

BI Publisher 11g – Što je novo?

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O Multicomu

Vodeća tvrtka za poslovno savjetovanje i implementacije u područjima telekomunikacija, financija i javne uprave u Hrvatskoj i regiji.

■ Glavna područja ekspertize

- Upravljanje odnosima s korisnicima (**CRM**)
- Upravljanje procesima (**BPM**)
- Obračun i naplata (**Billing**)
- Upravljanje matičnim podacima (**MDM**)
- Skladišta podataka (**DWH**)
- Poslovna Inteligencija (**BI**)
- Upravljanje performansama (**CPM**)

■ Oracle Certified Advantage Partner (Oracle baze, Siebel, Hyperion)

■ Microsoft Gold Partner

■ Deloitte CE Technology Fast50 2009. – ‘Rising Stars’ category – prvo mjesto

■ Suradnja na projektima s globalnim proizvođačima softvera i integratorima:

- Oracle, Hewlett-Packard, Siemens, Highdeal (SAP)



Multicom je implementirao rješenja u:



REPUBLIKA HRVATSKA
Ministarstvo
vanjskih poslova
i europskih integracija



multicom

INFORMACIJSKI SUSTAVI

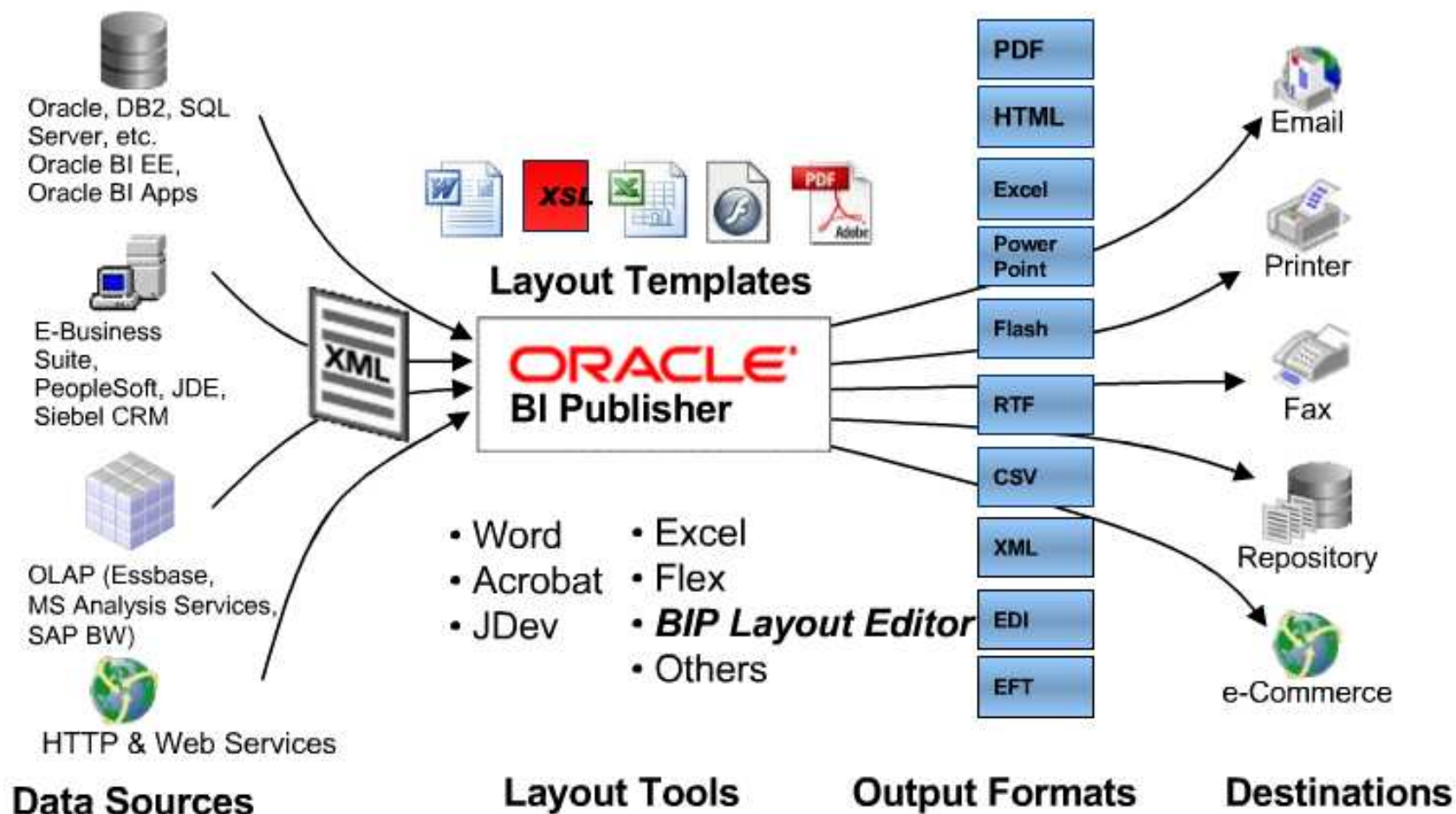
Sažetak

- Uvod
- Mogućnosti i karakteristike BI Publishera
- Novosti u 11g verziji
- Zaključak

Mogućnosti i karakteristike BI Publisher

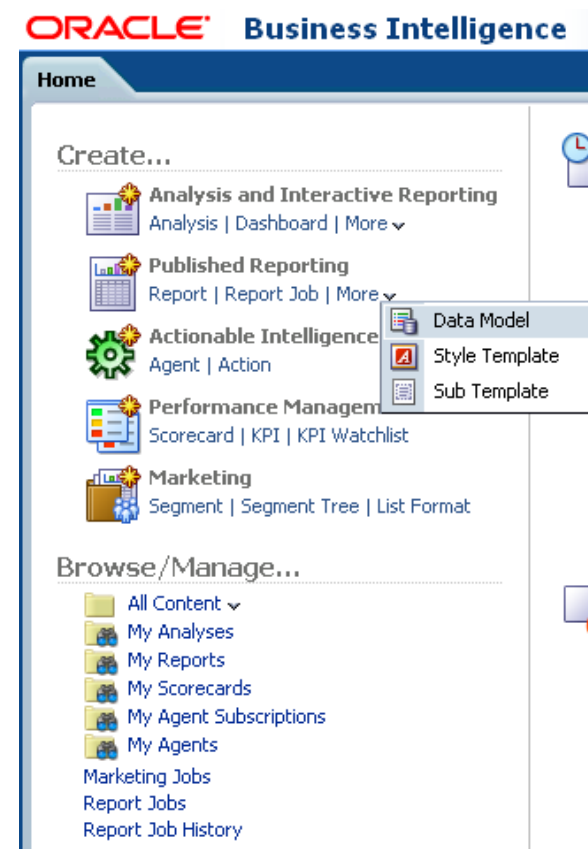
- Oracle rješenje za izvještavanje
- najznačajnija karakteristika – kreiranje *pixel perfect* izvještaja

Mogućnosti i karakteristike BI Publisher



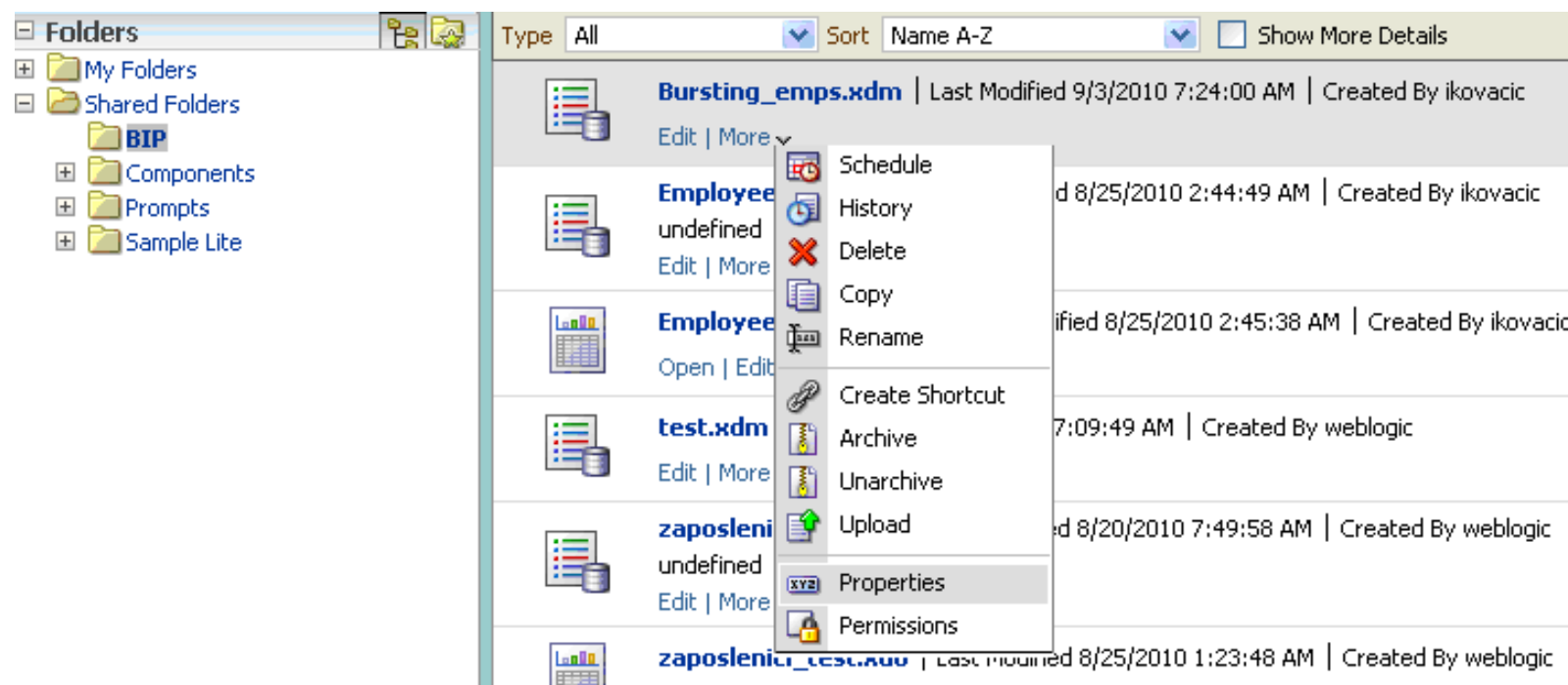
Novosti u 11g verziji

- veća integracija s OBIEE-om
 - vidljiva već na početnoj stranici OBIEE-a



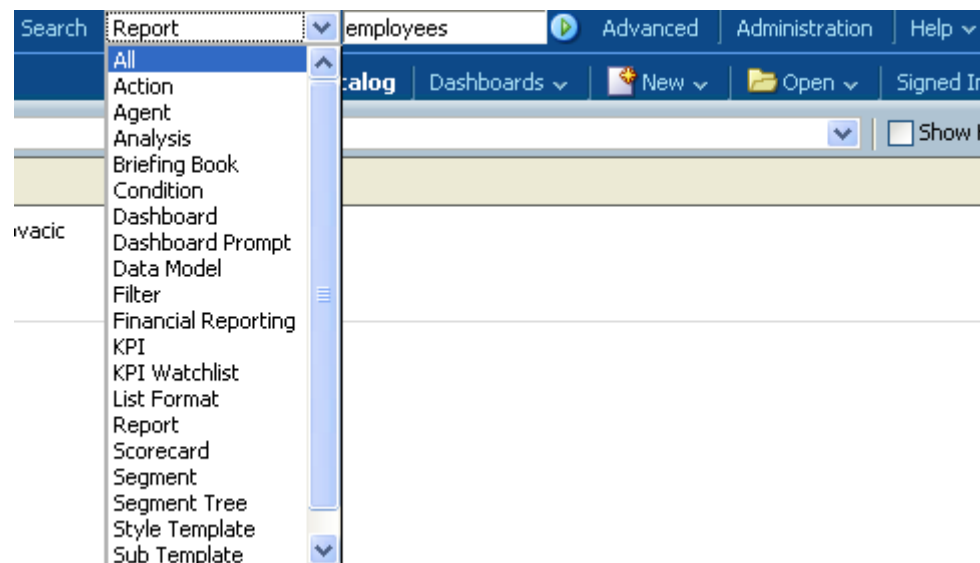
Novosti u 11g verziji

- veća integracija s OBIEE-om
 - dijeljeni katalog (ovisno o tipu instalacije)



Novosti u 11g verziji

- veća integracija s OBIEE-om
 - pretraživanje kataloga

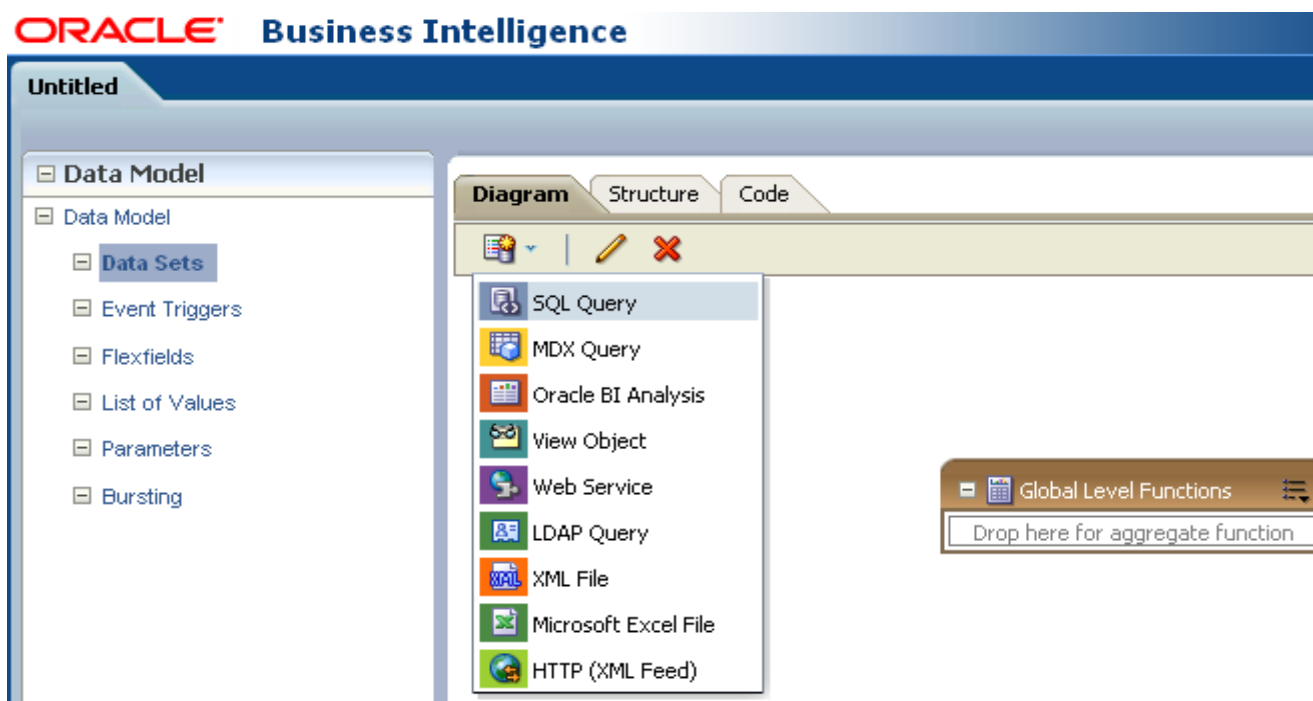


Novosti u 11g verziji

- veća integracija s OBIEE-om
 - security integration
 - nakon instalacije BIP je konfiguriran da podržava Fusion Middleware Security
 - ostali modeli sigurnosti:
 - BI Publisher Security
 - LDAP server integracija
 - E-Business Suite
 - Siebel Security
 - Database security

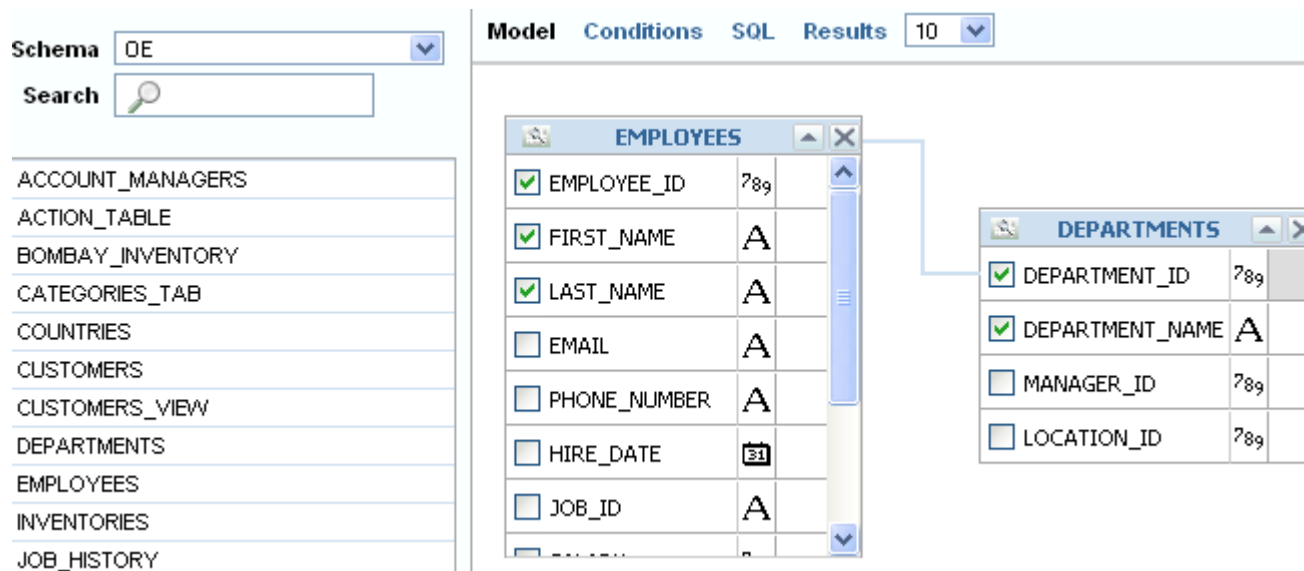
Novosti u 11g verziji

- veća modularnost – zaseban model podataka
 - model podataka - .xdm datoteka
 - isti model podataka za više izvještaja
 - od jednostavnog modela do modela s više izvora podataka



Novosti u 11g verziji

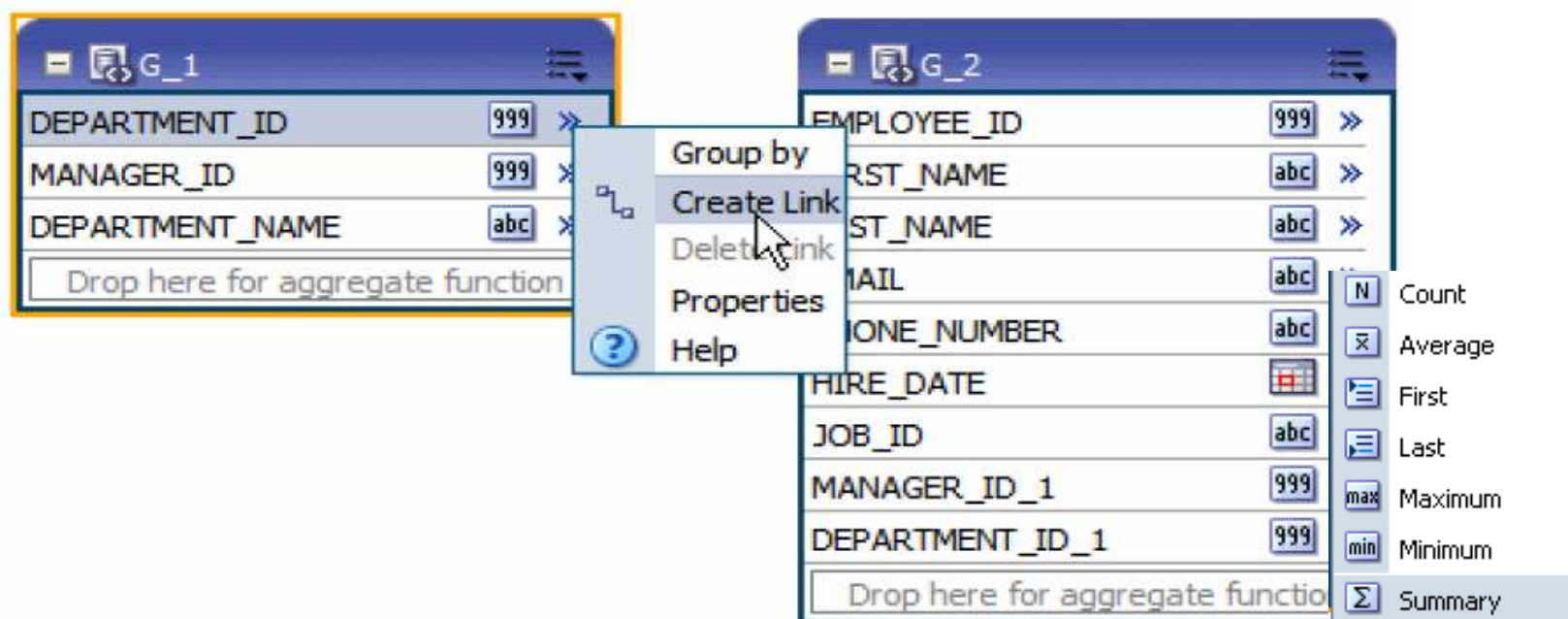
- veća modularnost – zaseban model podataka
 - grafički način postavljanja upita



The screenshot displays the Oracle SQL Developer interface. On the left, a 'Schema' dropdown is set to 'DE' and a search box is visible. Below, a list of tables is shown, including ACCOUNT_MANAGERS, ACTION_TABLE, BOMBAY_INVENTORY, CATEGORIES_TAB, COUNTRIES, CUSTOMERS, CUSTOMERS_VIEW, DEPARTMENTS, EMPLOYEES, INVENTORIES, and JOB_HISTORY. The main area shows a query model with two tables: EMPLOYEES and DEPARTMENTS. The EMPLOYEES table has columns: EMPLOYEE_ID (checked), FIRST_NAME (checked), LAST_NAME (checked), EMAIL, PHONE_NUMBER, HIRE_DATE, and JOB_ID. The DEPARTMENTS table has columns: DEPARTMENT_ID (checked), DEPARTMENT_NAME (checked), MANAGER_ID, and LOCATION_ID. A blue line connects the EMPLOYEE_ID column in the EMPLOYEES table to the DEPARTMENT_ID column in the DEPARTMENTS table, indicating a relationship.

Novosti u 11g verziji

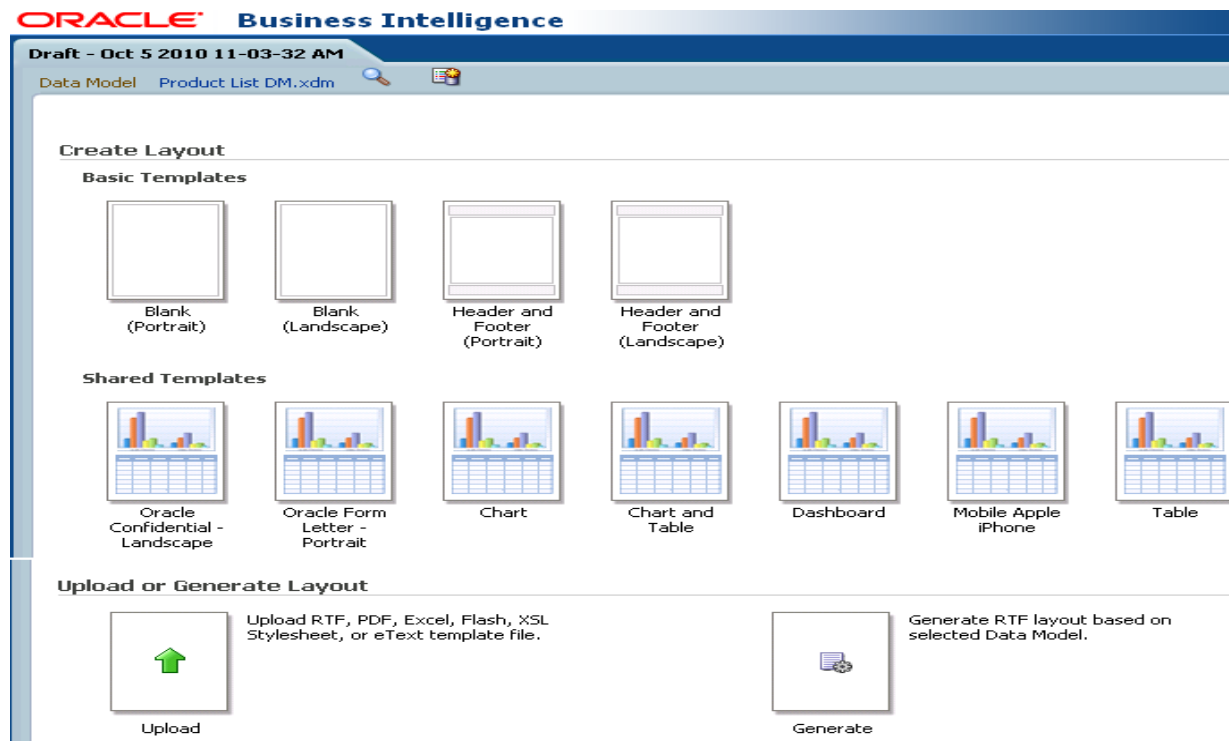
- povezivanje seta podataka iz različitih izvora (npr. Oracle baza i SQL Server)
- kreiranje kalkulacija



Novosti u 11g verziji

■ veća modularnost

- izrada predloška – odabir modela podataka
- odabir predefiniranog predloška ili upload (RTF, PDF) predloška



Novosti u 11g verziji

- definicija izvještaja
- .xdo datoteka

ORACLE Business Intelligence

Employees_report : Employees_layout_list_1

Data Source:

- DATA_DS
 - G_1
 - DEPARTMENT_NAME
 - G_2
 - BR_zaposlenika
 - EMPLOYEE_ID
 - FIRST_NAME
 - SALARY
 - LAST_NAME

Chart Design Area:

- Chart Types: Select, Delete
- Chart Styles: Default, Autumn, Comet, Confetti, Earth, Executive, Financial, Glass, Gray, Nautical, Project, Regatta, Spring, Southwest
- Effect: 3D Effect
- Filter: Filter, Manage Filters
- Convert: Pivot Table, Switch Series and Dimensions

Preview Chart:

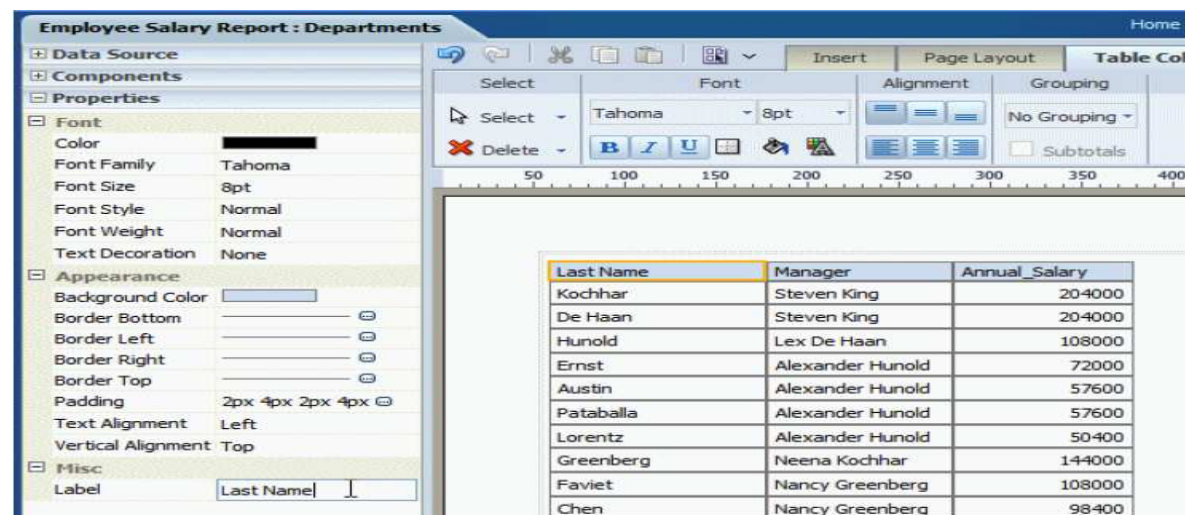
DEPARTMENT_NAME	SALARY
Administration	~50K
Executive	~50K
Finance	~50K
Human Resources	~50K
IT	~50K
Marketing	~50K
Public Relations	~50K
Purchasing	~50K
Sales	~350K
Shipping	~150K

Novosti u 11g verziji

- unaprijeđeno grafičko sučelje



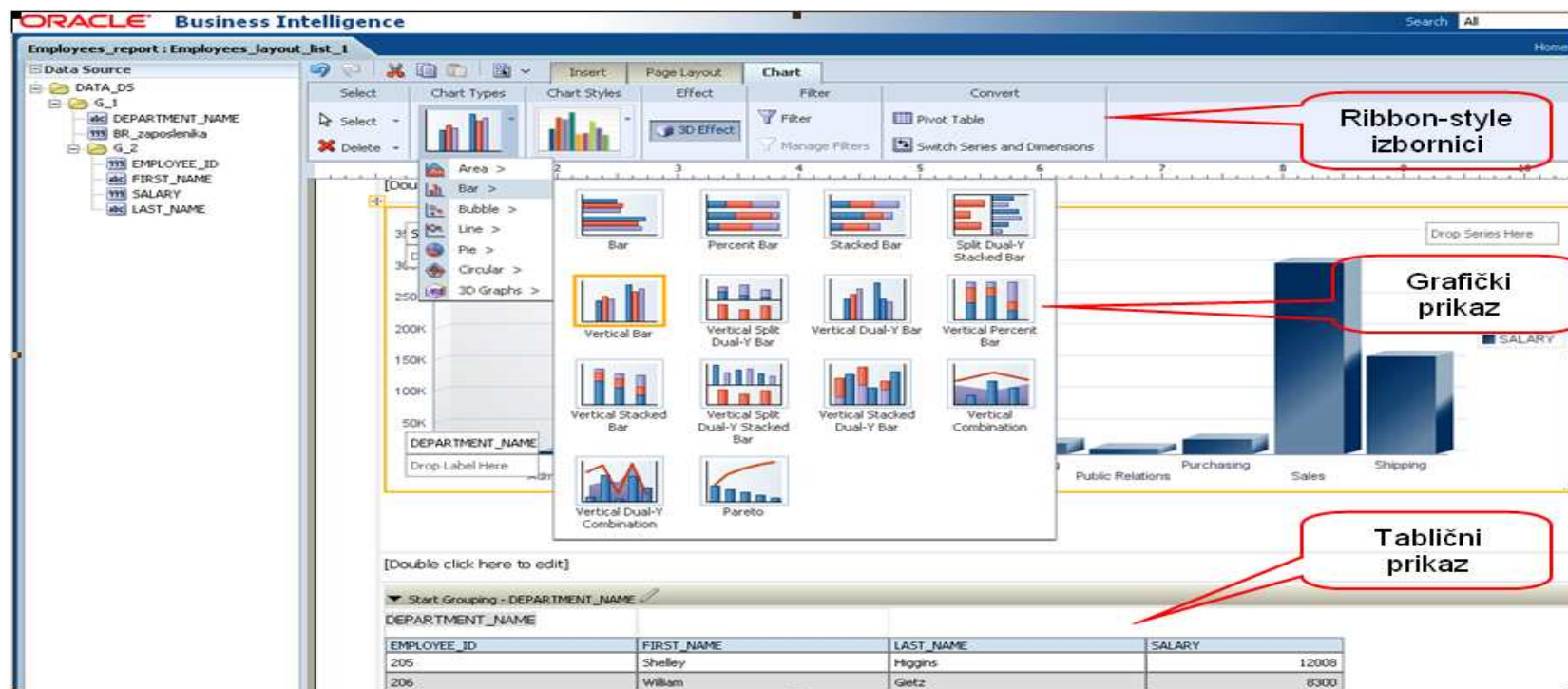
Ribbon-style
izbornici



Izmjena
svojstva
objekata

Novosti u 11g verziji

- Layout Editor – web based editor
- nema potrebe za third-party alatom (MS Word)



The screenshot displays the Oracle Business Intelligence Layout Editor interface. On the left, a 'Data Source' tree shows a hierarchy with 'DEPARTMENT_NAME', 'BR_zaposlenika', and 'EMPLOYEE_ID'. The main workspace features a ribbon-style menu with tabs for 'Chart Types', 'Chart Styles', 'Effect', 'Filter', and 'Convert'. A '3D Effect' button is highlighted. Below the ribbon, a grid of chart types is shown, including 'Bar', 'Percent Bar', 'Stacked Bar', 'Split Dual-Y Stacked Bar', 'Vertical Bar', 'Vertical Split Dual-Y Bar', 'Vertical Dual-Y Bar', 'Vertical Percent Bar', 'Vertical Stacked Bar', 'Vertical Split Dual-Y Stacked Bar', 'Vertical Stacked Dual-Y Bar', 'Vertical Combination', 'Vertical Dual-Y Combination', and 'Pareto'. A 3D bar chart is displayed on the right, with a callout box labeled 'Grafički prikaz' pointing to it. Below the chart, a table is visible, with a callout box labeled 'Tablični prikaz' pointing to it. The table contains the following data:

DEPARTMENT_NAME	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	SALARY
Public Relations	205	Shelley	Higgins	12008
Purchasing	206	William	Getz	8300

Novosti u 11g verziji

■ Interactive Viewer

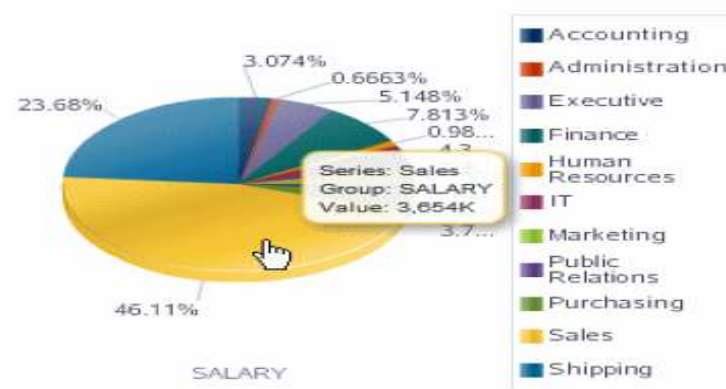
- dinamički izvještaji
- dostupan samo ukoliko su predlošci izrađeni u Layout Editoru
- prikaz info-balona
- drill-into mogućnost
- filtriranje seta podataka

Novosti u 11g verziji

Departmental Salary Report



Average Salary by Department



Percentage Salary by Department

Employees by Department

Department	Manager	Name	Title	hire Date	Annual Salary
Sales	<input type="checkbox"/> Sort Ascending <input type="checkbox"/> Sort Descending <input checked="" type="checkbox"/> (Select All) <input checked="" type="checkbox"/> Steven King <input checked="" type="checkbox"/> John Russell <input checked="" type="checkbox"/> Karen Partners <input checked="" type="checkbox"/> Eleni Zlotkey <input checked="" type="checkbox"/> Alberto Errazuriz <input checked="" type="checkbox"/> Gerald Cambrault	Alberto Errazuriz	Sales M...	Mar 9, 1997	\$144,000.00
		Karen Partners	Sales M...	Jan 4, 1997	\$162,000.00
		John Russell	Sales M...	Sep 30, 1996	\$168,000.00
		Eleni Zlotkey	Sales M...	Jan 28, 2000	\$126,000.00
		Gerald Cambrault	Sales M...	Oct 14, 1999	\$132,000.00
		Oliver Tuvault	Sales Re...	Nov 22, 1999	\$84,000.00
		Nanette Cambrault	Sales Representative	Dec 8, 1998	\$90,000.00
		Christopher Olsen	Sales Representative	Mar 29, 1998	\$96,000.00
		Peter Hall	Sales Representative	Aug 19, 1997	\$108,000.00

Novosti u 11g verziji

- Sub templates – pojednostavljeno održavanje
 - RTF sub template
 - XSL sub template



- Primjer poziva subtemplatea iz glavnog predloška:
 <?import:file://c:/Folder/mySubtemplate.rtf?>

Novosti u 11g verziji

■ Style Templates

- RTF datoteka (tip fonta, boja teksta, izgled tablica, header/footer)
- ujednačeni izgled izvještaja

ORACLE Oracle Confidential 2/27/2008 3:05 PM

Title Style

Heading 1

Heading 2

Heading 3

Normal Text Style

Table Header				
Table Data				

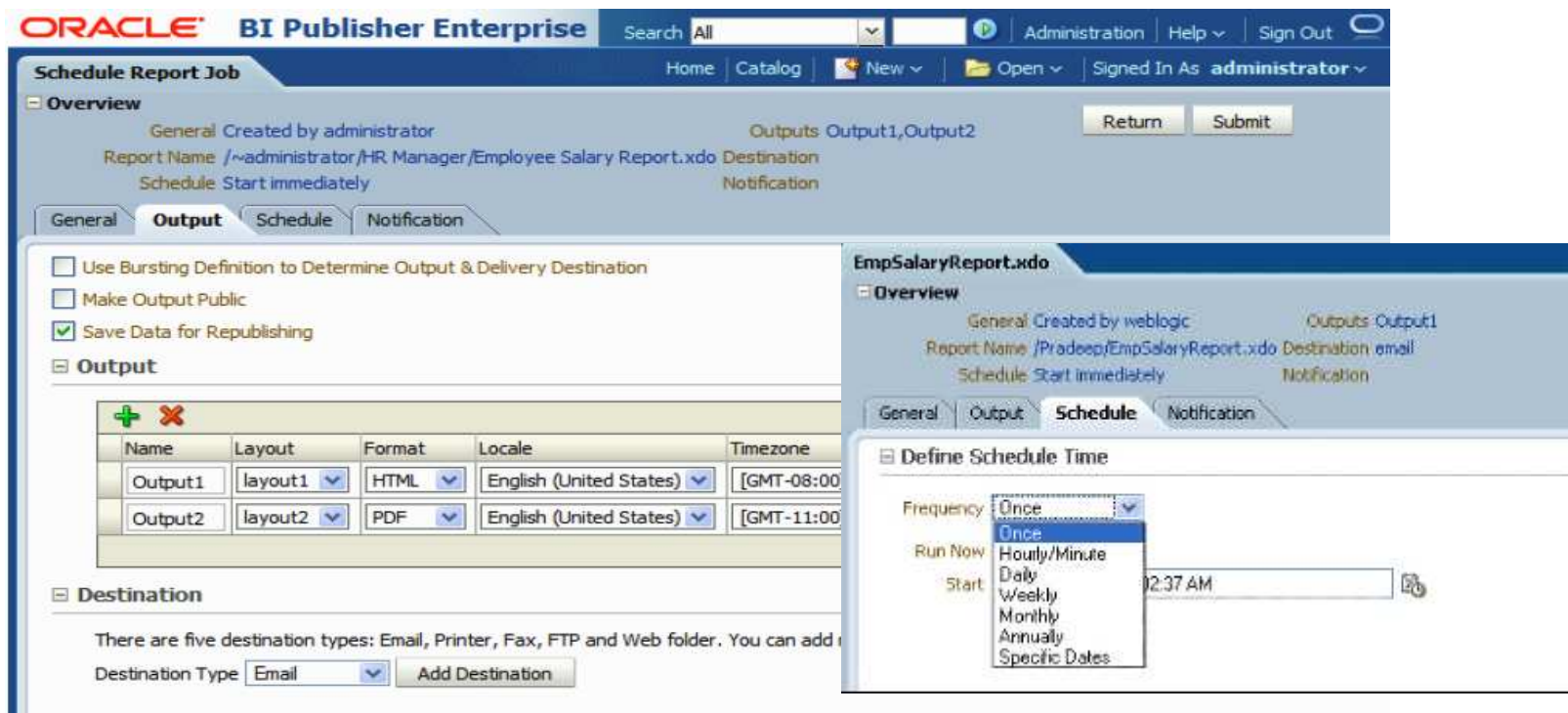
- List Bullet
 - List Bullet Indented 1
 - List Bullet Indented 2

Novosti u 11g verziji

- Zipped PDF
 - lakše manipuliranje velikim PDF datotekama
 - kreira index.html

Novosti u 11g verziji

- poboljšanja vezana uz vremensko zakazivanje zadataka (scheduling)



The screenshot displays the Oracle BI Publisher Enterprise interface for scheduling a report job. The main window is titled "Schedule Report Job" and shows the "Output" tab for a report named "EmpSalaryReport.xdo".

EmpSalaryReport.xdo Overview:

- General: Created by administrator
- Report Name: /~administrator/HR Manager/Employee Salary Report.xdo
- Destination: Output1, Output2
- Schedule: Start immediately
- Notification: (empty)

Output Configuration Table:

Name	Layout	Format	Locale	Timezone
Output1	layout1	HTML	English (United States)	[GMT-08:00]
Output2	layout2	PDF	English (United States)	[GMT-11:00]

Define Schedule Time:

- Frequency: Once (selected)
- Run Now: (checkbox)
- Start: 12:37 AM

The interface also includes options for "Use Bursting Definition to Determine Output & Delivery Destination", "Make Output Public", and "Save Data for Republishing". The "Destination" section indicates five types: Email, Printer, Fax, FTP, and Web folder.

Bursting

- proces “razbijanja” podataka u blokove (na temelju zadanog ključa)
- mogućnost kreiranja više izlaznih dokumenata za jedan izvještaj (PDF, RTF...)
- dostavljanje na željeno odredište (pisač, arhivski folder)
- npr. generiranje računa

Bursting

ORACLE BI Publisher Enterprise

Search All Administration Help Sign Out

Home Catalog New Open Signed In As administrator

Salary Parameter Datamodel

Data Model

- Data Model
 - Data Sets
 - employees
 - Event Triggers
 - Flexfields
 - List of Values
 - empList
 - depList
 - Parameters
 - dept
 - emp
 - Bursting
 - Burst to File

Bursting

Name	Type	Data Source	Actions
Burst to File	SQL Query	demo	

Burst to File

Split By: /ROWSET/ROW/DEPARTMENT_NAME

Deliver By: /ROWSET/ROW/DEPARTMENT_NAME

SQL Query

Query Builder

```
select
  d.department_name as "KEY"
  'Standard' TEMPLATE,
  'RTF' TEMPLATE_FORMAT,
  'en-US' LOCALE,
  'PDF' OUTPUT_FORMAT,
  'FILE' DEL_CHANNEL,
  'C:/Temp' PARAMETER1,
  d.department_name || '.pdf' PARAMETER2
from
  departments d
```


Zaključak

- moćan izvještajni alat
- dodavanjem Layout Editora postao je neovisan o alatima drugih dobavljača
- interaktivni izvještaji
- jeftinija opcija od OBIEE-a za potrebe izrade predefiniranih izvješća

Hvala na pažnji!

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