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Oracle BI Publisher

Mike Donohue
Senior Manager, BI Product Management

ORACLE BUSINESS INTELLIGENCE
Product Management

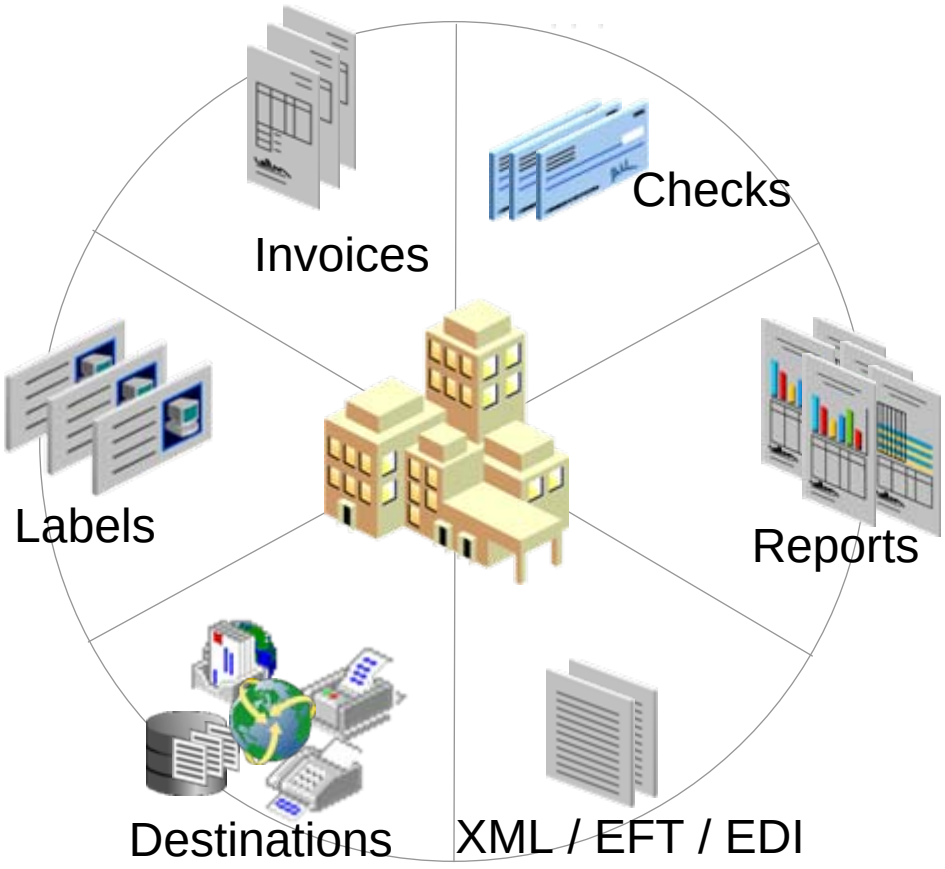
The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions.
The development,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

Oracle BI Publisher

- Reporting Challenges
- BI Publisher Solutions
- Availability and Integration
- Planned Features
- Customers
- More Information

Reporting Requirements are Diverse

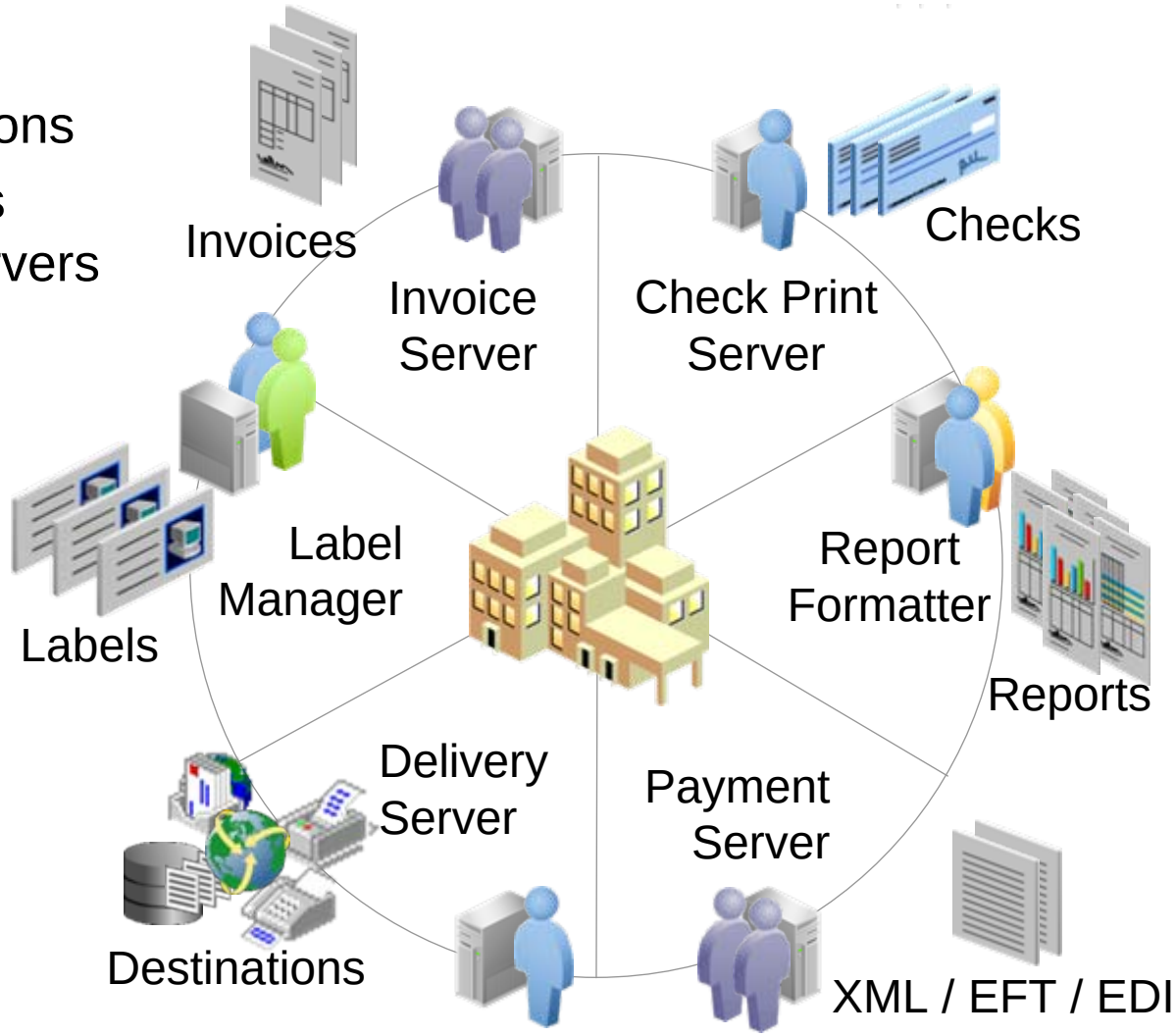
- High Fidelity Reports
- Partner Reports
- Financial Statements
- Government forms
- Marketing materials
- Contracts
- Checks, Labels
- XML
- EFT / EDI
- Multiple destinations



Complex Reporting Infrastructure

- Multiple reporting solutions
- Highly-skilled engineers required to maintain servers and report formats

- Costly
- Time consuming
- Complex systems
- Expensive maintenance
- Labor intensive



Classic Reporting Tools Report Development

Mimic Report Requirements

Report Requirements

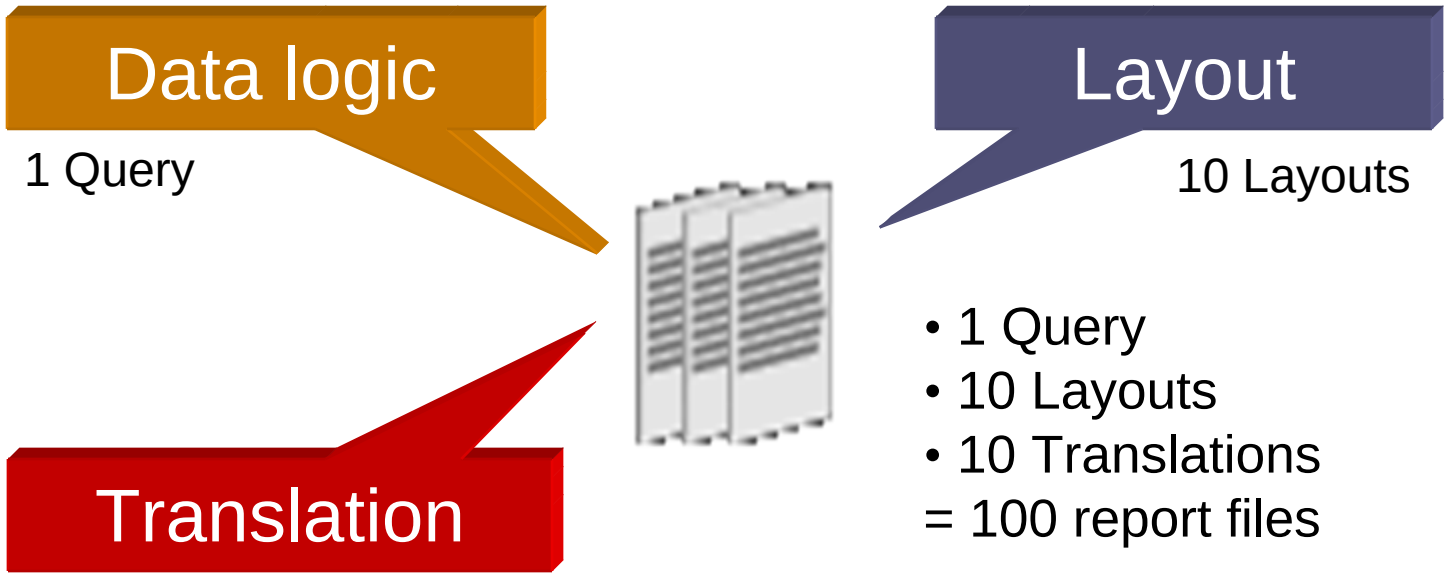
Report files

Report Output

Must be same geometry, font, margin size, etc.

Classic Reporting Tools
Report Maintenance

Combined query, layout, and translation



- High development cost
- High customization cost
- Difficult upgrade

Other Issues

- Production Issues
  - Huge load on the transactional Data Base, shuts down the operation
  - Output file size, time to produce the reports …
  - High maintenance, proprietary report programming languages require expensive specialists and consultants
- Global Deployment Issues
  - Multiple Instances required for different character sets
  - Insufficient support for Bi-Directional Languages
  - Dependence on Printer Character sets require language specific printers

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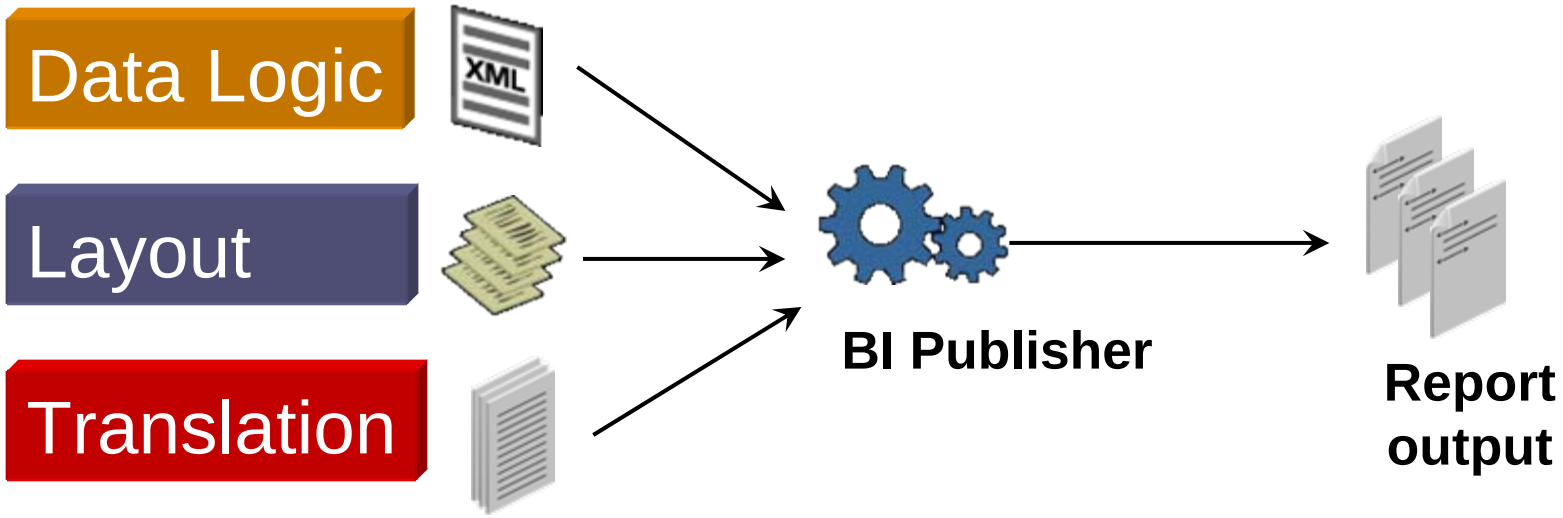
BI Publisher Solutions
Report Maintenance

Separate query, layout, and translation

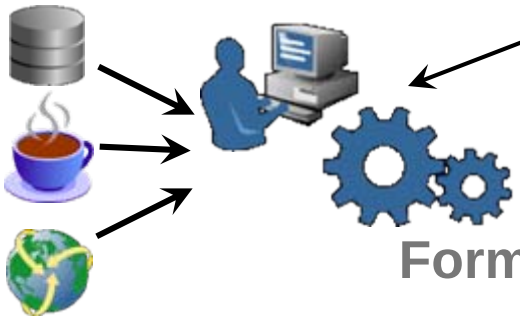


- ✓Flexibility
- ✓Reduced maintenance

BI Publisher Solutions
Report Development

- Business users use familiar desktop tools for layout customization
- Support for Multiple Data Sources

Report Templates



Multiple Data Sources

Formatting Engine

Report Output

✓Rapid Deployment

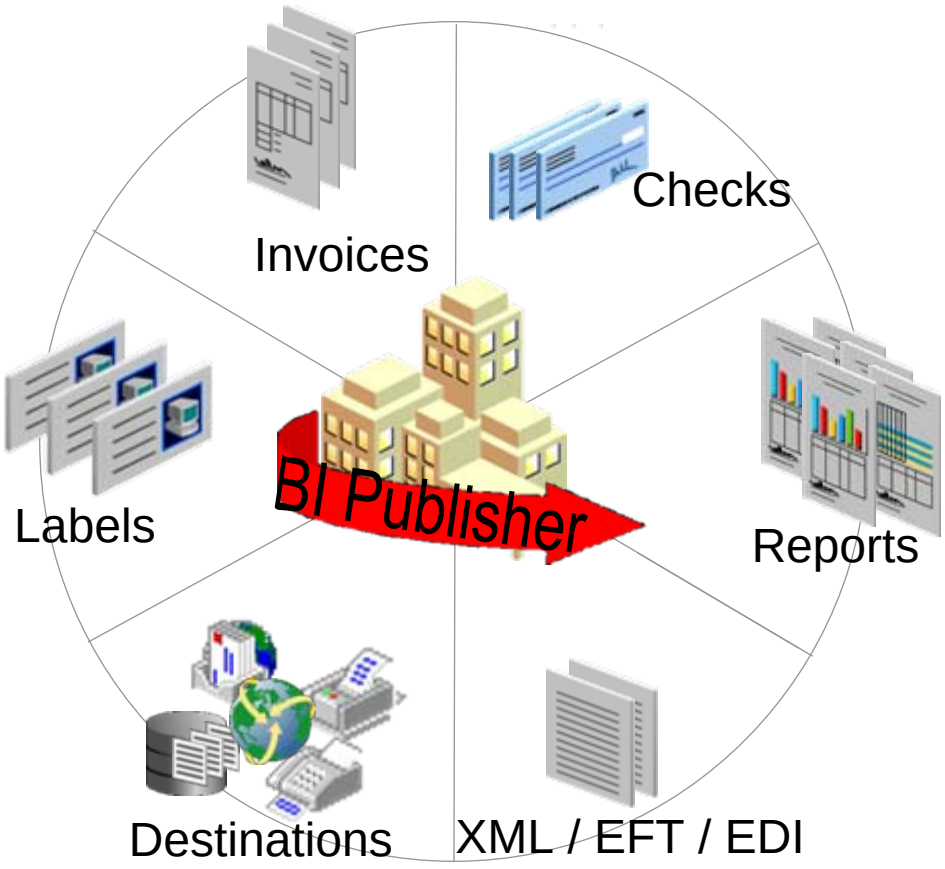
BI Publisher Benefits
One Environment …

Oracle BI Publisher

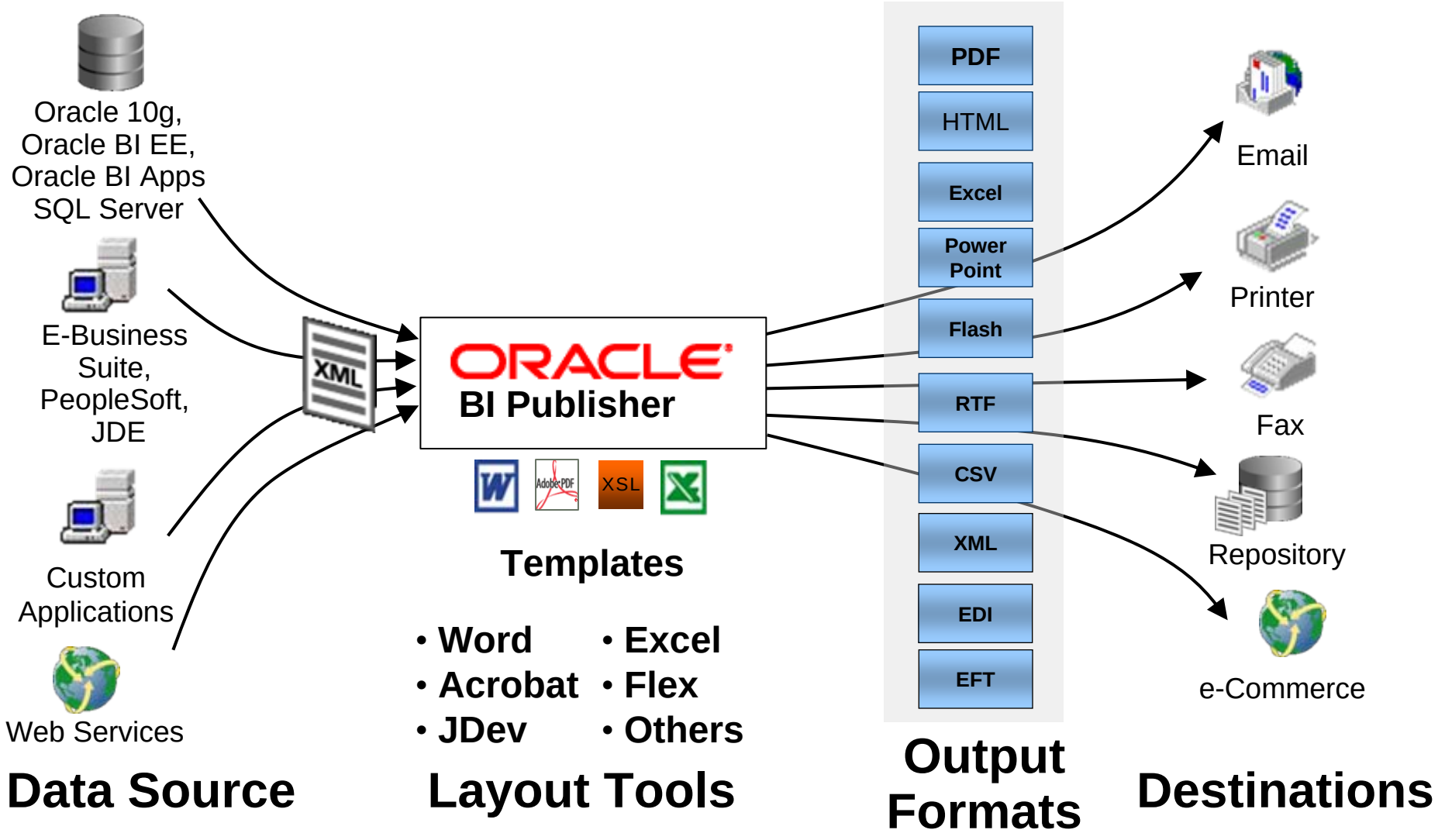
- Author
- Manage
- Deliver

ALL Your Business Documents

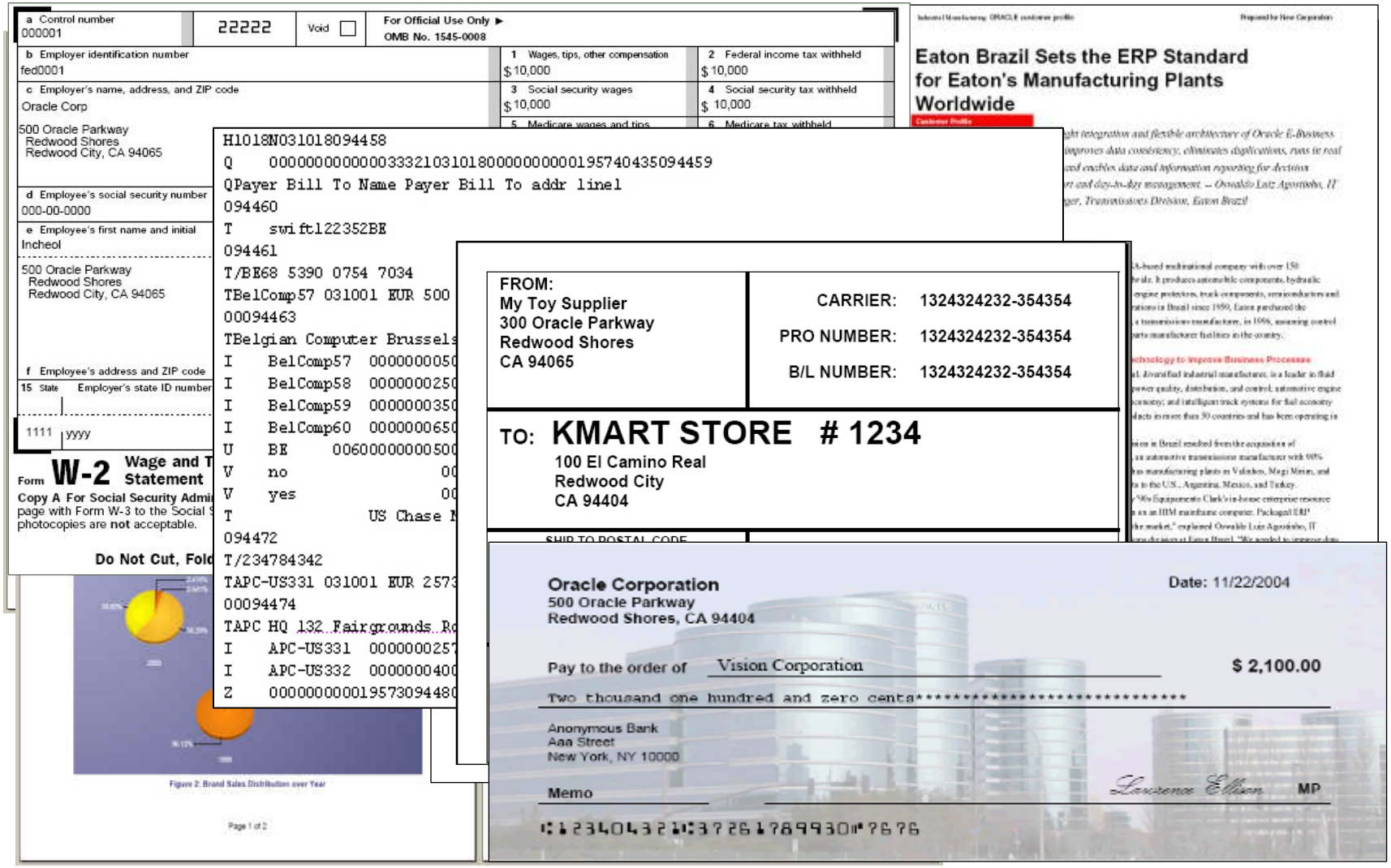
- ✓ Meet Business Requirements
- ✓ Remove Complexity
- ✓ Reduce Maintenance Cost
- ✓ Reduce Total Cost



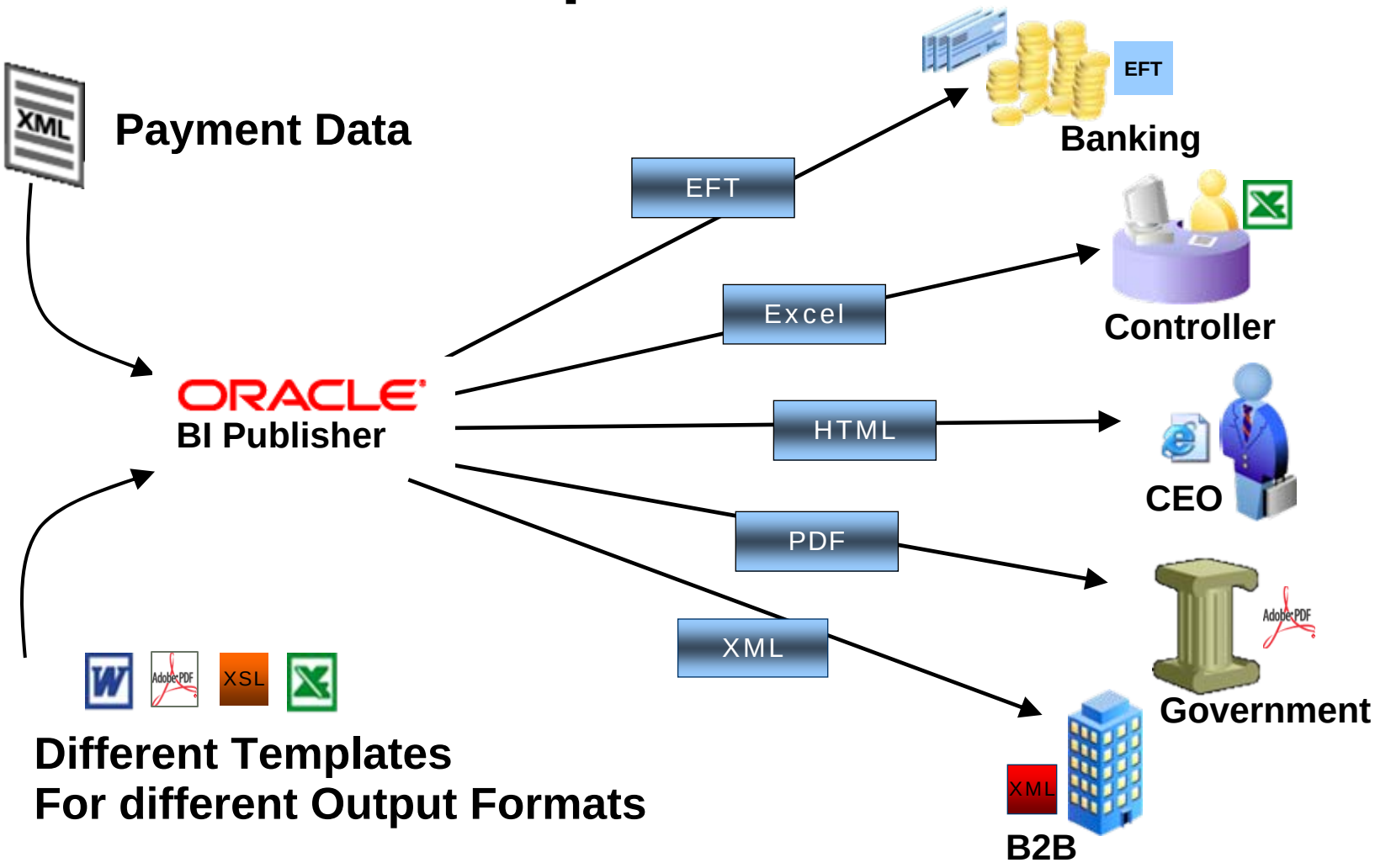
… from Data to Destination …



… for All your Business Documents



BI Publisher Solutions - Extract Once, Publish Multiple Times



BI Publisher Solutions
Global Consolidation

- Create ONE template for any of 185 languages and 244 territories
- Single Global Instance – Translated User Interface
- BI Publisher ships with full set of Unicode Fonts
- No need for expensive language-specific printers
- BI Publisher is alone in supporting
  - Chinese, Japanese, Korean
  - Bidirectional Languages
  - Unicode
  - Multiple Language Support

Возвращение Ян Ливэя в Пекин	Russian Chinese GBK	“杨利伟表现超乎预料”	Hebrew	אינטרנט מאפש
UNICODE SUPPORT	Le Président chinois Hu Jintao	French Chinese Big5 Vietnamese	“楊利偉表現超乎預料”	Cách đánh chữ Việt trong
أصدرت إدارة البريد الحكومية في بكين	หากท่านไม่คุ้นกับการค้นคว้าด้วบทกฎหมายทางออนไลน์ มีชัยไทยแลนด์ลอว์	Economía china mantiene rápido crecimiento, informe de APEC	Arabic Thai Spanish Greek	Διαβάστε και στείλτε emails απ ό οπουδήποτε στον
Japanese	秋の学園祭特集	Turkish Korean	danışma ve denetim birimlerinden	교수님~ 이번'레포트'꼭 A+주셔야해요

BI Publisher Solutions
Hot-Pluggable

- Pure Java application - any J2EE application server
- Rich set of Java APIs for custom application development
- Web Services for SOA development
- Any data source: JDBC and Web services XML data sources
- Standard W3C XSL-FO stylesheets
- Output formats in PDF, PS, RTF, HTML…
- Delivery Support for
  - Internet Printing Protocol, CUPS
  - Internet Fax Protocol
  - SMTP email protocol
  - WebDAV, FTP, SFTP
  - Etc…

Demo

DEMONSTRATION

Oracle BI Publisher

- Reporting Challenges
- BI Publisher Solutions
- Availability and Integration
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BI Publisher Availability & Integration

- Oracle BI Publisher Enterprise
- Option to Oracle Application Server Enterprise Edition
  - BI Publisher
- BI Publisher is Advanced Reporting in BI EE Plus
  - BI Server semantic layer as a data source
  - BI Answers request as a data source
  - BI Publisher report in a Dashboard w/ prompts
  - Security
- Integration with Oracle Application Express (APEX)
- Integrated with Hyperion Planning

BI Publisher in Oracle Applications Limited Use License

- Oracle E-Business Suite
  - 500 templates in 11i 900 templates in R12
  - Project to convert all remaining Oracle Reports reports
  - Conversion utility from Oracle Reports
- PeopleSoft
  - Integrated into 8.48
  - Products shipping content in R9
    - Financials
    - HCM
    - SCM
    - Grants
    - CRM
    - Student Admin
- J.D. Edwards
  - Integrated into 8.96
  - Allow customers to develop their own templates
  - Subsequent releases will add Apps content
- More coming …

New in BI Publisher 10.1.3.3

- Integration with Oracle BI Discoverer
- Flash Templates
- PowerPoint output
- Web Services
- Template Builder enhancements
- Oracle Reports to BI Publisher Conversion Utility
- Digital Signature
- Postscript Printer support
- Performance Enhancements
- Document Cache

Demo

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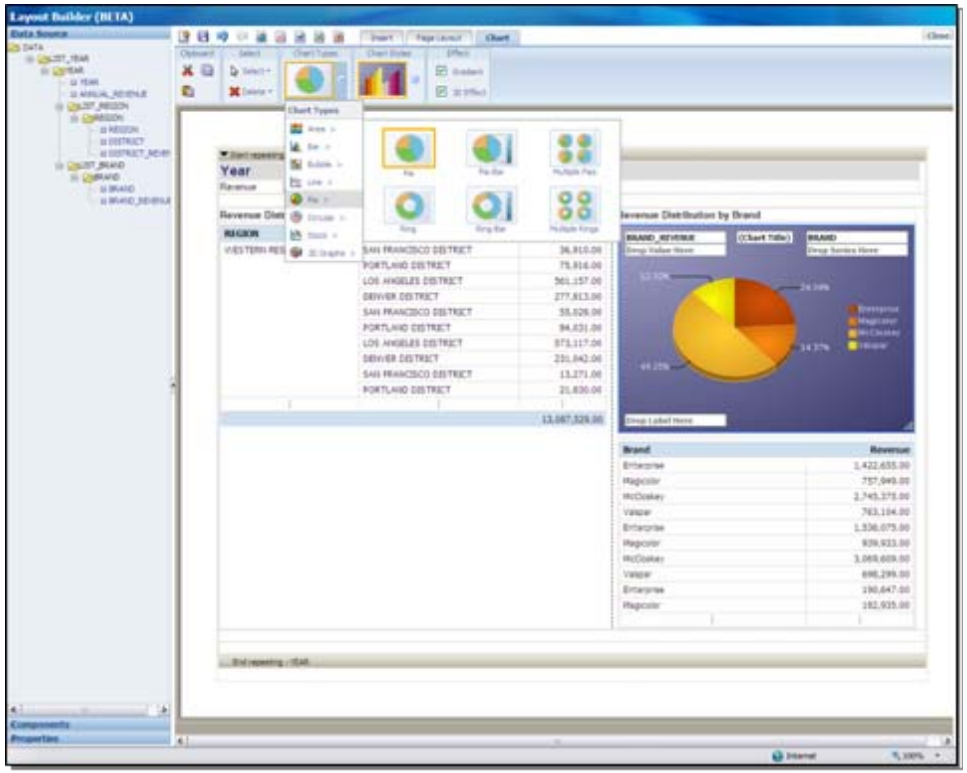
Planned for BI Publisher 10.1.3.4

- Integration with Hyperion Workspace
- Integration with Hyperion Smartspace
- Multidimensional data sources (Essbase, perhaps others SQL Server Analysis Services, SAP BW)
- Support Web Services w/ complex types in data models
- More Web Services
- More RTF Template Builder enhancements

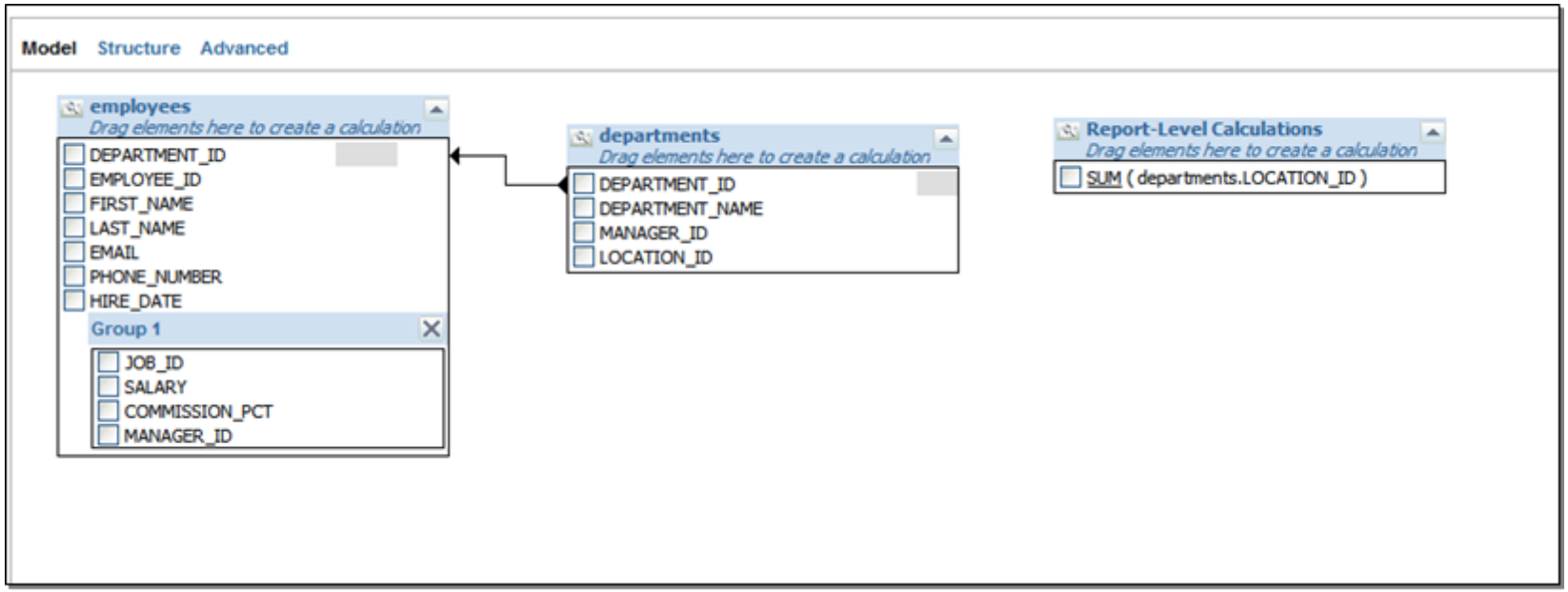
Planned for BI Publisher 11g - Layout Builder

- Pure DHTML/JavaScript
- Runs on web browsers (IE and Firefox)
- Interactive (drag & drop, cursor control, inline text input, chart preview)
- Rich layout support (rich text, charts, tables, crosstab, layout grid, images, header & footer, repeating, page break)
- Instant preview in PDF, HTML, RTF, Excel and PPT



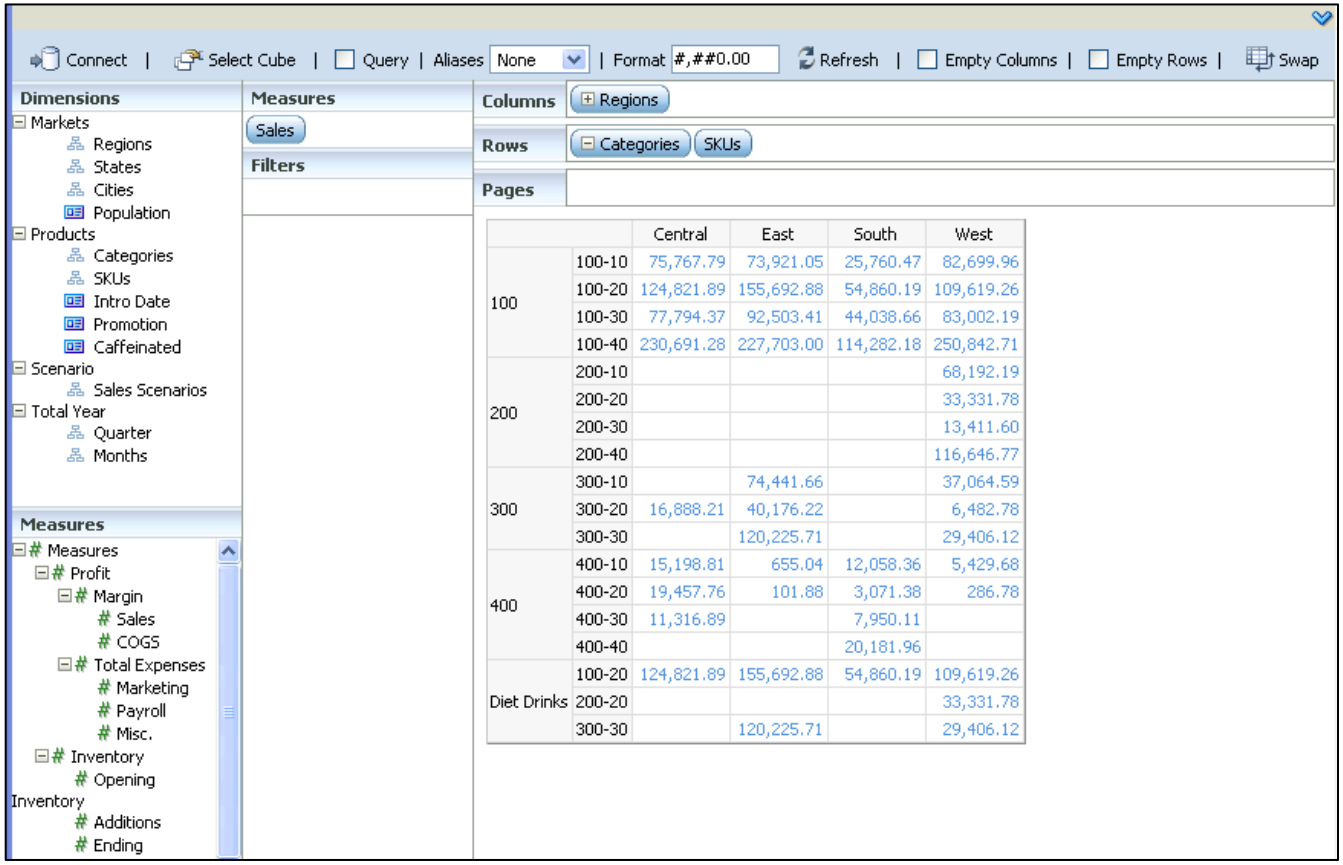
Planned for BI Publisher 11g - Data Model

- Consolidated Data Engine with new data model definition
- Visual Data Model/Structure Designer
- Sharable Data Models



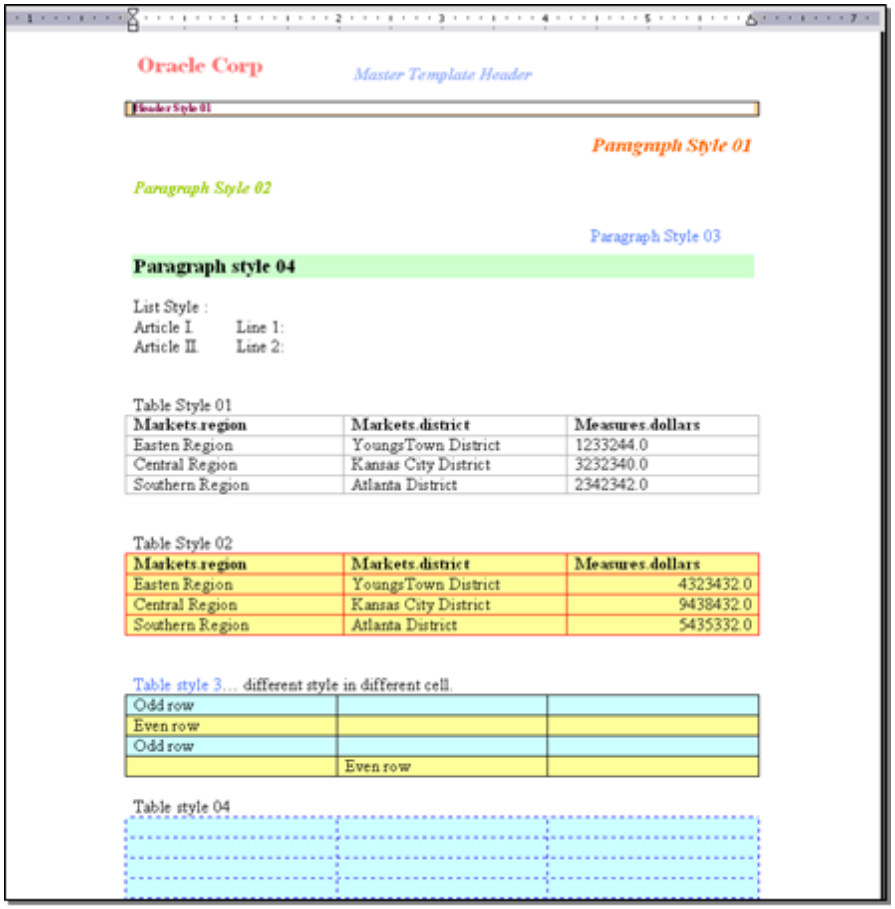
Planned for BI Publisher 11g – MDX Query Builder

- MDX Query Builder



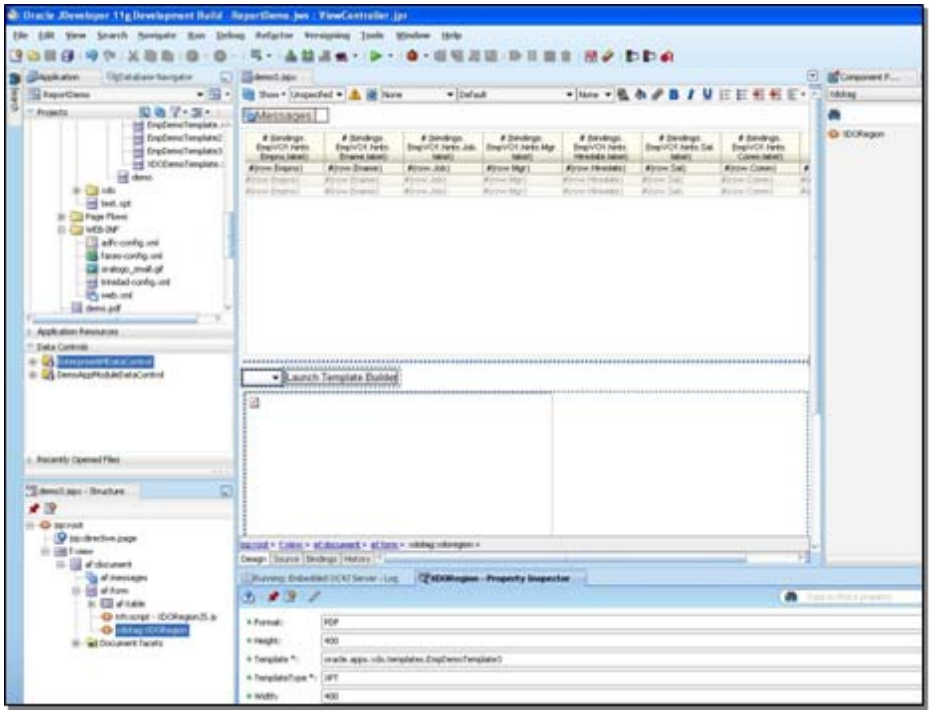
Planned for BI Publisher 11g - Master Template

- Master template defines styles of layout objects for RTF template
- Apply Master template styles to RTF template at runtime
- Supported styles
  - Table
  - Paragraph
  - List
  - Header/Footer



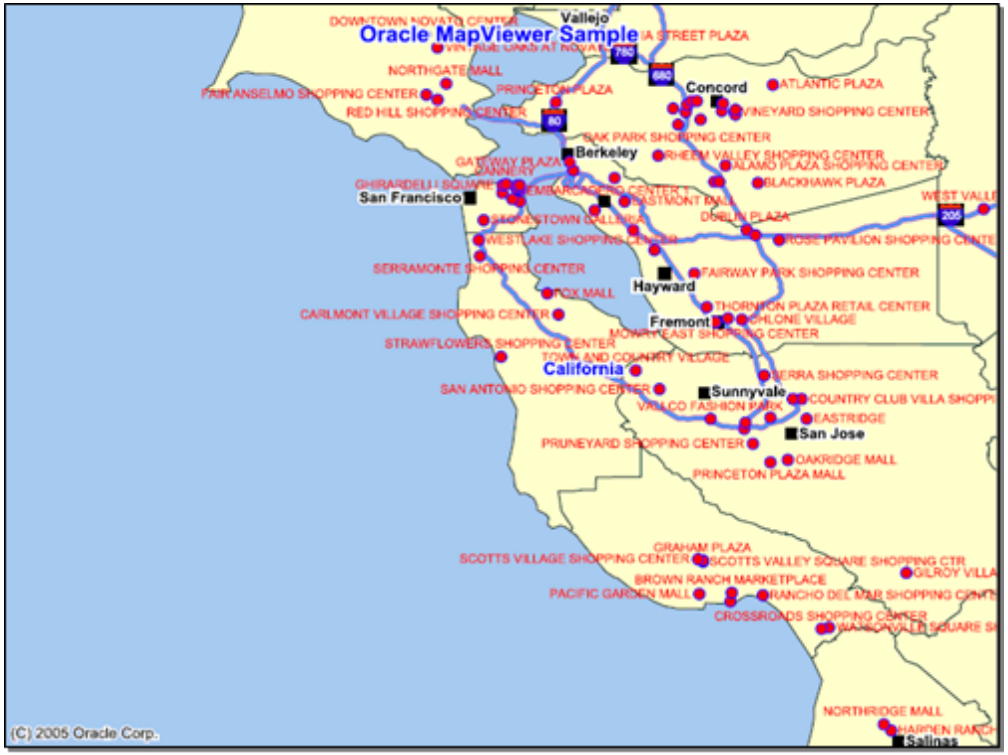
Planned for BI Publisher 11g - JDeveloper ADF integration

- JDeveloper Extension to develop and manage BI Publisher reports for ADF Applications
- Leverage ADF data model as data sources of BI Publisher reports
- Provide a common ADF region to link BI Publisher reports to ADF pages



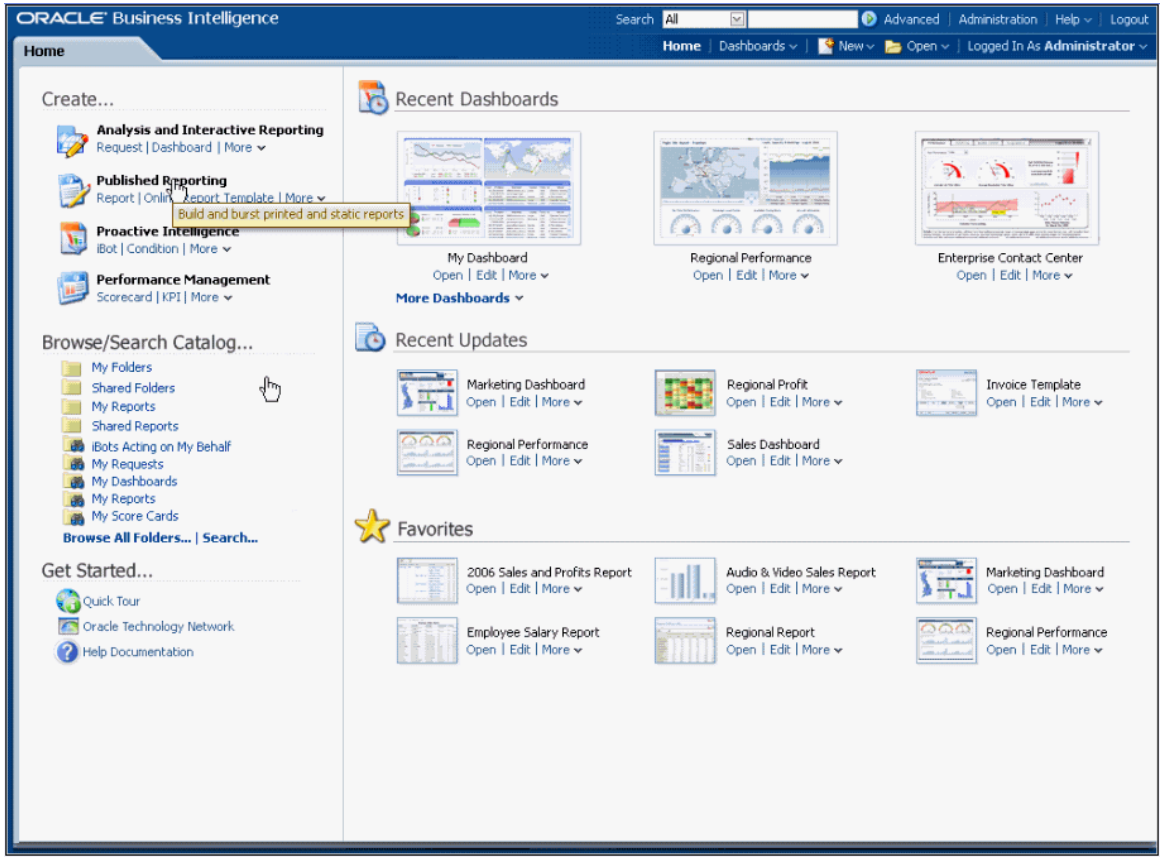
Planned for BI Publisher 11g - Java 2D API support for PDF output

- Java 2D API for 2D graphics and imaging in PDF output
- Oracle MapViewer uses Java 2D API to generate 2D graphical map in PDF



Planned for BI Publisher 11g – Tighter BI EE Suite Plus integration

- Shared Repository
- Integrated Home Page
- Integrated Scheduler (post 11gR1)



Oracle BI Publisher

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Some of our Customers

- Avago / Agilent / HP
- Bank of Egypt
- The Boeing Company
- City of West Palm Beach
- Dell
- Dubai e-Government
- European Parliament
- Fidelity Investments
- German Ministry of Finance
- NCR
- Pfizer
- Toyota Europe
- Qualcomm
- Washington Group International

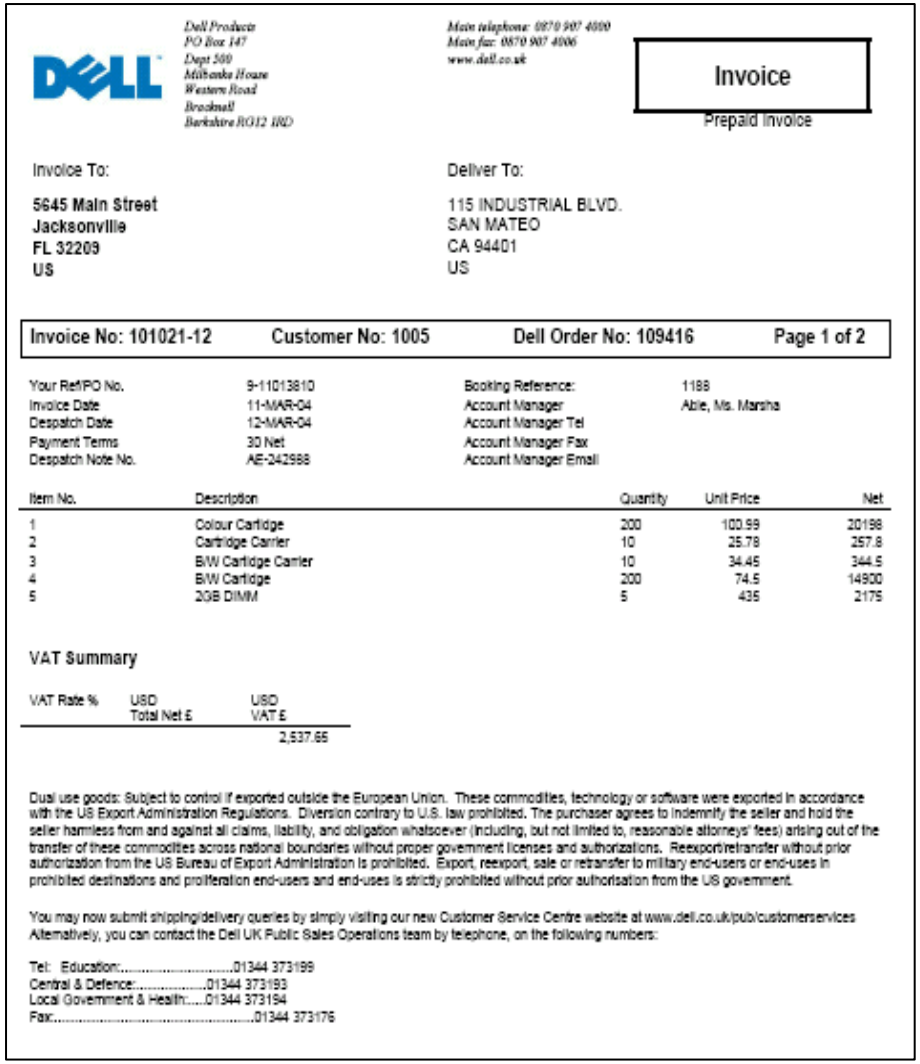
DELL Inc.

Business Requirements

- Generate Customer Facing Output
- Multiple Data Sources
- Translation support
- Multiple Delivery Channels
- High Volume ~20000 docs/hr
- Keep database load to a minimum

Implementation

- RTF Templates
- Delivery Manager
- Watermarking support
- BI Publisher on separate server



Dell Products
PO Box 147
Dept 500
Milbanke House
Western Road
Bracknell
Berkshire RG12 1RD

Main telephone: 0870 907 4000
Main fax: 0870 907 4006
www.dell.co.uk

Invoice

Prepaid Invoice

Invoice To:

5645 Main Street
Jacksonville
FL 32209
US

Deliver To:

115 INDUSTRIAL BLVD.
SAN MATEO
CA 94401
US

Invoice No: 101021-12 | Customer No: 1005 | Dell Order No: 109416 | Page 1 of 2

Your Ref/PO No.	9-11013810	Booking Reference:	1188
Invoice Date	11-MAR-04	Account Manager	Able, Ms. Marsha
Despatch Date	12-MAR-04	Account Manager Tel	
Payment Terms	30 Net	Account Manager Fax	
Despatch Note No.	AE-242988	Account Manager Email	

Item No.	Description	Quantity	Unit Price	Net
1	Colour Cartidge	200	100.99	20198
2	Cartridge Carrier	10	25.78	257.8
3	B/W Cartidge Carrier	10	34.45	344.5
4	B/W Cartidge	200	74.5	14900
5	2GB DIMM	5	435	2175

VAT Summary

VAT Rate %	USD Total Net £	USD VAT £
		2,537.65

Dual use goods: Subject to control if exported outside the European Union. These commodities, technology or software were exported in accordance with the US Export Administration Regulations. Diversion contrary to U.S. law prohibited. The purchaser agrees to indemnify the seller and hold the seller harmless from and against all claims, liability, and obligation whatsoever (including, but not limited to, reasonable attorneys' fees) arising out of the transfer of these commodities across national boundaries without proper government licenses and authorizations. Reexport/retransfer without prior authorization from the US Bureau of Export Administration is prohibited. Export, reexport, sale or retransfer to military end-users or end-uses in prohibited destinations and proliferation end-users and end-uses is strictly prohibited without prior authorisation from the US government.

You may now submit shipping/delivery queries by simply visiting our new Customer Service Centre website at www.dell.co.uk/pub/customerservices Alternatively, you can contact the Dell UK Public Sales Operations team by telephone, on the following numbers:

Tel: Education:.....01344 373199
Central & Defence:.....01344 373193
Local Government & Health:.....01344 373194
Fax:.....01344 373176

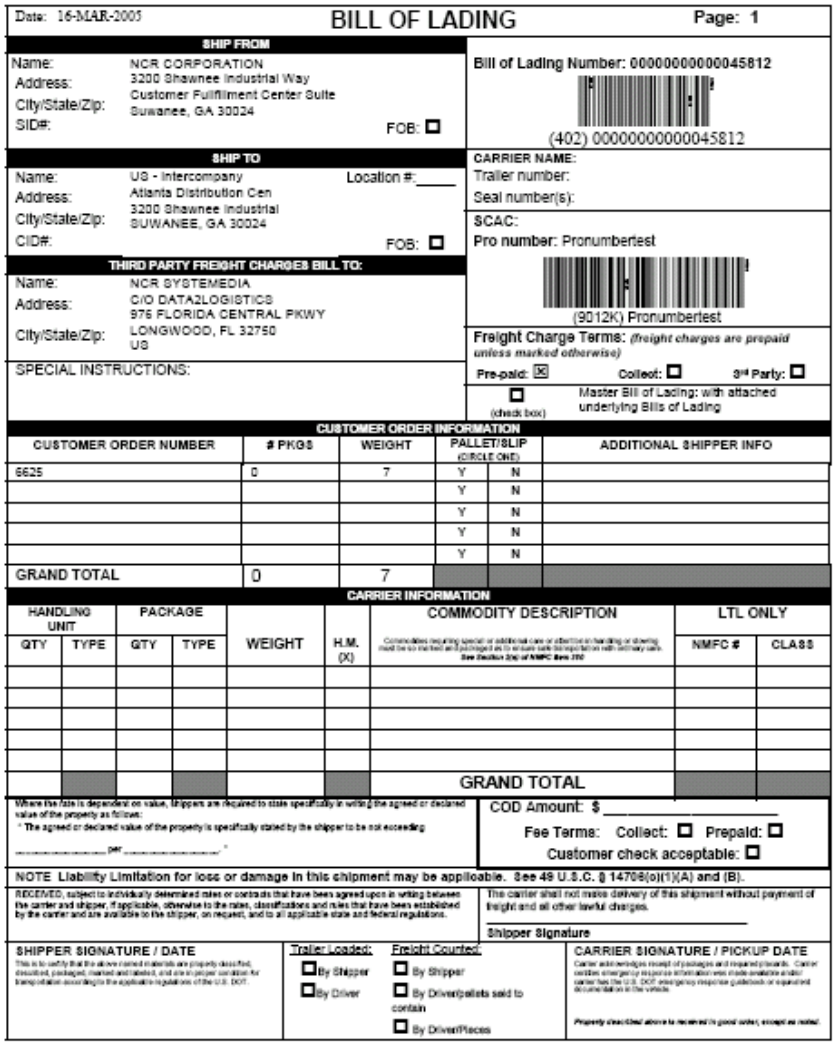
NCR

Business Requirements

- Generate Bill of Lading
- Barcode support
- Multiple Delivery Channels
- Supplemental Pages

Implementation

- RTF Templates
- Conditional Formatting
- External Font Mapping
- Delivery Manager



Date: 16-MAR-2005

BILL OF LADING

Page: 1

SHIP FROM

Name: NCR CORPORATION
Address: 3200 Shawnee Industrial Way
City/State/Zip: Customer Fulfillment Center Suite
SID#: Suwanee, GA 30024
FOB: ☐

Bill of Lading Number: 00000000000045812

(402) 00000000000045812

SHIP TO

Name: UG - Intercompany
Address: Atlanta Distribution Cen
City/State/Zip: 3200 Shawnee Industrial
CID#: SUWANEE, GA 30024
Location #:____
FOB: ☐

CARRIER NAME:
Trailer number:
Seal number(s):

SCAC:
Pro number: Pronumbertest

(9012K) Pronumbertest

THIRD PARTY FREIGHT CHARGES BILL TO:

Name: NCR SYSTEMEDIA
Address: C/O DATA2LOGISTICS
City/State/Zip: 976 FLORIDA CENTRAL PKWY
LONGWOOD, FL 32750
UG

Freight Charge Terms: *(freight charges are prepaid unless marked otherwise)*

Pre-paid: ☒ Collect: ☐ 3rd Party: ☐

SPECIAL INSTRUCTIONS:

☐ (check box) Master Bill of Lading: with attached underlying Bills of Lading

CUSTOMER ORDER INFORMATION

CUSTOMER ORDER NUMBER	# PKGS	WEIGHT	PALLET/SLIP (CIRCLE ONE)		ADDITIONAL SHIPPER INFO
6625	0	7	Y	N	
			Y	N	
			Y	N	
			Y	N	
			Y	N	
GRAND TOTAL	0	7			

CARRIER INFORMATION

HANDLING UNIT QTY	HANDLING UNIT TYPE	PACKAGE QTY	PACKAGE TYPE	WEIGHT	H.M. (X)	COMMODITY DESCRIPTION	LTL ONLY NMFC #	LTL ONLY CLASS
						GRAND TOTAL		

Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property as follows:
"The agreed or declared value of the property is specifically stated by the shipper to be not exceeding _____ per _____."

COD Amount: $ _____
Fee Terms: Collect: ☐ Prepaid: ☐
Customer check acceptable: ☐

NOTE Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. § 14706(c)(1)(A) and (B).

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request, and to all applicable state and federal regulations.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

Shipper Signature

SHIPPER SIGNATURE / DATE

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the U.S. DOT.

Trailer Loaded: ☐ By Shipper ☐ By Driver

Freight Counted: ☐ By Shipper ☐ By Driver/pallets said to contain ☐ By Driver/Pieces

CARRIER SIGNATURE / PICKUP DATE

Carrier acknowledges receipt of packages and required placards. Carrier certifies emergency response information was made available and/or carrier has the U.S. DOT emergency response guidebook or equivalent documentation in the vehicle.

Property described above is received in good order, except as noted.

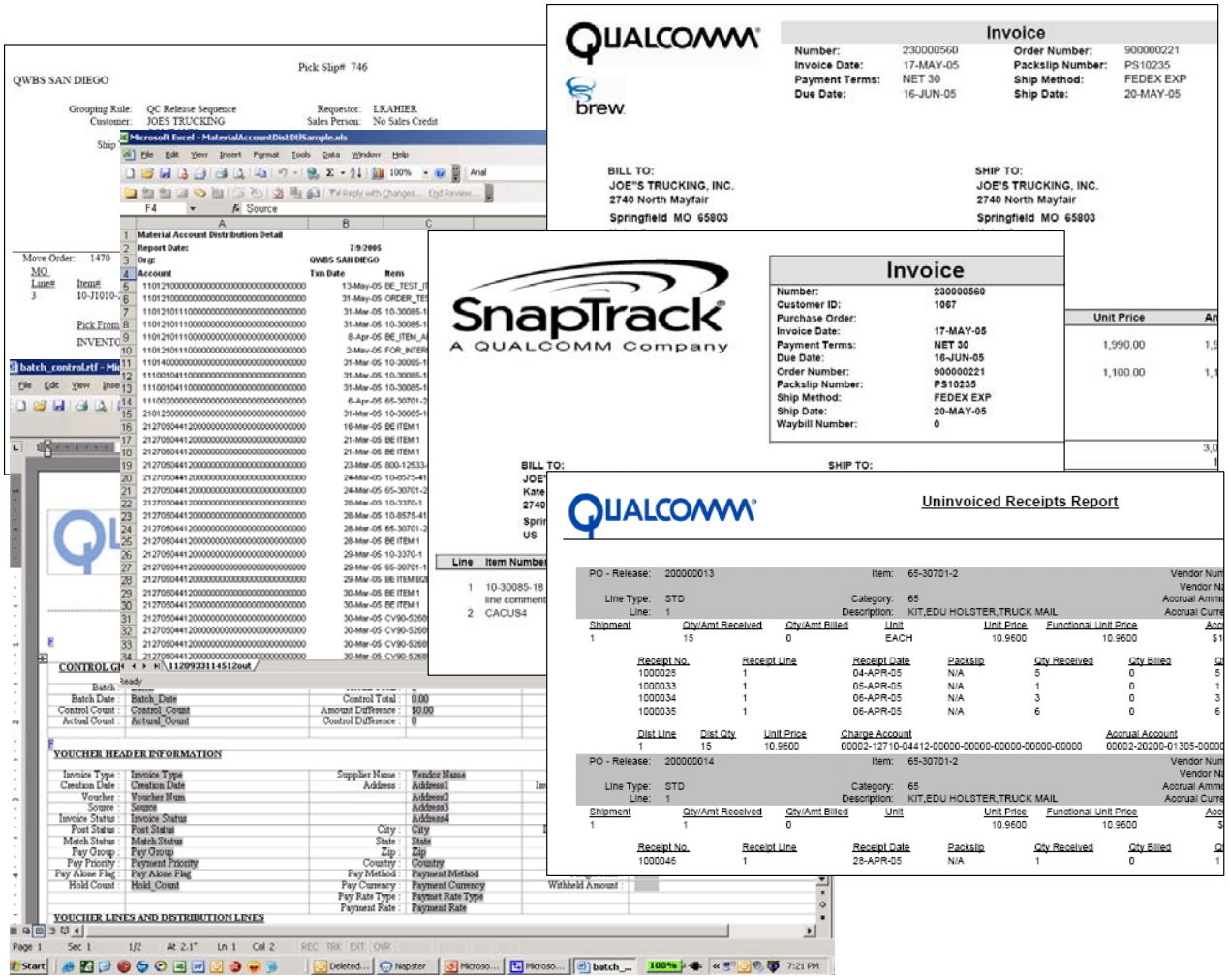
Qualcomm

Business Requirements

- 60 Reports
- 30 Invoice variants
- Barcodes
- Graphics
- Electronic banking

Implementation

- Implemented in 3 Month
- Business Analysts create Templates
- RTF Templates
- eText Templates



Bank of Egypt

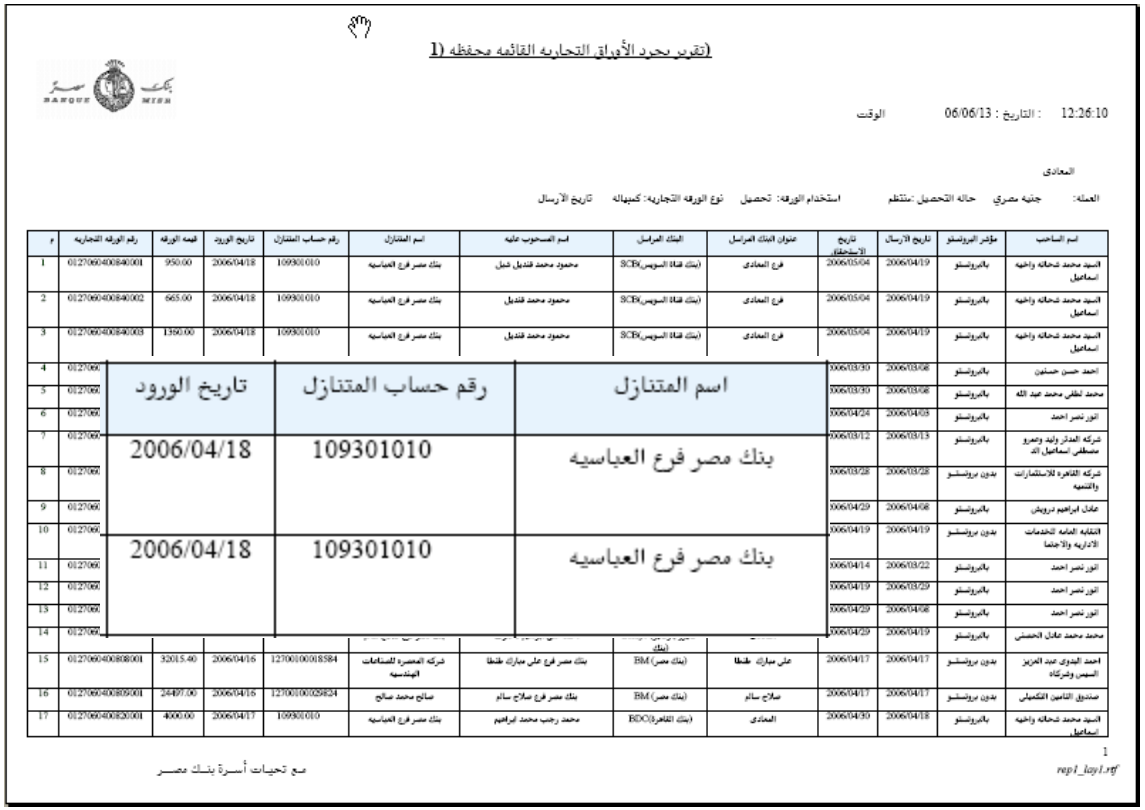
بنك مصر
BANQUE MISR

Business Requirements

- Report from transaction database
- High Volume Reporting
- Minimize Load on Database
- Bursting
- Bidirectional language support: Arabic

Implementation

- iFLEX Customer
- Migrating 400 reports from BO to BI Publisher
- Bidirectional RTF Templates
- Bursting



1) تقرير بجرد الأوراق التجاريه القائمه بحفظه

التاريخ : 06/06/13 الوقت 12:26:10

المعادى

العمله: جنيه مصري حاله التحصيل :منتظم استخدام الورقه: تحصيل نوع الورقه التجاريه: كمبيالة تاريخ الأرسال

م	رقم الورقه التجاريه	القيمه الورقه	تاريخ الورود	رقم حساب المتنازل	اسم المتنازل	اسم المسحوب عليه	البنك المرسل	عنوان البنك المرسل	تاريخ الاستحقاق	تاريخ الأرسال	مؤشر البروتستو	اسم الساحب
1	0127060400840001	950.00	2006/04/18	109301010	بنك مصر فرع العباسيه	محمود محمد فنديل شمل	(بنك قناة السويس)SCB	فرع المعادى	2006/05/04	2006/04/19	بالبروتستو	السيد محمد شحاته واخيه اسماعيل
2	0127060400840002	665.00	2006/04/18	109301010	بنك مصر فرع العباسيه	محمود محمد فنديل	(بنك قناة السويس)SCB	فرع المعادى	2006/05/04	2006/04/19	بالبروتستو	السيد محمد شحاته واخيه اسماعيل
3	0127060400840003	1360.00	2006/04/18	109301010	بنك مصر فرع العباسيه	محمود محمد فنديل	(بنك قناة السويس)SCB	فرع المعادى	2006/05/04	2006/04/19	بالبروتستو	السيد محمد شحاته واخيه اسماعيل
4	0127060								2006/03/30	2006/03/08	بالبروتستو	احمد حسن حسنين
5	0127060								2006/03/30	2006/03/08	بالبروتستو	محمد لطفى محمد عبد الله
6	0127060								2006/04/24	2006/04/03	بالبروتستو	انور نصر احمد
7	0127060								2006/03/12	2006/03/13	بالبروتستو	شركه المدثر وليد وصبرو مصطفى اسماعيل الله
8	0127060								2006/03/28	2006/03/28	بدون بروتستو	شركه القاهره للاستثمارات والتنميه
9	0127060								2006/04/29	2006/04/08	بالبروتستو	عادل ابراهيم درويش
10	0127060								2006/04/19	2006/04/19	بدون بروتستو	النقابه العامه للخدمات الاداريه والاجتما
11	0127060								2006/04/14	2006/03/22	بالبروتستو	انور نصر احمد
12	0127060								2006/04/19	2006/03/29	بالبروتستو	انور نصر احمد
13	0127060								2006/04/29	2006/04/08	بالبروتستو	انور نصر احمد
14	0127060								2006/04/29	2006/04/19	بالبروتستو	محمد محمد عادل الحسينى
15	0127060400880001	32015.40	2006/04/16	127001000185B4	شركه المصريه للصناعات الهندسيه	بنك مصر فرع على مبارك طنطا	(بنك مصر) BM	على مبارك طنطا	2006/04/17	2006/04/17	بدون بروتستو	احمد البدرى عبد العزيز السيس وشركاه
16	0127060400859001	24497.00	2006/04/16	127001000298B4	صالح محمد صالح	بنك مصر فرع صلاح سالم	(بنك مصر) BM	صلاح سالم	2006/04/17	2006/04/17	بدون بروتستو	صندوق التامين التكميلى
17	0127060400820001	4000.00	2006/04/17	109301010	بنك مصر فرع العباسيه	محمد رجب محمد ابراهيم	(بنك القاهرة)BDC	المعادى	2006/04/30	2006/04/18	بالبروتستو	السيد محمد شحاته واخيه اسماعيل

اسم المتنازل	رقم حساب المتنازل	تاريخ الورود
بنك مصر فرع العباسيه	109301010	2006/04/18
بنك مصر فرع العباسيه	109301010	2006/04/18

مع تحيات أسرة بنك مصر

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