

Oracle BI Publisher 11g im Überblick @ DOAG

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O-BI-PUB @ DOAG
24.07.2012

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AGENDA

1. Überblick

2. Live Demo

- Datenquelle
- Datenmodell
 - Sample Data
- Report
 - Layout Online
 - Layout RTF

Oracle BI Publisher im Überblick

1. Oracle BIPublisher ist ein Reporting Tool innerhalb der **Oracle Fusion Middleware**
 - Langfristig wird Oracle BI Publisher Oracle Reports ersetzen.
 - Kann innerhalb APEX verwendet werden
2. Pixel Perfect und Druckoutput.
3. Er ist eine Template-based Publisher die in sehr vielen Oracle Lösungen benutzt wird:
 - Oracle Business Intelligence Suite Enterprise Edition
 - Oracle E-Business Suite, PeopleSoft Enterprise
 - JD Edwards Enterprise One, Hyperion Planning and Financial Management
 - Oracle Application Express (APEX)
 - Oracle Discoverer

Oracle BI Publisher im Überblick

4. Oracle BI Publisher kann auch Stand-Alone verwendet werden
5. Die BI Publisher Java APIs kann in Projekten mit Java/J2EE verwendet werden.
6. Language support für Datum und Währung
 - 185 languages and 244 Territories
 - XLIFF (XML Localization Interchange File Format) für Mehrsprachigkeit.
8. Es handelt sich um eine XSL-FO basierte Technology die es erlaubt gleichzeitig auf unterschiedliche Datenquellen zuzugreifen.



Oracle BI Publisher – im Einsatz

- Bestellungen
- Etiketten/ Bar Codes
- Collateral
- eTextBoth
- Formulare
- Rechnungen
- Operative Reports
- Briefsendungen
- Geschäftsberichte
- Schecks
- Datenaustausch

DELL
 Dell Product
 P.O. Box 147
 Eagle Pass
 Milbake House
 Western Road
 Broadwell
 Bankeira H012 WD

Main telephone: 0870 987 4000
 Fax: 0870 987 4006
 www.dell.co.uk

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 RefPO No. 9-1101810 Booking Reference: 1188
 Invoice Date 11-MAR-04 Account Manager Able, Ms. Marsha
 Dispatch Date 12-MAR-04 Account Manager Tel
 Payment Terms 30 Net Account Manager Fax
 Dispatch Note No. AE-042988 Account Manager Email

| Item No. | Description | Quantity | Unit Price | Net |
|----------|----------------------|----------|------------|--------|
| 1 | Colour Cartridge | 200 | 103.99 | 207.98 |
| 2 | Cartridge Carier | 10 | 25.76 | 257.6 |
| 3 | BIW Cartridge Carier | 10 | 34.45 | 344.5 |
| 4 | BIW Cartridge | 200 | 74.6 | 14920 |
| 5 | USB DMM | 5 | 435 | 2175 |

VAT Summary

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

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Date: 16-MAR-2005 **BILL OF LADING** Page: 1

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

SHIP TO
 Name: US - Intercompany
 Address: Atlanta Distribution Cen
 City/State/Zip: 3200 Shawnee Industrial
 SUWANEE, GA 30024
 Location #: FOB:

Bill of Lading Number: 0000000000045812

 (402) 0000000000045812

CARRIER NAME
 Trailer number:
 Seal number(s):
 SCAC:
 Pro number: Pronumberbest

 (9512K) Pronumberbest

Freight Charge Terms: (freight charges are prepaid unless stated otherwise)
 Pre-paid: Collect: 3rd Party:
 Master Bill of Lading: attached
 underlying Bill of Lading

| PKWY | FRIGHT | WEIGHT | PALLET/BLP | ADDITIONAL SHIPPER INFO |
|------|--------|--------|------------|-------------------------|
| | 7 | Y | N | |
| | | Y | N | |
| | | Y | N | |
| | | Y | N | |
| | | Y | N | |
| | 7 | | | |

CUSTOMER ORDER INFORMATION

| PKWY | FRIGHT | WEIGHT | PALLET/BLP | ADDITIONAL SHIPPER INFO |
|------|--------|--------|------------|-------------------------|
| | 7 | Y | N | |
| | | Y | N | |
| | | Y | N | |
| | | Y | N | |
| | | Y | N | |
| | 7 | | | |

CARRIER INFORMATION

| DHT | H.M. | COMMODITY DESCRIPTION | NMFC # | CLASS |
|-----|------|-----------------------|--------|-------|
| (X) | (X) | | | |

GRAND TOTAL

COG Amount: \$
 Fee Terms: Collect: Prepaid:
 Customer check acceptable:

Shipper Signature

CARRIER SIGNATURE / PICKUP DATE



Output : HTML, PDF, RTF, EDI, Excel, XML, ...

BI Publisher – im Einsatz

- Interactive Dashboards
- Ad hoc Analyse Reporting
- Web Apps für iPhone & iPad



Bi Publisher in the OBIEE Foundation

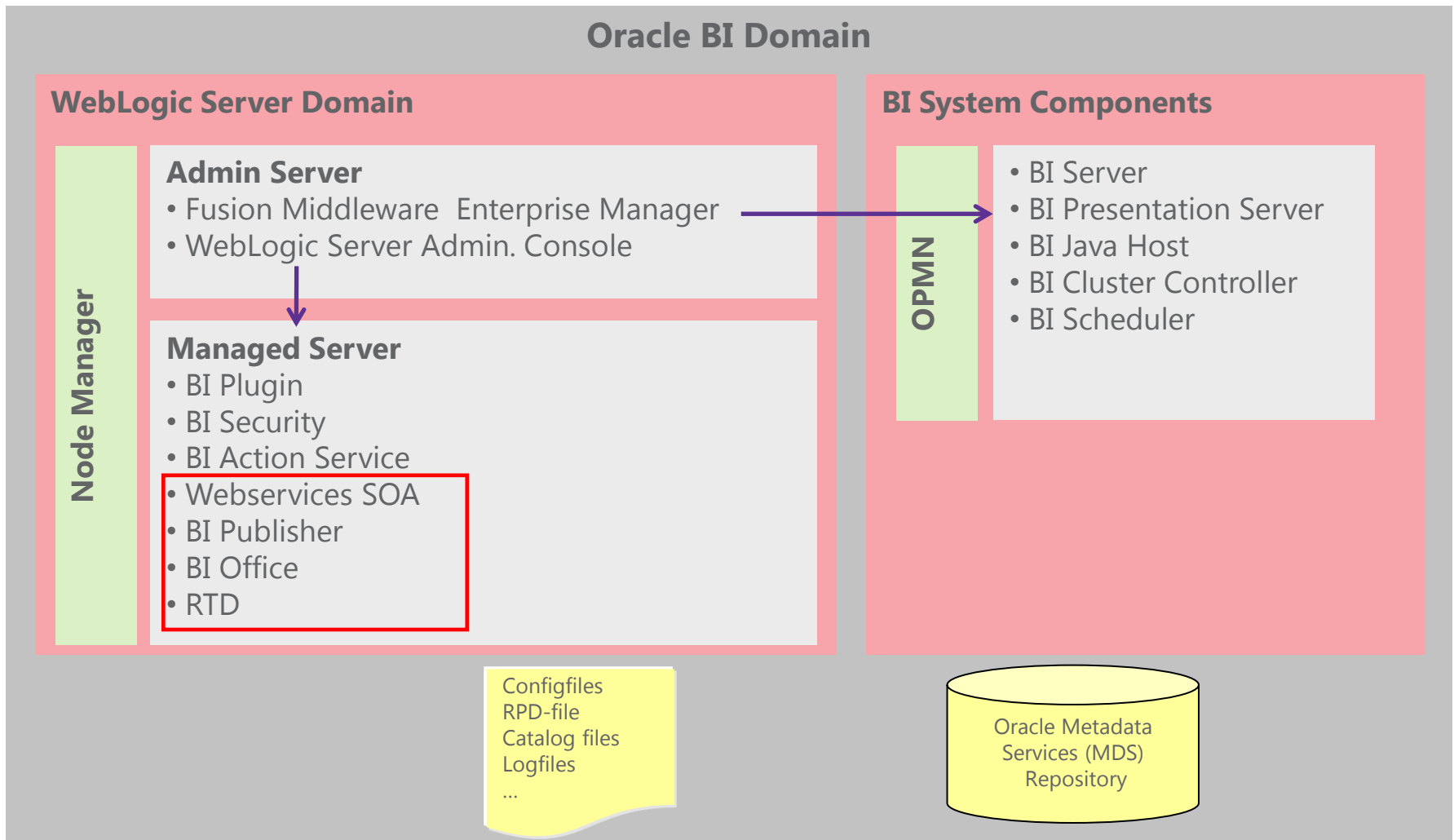


Common Enterprise Information Model

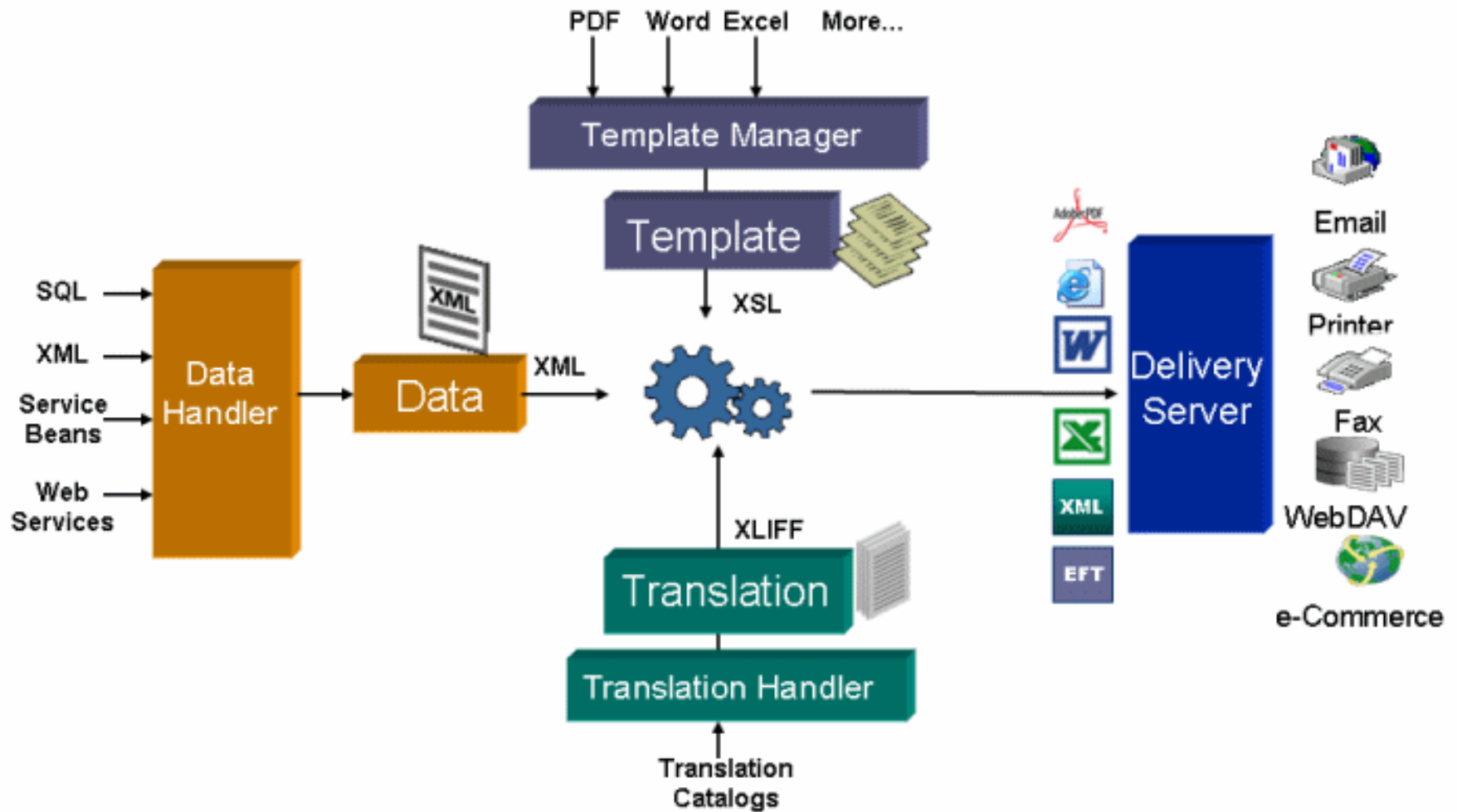
Integrated Security, User Management, Personalization
 Multidimensional Calculation and Integration Engine
 Intelligent Request Generation and Optimized Data Access Services



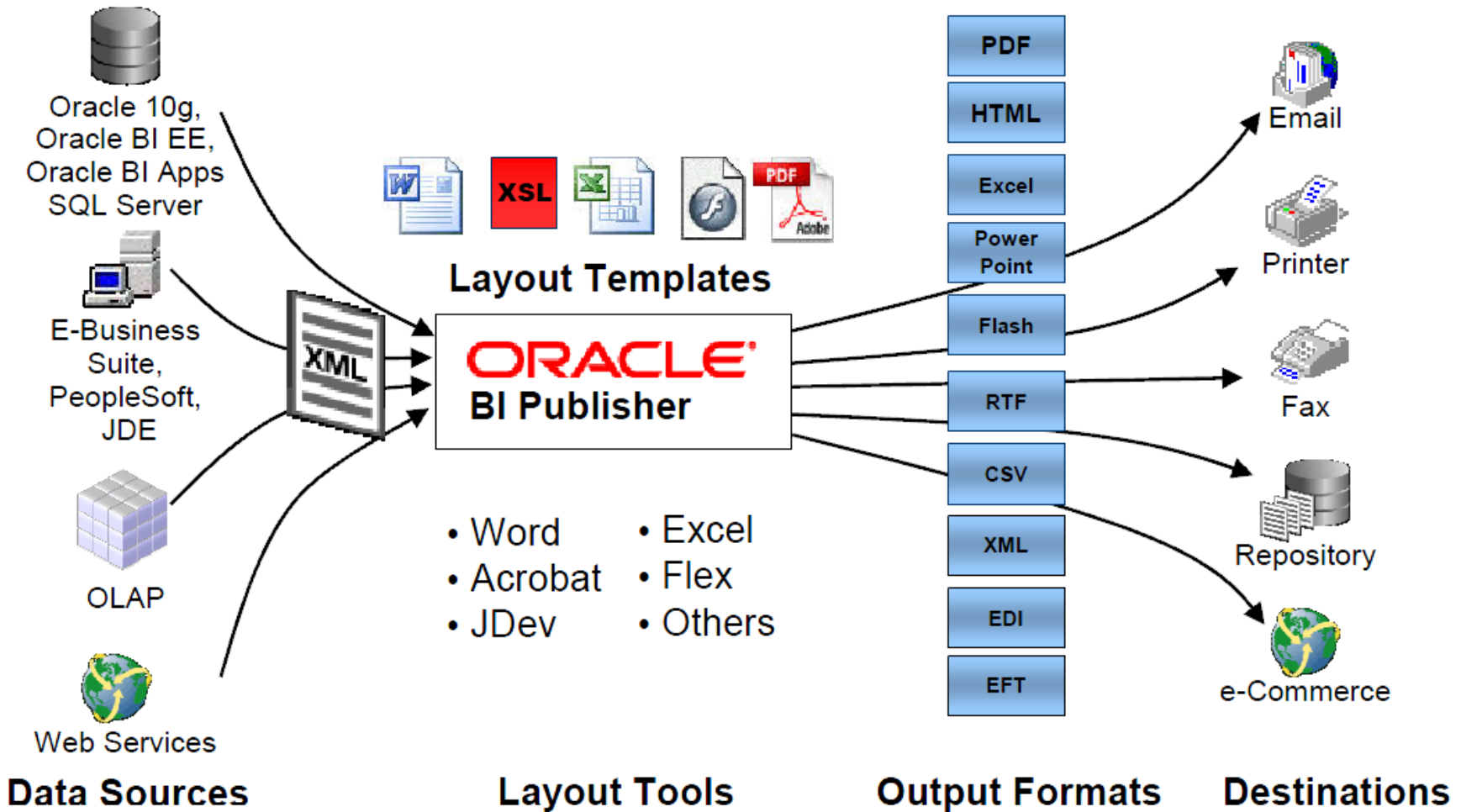
WebLogic Server (WLS)



Oracle BI Publisher Module

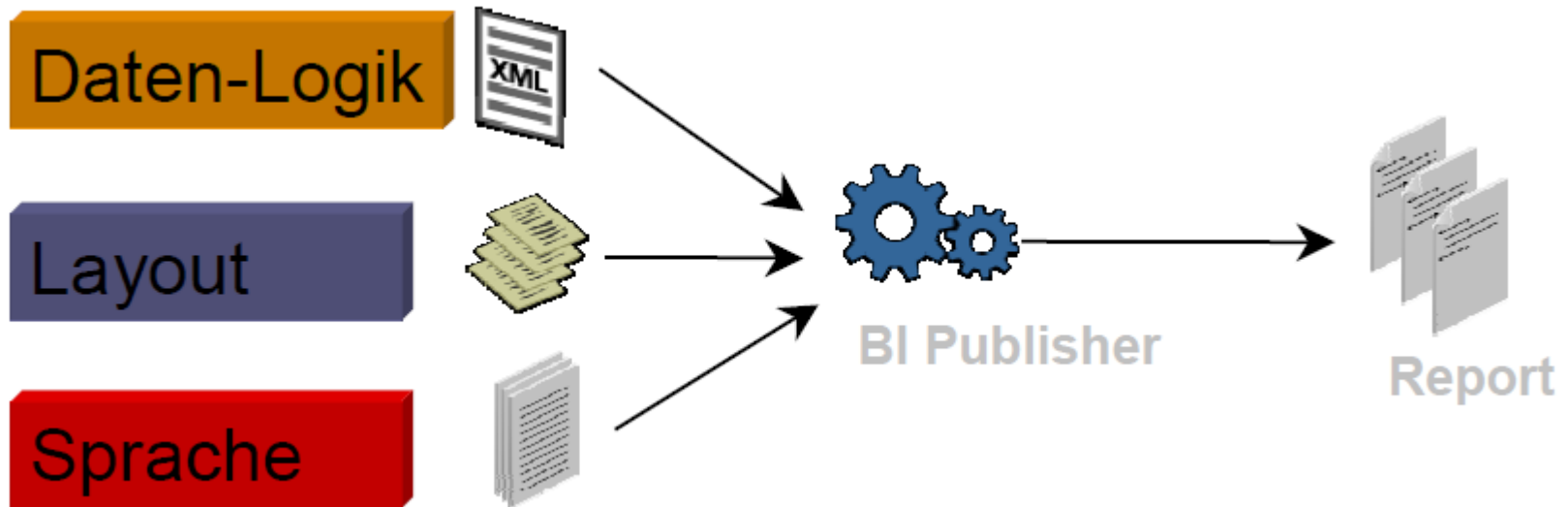


BI Publisher Workflow



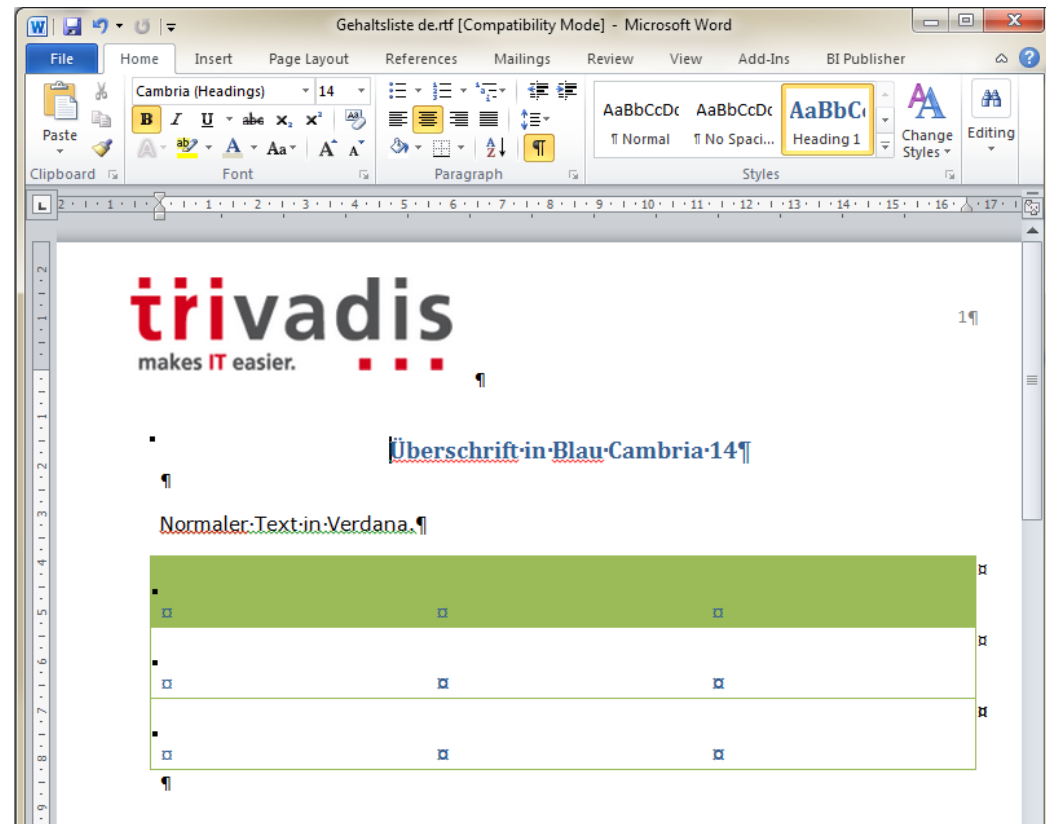
Trennung von Daten, Layout und Sprache

1. Höhere Flexibilität, wiederverwendbar
2. Weniger Berichte, leichter zu Administrieren
3. Optimierte Datenextraktion.



Style Templates

- Kopfzeile / Fußzeile
 - Text
 - Bilder
- Tabelle
 - Schriftart, Schriftgröße, Schriftstil, Farbe
 - Rahmen: Linienfarbe, Typ, Linienstärke
- Aufzählungszeichen
 - Schriftart
 - Schriftgröße
 - Schriftstil
 - Farbe



Sub Templates

1. rtf oder xsl-Template erstellen.
2. Abschnitte definieren

```
<?template:kopfzeile?>¶  
trivadis ¶  
makes IT easier. ¶  
Rechnung ¶ Datum: 01.01.2010 ¶  
<?endtemplate?>¶  
¶  
<?template:fusszeile?>¶  
Trivadis-Holding-AG ¶ Page 1 of 1 ¶  
Europa-Strasse 5 ¶  
CH-8152 Glattpfugg ¶  
¶  
<?endtemplate?> ¶
```

Subtemplate referenzieren

1. Für die Referenz eines Subtemplates muss das Subtemplate referenziert werden:
<?import:xdoxsl:///6. TVD O-BI-PUB/Subtemplate/kopffusszeile.xsb?>
2. Über <?call:kopfzeile?> wird das Subtemplate aufgerufen.

```
<?call:kopfzeile?>
```

```
<?import:xdoxsl:///6. TVD O-BI-PUB/Subtemplate/kopffusszeile.xsb?>
```

Dies ist ein Template mit Subtemplate.

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BI Publisher Anwendungsintegration

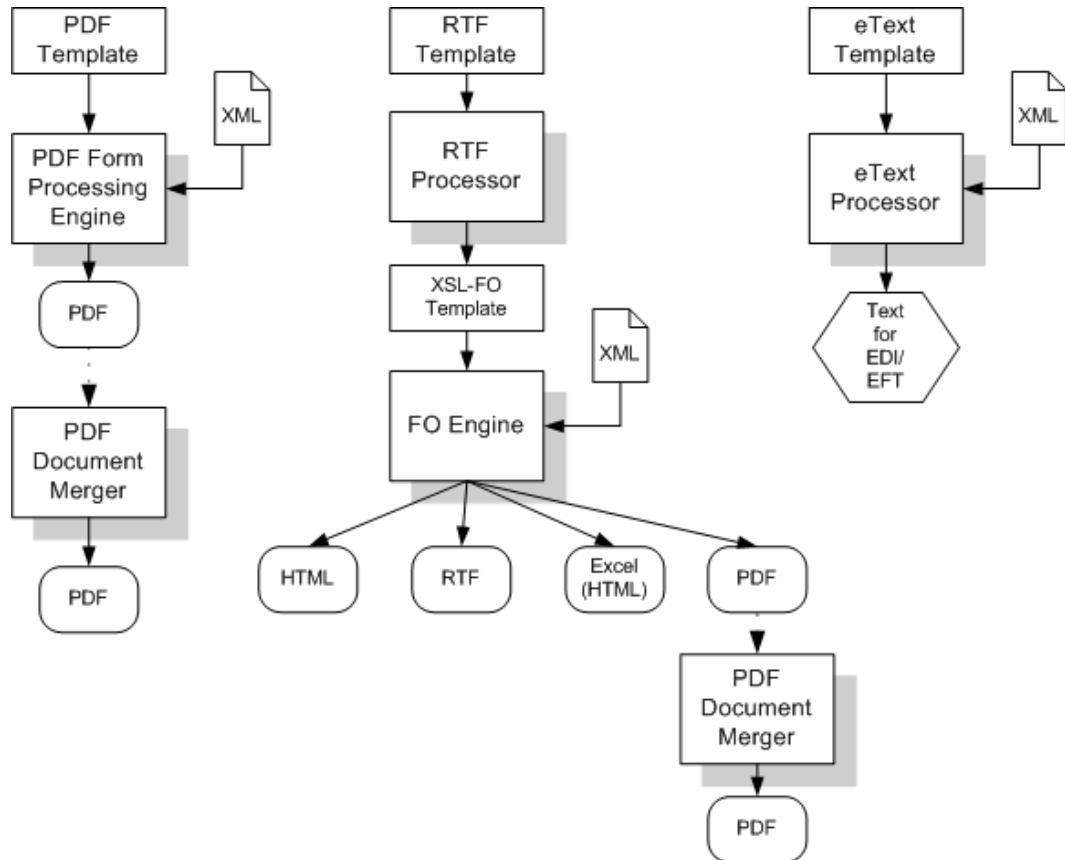
1. Über die APIs kann direkt auf BI-Publisher zugegriffen werden

■ Benötigt einige jar files :

- xdoccore.jar
- xdoparser.jar
- collections.jar -
- xmlparserv2.jar
- mail.jar
- jewt4.jar
- And more

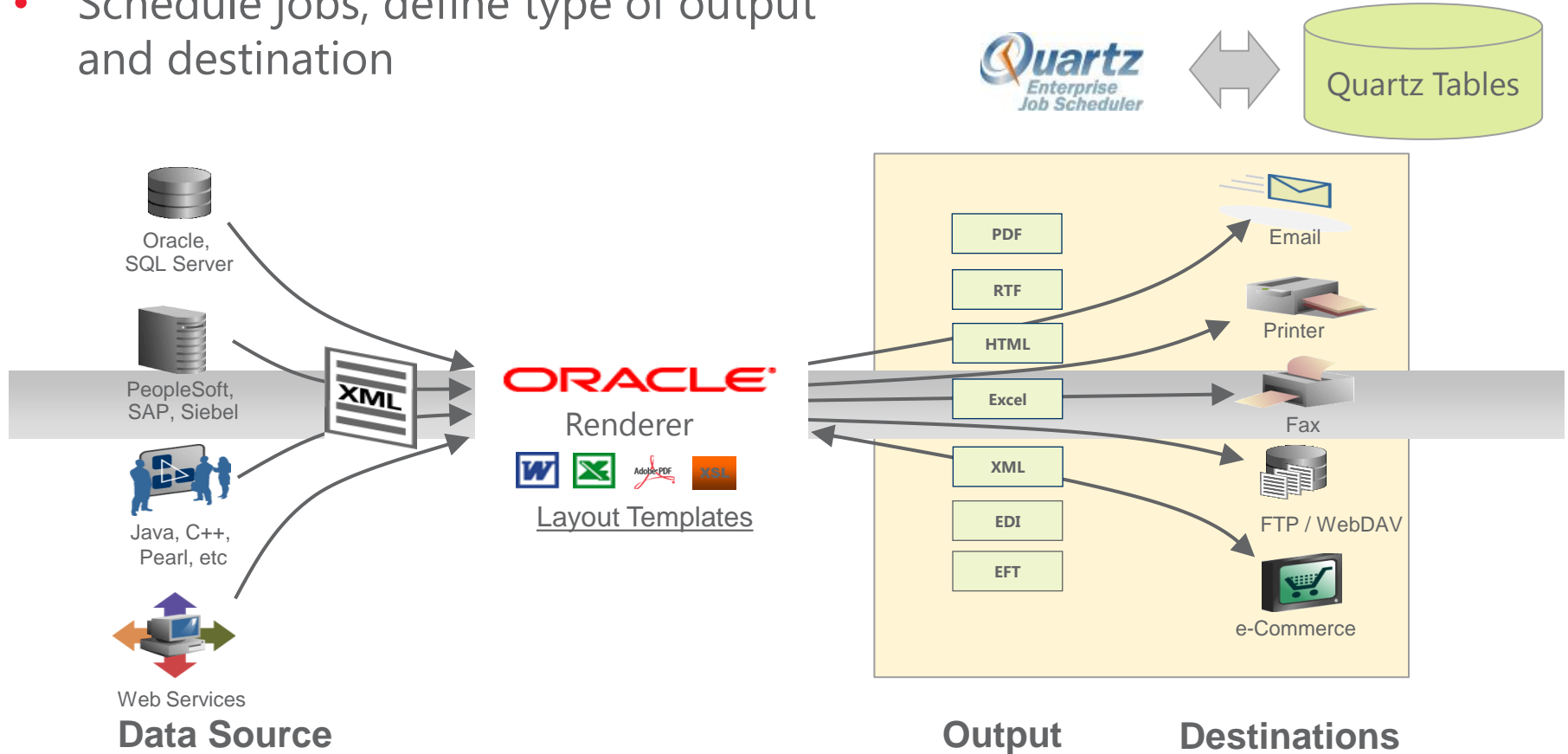
2. Aufruf über URL

3. Aufruf über WEB Services



Overview Scheduling

- Schedule jobs, define type of output and destination



Template Types und Werkzeuge

| Template Types | |
|----------------------------------|---|
| BI Publisher Template 11g | WEB –Client. Für Management Reports (WYSIWYG) Interactive Ansicht im WEB. Weitere Ansichten sind: PDF, HTML, Excel, PPT, RTF, MHTML) |
| RTF Templates | BI Publisher Template Builder Word Add in Meiste Funktionalität und höchste Flexibilität Sehr viele Ausgabeformate (PDF, HTML, Excel, PPT, RTF, MHTML) |
| PDF Forms | PDF Formular mit XML Elementen (Mapping zu Formularfelder). Behörden Formulare PDF Ausgabe Erstellung mit Acrobat Professional |

Template Types und Werkzeuge

| Template Types | |
|-------------------------|---|
| Flash Templates | Erstellung in Adobe Flex Builder |
| XSL Style Sheets | Third Party Tools und Legacy Solutions |
| e-Text Templates | RTF mit Tabellen für Felder und Trennzeichen. Für Character delimited oder Fixed Position Dokumenten (EFT & EDI). Nur Textausgabe. |
| Excel Templates | Great to get data into Excel & and refresh data w/ parameters Excel output only |

BIP Administration

1. Administration

<http://server:7001/analytics/saw.dll?Admin>

2. Oracle Weblogic Server Administration Console

<http://server:7001/em>

3. Oracle Enterprise Manager 11g Fusion Middleware Control

<http://server:7001/em>

VIELEN DANK.

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