



COLLABORATE18

TECHNOLOGY AND APPLICATIONS FORUM
FOR THE ORACLE COMMUNITY

Creating BI Publisher Documents with PeopleCode

Embed BI Publisher reports into the application pages where your users expect to see them

Remember to complete your evaluation for this session within the app!

Session ID:

101140

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Agenda

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- **Overview**
- **Allowed data XML Pub data types**
- **Generating Data**
- **Combining Multiple Reports Into One**
- **Presenting Reports**
- **Q&A**

BI Publisher in 8.48/8.49/8.50+

- **Delivered in 8.48/8.49/8.50+**
 - Leverages security
- **Data Sources: 8.48 & 8.49**
 - PS Query, Rowset, XML-File & XML Doc
- **Data Sources: 8.50+**
 - PS Query, Connected Query, XML File
- **Template Types:**
 - PDF, RTF, eText & XSL Template

Crystal Reports in PeopleTools 8.55+

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- **Crystal Reports has been deprecated**
 - SAP Crystal Reports and Business Objects Enterprise (BOE) are no longer supported in PeopleSoft PeopleTools 8.55 (+).
 - Crystal Reports and BOE will not work on new PeopleSoft PeopleTools 8.55 installations, or on environments that are upgraded to PeopleSoft PeopleTools 8.55.
 - Oracle Retires Support for Crystal Reports (Doc ID 1927865.1)
- **What are you going to do with those legacy Crystal Reports?**

PeopleCode Data Sources

- **Data Sources: 8.48 & 8.49**
 - Rowset, XML-File & XML Doc
- **Data Sources: 8.50+**
 - XML File
- **Queries can be created by PeopleCode**

PeopleCode XML File Gen

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Free Hand

- Gen XML by stringing text
- Very manual process
- Must get everything right
 - Levels
 - Open and close tags

PeopleCode XML File Gen

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Rowset

- **Create Record Definition(s) in XML File image**
- **Easily work with complex, parent child relationships**
- **Use delivered App Package to convert to formatted XML String**
- **All fields will have “fld_” appended to the field name in XML file**

PeopleCode XML File Gen

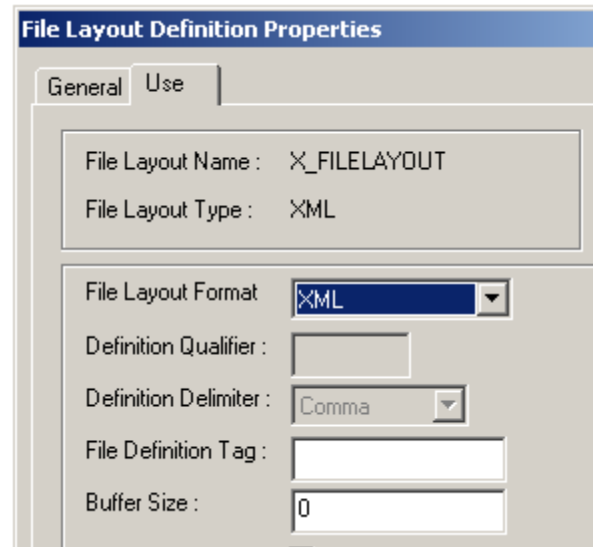
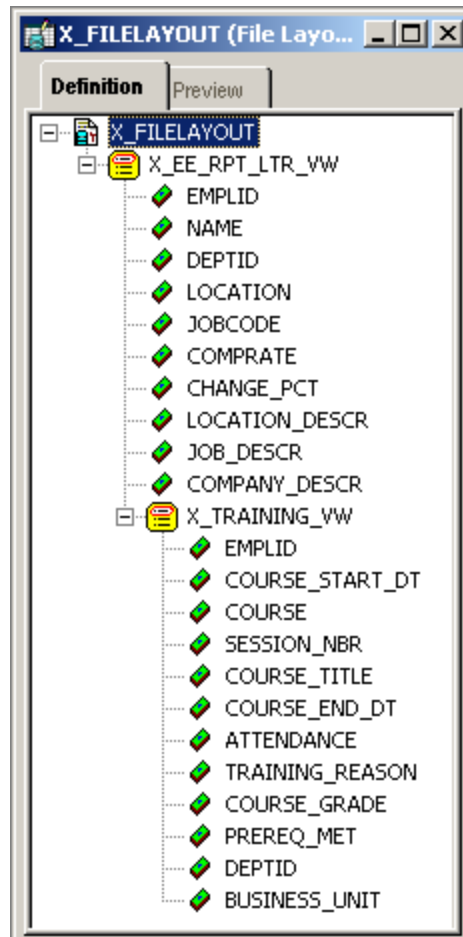
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File Layout Object

- Easy to work with
- Use PeopleSoft Records to define tags and structure
- Work with data as rowsets
- Properties: Define File Layout Format = XML

PeopleCode XML File Gen

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PeopleCode XML File Gen

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XML Doc Object

- Delivered PeopleTools object to manipulate XML structures
- Does not depend on existing record or file objects for structure
- Most dynamic and flexible of the methods
- Use delivered method “GenFormattedXmlString” to create XML File
- Not as easy to work with

Considerations

- **Concurrency**
 - Multiple instances of the same report running simultaneously
- **Schema Files**
 - Needed for Tools 8.48 & 8.49 versions
- **Sample Data Files**
 - Defining BI Publisher Data Sources
- **House Keeping**

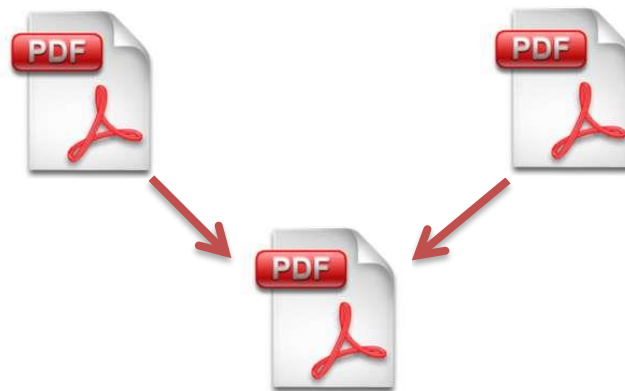
Creating the Report

- **Import the Application Package and instantiate**
- **Set the Data Source**
- **Process the Report**
- **Deliver the Report to the User**
 - **Report Manager**
 - **Popup Window**
 - **Printer**
 - **File Server**
 - **Email**

Combining PDF Reports

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- **Combine two or more PDF reports into one report**
- **Use Delivered Application Package**
 - PSXP_ENGINE:PDFMerger
 - Uses Java class to combine multiple reports
- **Add Page Numbers to resulting document**
- **Add Watermarks**



Summary

- **BI Publisher is a powerful reporting tool**
- **PeopleCode brings tool out of the ad-hoc realm**
- **Several available methods create source data XML Files**
- **Several distribution options for completed report**

Code & Examples (Party Bag of Code)

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- **Available on GronkWare.com**
 - This Slide Deck
 - Session abstract detail with detail code examples seen in the presentation
 - PeopleTools Project File for import of all code and objects used in this demonstration (8.56)



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