Oracle BI Publisher Overview, What’s New and Planned

Mike Donohue
Director, BI Product Management
Oracle

Ed Farler
Solution Executive
CSC
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

• Why BI Publisher
• CSC, Medicare and BI Publisher
• BI Publisher Benefits
• Demo
• What’s New
• What’s Planned
• Q&A
Why BI Publisher?

• BI Publisher can Provide All Your Reports…

• Easier
• Better Managed
• Faster
Invoices
BI Publisher ... For All Your Reports

- **Invoices**
- **Correspondence**

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**Oracal**

Dear Mr. Johnson,

According to our records as of October 31, we show the following open invoices:

**Invoice Balance:** $21,000.00

**On-hand Credits and Discounts:** $0.00

**Total:** $21,000.00

**Your USD Balance:** $3,885,697.81

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**Invoice Details**

<table>
<thead>
<tr>
<th>Invoice Number</th>
<th>Invoice Type</th>
<th>Amount</th>
<th>Credit Charge</th>
<th>Open Balance</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>10002002</td>
<td>Standard</td>
<td>$32,700.00</td>
<td>$0.00</td>
<td>$32,700.00</td>
<td>$32,700.00</td>
</tr>
<tr>
<td>10002003</td>
<td>Standard</td>
<td>$31,350.00</td>
<td>$0.00</td>
<td>$31,350.00</td>
<td>$31,350.00</td>
</tr>
<tr>
<td>10002004</td>
<td>Standard</td>
<td>$29,950.00</td>
<td>$0.00</td>
<td>$29,950.00</td>
<td>$29,950.00</td>
</tr>
</tbody>
</table>

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Oracle Corporation
1 Oracle Center
Redwood City
CA 94065

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BI Publisher … For All Your Reports

- Invoices
- Correspondence
- Purchase Orders
BI Publisher … For All Your Reports

✓ Invoices
✓ Correspondence
✓ Purchase Orders
✓ Shipping Labels
**BI Publisher ... For All Your Reports**

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

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**W-2 Wage and Tax Statement 2007**

| Form | 2007
|------|------
| Name | Jane Smith
| Social Security Number | 000-00-0000
| Address | 123 Elm Street, Naperville, IL 60543
| Tax ID | 01-5555555

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**Form W-2 – Instructions**

- **Do Not Cut, Fold, or Staple Forms on This Page**
- **Do Not Cut, Fold, or Staple Forms on This Page**

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**Oracle**

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BI Publisher … For All Your Reports

- Invoices
- Correspondence
- Purchase Orders
- Shipping Labels
- Government Forms
- EFT & EDI
BI Publisher ... For All Your Reports

✓ Invoices
✓ Correspondence
✓ Purchase Orders
✓ Shipping Labels
✓ Government Forms
✓ EFT & EDI
✓ Checks
✓ Invoices
✓ Correspondence
✓ Purchase Orders
✓ Shipping Labels
✓ Government Forms
✓ EFT & EDI
✓ Checks
✓ Operational Reports
BI Publisher … For All Your Reports

- Invoices
- Correspondence
- Purchase Orders
- Shipping Labels
- Government Forms
- EFT & EDI
- Checks
- Operational Reports
- Financial Statements
BI Publisher … For All Your Reports

✓ Invoices
✓ Correspondence
✓ Purchase Orders
✓ Shipping Labels
✓ Government Forms
✓ EFT & EDI
✓ Checks
✓ Operational Reports
✓ Financial Statements
✓ Interactive Reports
Easier – MasterCard Worldwide

Challenges

• Purchase Orders for 50 Operating Units across the globe

• Vendor Country Terms & Conditions

• 90 days and 3 people (incl. 3rd party vendor) to implement POs
Easier – MasterCard Worldwide

Challenges

• Purchase Orders for 50 Operating Units across the globe
• Vendor Country Terms & Conditions
• 90 days and 3 people (incl. 3rd party vendor) to implement POs

Results

• 3 days and 1 person to implement POs
• 12x faster w/ 1/3 fewer people
• End-to-End process using out of the box functionality
Better Managed – Gallup

Challenges

• Over 200 Crystal Reports
• Cumbersome report repository frustrated users and IT staff
• Duplicate reports with minor layout changes and to support multi-language
Better Managed – Gallup

Challenges

• Over 200 Crystal Reports
• Cumbersome report repository frustrated users and IT staff
• Duplicate reports with minor layout changes and to support multi-language

Results

• 30 Publisher reports (85% reduction)
• 3 months w/ one f/t report developer
• End Users and IT staff very happy
Faster – Consolidated Graphics

Business

• Customer brochures at car dealerships
• Photo albums & Calendars from photo websites
• Large Print signage at conferences
• Benefit & Enrollment forms for Healthcare Providers

Challenges

• 100,000 Enrollment Forms in 48 hours
• .NET server taking 24 hrs to generate 4,000 Forms
• 24 .NET servers & 15 people to monitor and resubmit failures
Faster – Consolidated Graphics

Before …

100,000 Forms in 24 hours

24 .NET Servers

15 Administrators *

* Required to re-submit failed jobs

After …
Faster – Consolidated Graphics

Before …

100,000 Forms in 24 hours

24 .NET Servers

15 Administrators *

After …

100,000 Forms in 3 hours 8 x Faster!

* Required to re-submit failed jobs
Faster – Consolidated Graphics

Before ...

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24 .NET Servers

15 Administrators *

After ...

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8 x Faster!

1 BI Publisher Server
2 .NET Servers

1/8 Fewer Servers!

* Required to re-submit failed jobs
Faster – Consolidated Graphics

Before …

100,000 Forms in 24 hours

24 .NET Servers

15 Administrators *

* Required to re-submit failed jobs

After …

100,000 Forms in 3 hours 8 x Faster!

1 BI Publisher Server

2 .NET Servers

4 Administrators

1/8 Fewer Servers!

1/3 Fewer People! No babysitting!

* Required to re-submit failed jobs
Oracle BI Publisher

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CSC

Global IT services organization of 96,000 professionals helping solve the toughest challenges of over 2,500 businesses, governments and communities in more than 70 countries on six continents and outer space

• 162 on the Fortune 500 for 2012
• Technology Independent: Alliances with 100+ best of breed partners to tailor solutions to best meet business need
• CSC Booth #501 Moscone South
CSC at CMS - Centers for Medicare and Medicaid Services

• Initiative to improve the quality of health care services provided to Medicare and Medicaid beneficiaries

• Medicare
  • largest health insurance plan in the world
  • pays over $500 billion a year for health care
  • over 48 million beneficiaries
  • 1.6 billion records a year

• Reports drive the mission-critical quality process
CMS Challenges

- Siloed, redundant, legacy reporting systems: Cognos, Microstrategy, Power Builder, SAS, and custom solutions
- Slow reports → 100% scheduled, batch processing
- Dated, old information
- Supporting multiple complex infrastructures
- Up to 6 months to change some reports
CMS Goals

- Simplify and consolidate reporting infrastructure
- Support On Demand as well as Scheduled reports
- Generate all the existing reports & statutory docs
- Move to single SOA-based architecture
- Faster report development
- Easier report maintenance
CMS

Progress so far …

• Most CMS reports a perfect match for BI Publisher
• 70 of 450 reports converted
• Integrated with WebCenter Content
• Integrated with MapViewer
• BI Publisher jobs thru Job Manager
• Integrated with JFree Charts to create “Box and Whiskers” chart
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BI Publisher Simplifies Maintenance

Separate query, layout, and translation

Data Logic

Layout

Translation

Greater Flexibility – Reduced Maintenance Cost
Develop Reports Faster with BI Publisher

• Business users create layouts with browser or familiar desktop tools
• IT builds data model

Multiple Data Sources

Reports

Layouts
BI Publisher – One Environment …

- Author
- Manage
- Deliver

- Remove Complexity
- Reduce Maintenance Cost
- Reduce Total Cost
BI Publisher … from Data to Destination

Oracle Database
Oracle BI
SQL Server

E-Business Suite, PeopleSoft, Siebel, JD Edwards

OLAP

Web Services

Oracle BI Publisher

Layouts

• Publisher
• Word
• Acrobat

Interactive

PDF
HTML
Excel
PowerPoint
Flash
RTF
XML/CSV
EFT/EDI

Email
Printer
Fax
Repository
e-Commerce
BI Publisher Global Consolidation

- Supports 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 supports
  - Chinese, Japanese, Korean
  - Bidirectional Languages
  - Unicode
  - Multiple Language Support
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Demo

DEMONSTRATION
Oracle BI Publisher

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BI Publisher 11.1.1.6 New Features & Doc

• For Consumers
  – Improved Interactive Performance
  – Favorites
  – Edit Scheduled Job
  – Schedule Triggers
  – Enhanced Parameters
  – Enhanced E-Business Support

• Extras
  – Trial Edition
  – Oracle Reports Conversion Assistant

• For Authors
  – Create Report Workflow
  – Enhanced Parameters and List of Values
  – Report Lifecycle Management
  – PDF/A and PDF/X
  – Preserve HTML formatting in data
  – Template Builder for 64 bit Word

• For Administrators
  – Independent Authorization and Authentication servers
Oracle BI Publisher

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Planned (0 –12 months)
For Report Consumers
Improved XPT Doc Gen Performance

Generate formatted output anywhere from 50% to 20x faster.

• Generating formatted output (PDF, HTML, RTF, XLSX, etc.) from a Publisher Layout (XPT) will be from 50% up to 20x faster
• Consolidate XPT formatted and interactive output to use same engine

VALUE: Generating formatted output up to 20x faster.
Planned (0 – 12 months)
For Report Authors
Report Wizard Enhancements

Make simple reports easy to create.

- Expand the available data sources supported by the wizard
- Enable users to create reports with charts thru the wizard
- Enable users to easily create reports of greater variety thru the wizard

**VALUE:** Empower casual users by providing wider range of data sources and layout control to more easily create simple reports.
Layout Editor Enhancements

Greater formatting control increases the range of report requirements that can be satisfied.

- Time Axis formatting options
- Dynamic Formatting Mask
- Hide Axis functionality
- Independent Decimal Digits for Y1/Y2 axis
- Data Label Percentage and Currency formatting
Layout Editor Extensions for Interactive Viewer

Include content, visualizations, etc. generated by external apps.

- Developer can create JS plugin for external applications
- Admin enables plugins to extend Layout Editor
- Report Author includes objects from 3rd party apps
- Only available for Interactive Output – not formatted output like PDF

VALUE: Create and consume interactive reports that are enhanced with content from external applications such as Google, YouTube, custom apps etc..
Improved Excel Template Builder

Create Excel Templates faster and easier.

- Automatically create meta data page
- Insert Field Dialog
- Insert repeating Section Dialog
- Field Browser
- Connect to server, Upload and Download templates

VALUE: Faster and Easier for Report Authors to create Excel Templates.
PDF to PCL for Selected Commands

Support for HP PCL output and commands needed to leverage common industry HW solutions for check printing

- Use signature from a memory stick (e.g., for check printing)
- Tray selection on a per page basis
- Print selected strings using a specific ink cartridge (e.g. MICR on a check needs to use magnetic ink cartridge)

VALUE: Customers able to leverage common industry HW solutions for check printing
PDF 1.7 Support

Support PDF Specification ver 1.7

- PDF 1.7 Support for all features and APIs:
  - FormProcessor
  - PDFDocMerger
  - PDFBookBinder
  - PDFSignature
  - PDFUtility
  - PDF2PS
  - PDF2Image
  - PDF2PCL

**VALUE:** Report Authors and Developers can use PDF templates and file ver 1.4 to 1.7 without having to downgrade to PDF ver 1.4
Planned (0 –12 months)
For Data Model Designers
MDX Query Builder

Empower Data Model Designers to graphically build MDX queries.

• More easily report against Essbase & Planning cubes
• Combine Essbase data with data from other sources in the same report
• Use BI Publisher for production style reporting against Essbase

VALUE: Enables users with no knowledge of MDX to report on data stored in Essbase.
Improved Data Model Editor Usability

Makes it easier to create and test data models. Provide direct workflow to create report.

- Easier, more intuitive UI for creating and saving sample data
- Provide tabular view and tree view of data
- Create Report button enables user to immediately create report after creating the Data Model

VALUE: Improved user experience for Data Model Designers.
CSV as a Data Source

Enable reporting against CSV and similar flat file sources.

• Extends support for data to CSV format
• Includes tab, semicolon and pipe delimited files
• Data model may include data from other sources but not joining to CSV

VALUE: Enables users to report on CSV data extracted from other sources.
Support CSV and XML as “Local” Sources

Enable self service reporting against local CSV and XML files without Administrator involvement.

• Users can upload their own CSV and XML files
• Provides self service reporting against local data files
• Enables users to create reports that contain data from shared sources and local sources
• User is responsible for refreshing and sharing data

VALUE: Empowers users to do self service reporting against their own data files.
Private JDBC Connections

Enable self service reporting against local or departmental databases without Administrator involvement.

- Users can connect to their own or departmental databases
- Provides self service reporting against local databases
- Enables users to create reports that contain data from shared sources and local sources.
- Data can be joined to shared sources
- Administrator may promote to a shared source

VALUE: Empowers users to do self service reporting against local or departmental databases.
Event Driven Jobs Phase 2

Enable users to set up flexible, conditional execution of scheduled jobs.

- Data Model Designer creates Data Model with schedule trigger
- Triggers can be created and shared from a single data model
- Users create scheduled jobs and determine window of time to check for condition
- Reports execute when condition is true or are skipped

VALUE: Users can schedule reports to execute based on an event or condition over a window of time.
Planned (0 –12 months)
For Developers
JDev/ADF Integration

Plug-in for Oracle JDeveloper so you can embed reports into custom ADF applications.

- BI Publisher Plugin to JDeveloper
- Embed BI Publisher reports into ADF applications
- Push data to report from ADF page

**VALUE:** Developers can BI Publisher reports to their ADF applications using JDeveloper.
Planned (0 –12 months)
For Administrators
Convert EBS Catalog to BI Publisher

Convert XMLP reports in EBS to BI Publisher Catalog.

- Converts XML Publisher Data Templates to Publisher 11g Data Models
- Creates an 11g report to hold layouts
- Uploads directly to catalog

**VALUE:** EBS customers can move any or all of their reporting to BI Publisher Enterprise
Enh Oracle Reports to Publisher Conversion Asst.

Generate a BI Publisher Layout (XPT) in addition to an RTF Layout.

- Will generate XPT Layout in addition to RTF Layout
- UI updated to match Oracle standards
- Report author can continue with either RTF or XPT or both
- XPT enables Interactive Output

VALUE: Gives Administrators and report authors greater choice when converting from Oracle Reports.
Planned (0 – 12 months)  
For Integration
Publisher Reports against Endeca Server

Enables users to create and schedule highly formatted reports against Endeca Information Discovery.

- Leverage Endeca Server as a data source
- Use MDEX as a data set in Publisher Data Models
- Use all BI Publisher layout types to create wide range of output formats
- Schedule reports to run and deliver to wide range of destinations

**VALUE:** Generate highly formatted documents and deliver on scheduled basis for Oracle Endeca Information Discovery content.
Publisher Reports Direct to Subject Areas

Enable users to create Publisher reports directly against the BI Server subject areas without having to create a Data Model or depend on existing Answers Analyses.

- Use one or more subject areas to create reports in Publisher
- Remove need to create a Data Model
- Execute logical SQL directly against BI Server using JBIPS
- View reports in interactive mode and all other output formats

VALUE: Lower TCO by leveraging investment in and intellectual property of the BI Server Semantic Layer.
Custom Printable Dashboard Layouts

Enable BI authors to create printable layouts for Dashboards.

• Create layouts via import
• Layouts attached to Dashboard
• Template-Based Printing
  – Pixel-Perfect Printing/PDF generation
  – Multiple Print Templates
  – Supports Dashboard prompts

VALUE: Dashboard-based BI Applications can be augmented with multiple, high-quality printed reports.
Support EBS Flex Fields as Parameters

Support EBS FlexFields (segmented fields) as parameters in BI Publisher reports.

- Define parameters based on FlexFields in Data Model Editor
- Support parameters based on FlexFields in Report Viewer, Scheduler
- Support for Key FlexFields not Descriptive FlexFields

**VALUE:** More E-Business Suite customers will be able to create and run more reports on BI Publisher Enterprise.
BI Publisher Future Direction
Post 12 Month Planning

• Multi Tenant Support
• Data Source Enhancements
• Data Engine Java API & Data Templates
• Layout Editor Enhancements
• Chart Synchronization
• Template Builder Enh.

• RTF Layout Doc Gen Performance
• New Look and Feel
• Debugging & Error Msg Enh.
• Bursting Enhancements 2
• Job Recovery
• JDev/ADF Phase 2 – interactive output? Web Center?
• Memory Guard
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Stay Connected to BI Publisher

http://www.oracle.com/technetwork/middleware/bi-publisher/overview/index.html
Q&A
Hardware and Software Engineered to Work Together