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Creating Custom PDF reports with APEX 4.2.2

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Agenda

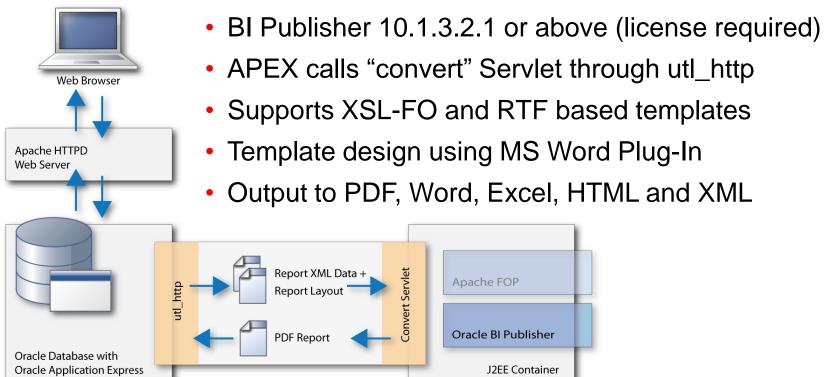
- Report Printing Options
- Configuring PDF Printing
- Creating and using a fully customized report layout
- Q&A



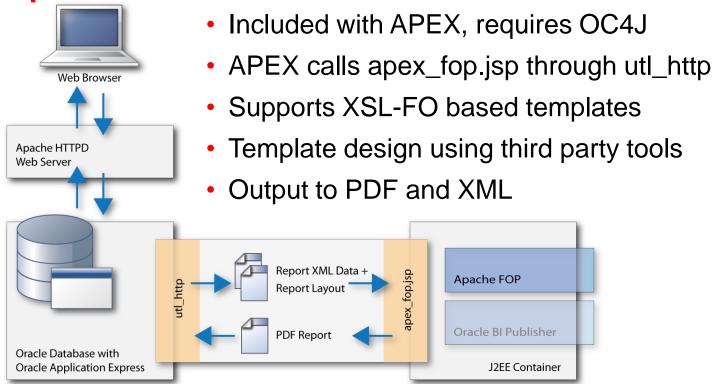
Overview

- Report Queries
 - Report generation based on one or more query result sets
 - Drag & Drop report design using Word Plug-In and XSL Tools
 - Inclusion of data driven charts and images
- Interactive Reports
 - Export of report data to PDF, Word, Excel, HTML and XML
- Classic Reports
 - Easy report printing using customizable generic report layouts
 - Full support for custom RTF and XSL-FO layouts

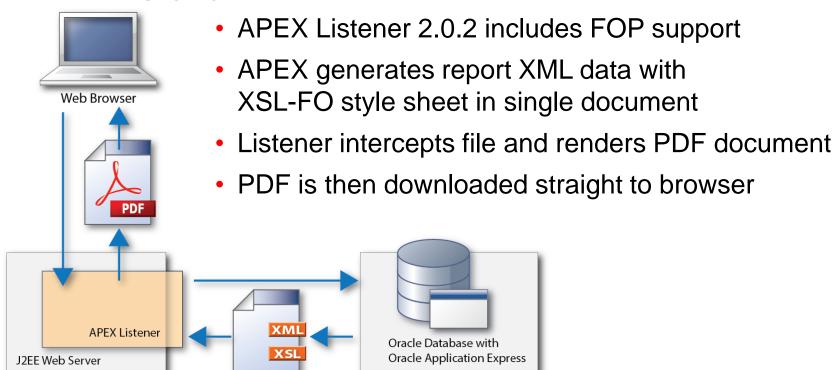
Oracle BI Publisher



Apache FOP

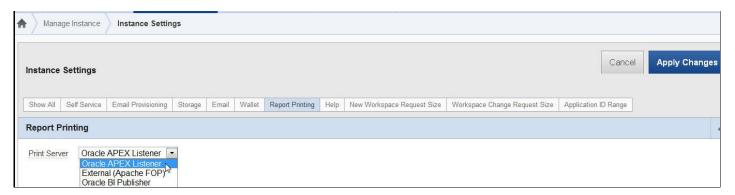


APEX Listener



Configuring PDF Printing

- PDF printing configured via instance administration
- BI Publisher and FOP option require configuration of external URL, port and script
- APEX Listener option requires no further settings

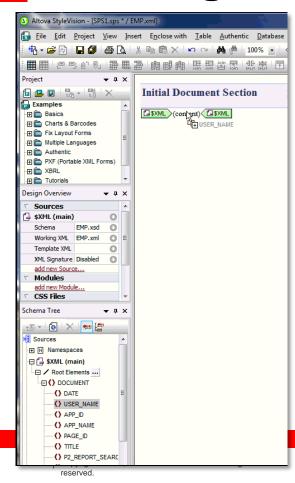


Configuring PDF Printing

- PL/SQL print APIs:
 - apex_util.get_print_document
 - apex_util.download_print_document
- Requires networking services to be enabled in 11g
- Edit APEX Listener /apex/default.xml file, add:

```
<entry key="misc.enableOldFOP">true</entry>
```

- Custom XSL-FO report layouts supported with Classic Reports and Report Queries
- Export report in XML format or as XML schema
- Load XML into XSL Layout tool
- XML structure is used for drag & drop design

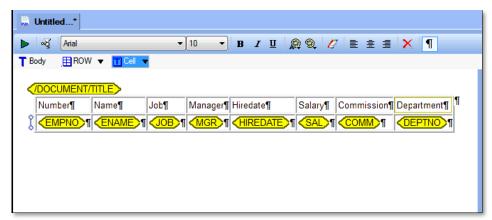


Creating a report layout with Altova Stylevision

- Create new file from XML file
- Open exported XML report data
- Tool creates corresponding XML schema
- Create free-flow document
- Need to generate XSLT 1.0 compliant file

Creating a report layout with Altova Stylevision

- Use elements from XML structure for drag & drop design
- XML structure provides access to:
 - Application and Page Information
 - Session State
 - Report Data
- Save completed layout as XSL-FO file



Creating a report layout with Altova Stylevision

- Completed XSL-FO layout file can be uploaded back into APEX as a Shared Component -> Report Layout
- Report Layouts can be used for Report Queries and Classic Reports
- Interactive Reports currently do not support custom report layouts but allow for PDF export using generic layout

Demo Custom Report Layout

Creating Custom Report Layouts Summary

- New PDF printing option available in APEX 4.2.2 using APEX Listener 2.0.2
- Build custom report layouts using third-party tools
- Key benefits:
 - No separate external printing engine is required
 - Using a supported Oracle product: APEX Listener
 - Single step configuration as a print server for APEX

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