

Introduction to BI Publisher in R12: Getting Started

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STR Software



AVENTX 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

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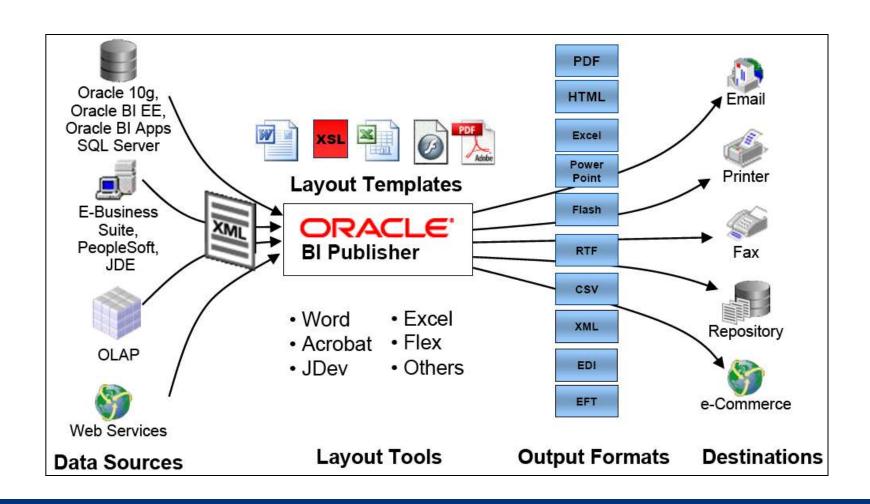


AVENTX Agenda

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



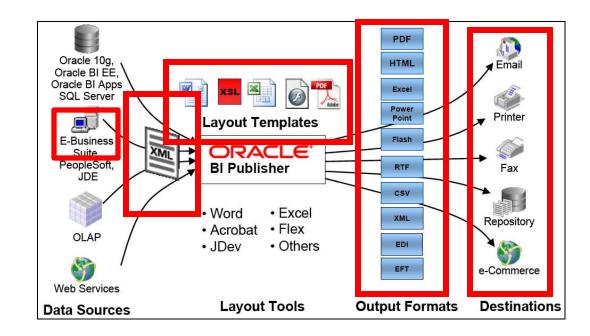
AVENT X Introduction — BI Publisher





WENT X General Concepts

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









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





AVENTY 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)

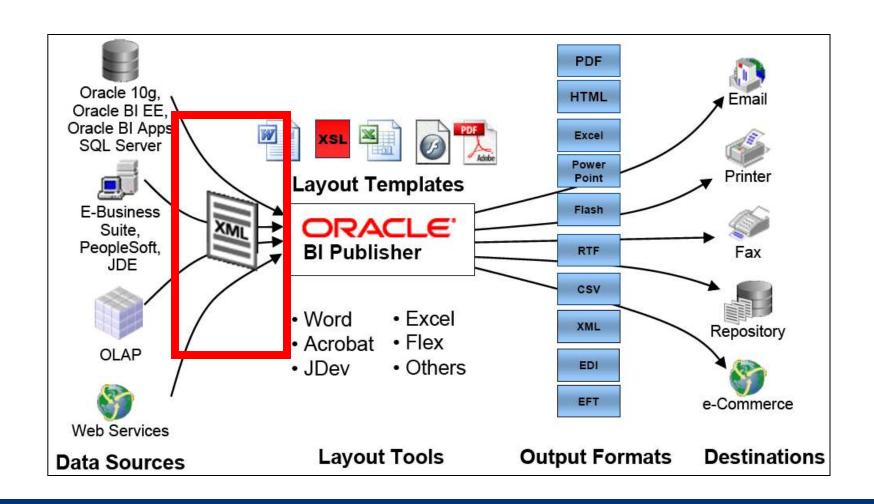
Some Individual Patches are available Patch Sets are rolled into ATG Family Packs.



New Responsibility



AVENTX Data Model — Creating the XML







AVENT X The Standard Offering — Data Model

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

- Oracle Reports
- Data Templates





A Data Model: Oracle Reports

Utilize your EXISTING Oracle Reports!

But aren't Oracle Reports going away?



AVENTX Data Model: Oracle Reports

Demo – How to setup Oracle Reports to output XML



AVENTIX 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

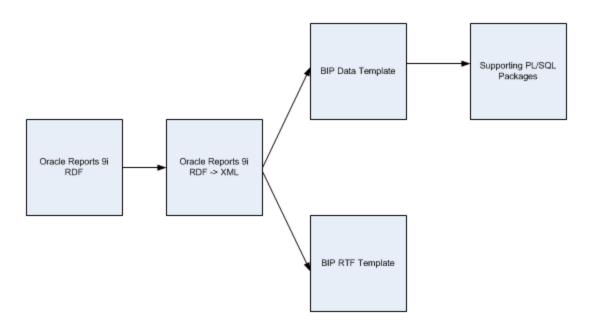




AVENTIX Data Model: Data Template

Example

Conversion API





Data Model: Data Template -> Concurrent Program

 Concurrent Manager must have Program Definition to generate output!

Set 'Executable' to XDODTEXE

Demo



AVENTX Data Model -> Data Definition

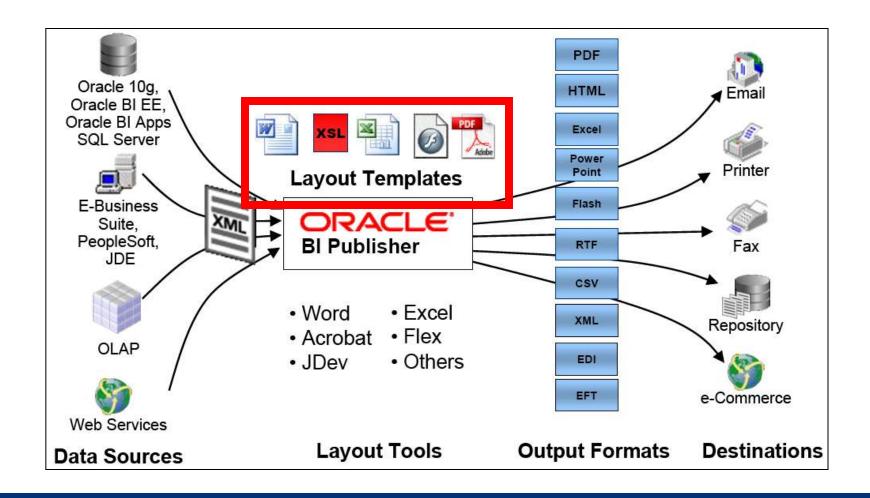
 Regardless of Oracle Report or Data Template, must register a Data Definition.

XML Publisher Administrator Responsibility

Demonstration



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 5887917

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

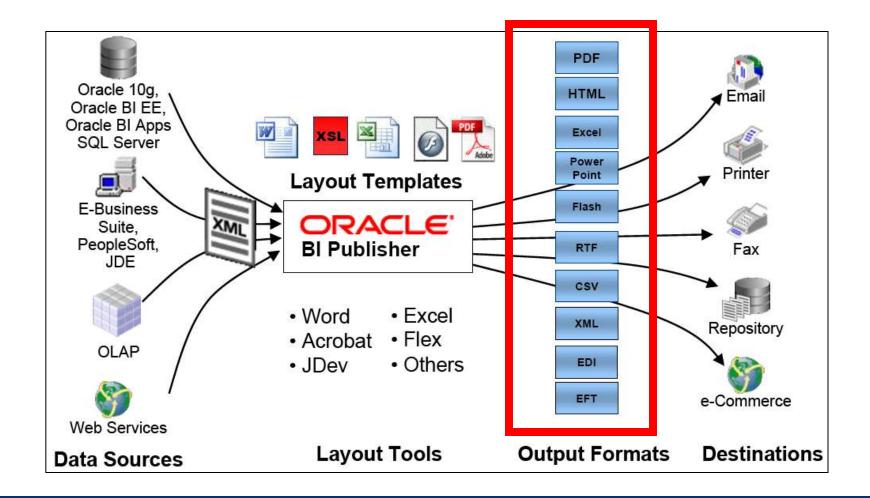


AVENTX Layout Template -> Registration

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



AVENTX Report Creation





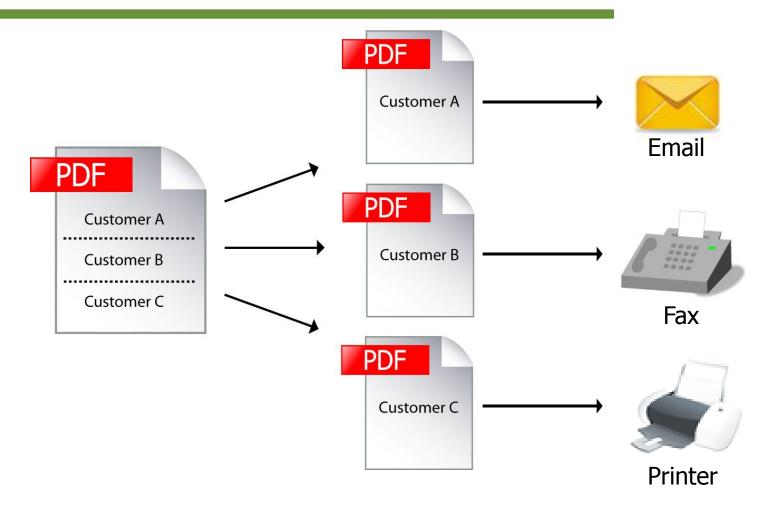
AVENTX Report Creation

- EBS Supported Output Formats
 - Excel
 - FO
 - HTML
 - PDF
 - RTF
- Simple as running a Concurrent Request
- Demonstration





AVENTX Report Bursting and Delivery





AVENTX 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?



AVENTX 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.lowe@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 ${TRX_DATE}. <br/> Cust_NAME}.
          Receivables</xapi:message>
       </xapi:email>
     - <xapi:fax server="ipp://grimlock:631/printers/axtkocupsprinter">
        <xapi:number id="fax1">${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">
       <api:template type="rtf" location="xdo://AR.COPY_RAXINV_SELB.en.US/?qetSource=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?
```

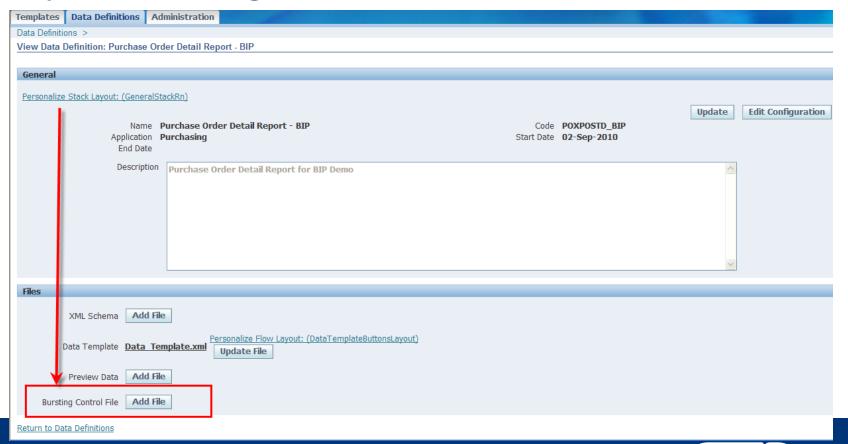


What should the delivered file look like?



AVENTX Bursting Control File - Registration

Upload Bursting Control File to Data Definition



Ment Invoke Bursting

2 Step Process

Step 1: Run Concurrent Request to Generate Data.

Step 2: Run 'XML Publisher Report Bursting Program'

Demonstration



AVENUX 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

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/o4				
	446348.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



MENT Delivery Engine

Email

- Allows for dynamic Recipient, CC, BCC, Subject, Message Body
- Single Attachment The report that was generated.

Print

- Utilizes IPP to print to CUPS based printers.
- Depending on printer, specify tray, duplex, copies, etc...

Fax

- Utilizes IPP to print to CUPS based printers that communicate with Fax Modems.
- Allows for dynamic fax number.
- Status determined based on print job, not final outcome of fax.

File

Output data to named file on file system.

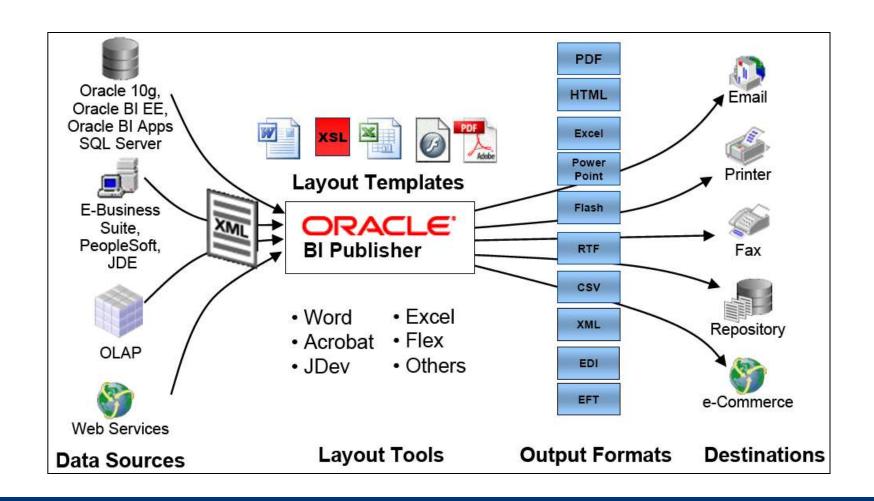
FTP

Send data to remote machine.





AVENTX Standard Offering w/in Oracle EBS





AVENTIX Deviations from the Standard

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



 PO Approval Process – Release Purchase Orders based on workflow process.

Variations

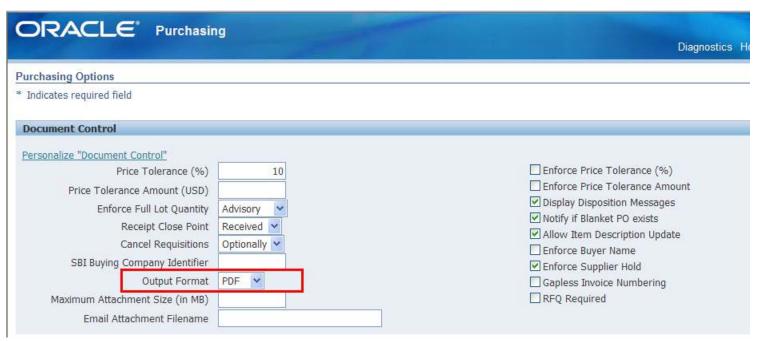
- Setup
- XML Generation & Layout Templates
- Report Generation & Delivery
- Other Uses





Setup

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





Setup

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



AVENTX Advanced Procurement

Personalize "Document Types Table" Create								
Туре	Name	Document Type Layout	Contract Terms Layout	Update	Delete			
Auction Buyer Auction	Sourcing Buyer Auction	Sourcing Style Sheet	Oracle Contract Terms Template	0	î			
Change Order Request Requisition	Change Order Request: Requisition			0	Î			
Purchase Agreement Blanket	Blanket Purchase Agreement	Blanket Agreement Stylesheet with Logo	Oracle Contract Terms Template	1	Î			
Purchase Agreement Contract	Contract Purchase Agreement	Contract Agreement Stylesheet with Logo	Oracle Contract Terms Template	0	Î			
Purchase Order Planned	Planned Purchase Order			1	Î			
Purchase Order Standard	Standard Purchase Order	Standard Purchase Order Fax	Oracle Contract Terms Template	0	1			
Quotation Bid	Bid Quotation			1	Î			
Quotation Catalog	Catalog Quotation			0	Î			
Quotation Standard	Standard Quotation			0	1			
Release Blanket	Blanket Release	Blanket Release Stylesheet with Logo		0	Î			
Release Scheduled	Scheduled Release			0	Î			
Requisition Internal	Internal Requisition			0	Î			
Requisition Purchase	Purchase Requisition			0	Î			
Request for Quotation Bid	Bid RFQ			0	ı			
Request for Quotation Catalog	Catalog RFQ			0	î			
Request for Quotation Standard	Standard RFQ			1	Î			
Sourcing RFI Sourcing RFI	Sourcing RFI	Sourcing Style Sheet	Oracle Contract Terms Template	0	1			
Sourcing RFQ Sourcing RFQ	Sourcing RFQ	Sourcing Style Sheet	Oracle Contract Terms Template	0	Î			



AVENTX Advanced Procurement

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



- 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)





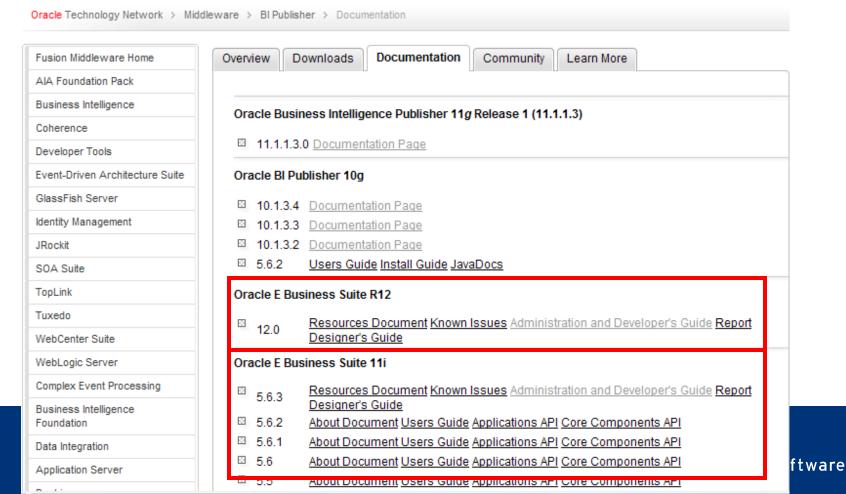
Where to find help when you need it!



MENT Help! - Documentation

Documentation!

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



AVENTX 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



AVENTX 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



AVENTX 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



AVENTX 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





THE LOWE DOWN | An Oracle Apps Blog By Brent Lowe



