ORACLE®



ORACLE

BI Publisher – Anatomy of a Template

Mike Donohue

Director

BI Product Management

Nikos Psomas

Principal Product Manager

BI Product Management



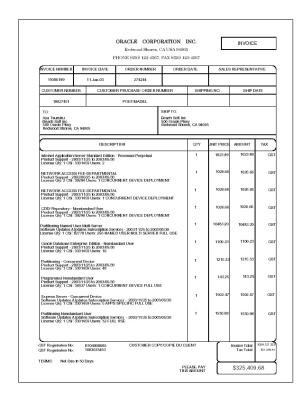
The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

Agenda

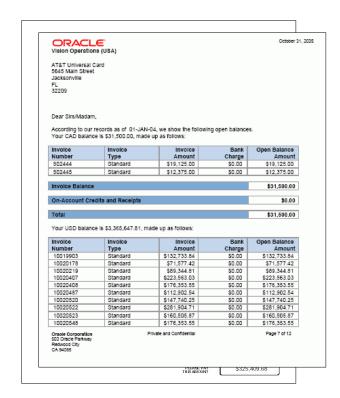
- BI Publisher Documents
- Simple Invoices
- Dissecting an Invoice
 - Header Demo
 - Body Demo
 - Footer -- Demo
- Other Options
- Q&A



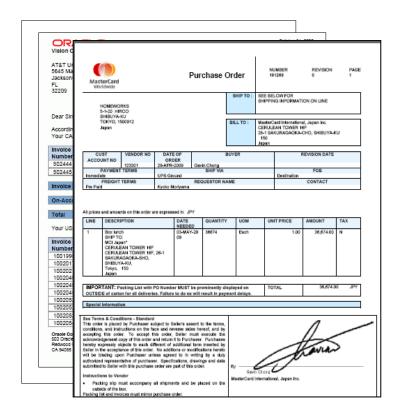
✓ Invoices



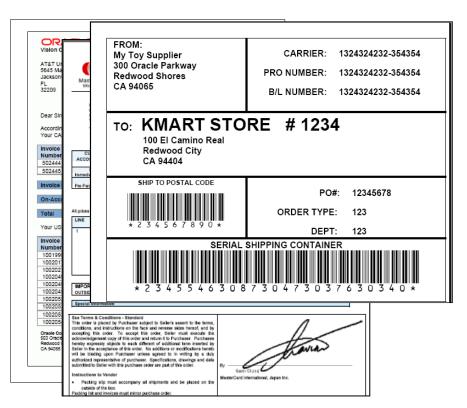
- ✓ Invoices
- ✓ Correspondence



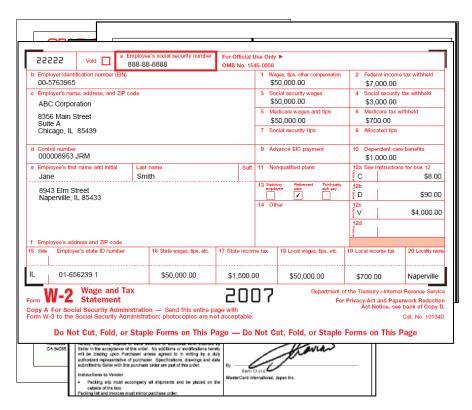
- ✓ Invoices
- √ Correspondence
- ✓ Purchase Orders



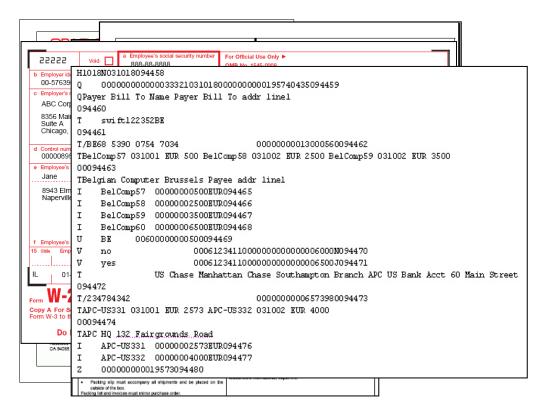
- ✓ Invoices
- ✓ Correspondence
- ✓ Purchase Orders
- ✓ Shipping Labels



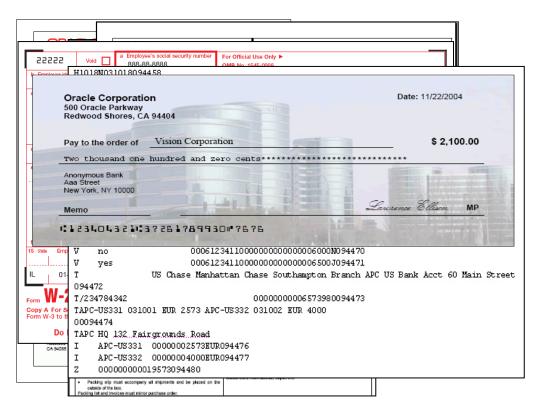
- ✓ Invoices
- ✓ Correspondence
- ✓ Purchase Orders
- ✓ Shipping Labels
- ✓ Government Forms



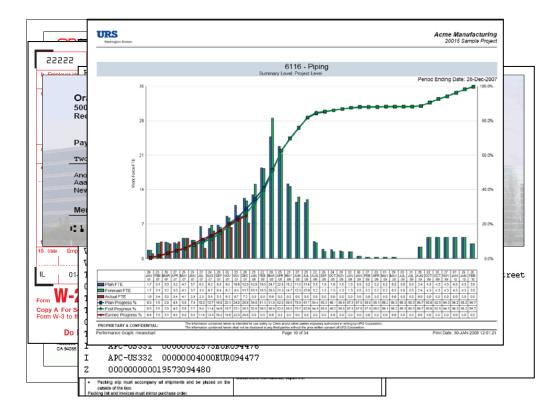
- ✓ Invoices
- √ Correspondence
- ✓ Purchase Orders
- ✓ Shipping Labels
- ✓ Government Forms
- ✓ EFT & EDI



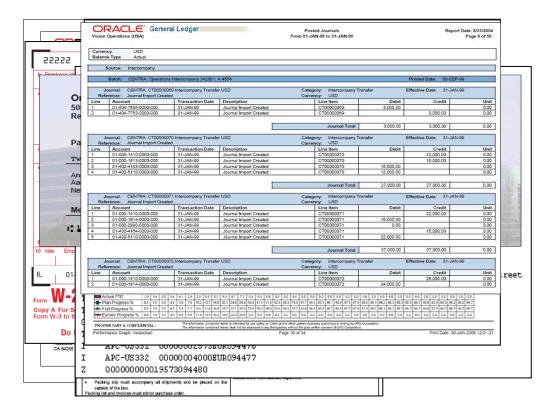
- ✓ Invoices
- ✓ Correspondence
- ✓ Purchase Orders
- ✓ Shipping Labels
- ✓ Government Forms
- ✓ FFT & FDI
- ✓ Checks



- ✓ Invoices
- √ Correspondence
- ✓ Purchase Orders
- ✓ Shipping Labels
- ✓ Government Forms
- ✓ EFT & EDI
- ✓ Checks
- ✓ Operational Reports



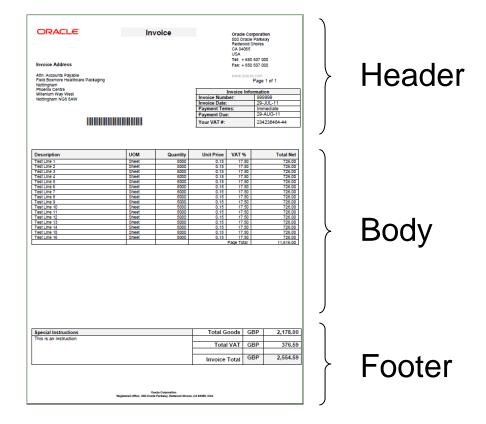
- ✓ Invoices
- ✓ Correspondence
- ✓ Purchase Orders
- ✓ Shipping Labels
- ✓ Government Forms
- ✓ FFT & FDI
- ✓ Checks
- ✓ Operational Reports
- ✓ Financial Statements



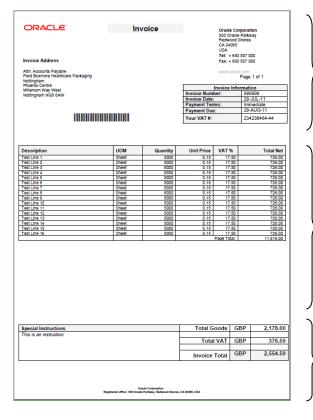
- ✓ Invoices
- ✓ Correspondence
- ✓ Purchase Orders
- ✓ Shipping Labels
- ✓ Government Forms
- ✓ FFT & FDI
- ✓ Checks
- ✓ Operational Reports
- ✓ Financial Statements
- ✓ Interactive Reports



Invoices – Familiar



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

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aliquam eros, Suspendisse sed massa, Phasellus tempor tincidunt magna. Proin auctor risus non ligula. Integer aliguam, massa ac facilisis dapibus, mauris diam pretium ante, non fermentum pede enim at purus. Morbi arcu, Quisque eu lectus. Proin adipiscing ipsum ut felis. Nam massa massa, tristique sed, euismod non, porta a, odio. Pellentesque lorem nunc, lacinia consectetuer, blandit a, dapibus sit amet, velit. Curabitur semper dolor vel sem. Curabitur vel lacus vitae nulla malesuada sagittis.

Nunc vehicula. Sed dictum erat vel nunc. Praesent tristique orci ut pede. Mauris tortor eros, laoreet sed, tincidunt vel, jaculis ut. magna. Vestibulum eros, Suspendisse dapibus, est eu lacinia ullamcorper, leo tortor dictum risus, vel cursus metus lacus ac ante. Vestibulum massa nulla, eleifend quis, mollis sit amet, cursus in, pede. Nam non orci. Duis neque tellus, tincidunt ut, lobortis vel, imperdiet nec. felis. Maecenas eget pede. Proin quis enim. Mauris nunc. Vivamus ut sem. Nunc lectus magna, convallis et, ornare vel, sollicitudin at, metus, Praesent nec velit ac dui varius convallis, Fusce tempor. Proin sagittis sodales orci. Phasellus volutpat placerat quam. Morbi non nunc ut diam mollis conque. Vivamus lobortis eros a orci.

Pellentesque aliquet. In condimentum ullamcorper velit. Donec in ante. Sed egestas imperdiet elit. Curabitur consequat felis sit amet lectus. Maecenas sit amet sem. Suspendisse lectus. Nullam porta nunc id nisi. Pellentesque lacus sapien, dictum ac, mattis non, gravida vel, magna, Nullam eget ligula at metus egestas lacinia. Aenean metus nisi, luctus eu, egestas in, placerat sit amet, neque. Pellentesque diam nunc, egestas vitae, pharetra quis, porta sit amet, nulla. Sed magna odio, laoreet sed, placerat ac, mollis vel, ligula. Suspendisse malesuada purus ultrices velit. Quisque vitae ante vitae velit lacinia rutrum. Nam tincidunt velit non felis. Nullam eu felis sed ligula conseguat nonummy. Etiam Jacinia guam et tellus. Proin viverra guam guis mauris. Donec in turpis.

Maecenas tempor justo. Suspendisse hendrerit fringilla eros. Maecenas blandit interdum metus. Etiam molestie. Sed pellentesque cursus leo. Vivamus ut arcu. Praesent non mauris eu nibh sodales tristique. Nullam viverra risus at lacus. Sed ac dolor at neque tincidunt imperdiet. Phasellus semper nibh a dolor. Nunc varius, nisi nec porta ullamcorper, neque dolor omare erat, a euismod lorem sapien nec dui. Ut ut urna. Nam sed lorem id urna condimentum lobortis. Lorem ipsum dolor sit amet. consectetuer adipiscing elit. Ut pellentesque blandit tellus. In metus, Etiam et sem, Fusce placerat rutrum dui.

Phasellus felis, Integer tellus metus, mattis nec, consectetuer a, suscipit vestibulum, mi, Etiam non justo vitae sapien egestas facilisis. Nulla adipiscing auctor velit. Fusce urna. Suspendisse ipsum nibh, blandit ut, auctor id, tempus cursus, nibh, Cras viverra, nulla in pharetra mattis, leo ante semper orci. eget tincidunt est diam vitae orci. Sed nunc diam, jaculis id, mollis non, rutrum quis, mi. Cras elementum facilisis diam. Duis fringilla velit interdum purus. Integer mauris arcu, tempus iaculis, aliquam eget, gravida at, augue, Cras lacinia, Nam quis justo in dui bibendum fermentum. In auctor

Phasellus iaculis, tortor a dapibus tempor, enim mauris tristique diam, pellentesque egestas neque risus in nibh, Cras lacinia, ligula at ultrices aliquet, nisi tellus hendrerit quam, non gravida massa mauris vel odio. Nam fermentum sagittis ipsum. Nullam velit dolor, tristique eu, viverra in, facilisis eget, erat. Nulla eget metus. Mauris volutpat posuere massa. Suspendisse tellus purus, aliquet sed, imperdiet id, vestibulum nec, erat, Cras vulputate, quam placerat blandit adipiscing, tellus felis molestie elit, eget pulvinar neque lectus ac est. Aenean nisl quam, porta a, bibendum ac, laoreet ut, massa. Pellentesque nonummy. Duis sem diam, venenatis sit amet, imperdiet rutrum, scelerisque ut, orci, Fusce sed tortor ac risus varius varius, Quisque euismod risus porttitor arcu, Aenean nonummy blandit dolor. Nam consectetuer augue at dolor. Nulla feugiat. Pellentesque vitae elit.

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

```
<RAXINV>
<LIST_G_ORDER_BY>
<G ORDER BY>
  <LIST_G_INVOICE>
   <G_INVOICE>
    <LIST_G_INV_TERM>
     <G INV TERM>
      <LIST_G_LINE_TOTAL>
       <G LINE TOTAL>
        <LIST G LINES>
         <G LINES>
          <LIST G TAX RATE>
           <G TAX RATE>
```

- 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\
 - 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

LJemo

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

Demo

DEMONSTRATION

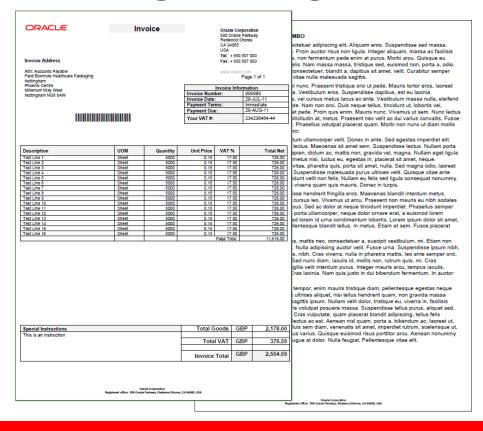
Footer

- 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

LJemo

DEMONSTRATION

Putting it all together ...



- BIP generates a batch of invoices with required features
- Other options
 - Bursting
 - OMR marks
 - Document storage
 - Application integration

Stay Connected with BI Publisher

Oracle Technology Network

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

Oracle BI Publisher Blog

from pixel-perfect to interactive reporting...

Forum: BI Publisher

Covers Oracle BI Publisher (formerly XML Publisher)





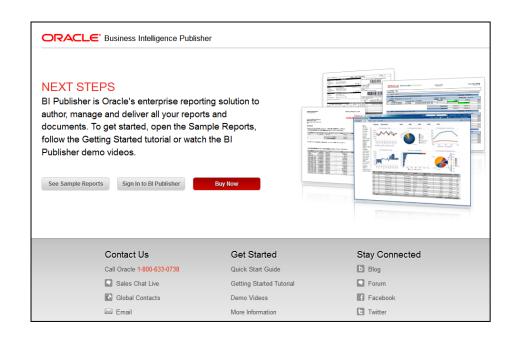




BI Publisher Trial Edition

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!



See the BI Publisher download site on OTN

Q&A

Hardware and Software



Engineered to Work Together

ORACLE®