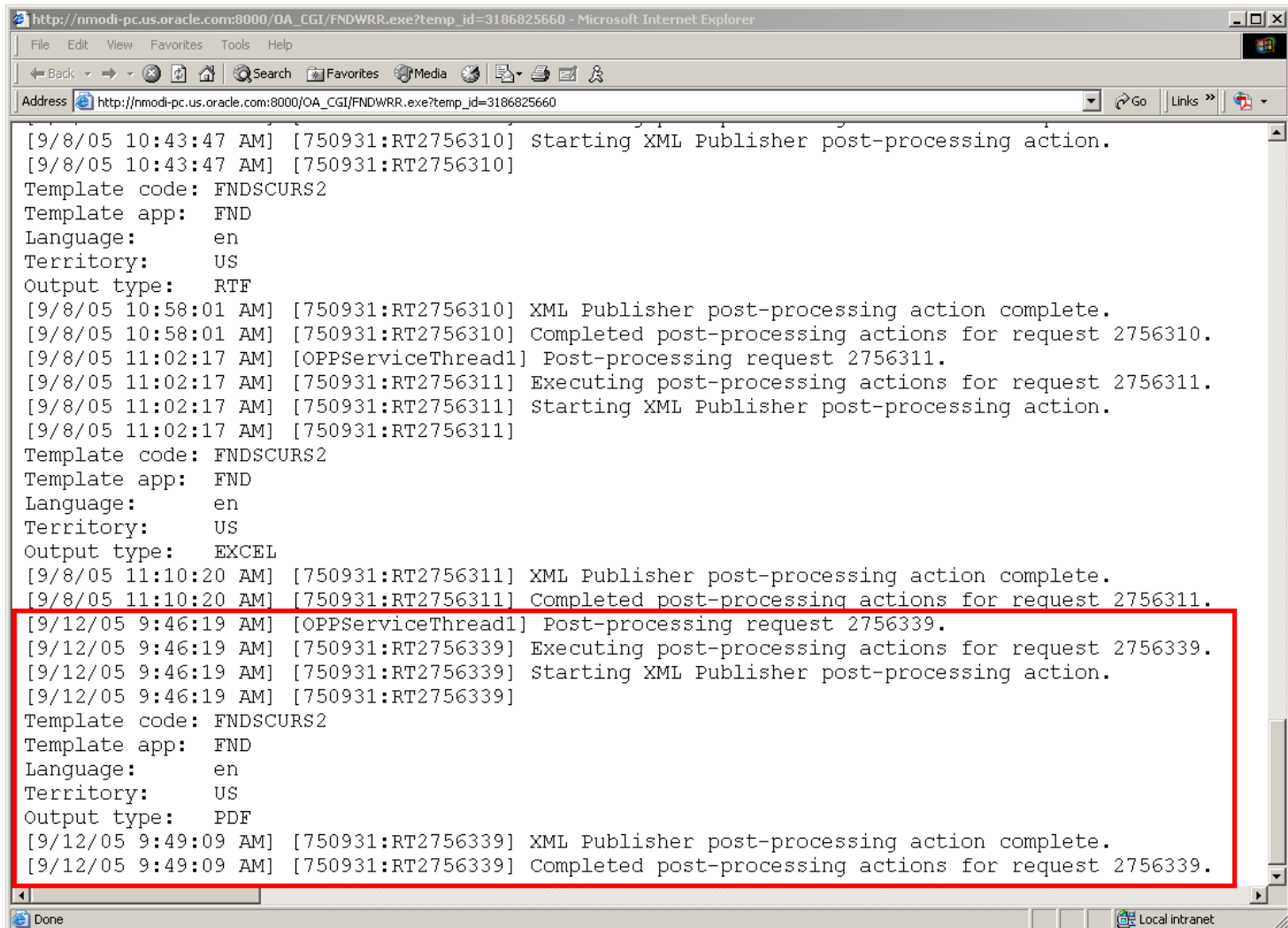
The screenshot shows the Oracle Applications Vision interface. The main window is titled 'Concurrent Processes' and displays details for the 'Output Post Processor' manager on the 'NMODI-PC' node. Below the manager name, there is a table of concurrent processes. The table has columns for Status, Concurrent, Oracle, System, Running, System, and Start Date. The first row shows an 'Active' process with Concurrent ID 750931, Oracle ID 35, and System ID 1437, starting on 07-SEP-2005 at 16:31:49. Below the table, the 'Service Info' field shows '750931: 2 service threads running'. At the bottom of the window, there are three buttons: 'Request Log', 'Internal Manager Log', and 'Manager Log'. The 'Manager Log' button is circled in red. An 'Open' button is visible below the 'Manager Log' button.

Status	Concurrent	Oracle	System	Running	System	Start Date
Active	750931	35	1437			07-SEP-2005 16:31:49

Service Info: 750931: 2 service threads running

Buttons: Request Log, Internal Manager Log, **Manager Log**, Open

How to Get the Log File of the OPP



```
http://nmodi-pc.us.oracle.com:8000/OA_CGI/FNDWRR.exe?temp_id=3186825660 - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://nmodi-pc.us.oracle.com:8000/OA_CGI/FNDWRR.exe?temp_id=3186825660
[9/8/05 10:43:47 AM] [750931:RT2756310] Starting XML Publisher post-processing action.
[9/8/05 10:43:47 AM] [750931:RT2756310]
Template code: FNDSCURS2
Template app: FND
Language: en
Territory: US
Output type: RTF
[9/8/05 10:58:01 AM] [750931:RT2756310] XML Publisher post-processing action complete.
[9/8/05 10:58:01 AM] [750931:RT2756310] Completed post-processing actions for request 2756310.
[9/8/05 11:02:17 AM] [OPPSERVICEThread1] Post-processing request 2756311.
[9/8/05 11:02:17 AM] [750931:RT2756311] Executing post-processing actions for request 2756311.
[9/8/05 11:02:17 AM] [750931:RT2756311] Starting XML Publisher post-processing action.
[9/8/05 11:02:17 AM] [750931:RT2756311]
Template code: FNDSCURS2
Template app: FND
Language: en
Territory: US
Output type: EXCEL
[9/8/05 11:10:20 AM] [750931:RT2756311] XML Publisher post-processing action complete.
[9/8/05 11:10:20 AM] [750931:RT2756311] Completed post-processing actions for request 2756311.
[9/12/05 9:46:19 AM] [OPPSERVICEThread1] Post-processing request 2756339.
[9/12/05 9:46:19 AM] [750931:RT2756339] Executing post-processing actions for request 2756339.
[9/12/05 9:46:19 AM] [750931:RT2756339] Starting XML Publisher post-processing action.
[9/12/05 9:46:19 AM] [750931:RT2756339]
Template code: FNDSCURS2
Template app: FND
Language: en
Territory: US
Output type: PDF
[9/12/05 9:49:09 AM] [750931:RT2756339] XML Publisher post-processing action complete.
[9/12/05 9:49:09 AM] [750931:RT2756339] Completed post-processing actions for request 2756339.
Done Local intranet
```

How to Turn on XDO Debug in EBS R12

Turn on debug on the concurrent processing node.

1. Select `node_name`, `status`, `support_cp`, `support_web` from `fnd_nodes`;
2. For each node identified as active (`status='Y'`) for `support_cp` and/or `support_web = 'Y'` do:

- a. Create a directory `temp` under `$XDO_TOP`.
- b. Create a directory `resource` under `$XDO_TOP`.
- c. Under `$XDO_TOP/resource` create a file `xdodebug.cfg`.

This file has only two lines:

```
LogLevel=STATEMENT
```

```
LogDir=<absolute path to $XDO_TOP/temp on the current node>
```

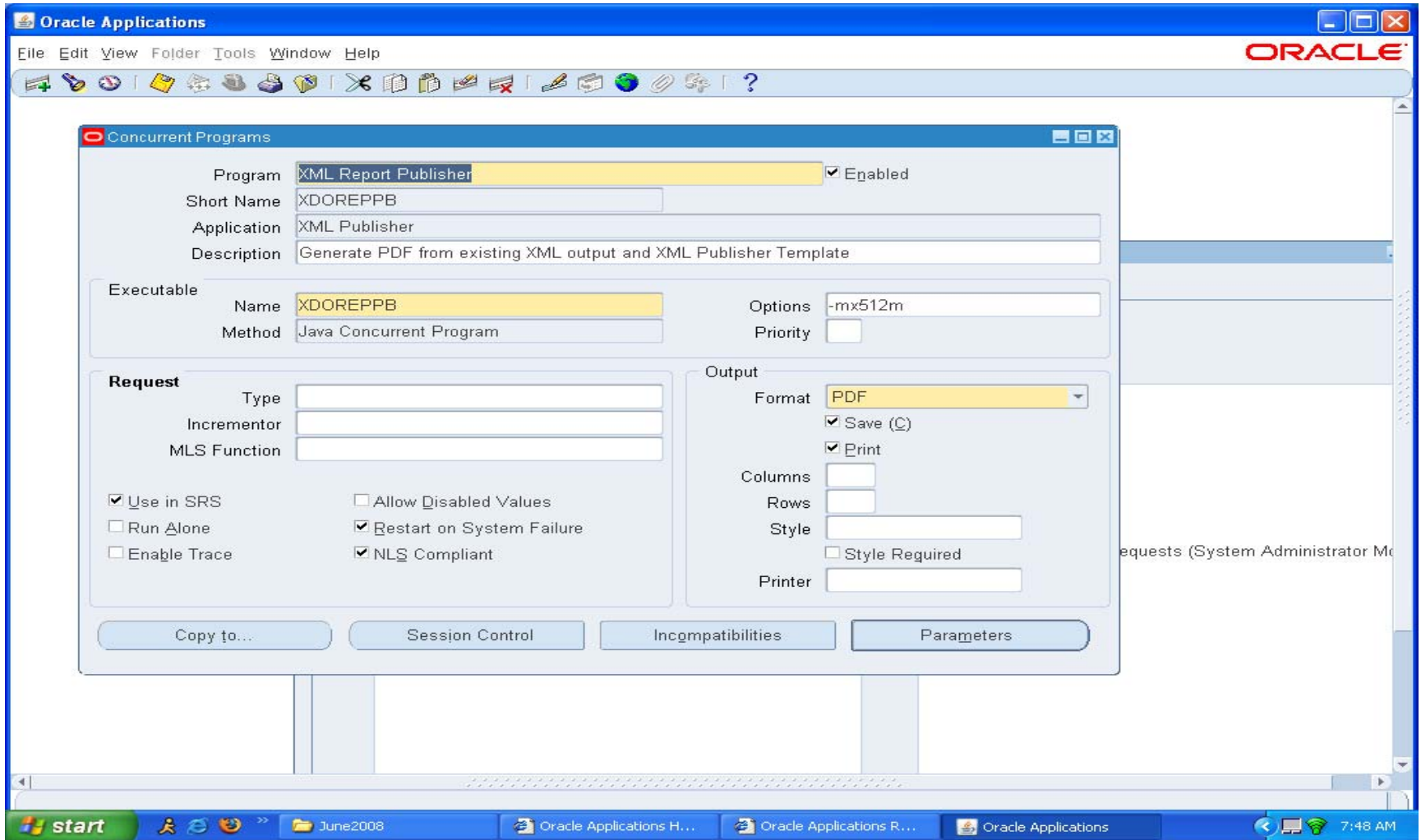
- d. The **applmgr** user (owner of the `$APPL_TOP` file system) needs **rw** permissions on both directories created under `$XDO_TOP`.
- e. Test your program.

Debug files are generated in `$XDO_TOP/temp`. They include: `.xml` data file, `.xsl` template translation, `.fo` formatted output, `.out` output, and **xdo.log** which is a detailed log of the process.

Debug for the XML Report Publisher

- As System Administrator, Navigate to Concurrent > Program > Define.
- Query up XML Report Publisher (XDOPREPPB).
- Change the Debug Flag Parameter to Visible (checkbox).
- Run the Request, set the Debug Flag Parameter to Y.
- Request log will now be more detailed

Debug for the XML Report Publisher



Debug for the XML Report Publisher

The screenshot shows the Oracle Applications interface with the Concurrent Program Parameters window open for the XML Report Publisher. The window displays various configuration options for the program, including a table of parameters and validation settings.

Program: XML Report Publisher
Application: XML Publisher

Conflicts Domain: [Empty]
Security Group: [Empty]

Seq	Parameter	Description	Enabled
20	Template	Template	<input checked="" type="checkbox"/>
40	Template Locale	Template Locale	<input checked="" type="checkbox"/>
50	Debug Flag	Debug Flag	<input checked="" type="checkbox"/>
60	Template Type	Template Type	<input checked="" type="checkbox"/>

Validation:
Value Set: Yes/No
Default Type: Constant
 Required Enable Security
Description: [Empty]
Default Value: Y
Range: [Empty]

Display

Display Size: 4
Description Size: 50
Concatenated Description Size: 4
Prompt: Debug Flag

Token: DebugFlag

Debug for the XML Data Template Extract – XDODTEXE

- As System Administrator, Navigate to Concurrent > Program > Define.
- Query up the report using XDODTEXE as its executable..
- Add a Parameter **Debug Flag**.
 - Value set should be **yes_no**
 - Default value should be **Y**.
 - Select checkboxes **Enable** and **Required**.
 - Token needs to be **DebugFlag** (case sensitive value).
 - If you select the check box **Displayed**, users can turn this off at runtime. In production you will usually want the default to be 'N'.

Debug for the XML Data Template Extract – XDODTEXE

The screenshot displays the Oracle Applications Navigator interface. The main window is titled 'Concurrent Program Parameters' and shows the configuration for the program 'GL Cash Clearing Account Analysis Report' under the 'General Ledger' application. The parameters are listed in a table below.

Seq	Parameter	Description	Enabled
60	From Accounting Period	From Accounting Period	<input checked="" type="checkbox"/>
70	To Accounting Period	To Accounting Period	<input checked="" type="checkbox"/>
80	Detail/Summary Layout	Detail/Summary Layout	<input checked="" type="checkbox"/>
90	Debug Flag		<input checked="" type="checkbox"/>

Additional configuration details for the 'Debug Flag' parameter (Seq 90):

- Value Set: Yes/No
- Default Type: Constant
- Default Value: Y
- Range: (empty)
- Required: Enable Security:
- Display:
- Display Size: 40
- Concatenated Description Size: 25
- Description Size: 50
- Prompt: Debug Flag
- Token: DebugFlag

The Oracle Applications Manager window in the background shows the 'Concurrent Programs' tree with the 'Debug Flag' parameter selected.

Debug for the XML Bursting Report – XDOBURSTREP

- The program definition comes seeded with a **DebugFlag** parameter.
- If called using **fnd_request.submit_request** then the **DebugFlag** parameter should be set to 'Y'.

Debug for the XML Bursting Report – XDOBURSTREP

Oracle Applications

File Edit View Folder Tools Window Help

ORACLE

Concurrent Programs

Program XML Publisher Report Bursting Program Enabled

Short Name XDOBURSTREP

Application XML Publisher

Description XML Publisher Report Bursting Program

Executable

Name XDOBURSTRPT Options -mx500m

Method Java Concurrent Program Priority

Request

Concurrent Program Parameters

Program XML Publisher Report Bursting Program

Application XML Publisher

Conflicts Domain Security Group

Seq	Parameter	Description	Enabled
5	Dummy for Data Security	Dummy for Data Security	<input checked="" type="checkbox"/>
10	Request ID	Request ID	<input checked="" type="checkbox"/>
20	DebugFlag	Debug Mode	<input checked="" type="checkbox"/>

Validation

Value Set Yes_No Description This value set only contains

Default Type SQL Statement Default Value select meaning from FND_LC

Required Enable Security Range

Display

Display Size 10 Description Size 50

Concatenated Description Size 25 Prompt DebugFlag

Token DebugFlag

start Feb2009 ITS Enhancer @its.or... Microsoft PowerPoint ... Oracle Applications H... Oracle Applications R... Oracle Applications 7:07 AM

Set Up for Large Reports

- Many large reports in R12 use XDODTEXE to generate the XML data file extract.
- The output is generated by merging the data and a layout template by the Output Post Processor (JAVA) concurrent manager.
- There are two bottlenecks for these reports: XDODTEXE and the OPP both require tuning to avoid JVM memory issues.

Set Up XDODTEXE For Large Reports

The log of this program will show this error:

Calling XDO Data Engine...

****Warning!!! Due to high volume of data, got out of memory exception...****

****Please retry with scalable option or modify the Data template to run in scalable mode...****

As System Administrator:

1. Navigate to **Concurrent > Program > Define**.

2. Query up the report.

3. Add a parameter: **Scalable Flag**

Value set should be **yes_no**

Default value should be **Y**.

Select checkboxes **Enable** and **Required**.

Do not select the check box **Displayed**, or users could turn this off at runtime.

Token needs to be **Scalable Flag** (this is a case sensitive value).

Under Execution Options enter **-Xmx1024m**.

If the error persists this value may need to be increased (I suggest .5 GB intervals.)

Set Up the OPP for Large Reports

The Output Post Processor log will show this error:

"java.lang.OutOfMemoryError: Java heap space"

Configure the Output Post Processor's JVM.

These steps set the JVM to 2GB, depending upon the server's size you might find 3 GB (-mx3072m), 4GB (-mx4096m) or even 5GB (-mx5120m) is a better value.

Login to SQL*Plus as APPS.

```
SQL>update FND_CP_SERVICES set
DEVELOPER_PARAMETERS =
'J:oracle.apps.fnd.cp.gsf.GSMServiceController:-
mx2048m'
where SERVICE_ID = (select MANAGER_TYPE from
FND_CONCURRENT_QUEUES
where CONCURRENT_QUEUE_NAME = 'FNDCPOPP');
```

Bounce the concurrent managers.

XML Publisher References

- Note 364547.1 – Troubleshooting Oracle XML Publisher For The Oracle E-Business Suite
- Note 737311.1 – How to Configure the Account Analysis Report in Release 12 for Large Reports
- XML Publisher 5.6.3
 - Note 422508.1 - About Oracle XML Publisher Release 5.6.3
 - Oracle XML Publisher Administration and Developer's Guide Release 12 B31412-01
 - Oracle XML Publisher Report Designer's Guide Release 12 B31410-01

SOFTWARE. HARDWARE. COMPLETE.