BI Publisher – Anatomy of a Template

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Agenda

• BI Publisher Documents
• Simple Invoices
• Dissecting an Invoice
  • Header – Demo
  • Body – Demo
  • Footer -- Demo
• Other Options
• Q&A
Invoices

### Oracle Corporation Invoice

**Customer:**

**Address:**

**Invoice Number:**

**Date:**

**Terms:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Unit Price</th>
<th>Extended Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item A</td>
<td>100</td>
<td>50.00</td>
<td>5000.00</td>
</tr>
<tr>
<td>Item B</td>
<td>150</td>
<td>75.00</td>
<td>11250.00</td>
</tr>
<tr>
<td>Item C</td>
<td>200</td>
<td>100.00</td>
<td>20000.00</td>
</tr>
</tbody>
</table>

**Subtotal:** $36250.00

**Sales Tax:**

**Total:**

$35,010.00

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BI Publisher … For All Your Documents

- Invoices
- Correspondence

### Invoices

<table>
<thead>
<tr>
<th>Invoice Number</th>
<th>Invoice Type</th>
<th>Invoice Amount</th>
<th>Due Date</th>
<th>Open Balance Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>50222024</td>
<td>Standard</td>
<td>$19,125.00</td>
<td>00.00</td>
<td>$19,125.00</td>
</tr>
<tr>
<td>50222014</td>
<td>Standard</td>
<td>$23,275.00</td>
<td>00.00</td>
<td>$23,275.00</td>
</tr>
</tbody>
</table>

**Invoice Balance:** $43,400.00

### Correspondence

<table>
<thead>
<tr>
<th>Invoice Number</th>
<th>Invoice Type</th>
<th>Invoice Amount</th>
<th>Due Date</th>
<th>Open Balance Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>10010020</td>
<td>Standard</td>
<td>$1,132,602.00</td>
<td>00.00</td>
<td>$1,132,602.00</td>
</tr>
<tr>
<td>10010016</td>
<td>Standard</td>
<td>$87,077.42</td>
<td>00.00</td>
<td>$87,077.42</td>
</tr>
<tr>
<td>10001010</td>
<td>Standard</td>
<td>$50,524.51</td>
<td>00.00</td>
<td>$50,524.51</td>
</tr>
<tr>
<td>10001027</td>
<td>Standard</td>
<td>$223,983.09</td>
<td>00.00</td>
<td>$223,983.09</td>
</tr>
<tr>
<td>10004048</td>
<td>Standard</td>
<td>$175,283.60</td>
<td>00.00</td>
<td>$175,283.60</td>
</tr>
<tr>
<td>10002047</td>
<td>Standard</td>
<td>$113,002.02</td>
<td>00.00</td>
<td>$113,002.02</td>
</tr>
<tr>
<td>10002020</td>
<td>Standard</td>
<td>$1,462,490.26</td>
<td>00.00</td>
<td>$1,462,490.26</td>
</tr>
<tr>
<td>10002022</td>
<td>Standard</td>
<td>$261,304.71</td>
<td>00.00</td>
<td>$261,304.71</td>
</tr>
<tr>
<td>10002035</td>
<td>Standard</td>
<td>$181,003.97</td>
<td>00.00</td>
<td>$181,003.97</td>
</tr>
<tr>
<td>10002040</td>
<td>Standard</td>
<td>$175,305.55</td>
<td>00.00</td>
<td>$175,305.55</td>
</tr>
</tbody>
</table>

**Invoice Balance:** $3,365,447.61

Oracle Corporation
USA (Customer Service),
Roseville, CA 95678
✓ Invoices
✓ Correspondence
✓ Purchase Orders
BI Publisher … For All Your Documents

✓ Invoices
✓ Correspondence
✓ Purchase Orders
✓ Shipping Labels
BI Publisher … For All Your Documents

- Invoices
- Correspondence
- Purchase Orders
- Shipping Labels
- Government Forms

W-2 Wage and Tax Statement

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wages, tips, other compensation</td>
<td>$20,000.00</td>
</tr>
<tr>
<td>Federal income tax withheld</td>
<td>$7,000.00</td>
</tr>
<tr>
<td>Social security wage</td>
<td>$0.00</td>
</tr>
<tr>
<td>Social security tax withheld</td>
<td>$3,000.00</td>
</tr>
<tr>
<td>Medicare wage and tips</td>
<td>$50,000.00</td>
</tr>
<tr>
<td>Medicare tax withheld</td>
<td>$700.00</td>
</tr>
<tr>
<td>Social security tips</td>
<td>$0.00</td>
</tr>
<tr>
<td>Allocated tips</td>
<td>$0.00</td>
</tr>
</tbody>
</table>

Department of the Treasury—Internal Revenue Service

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BI Publisher ... For All Your Documents

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- Shipping Labels
- Government Forms
- EFT & EDI
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✓ Correspondence
✓ Purchase Orders
✓ Shipping Labels
✓ Government Forms
✓ EFT & EDI
✓ Checks
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✓ Checks
✓ Operational Reports
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✓ Invoices
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✓ Shipping Labels
✓ Government Forms
✓ EFT & EDI
✓ Checks
✓ Operational Reports
✓ Financial Statements
✓ Interactive Reports
Invoices – Familiar

Header

Body

Footer
Invoices – Familiar … but not Simple

- Repeating Header w/ Page # Reset & Barcode
- Fixed # of lines w/ Page Totals & Filler Rows
- Totals in a fixed position on the last page only
And on the back …

Terms and Conditions
- On the back of every page
- Don’t count in page total
- Must end with a T&Cs page

Invoices …
not so simple after all
Know your data structure

• The template is going to ‘walk’ the data
• You need to know the structure
Header

- **Header layout**
  - Notice this is in the RTF header section
  - Can not use form fields in the header → use text tags

- **Barcode**
  - HTML and RTF outputs rely on the font being available on the client machine
  - PDF output is truly portable with a subset of the barcode embedded in the document

- **Header/Page number reset**
  - Use the for-each@section to get the page numbers to re-set
Font Cheat Sheet

• Make the font visible in Word
  – Copy font to C:\Windows\fonts

• Tell Template Builder about the font
  – Update xdo.cfg in …
    …\BI Publisher Desktop\Template Builder for Word\config\n  – PDF output is truly portable with a subset of the barcode embedded in the document

• Tell BI Publisher Enterprise about the font
  – Copy to server in $JAVA_HOME/jre/lib/fonts directory
  – Add Font Mapping in Administration -> Font Mapping
Demo

DEMONSTRATION
Body

• Fixed # of Lines
  – Use a ‘constant’ to hold the number of lines per page (lpp)
  – Use a counter to check how many rows are rendered. If it reaches lpp number then stop and start a new page

• Page Total
  – Does not use the conventional page total support
  – Calculated based on lines rendered

• Filler rows
  – Use row count and to fill extra space and put the footer in a specific position
Footer

• Last page only
  – Use count to know if all rows rendered

• XPATH to Totals in data

• Terms and Conditions
  – Import and Call a ‘sub-template’ to display the T&Cs
  – Change Import when uploading to the server

• End on ‘even’ and don’t count in page total
  – Use the finish-on command
Putting it all together …

- BIP generates a batch of invoices with required features
- Other options
  - Bursting
  - OMR marks
  - Document storage
  - Application integration
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http://www.oracle.com/technetwork/middleware/bi-publisher/overview/index.html
BI Publisher Trial Edition

Fast Download. Installs in 10 minutes

- Fully-functional evaluation version
  BI Publisher Enterprise 11.1.1.6.0
- Includes self-contained WebLogic
  Server and Java Derby database
- Full suite of sample reports
- Connect to your data sources and
delivery servers to try it on your
data today!

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