



Introduction to BI Publisher in R12: Getting Started

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STR Software



About STR Software

- **STR Software**

- Located in Richmond, VA
- Focused on document delivery solutions since 1988
- Over 1,230 licenses of AventX in 47 states and 19 countries
- Over 94% customer retention
- Oracle Gold Partner with staff of Oracle Certified Professionals
- OAUG 2-Star Elite partner for 2011
- www.strsoftware.com

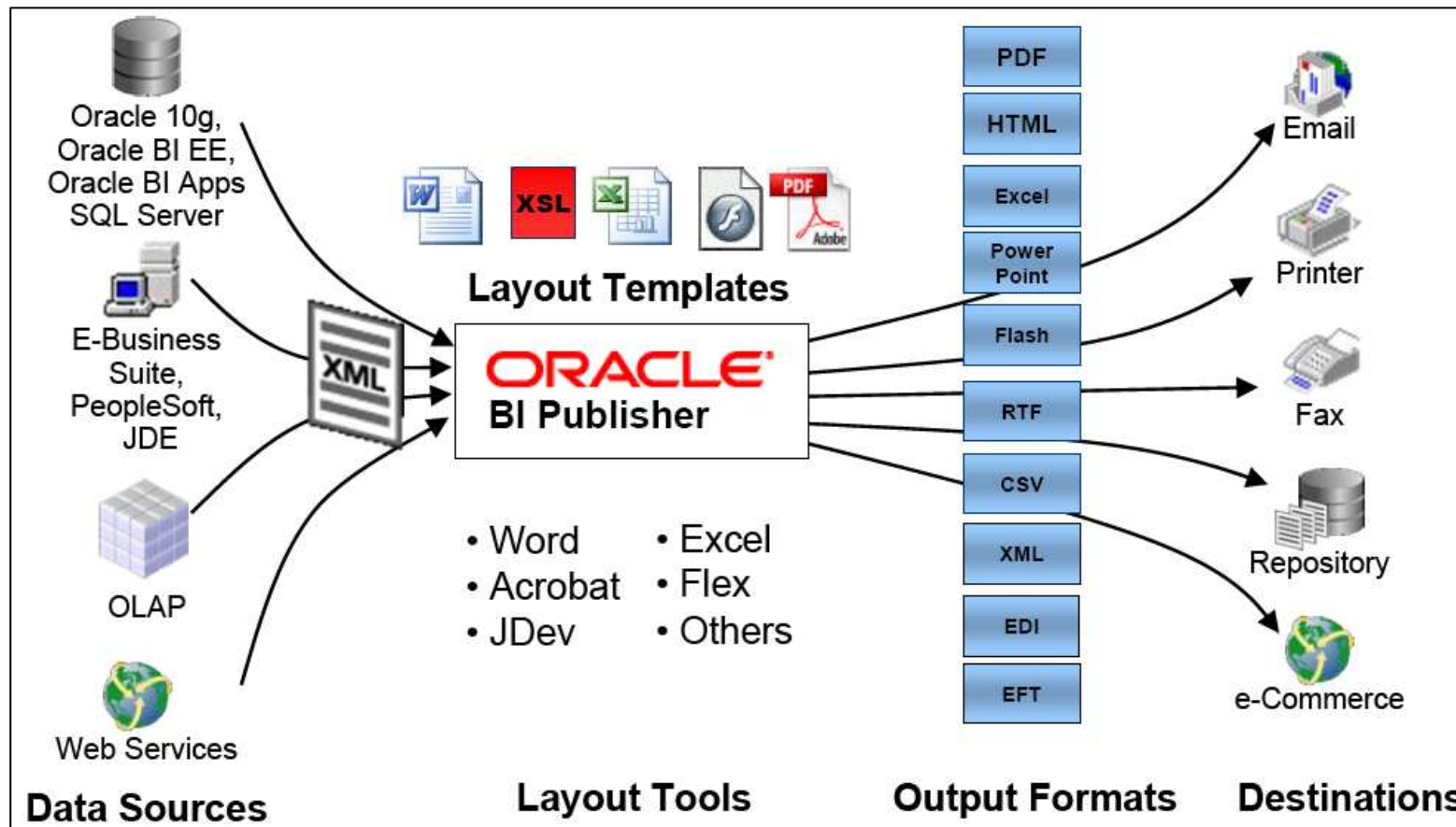
- **Brent Lowe**

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- <http://www.thelowedownblog.com>

- Introduction
- Standardized BIP in EBS
 - BIP in EBS
 - Data Creation
 - Layout Template Creation
 - Output
 - Delivery
- Deviations from the Standard
- Where/How to Get Help
- Wrap-up and Q&A

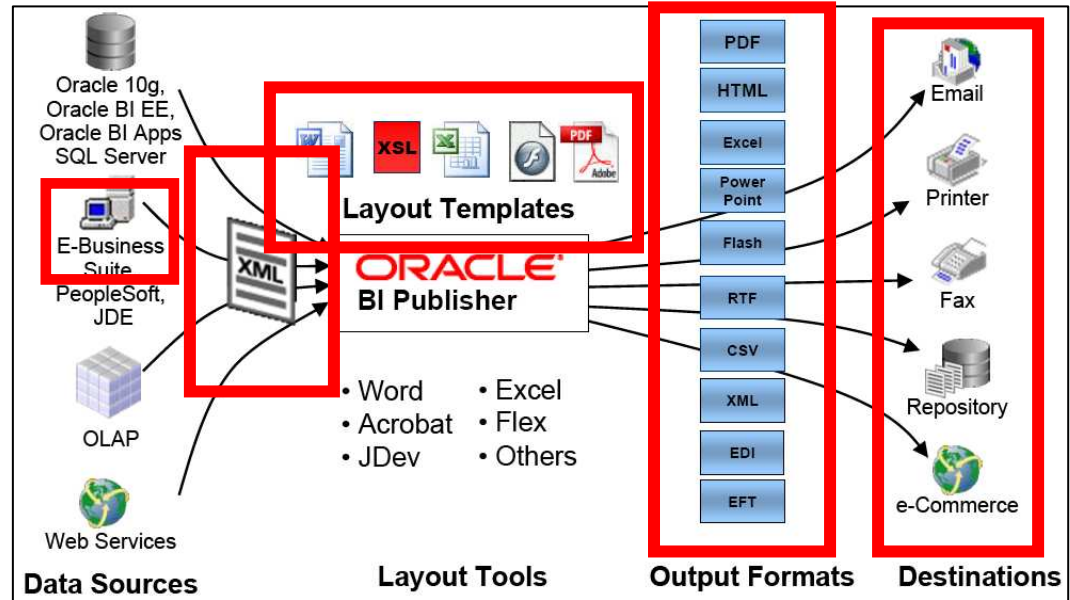


Introduction – BI Publisher



AVENTIX General Concepts

- BIP in EBS
- Data Model
- Layout Templates
- Report Creation
- Delivery & Bursting





BIP in EBS R12

BI Publisher == XML Publisher

For EBS: 5.6.3

Running R12? -> Congrats, you already have 5.6.3!

Running 11i? -> MOS 422508.1 – About Oracle XMLP Release 5.6.3



Get to the Latest Version of BIP for EBS

Patch 5.6.3!

MOS 1138602.1 – Overview of Available Patches for Oracle XML Publisher (embedded in Oracle E-Business Suite)

Some Individual Patches are available

Patch Sets are rolled into ATG Family Packs.

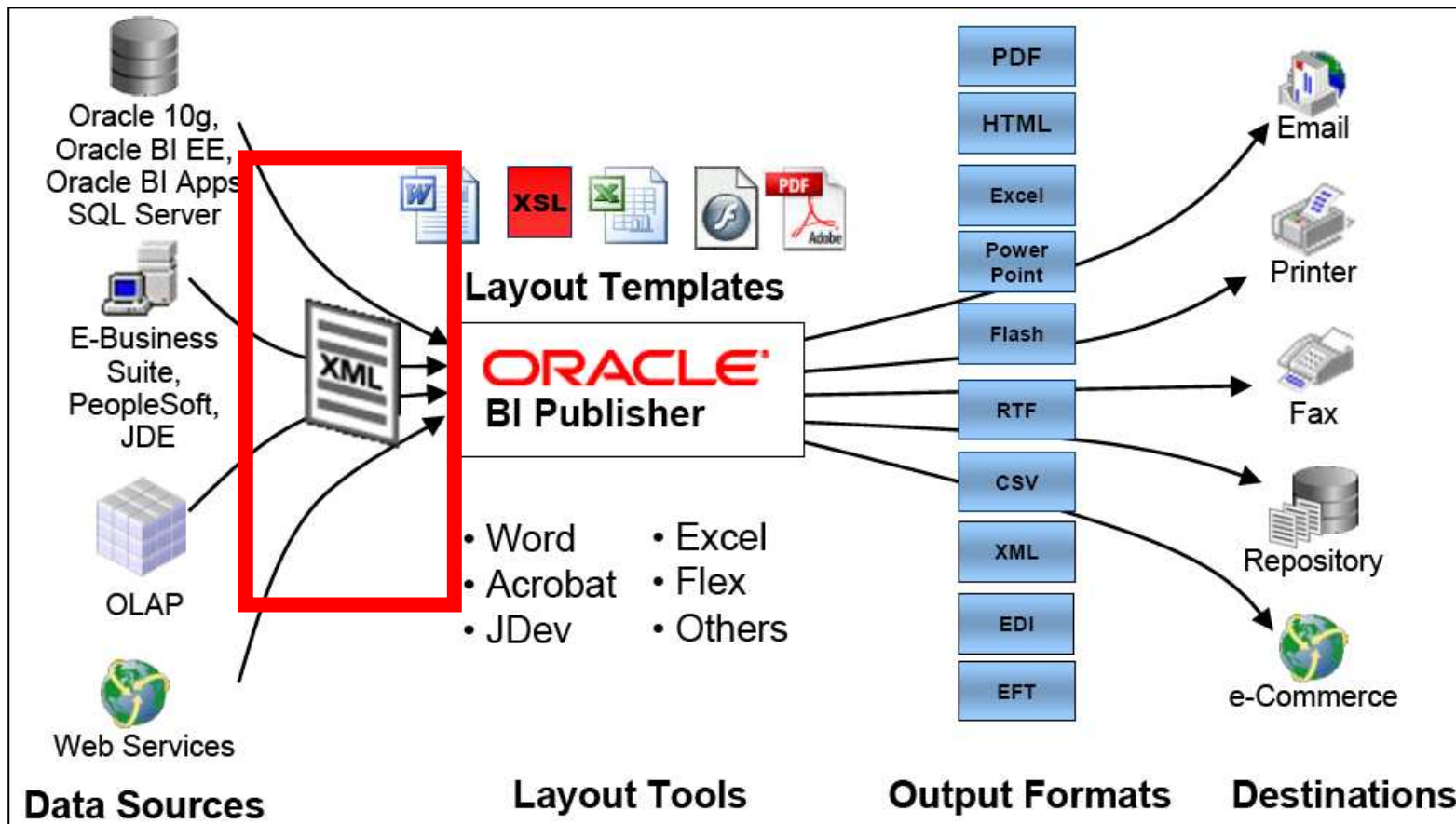


New Responsibility





Data Model – Creating the XML





The Standard Offering – Data Model

Having Oracle EBS generate **XML data** is the key to reporting.

- Oracle Reports
- Data Templates





Data Model: Oracle Reports

- Utilize your EXISTING Oracle Reports!

- But aren't Oracle Reports going away?



Data Model: Oracle Reports

- Demo – How to setup Oracle Reports to output XML



Data Model: Data Template

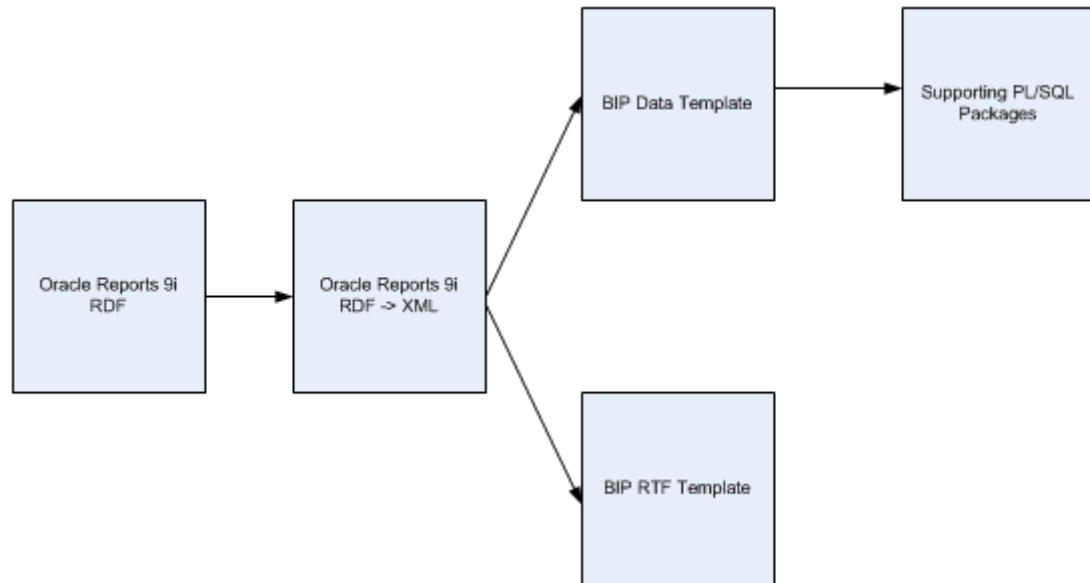
- Native BI Publisher Concept – Exists as text based file that looks like XML
- Serves two functions.
 - Retrieve Data using SQL queries.
 - Define how the data is to be formatted as XML.
- Why Use Data Template over Oracle Report?
 - Speed
 - Flexibility
 - Removes duplicity of layout
 - 2000+ Data Templates included in R12.1



Data Model: Data Template

- Example

- Conversion API





Data Model: Data Template → Concurrent Program

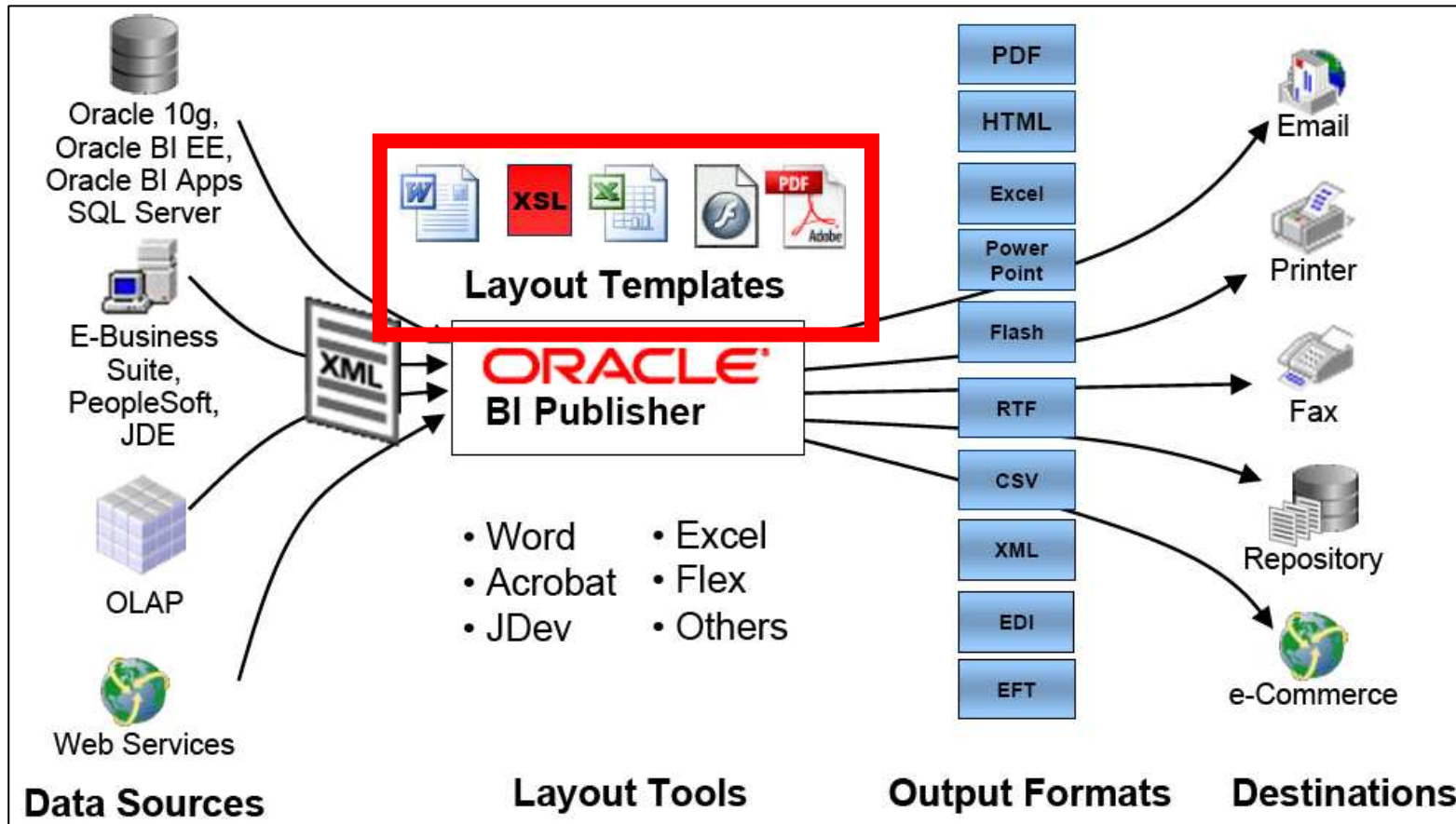
- Concurrent Manager must have Program Definition to generate output!
- Set 'Executable' to XDODTEXE
- Demo



Data Model -> Data Definition

- Regardless of Oracle Report or Data Template, must register a Data Definition.
- XML Publisher Administrator Responsibility
- Demonstration

AVENTIX Layout Templates





Layout Templates

- Define the look and feel of the finished output.
- Layout Templates can be created in a number of formats including eText, **PDF, RTF**, XSL-FO, XSL-HTML, XSL-XML and XSL-TEXT.

- BI Publisher Desktop

Latest version is 11.1.1.3.0

Use the version built with the same libraries as 5.6.3 -> 10.1.3.2

Patch 12395372



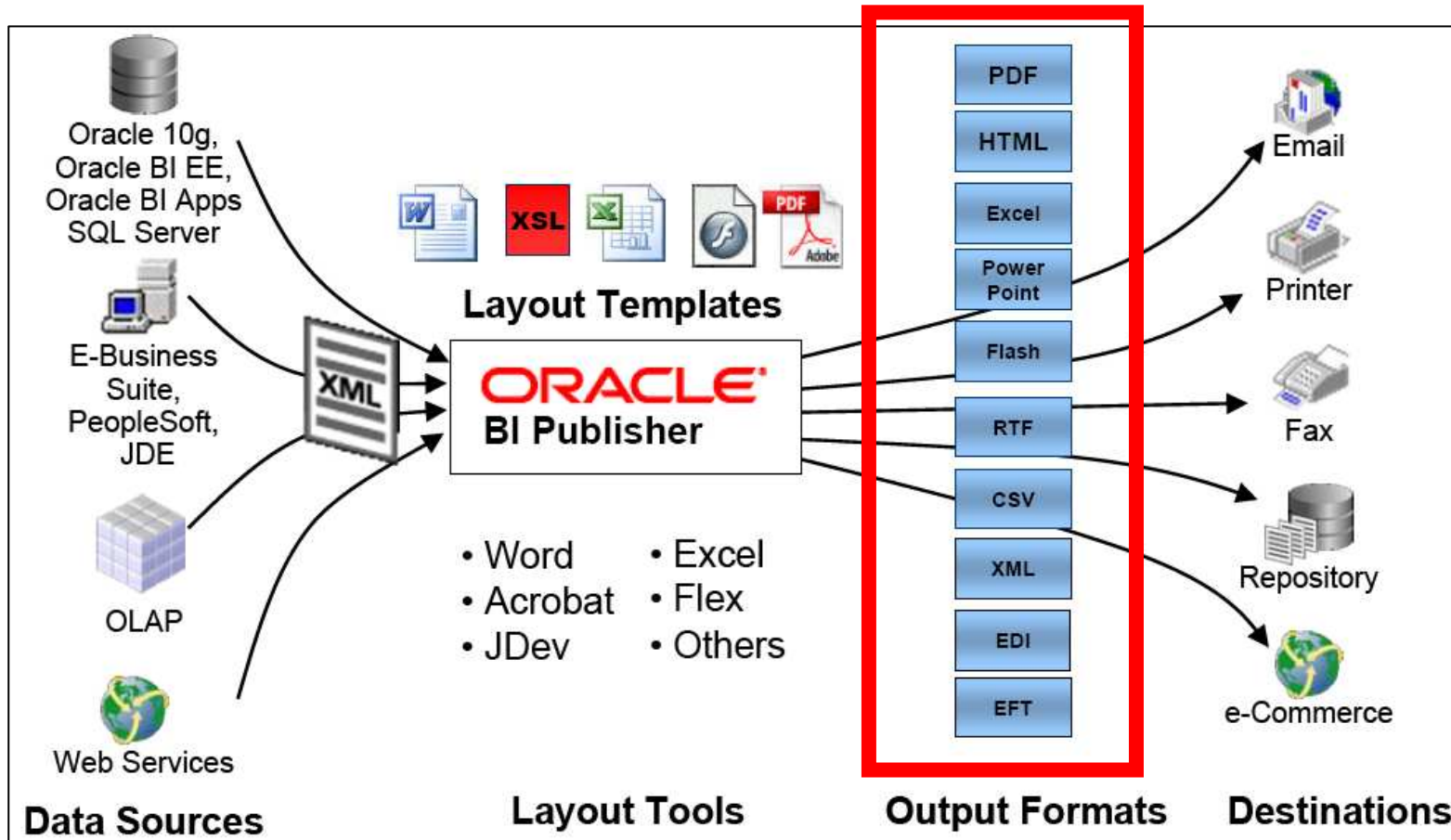
- Oracle's "Anatomy of a Template" Presentation (MOS 740964.1)
- 2700+ Layout Templates included in R12.1



Layout Template -> Registration

- XML Publisher Administrator Responsibility -> Templates.
- Upload Template, Associate with Data Definition, Assign Locale, Preview Finished Report.
- Demonstration

AVENTIX Report Creation





Report Creation

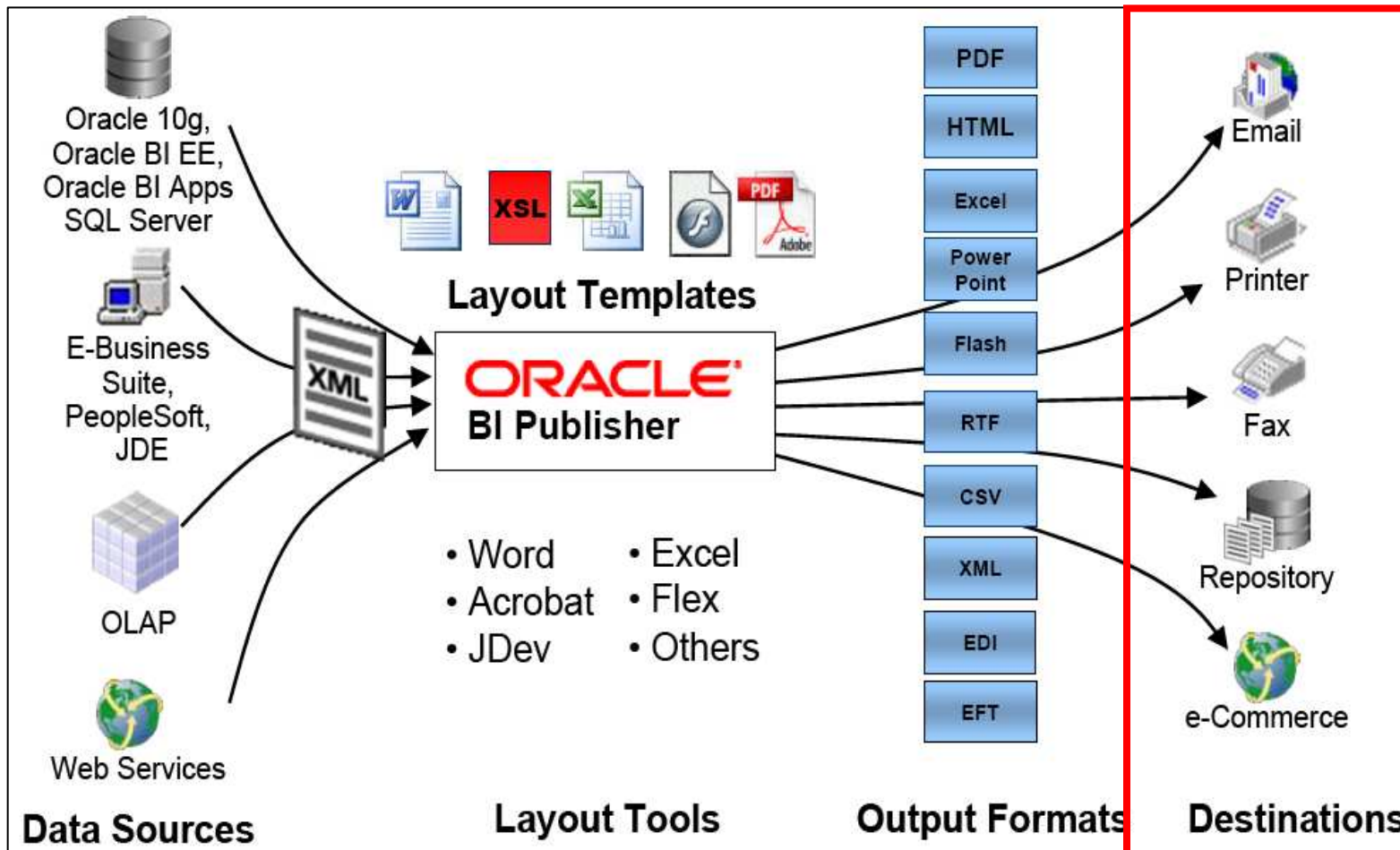
- EBS Supported Output Formats
 - Excel
 - FO
 - HTML
 - PDF
 - RTF

- Simple as running a Concurrent Request

- Demonstration



BI Publisher Delivery Manager





Document Transmission Methods

- EMAIL
 - Sends email using company's mail server.
 - Ability to dynamically set email message body, document file name, to, cc, bcc, subject and from information.
 - No confirmation on delivery of document.

- PRINT
 - Prints to CUPS based printer via IPP.
 - Does not utilize standard Oracle EBS Printer definitions

- FAX
 - No true built in fax functionality.
 - Oracle recommends open source software FAX4CUPS and efax to communicate with fax modems via a CUPS printer.
 - Ability to dynamically set Fax Number only.

- Other (WebDAV, FTP)

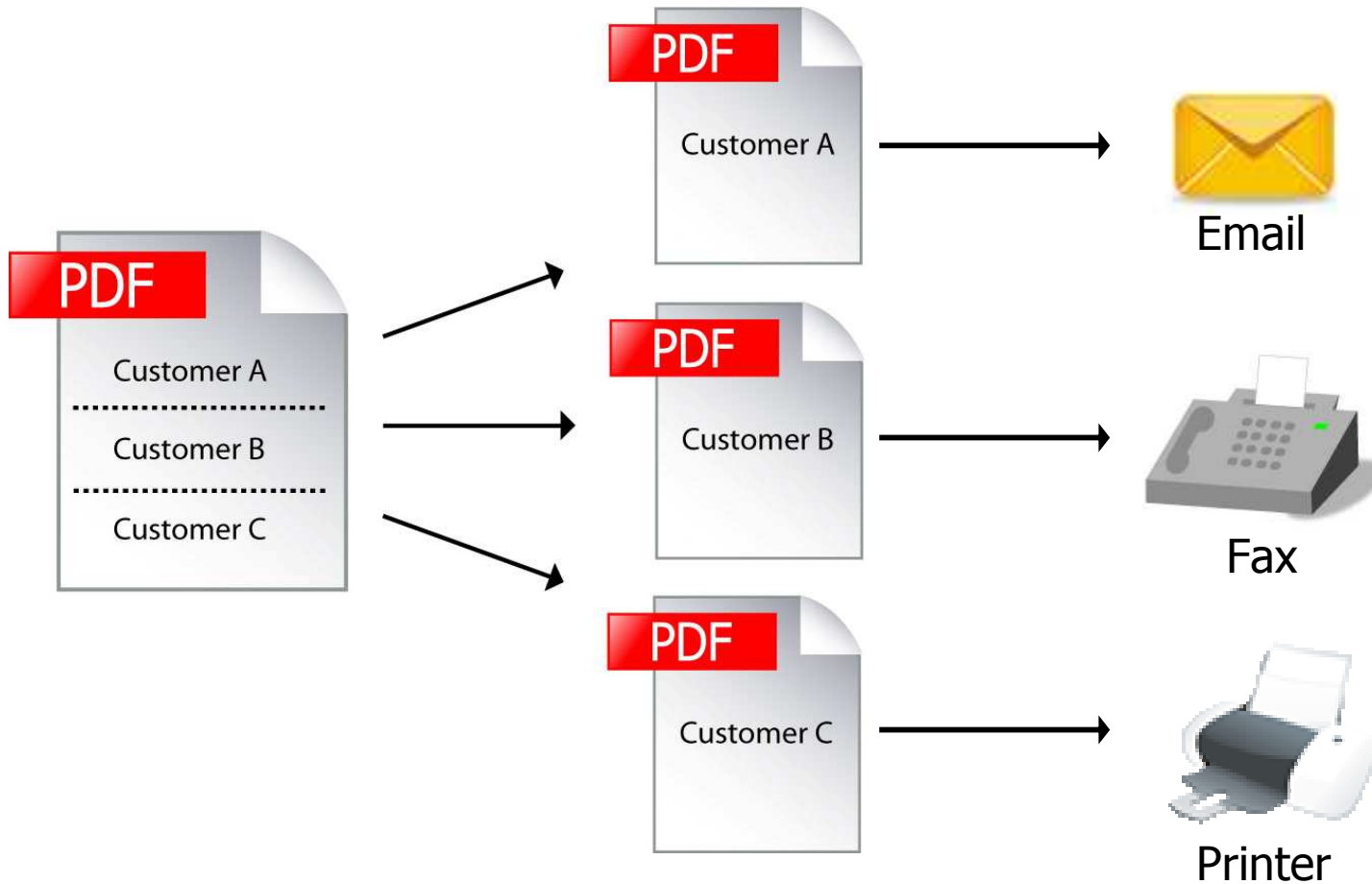


Intro - BIP Delivery Manager & EBS

- Exposed via 2 main methods
 - Bursting Control Files
 - Oracle 12.1.3 – Delivery Options Form



11.5.10 - R12.1.3 Report Bursting & Delivery





Bursting Control Files

- A bursting control file is an XML based file that defines the answers to 4 main questions.
 1. How do I burst the document?
 2. How do I deliver the burst file?
 3. Where do I deliver the burst file?
 4. What should the delivered file look like?



Bursting Control File

```
<?xml version="1.0" encoding="UTF-8" ?>
- <xapi:requestset xmlns:xapi="http://xmlns.oracle.com/oxp/xapi">
- <xapi:request select="/RAXINV/LIST_G_ORDER_BY/G_ORDER_BY/LIST_G_INVOICE/G_INVOICE">
- <xapi:delivery>
- <xapi:email server="mail.strsoftware.com" port="25" from="qa@strsoftware.com" reply-to="qa@strsoftware.com">
  <xapi:message id="email1" to="brent.lope@strsoftware.com" cc="" content-type="text/html" attachment="true" subject="Invoice #${TRX_NUMBER}">Dear
  Sir/Madam, Please find the attached invoice #${TRX_NUMBER} for ${BILL_CUST_NAME} dated ${TRX_DATE}. <br><br> Regards,<br> STR Software
  Receivables</xapi:message>
</xapi:email>
- <xapi:fax server="ipp://grimlock:631/printers/axtkocupsprinter">
  <xapi:number id="fax1">${BILL_ADDRESS4}</xapi:number>
</xapi:fax>
</xapi:delivery>
- <xapi:document key="${BILL_CUST_NAME}" output="Invoice_#${TRX_NUMBER}.pdf" output-type="pdf" delivery="email1">
  <xapi:template type="rtf" location="xdo://AR.COPY_RAXINV_SELB.en.US/?getSource=true" filter="//G_INVOICE[BILL_ADDRESS3='EMAIL']" />
</xapi:document>
- <xapi:document key="${BILL_CUST_NAME}" output="Fax_Invoice_#${TRX_NUMBER}.pdf" output-type="pdf" delivery="fax1">
  <xapi:template type="rtf" location="xdo://AR.COPY_RAXINV_SELB.en.US/?getSource=true" filter="//G_INVOICE[BILL_ADDRESS3='FAX']" />
</xapi:document>
</xapi:request>
</xapi:requestset>
```

How to burst the document?

How to deliver the burst file?

Where to deliver the burst file?

What should the delivered file look like?



Bursting Control File - Registration

- Upload Bursting Control File to Data Definition

The screenshot displays the 'Data Definitions' section of the AVENTIX software. The main heading is 'View Data Definition: Purchase Order Detail Report - BIP'. Below this, there are tabs for 'Templates', 'Data Definitions', and 'Administration'. The 'General' tab is active, showing details for the data definition: Name 'Purchase Order Detail Report - BIP', Application 'Purchasing', Code 'POXPOSTD_BIP', and Start Date '02-Sep-2010'. A description field contains 'Purchase Order Detail Report for BIP Demo'. Below the general information is a 'Files' section with four rows: 'XML Schema' with an 'Add File' button, 'Data Template' with 'Data_Template.xml' and an 'Update File' button, 'Preview Data' with an 'Add File' button, and 'Bursting Control File' with an 'Add File' button. A red arrow points from the 'Personalize Stack Layout' link in the General section down to the 'Bursting Control File' 'Add File' button. A red box highlights the 'Bursting Control File' row. At the bottom left, there is a link 'Return to Data Definitions'.



Invoke Bursting

- 2 Step Process

Step 1: Run Concurrent Request to Generate Data.

Step 2: Run 'XML Publisher Report Bursting Program'
(Supply Step 1's Request ID as Parameter)



Submitting 2 Requests!?

- After Report Trigger

```
function xx_burst_data (nRequestID in number) return number is
```

```
  nCRID number := 0;
```

```
begin
```

```
  nCRID := find_request.submit_request('XD0', 'XDOBURST', "", "", FALSE, nRequestID, 'Y', chr(0));
```

```
  if (nCRID > 0) then
```

```
    commit;
```

```
  end if;
```

```
  return nCRID;
```

```
end;
```



Submitting 2 Requests!?

- PL/SQL Concurrent Program Wrapper

```
procedure SubmitAndBurst(errbuf OUT VARCHAR2, retcode OUT NUMBER, parameter list...) is
  nCRID number;
  vPhase varchar2(80);
  vStatus varchar2(80);
  vDPhase varchar2(30);
  vDStatus varchar2(30);
  vMessage varchar2(240);
begin
  nCRID := fnd_request.submit_request(REPORT TO RUN TO GET OUTPUT);
  if (nCRID > 0) then
    commit;
  end if;
  -- wait for request to complete
  fnd_concurrent.wait_for_request(nCRID, 60, 0, vPhase, vStatus, vDPhase, vDStatus, vMessage)
  if (dev_phase = 'COMPLETE' and dev_status = 'NORMAL') then
    --submit 2nd request to burst data
    nCRID := fnd_request.submit_request('XDO', 'XDOBURST', "", "", FALSE, nCRID, 'Y', chr(0));
  end if;
  ...
end;
```



Bursting Status Report

- XML Publisher Report Bursting Program creates it's own Report -> Bursting Status Report.
 - How document was burst
 - How documents were delivered
 - Status of delivery



Bursting Status Report

Bursting Status Report

Date: 2010-08-16 03:08:14
Page 1 Of 1

Request ID	4446348
Parent Request ID	4446347
Report Name	Invoice Print Selected Invoices - Bursting Demo
Output File	/disk1/oraapps/inst/apps/VIS1_silverbolt/logs/appl/conc/out/o4446348.zip

Key	Output Type	Delivery	Output	Status
Business World	pdf	Fax	/tmp/081610_035610028/Invoice_fax#10007144.pdf	Success
Hilman and Associates	pdf	email	/tmp/081610_035610028/Invoice_#10007145.pdf	Success



Bursting Control Files – Pros and Cons

- Pros:

- Bursting capability!
- Delivery capability!
- Out of the box ready for email/FTP

- Cons:

- Cumbersome setup with XML based configuration files.
- 2 step process to deliver documents.
- Delivery status can be misleading.
- Restricted to utilizing data in XML file for delivery information.



12.1.3 Delivery Options Form

- ANY report
- ONE off delivery
- No Bursting

Submit Request

Run this Request...

Name: Active Users

Operating Unit:

Parameters:

Language: American English

Language Settings... Debug Options

At these Times...

Run the Job: As Soon as Possible

Schedule...

Upon Completion...

Save all Output Files

Layout:

Notify:

Print to: noprint

Options... Delivery Opts

Help (F1) Submit Cancel



12.1.3 Delivery Options Form

Deliver to...

IPP Printer | Email | Fax | FTP

Printers:	Username:	Password:	Copies:	Orientation:	For Language:
<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value="1"/>	<input type="text" value="Portrait"/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>

Buttons: Help, OK, Cancel



12.1.3 – IPP Print Tab

The screenshot shows a Windows-style dialog box titled "Deliver to...". It has four tabs: "IPP Printer", "Email", "Fax", and "FTP". The "IPP Printer" tab is selected. The dialog contains a table with the following columns: "Printers:", "Username:", "Password:", "Copies:", "Orientation:", and "For Language:". The first row of the table is highlighted in yellow. The "Copies" column has the value "1" and the "Orientation" column has a dropdown menu set to "Portrait". There are "Help", "OK", and "Cancel" buttons at the bottom of the dialog.

Printers:	Username:	Password:	Copies:	Orientation:	For Language:
[...]			1	Portrait	



12.1.3 IPP Print Tab - Configuration

- System Administration -> Delivery Options

The screenshot shows the Oracle System Administration web interface. The top navigation bar includes the Oracle logo, "System Administration" title, and links for "Navigator", "Favorites", "Diagnostics", "Home", and "Logout". The main content area is titled "Create Delivery Option" and contains the following fields:

- Enabled:** Radio buttons for "Yes" (selected) and "No".
- * Delivery Name:** A text input field.
- * Delivery Type:** A dropdown menu currently set to "IPP Printer".
- Description:** A text input field.

Buttons for "Cancel" and "Apply" are located to the right of the "Enabled" section.

Below this is the "Delivery Option Registration" section, which includes a link to "Personalize 'Delivery Option Registration'". It contains the following fields:

- * Host Name:** A text input field.
- * Port:** A text input field.
- * Printer Name:** A text input field.
- User Name:** A text input field.
- Password:** A text input field.
- Confirm Password:** A text input field.
- Sides:** A dropdown menu currently set to "1-Sided Printing".

At the bottom of this section are several checkboxes: "Authentication", "Encryption", "Use Full URL", "Use Chunked Body", and "Support Fax".

Buttons for "Cancel" and "Apply" are located at the bottom right of the form.



12.1.3 – IPP Print Tab - Pros and Cons

- Pros:
 - Allows for specification of a print job along with other delivery methods in one location.
 - Eliminates the need to configure EBS Print Drivers/Styles

- Cons:
 - CUPS – freeware/not supported
 - Bypasses standardized EBS Print Driver and Style configuration
 - Standard EBS printing is still executed upon completion of the request.
 - User Retraining



12.1.3 Email Tab

Deliver to...

IPP Printer **Email** Fax FTP

From:

Subject:

To:	CC:	For Language:
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Help OK Cancel



12.1.3 Email Tab - Configuration

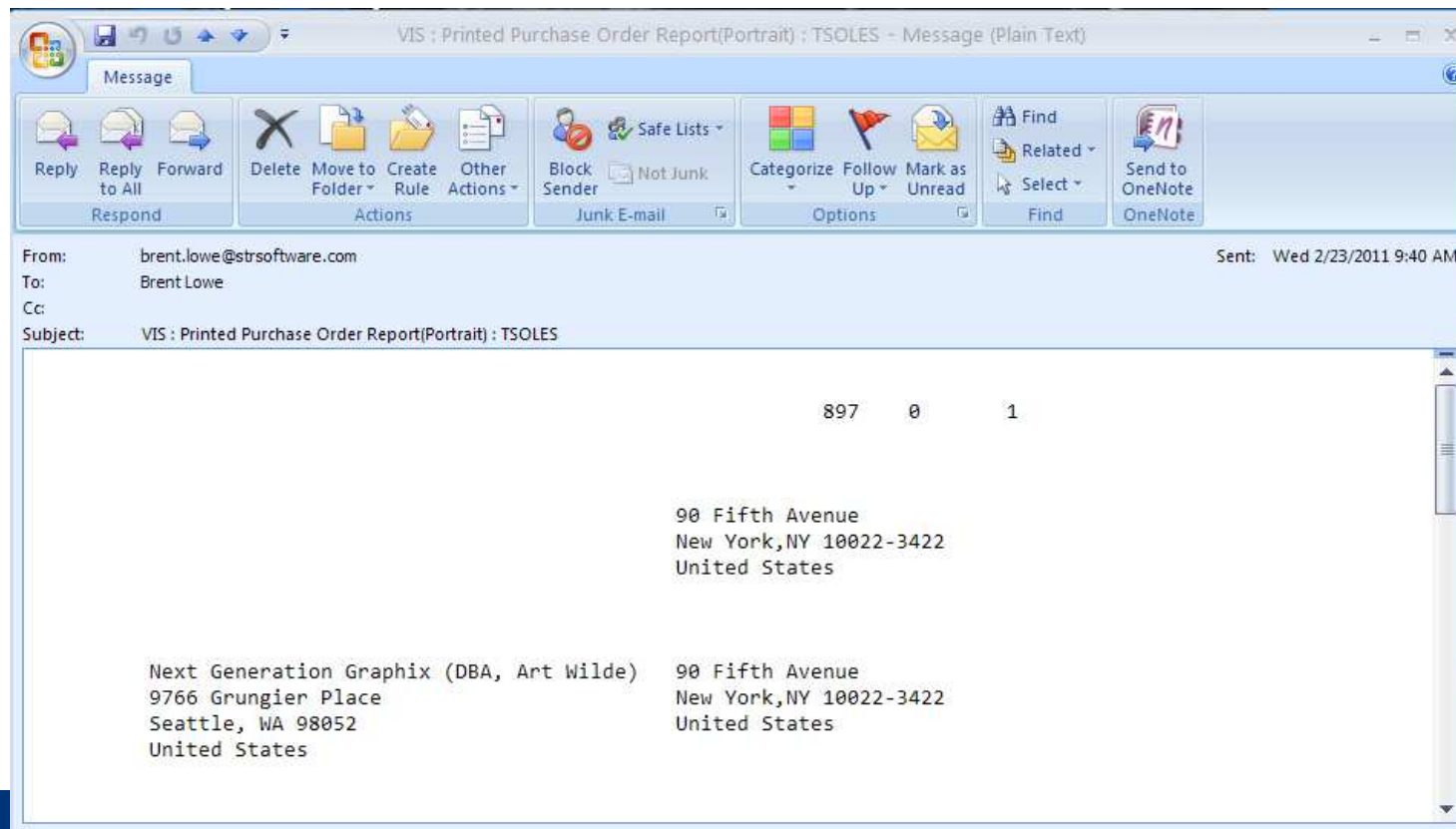
- Profile Values:
 - FND: SMTP Host
 - FND: SMTP Port

Profile Name	Default Value	User Value
FND: SMTP Host	mail.strsoftware.com	
FND: SMTP Port	25	



12.1.3 Email Tab - Functionality

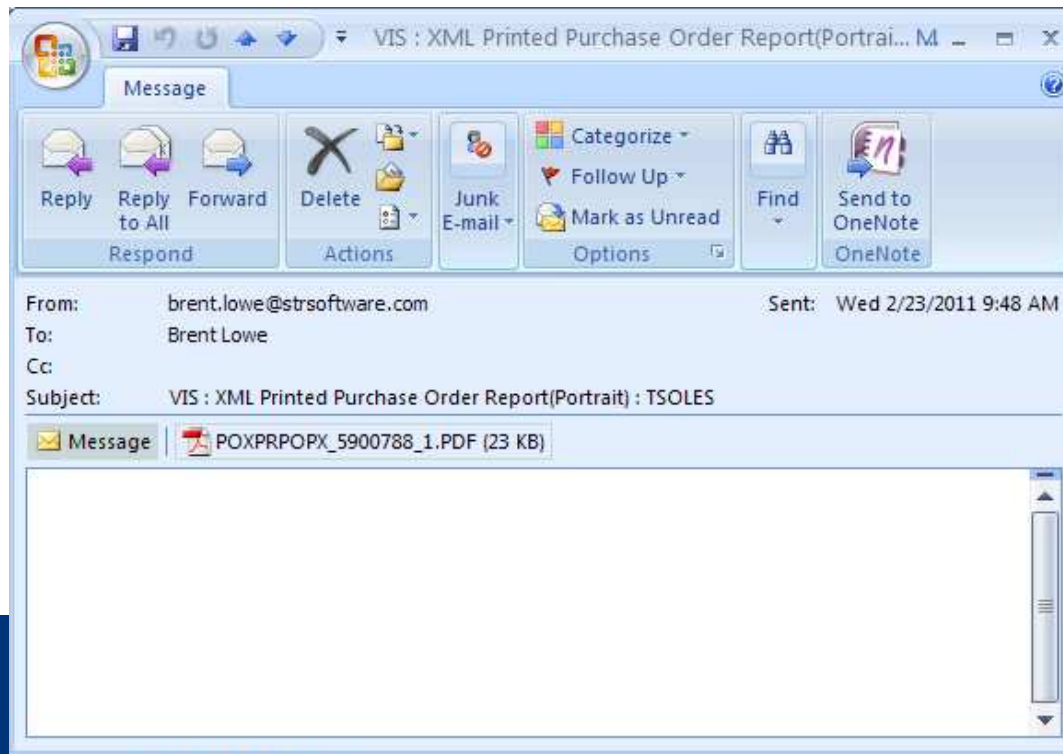
- Text based documents:
 - Email Message Body contains report contents. No attachment.





12.1.3 Email Tab - Functionality

- Non-Text based documents
 - Email Message Body is blank
 - Attachment name is based on concurrent program Short Name and Request ID. Example: POXPRPOPX_1234567.PDF





12.1.3 Email Tab – Pros and Cons

- Pros:
 - Can now email data from EBS!

- Cons:
 - User experience is cumbersome
 - Format of email
 - Attachment names
 - Branding



12.1.3 Fax Tab

Deliver to...

IPP Printer | Email | **Fax** | FTP

Fax Server:	Username:	Password:	Fax Number:	For Language:
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Help OK Cancel



12.1.3 Fax Tab - Requirements

- CUPS – Common UNIX Printing System (<http://www.cups.org>)
- efax – <http://www.cce.com/efax/>
- FAX4CUPS - <http://directory.fsf.org/project/fax4CUPS/>
- Fax Modem – Similar to the modem you used to dial into AOL, Prodigy and CompuServe, but is



12.1.3 Fax Tab Configuration

ORACLE System Administration

Navigator Favorites Diagnostics Home Logout

Create Delivery Option

Enabled Yes No

* Delivery Name

* Delivery Type

Description

Delivery Option Registration

[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



12.1.3 Fax Tab – Pros and Cons

- Depends on volume and exception handling.
 - Fax Modems are single threaded – not going to be able to push a lot of faxes through simultaneously.
 - Exception Handling - Set to success once handed off to CUPS.



12.1.3 FTP Tab

Server:	Port:	User:	Pwd:	Remote Dir:	For Language:	Secure
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>



12.1.3 FTP Tab - Functionality

- Transferring BI Publisher documents:
 - <PROGRAM_SHORTNAME>_<REQUEST_ID>.PDF
- Transferring Oracle Report data:
 - o<REQUESTID>.out



12.1.3 FTP Tab – Pros and Cons

- Pros:
 - Remove need for backend FTP scripts.
- Cons:
 - Filename not configurable.
 - Don't fat finger the data entry!



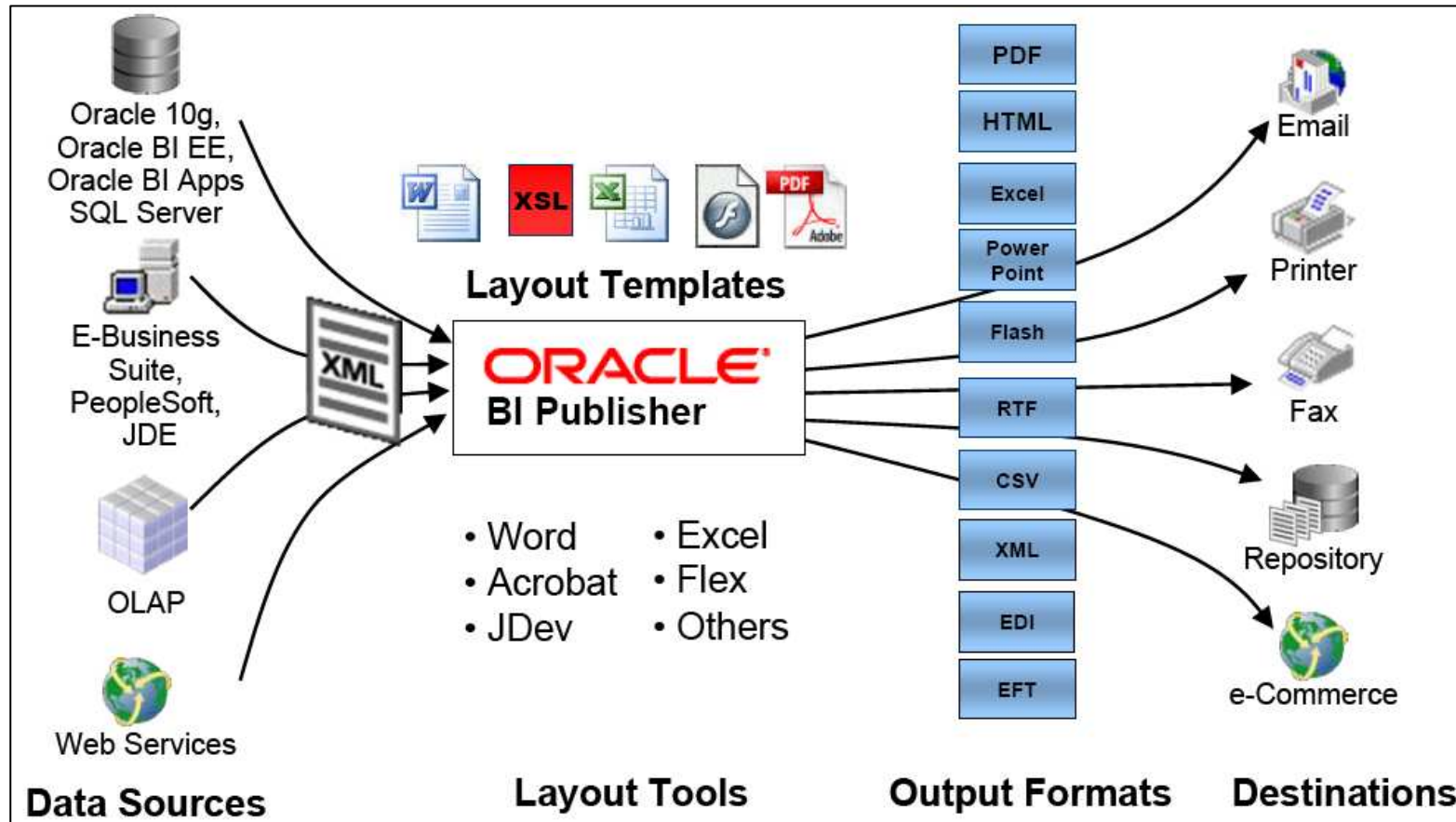
12.1.3 Delivery Options Conclusions

- Pros
 - Good start to delivery mechanism in EBS
 - Best feature: Email

- Cons
 - Disjointed configuration (email vs fax/print)
 - User experience
 - Delivery Status
 - No way to turn off, users will find and try to use this.



Standard Offering w/in Oracle EBS





Deviations from the Standard

- EBS Application developers have used BIP APIs outside of ATG's standard
 - **Advanced Procurement**
 - Advanced Collections
 - Payables



Advanced Procurement

- PO Approval Process – Release Purchase Orders based on workflow process.
- Variations
 - Setup
 - XML Generation & Layout Templates
 - Report Generation & Delivery
 - Other Uses





Advanced Procurement

- Setup
 - Purchasing Super User Responsibility -> Setup -> Organizations -> Purchasing Options

ORACLE Purchasing Diagnostics Help

Purchasing Options

* Indicates required field

Document Control

[Personalize "Document Control"](#)

Price Tolerance (%)	<input type="text" value="10"/>	<input type="checkbox"/> Enforce Price Tolerance (%)
Price Tolerance Amount (USD)	<input type="text"/>	<input type="checkbox"/> Enforce Price Tolerance Amount
Enforce Full Lot Quantity	Advisory <input type="button" value="v"/>	<input checked="" type="checkbox"/> Display Disposition Messages
Receipt Close Point	Received <input type="button" value="v"/>	<input checked="" type="checkbox"/> Notify if Blanket PO exists
Cancel Requisitions	Optionally <input type="button" value="v"/>	<input checked="" type="checkbox"/> Allow Item Description Update
SBI Buying Company Identifier:	<input type="text"/>	<input type="checkbox"/> Enforce Buyer Name
Output Format	PDF <input type="button" value="v"/>	<input checked="" type="checkbox"/> Enforce Supplier Hold
Maximum Attachment Size (in MB)	<input type="text"/>	<input type="checkbox"/> Gapless Invoice Numbering
Email Attachment Filename	<input type="text"/>	<input type="checkbox"/> RFQ Required



Advanced Procurement

- Setup
 - Associate Templates with Document Types
 - Purchasing Super User -> Setup -> Purchasing -> Document Types



Advanced Procurement

Document Types

[Personalize "Document Types Table"](#)

Create

Type	Name	Document Type Layout	Contract Terms Layout	Update	Delete
Auction Buyer Auction	Sourcing Buyer Auction	Sourcing Style Sheet	Oracle Contract Terms Template		
Change Order Request Requisition	Change Order Request: Requisition				
Purchase Agreement Blanket	Blanket Purchase Agreement	Blanket Agreement Stylesheet with Logo	Oracle Contract Terms Template		
Purchase Agreement Contract	Contract Purchase Agreement	Contract Agreement Stylesheet with Logo	Oracle Contract Terms Template		
Purchase Order Planned	Planned Purchase Order				
Purchase Order Standard	Standard Purchase Order	Standard Purchase Order Fax	Oracle Contract Terms Template		
Quotation Bid	Bid Quotation				
Quotation Catalog	Catalog Quotation				
Quotation Standard	Standard Quotation				
Release Blanket	Blanket Release	Blanket Release Stylesheet with Logo			
Release Scheduled	Scheduled Release				
Requisition Internal	Internal Requisition				
Requisition Purchase	Purchase Requisition				
Request for Quotation Bid	Bid RFQ				
Request for Quotation Catalog	Catalog RFQ				
Request for Quotation Standard	Standard RFQ				
Sourcing RFI Sourcing RFI	Sourcing RFI	Sourcing Style Sheet	Oracle Contract Terms Template		
Sourcing RFQ Sourcing RFQ	Sourcing RFQ	Sourcing Style Sheet	Oracle Contract Terms Template		

Create



Advanced Procurement

- XML Generation
 - XML is generated based on the seeded views:
 - PO_HEADERS_XML
 - PO_LINES_XML
 - PO_DISTRIBUTION_XML



Advanced Procurement

- Report Generation and Delivery
 - Once PO gets final approval (via workflow rules) the PO output gets created programmatically and “delivered” based on rules associated with PO Approval/Tools->Communicate.

Email – Workflow Mailer

Print – Concurrent Output (PO Output for Delivery)

Fax – Concurrent Output (PO Output for Delivery)



Advanced Procurement

- Delivery – PO Approval

Approve Document - 753

Approval Details Additional Options

Encumbrance

Reserve Unreserve Unreserve Date

Use GL Override Use Document GL Date to Unreserve Accounting Date

Approval

Submit for Approval Forward From

Forward Approval Path

Forward To

Note

Change Summary

Transmission Methods

Print XML

Fax FAX Number EDI

E-Mail E-Mail Address

OK Cancel (B)



Advanced Procurement

- Delivery – Tools -> Communicate

Communicate

Select one of the communication methods below :

Communication

Print

Fax

Email

Fax number

Email Address

PO without contract terms

Language

OK Cancel



Advanced Procurement

- Other – View and Print the Document Manually

Demonstration

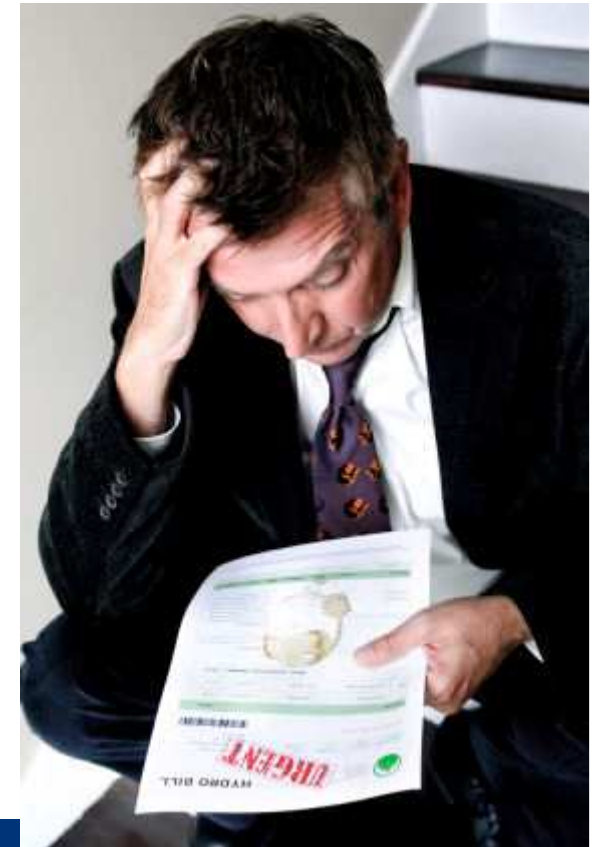


Advanced Collections

- 11iEX.H Rollup 4/R12 – Oracle One-To-One Fulfillment Server replaced by BI Publisher.

Variations:

- Template/Data Definition Pairs
- XML Generation
- Report Generation and Delivery





Advanced Collections – Template/Data Definition Pair

- Templates are registered via the standard methodology.
- All Advanced Collections Templates reference a generic 'dummy' Data Definition: "Collections XML Data Source"

Name	Application	Data Definition	Type	Start Date	End Date	Duplicate
ADS Custom Soft Dunning Letter 1	Collections	Collection XML Data Source	RTF	05-Nov-2004		
ADS Custom Invoice Letter	Collections	Collection XML Data Source	RTF	05-Jan-2005		
Adjustment Confirmation Letter	Collections	Collection XML Data Source	RTF	05-Nov-2004		
AR Dunning Soft Letter	Collections	Collection XML Data Source	RTF	12-Nov-2008		
Consolidated Invoice Confirmation Letter	Collections	Collection XML Data Source	RTF	05-Jan-2005		
Dunning Hard Letter 1	Collections	Collection XML Data Source	RTF	05-Nov-2004		



Advanced Collections – XML Generation

- Does not use Oracle Reports or Data Templates.
- Uses Queries setup within Apps: Collections Administrator Responsibility -> Administration -> Manage Templates Query

Demonstration



Advanced Collections: Report Generation and Delivery

- Collections notices are meant to be delivered.

Collections Agent -> Collections

Demonstration

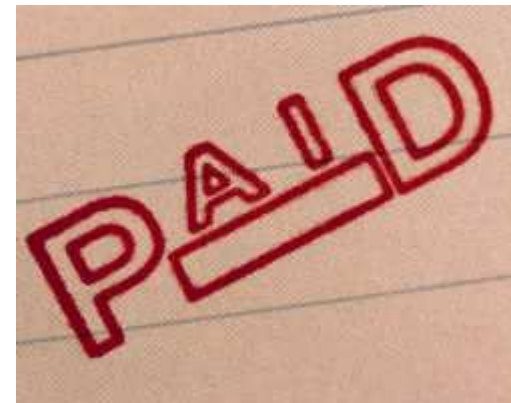


Payables

- Separate Remittance Advice – Starting in R12, completely re-written to utilize BI Publisher.
- New Program: Send Separate Remittance Advice

Variations:

- XML Generation
- Layout Template Setup
- Delivery

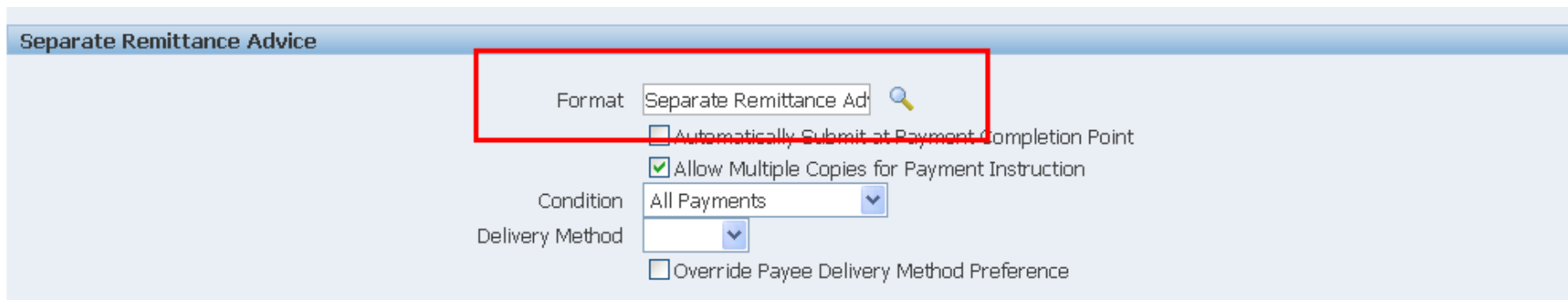


- SRA XML Generation
 - Generated by Java Concurrent Program that follows schema:
\$IBY_TOP/patch/115/publisher/defs/IBY_PPIOUT_1_0.xsd
 - Extend with IBY_EXTRACT_EXT_PUB package.


- SRA Layout Template Setup

Layout Templates setup as normal in XML Publisher Administrator but associated with Payment Profile in Payables.

Payables Manager Responsibility -> Setup -> Payment -> Payment Administration





Separate Remittance Advice

Format 

Automatically Submit at Payment Completion Point

Allow Multiple Copies for Payment Instruction

Condition 

Delivery Method 

Override Payee Delivery Method Preference

Payables

- SRA Delivery
 - Delivery Information: Payables Manager -> Suppliers -> Entry

Payment Attributes

Payment Delivery Attributes | Payment Specifications | **Separate Remittance Advice Delivery**

Delivery Method

E-Mail

Fax



Payables

- Send Separate Remittance Advice Conc Program
 - Generates XML based on schema
 - Applies configured template
 - Figures out whether to fax, email or print document
 - Uses BIP Delivery Manager to deliver



Help!

- Where to find help when you need it!



Help! - Documentation

- Documentation!

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

Oracle Technology Network > Middleware > BI Publisher > Documentation

Overview Downloads Documentation Community Learn More

Oracle Business Intelligence Publisher 11g Release 1 (11.1.1.3)

- 11.1.1.3.0 [Documentation Page](#)

Oracle BI Publisher 10g

- 10.1.3.4 [Documentation Page](#)
- 10.1.3.3 [Documentation Page](#)
- 10.1.3.2 [Documentation Page](#)
- 5.6.2 [Users Guide](#) [Install Guide](#) [JavaDocs](#)

Oracle E Business Suite R12

- 12.0 [Resources](#) [Document](#) [Known Issues](#) [Administration and Developer's Guide](#) [Report Designer's Guide](#)

Oracle E Business Suite 11i

- 5.6.3 [Resources](#) [Document](#) [Known Issues](#) [Administration and Developer's Guide](#) [Report Designer's Guide](#)
- 5.6.2 [About Document](#) [Users Guide](#) [Applications API](#) [Core Components API](#)
- 5.6.1 [About Document](#) [Users Guide](#) [Applications API](#) [Core Components API](#)
- 5.6 [About Document](#) [Users Guide](#) [Applications API](#) [Core Components API](#)
- 5.5 [About Document](#) [Users Guide](#) [Applications API](#) [Core Components API](#)

Fusion Middleware Home
AIA Foundation Pack
Business Intelligence
Coherence
Developer Tools
Event-Driven Architecture Suite
GlassFish Server
Identity Management
JRockit
SOA Suite
TopLink
Tuxedo
WebCenter Suite
WebLogic Server
Complex Event Processing
Business Intelligence Foundation
Data Integration
Application Server

ftware



Understand How to Troubleshoot

1. Output Post Processor Log Files
2. `xcodebug.cfg` -> `$AF_JRE_TOP/lib`
 - LogLevel=STATEMENT
 - LogDir=<Directory>

xdo.log (main log file)

xdo_...xml (Especially helpful when bursting)

xdo_...out (output file)

xdo_...xsl (XSL-FO version of RTF)

xdo_...fo (temp file created when converting RTF to XSL-FO)



Help! - Blogs

- Tim Dexter/BIP Official Blog: <http://blogs.oracle.com/xmlpublisher>
- A BI Publisher developer's diary: <http://blogs.oracle.com/BIDeveloper/>
- Oracle BI Publisher Consulting: <http://bipconsulting.blogspot.com/>
- BI Publisher Blog - Ike Wiggins: <http://bipublisher.blogspot.com/>
- In Depth Apps - eBusiness Suite - Gareth Roberts: <http://garethroberts.blogspot.com/>
- The Lowe Down – <http://www.thelowedownblog.com>



Help! Oracle Forums

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

How to Get Help on Forums:

- a. Search First, Ask Second
- b. Be someone (not user8840234)
- c. Be Specific



Help! – Oracle Community



- Oracle E-Business Suite -> BI Publisher

Forums

Community Contributed Resource Documents

examples: Troubleshooting Oracle XML Publisher

How To Install a Font Using XMLP Admin



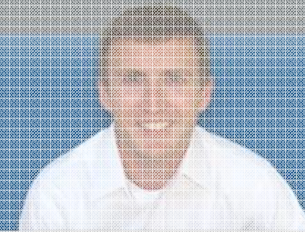
Help! – My Oracle Support

Open an official SR



Conclusion

- BI Publisher is a powerful tool
- BIP is tightly integrated within R12
- Not all applications are utilizing what is considered to be the standard.
- Hopefully able to give a good intro to BIP in R12



Oracle EBS R12.1.3 Submit Request Delivery Options Button - FTP - F

September

This is the

Part 1 - In

Part 2 - IP

Part 3 - E

Part 4 - F

Today, the

IPP Print

Server:

Contact Information:

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STR Software

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