

SW Excellence Inc.
Intelligence Behind Business

Web Intelligence Document Metadata Extraction Tool

AGENDA



- Metadata Extraction Tool
- Features
- Metadata Contents
- Screenshots
- Benefits
- Supported Platforms
- Deployment

METADATA EXTRACTION TOOL



- Generates Metadata
 - Extracts Metadata of WebI Reports
 - Produces Metadata in HTML and XML Formats
- Runs on JAVA Platform
 - Works with JAVA Deployment of BOXIr2
- Add-on to BusinessObjects Enterprise
 - Integrates with InfoView

FEATURES



- Real Time Metadata
- Seamless Integration with InfoView
- Lists Database Objects Used for Reporting
- Lists Report Level Calculations
- Lists SQL Generated

METADATA EXTRACT CONTENTS



- Document Summary
 - Description and Location
 - Data Providers
 - Report Tabs
 - Prompts
 - Variables and Formulas
 - Linked Objects
 - Alerters

METADATA EXTRACT CONTENTS



■ Document Details

- Base Universes
- Query Objects Details
- Query Filters & Predefined Conditions
- Ranking and Scope of Analysis Level
- Prompts and Contexts Used
- Generated SQL
- Last Refreshed Date, and Rows Returned

METADATA EXTRACT CONTENTS



- Report Tab Details
 - Report Tabs Name
 - Report Level Filters
 - Sections Information
 - Blocks Information
 - Objects Information
 - Breaks and Sorts
 - Drill Hierarchies

INFOVIEW SCREENSHOT

Documentation link is added by Metadata Extraction Tool
Click on this link to view Metadata of the Webi report

Title	Last Run	Type	Owner	Instances
1 Sales Revenue History Schedule Modify Properties Documentation This document has yearly sales revenue data. Also has alerts for year over year sales revenue decline	Never run	Web Intelligence Document	Administrator	1
2 Future Guest and Projected Revenue History Schedule Modify Properties Documentation This document contain current and future guest informations.	Never run	Web Intelligence Document	Administrator	0
3 Free cells n Alerts History Schedule Modify Properties Documentation This document shows free cells and alerts	Never run	Web Intelligence Document	Administrator	0
4 Multi Tab Document History Schedule Modify Properties Documentation several reports are ties to this document	Never run	Web Intelligence Document	Administrator	0

DOCUMENTATION SCREENSHOTS

The screenshot displays the Business Objects interface. The title bar reads "Business Objects" and "Welcome: Administrator". The menu bar includes "New", "Send", "My InfoView", and a search field. The main content area shows the following metadata:

Metadata of Webi Document: 1 Sales Revenue

Document Summary

Document Name	: 1 Sales Revenue
Document Description	: This document has yearly sales revenue data.
Document Location	: Public Folders / WebiDocuments

Data Providers Summary

Total data providers	: 1
Data Provider Names	: Query 1

Reports Summary

Total report tabs	: 2
Report Tab Names	: Sales by State Sales by Product Lines

Prompts Summary

Total prompts	: 1
Prompt Names	: Which States?

DOCUMENTATION SCREENSHOTS

InfoView - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links >>

Business Objects Welcome: Administrator

Variables Summary

Total report variables : 2

Variable Names	Variable Formulas
Revenue	=[Quantity sold] * [Unit Price MSRP]
Sale Revenue Previous Year	=Previous([Sales revenue])

Formula Summary

Total Formulas : 0

Object Link Summary

DP's synchronized (linked) : No

Alerters Summary

Total Alerters : 1

Alerter Name	Alerter Description
Sales Revenue Decline	Highlight if year over year sales revenue declined for a product line

Discussions

Done Local intranet

DOCUMENTATION SCREENSHOTS

The screenshot shows a Microsoft Internet Explorer browser window displaying the Business Objects InfoView interface. The page title is "InfoView - Microsoft Internet Explorer". The browser's address bar shows "Business Objects" and the user is logged in as "Administrator". The main content area is titled "Document Details" and displays the following information:

- Data Provider Name : SalesRev
- Data Provider Type : Universe
- Universe Name : eFashion
- Prompt Names : Which States?
- Combined Queries : false
- Context Name : None
- Last refreshed date : Thu Dec 11 21:17:36 EST 2008
- Rows returned : 1065

Below this information is a table with the following columns: Query, Object Name, Object Type, Description, and Class Name.

Query	Object Name	Object Type	Description	Class Name
-	Year	TEXT	Year 1999 - 2001.	Time period
-	State	TEXT	State located.	Store
-	Lines	TEXT	Product line. Each line contains a set of categories.	Product
-	Promotion (y/n)	TEXT	Promotion flag (yes or no) by SKU unit.	Promotions
-	Sales revenue	NUMERIC	Sales revenue \$ - \$ revenue of SKU sold	Measures
-	Margin	NUMERIC	Margin \$ = Revenue - Cost of sales	Measures
-	Quantity sold	NUMERIC	Quantity sold - number of SKU sold	Measures
-	Unit Price MSRP	NUMERIC	This is the manufacturers suggested retail price per SKU and color.	Product
Scope of Analysis Level:	LEVEL_2			
Predefined Filters:	(1) Christmas period			
Query Filters:	(1) State IN_LIST Which States?			
Rank:	None			

At the bottom of the page, there is a "Discussions" section and a status bar showing "Done" and "Local intranet".

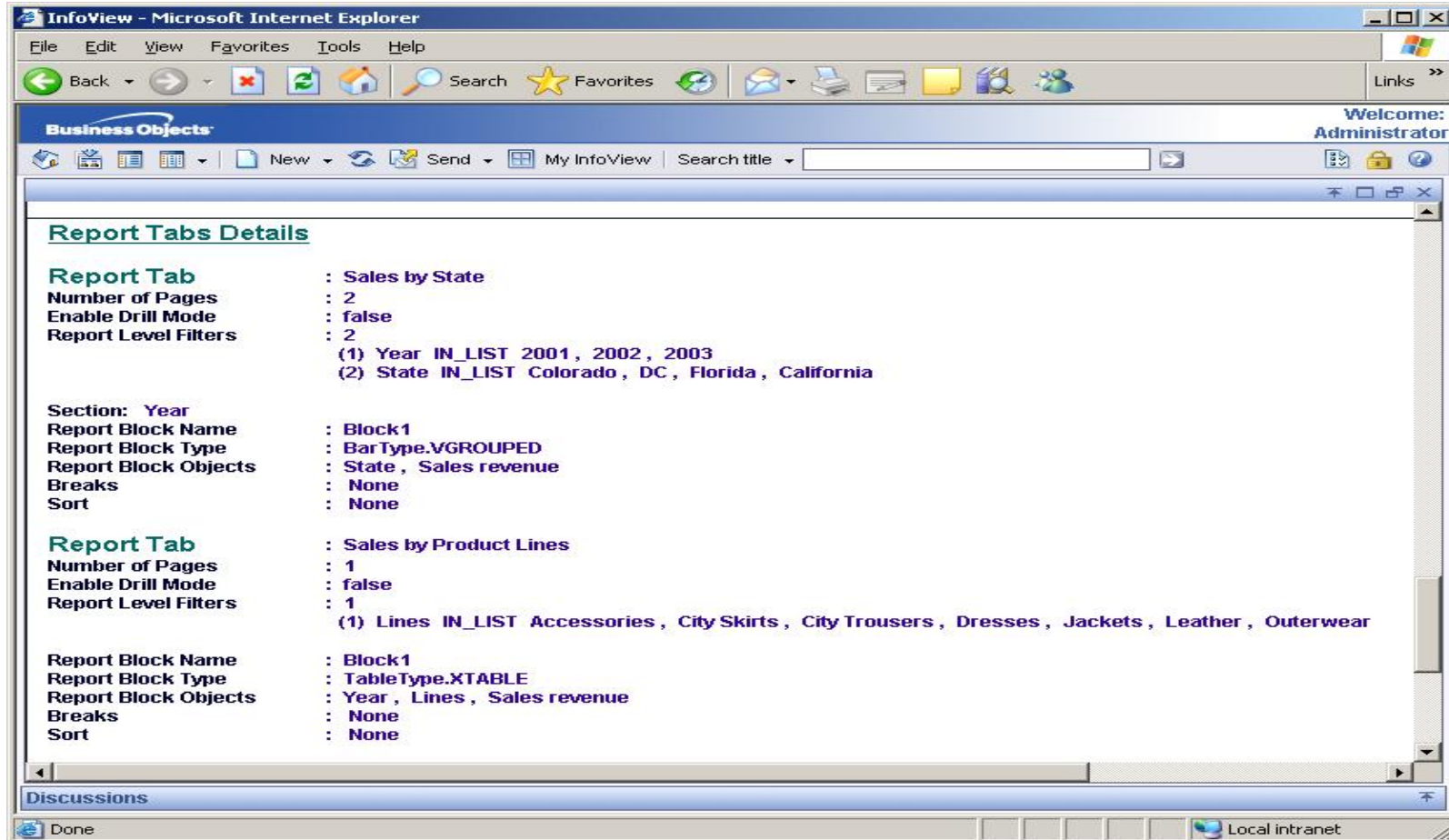
DOCUMENTATION SCREENSHOTS

The screenshot shows a Microsoft Internet Explorer browser window titled "InfoView - Microsoft Internet Explorer". The address bar is empty. The page content includes a "Business Objects" header with a "Welcome: Administrator" message. Below the header is a navigation bar with icons for "New", "Send", and "My InfoView", along with a search box labeled "Search title". The main content area displays the text "SQL:" followed by two SQL queries. The first query is a complex SELECT statement with multiple joins and filters, including a GROUP BY clause. The second query is a simpler SELECT statement with joins and filters. At the bottom of the page, there is a "Discussions" section. The browser's status bar at the bottom shows "Done" and "Local intranet".

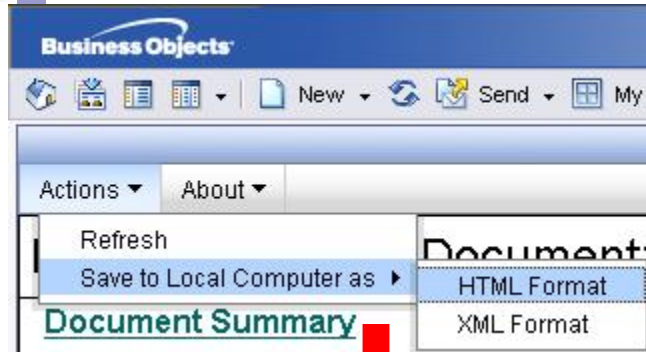
```
SQL:

((SELECT Calendar_year_lookup.Yr, Article_lookup.Family_name, Article_lookup.Sale_price, {fn concat('Q',Calendar_year_lookup.Qtr)}, Calendar_year_lookup.Mth,
Article_lookup.Category, Article_lookup.Article_id, Outlet_Lookup.State, sum(Shop_facts.Amount_sold), sum(Shop_facts.Margin), sum(Shop_facts.Quantity_sold),
Outlet_Lookup.City, Outlet_Lookup.Shop_name FROM Calendar_year_lookup, Article_lookup, Outlet_Lookup, Shop_facts WHERE
( Outlet_Lookup.Shop_id=Shop_facts.Shop_id ) AND ( Article_lookup.Article_id=Shop_facts.Article_id ) AND ( Shop_facts.Week_id=Calendar_year_lookup.Week_id ) ANI
( ( Calendar_year_lookup.Week_In_Year BETWEEN 46 AND 53 ) AND Outlet_Lookup.State In ('California','Colorado','DC','Florida') ) GROUP BY Calendar_year_lookup.Yr,
Article_lookup.Family_name, Article_lookup.Sale_price, {fn concat('Q',Calendar_year_lookup.Qtr)}, Calendar_year_lookup.Mth, Article_lookup.Category,
Article_lookup.Article_id, Outlet_Lookup.State, Outlet_Lookup.City, Outlet_Lookup.Shop_name )
synchronisation
(SELECT Calendar_year_lookup.Yr, Article_lookup.Family_name, Article_lookup.Sale_price, {fn concat('Q',Calendar_year_lookup.Qtr)}, Calendar_year_lookup.Mth,
Article_lookup.Category, Article_lookup.Article_id, promotion_lookup.Promotion_flag, product_promotion_facts.Duration FROM Calendar_year_lookup, Article_lookup,
promotion_lookup, product_promotion_facts WHERE ( promotion_lookup.Promotion_id=product_promotion_facts.Promotion_id ) AND
( product_promotion_facts.Week_id=Calendar_year_lookup.Week_id ) AND ( Article_lookup.Article_id=product_promotion_facts.Article_id ) AND
( Calendar_year_lookup.Week_In_Year BETWEEN 46 AND 53 ) )
```


DOCUMENTATION SCREENSHOTS



HTML OUTPUT SCREENSHOTS



Metadata of Webi Document: 1 Sales Revenue

Document Summary

Document Name : 1 Sales Revenue
 Document Description : This document has yearly sales revenue data.
 Document Location : Public Folders / WebiDocuments

Data Providers Summary

Total data providers : 1
 Data Provider Names : Query 1

Reports Summary

Total report tabs : 2
 Report Tab Names : Sales by State
 Sales by Product Lines

Prompts Summary

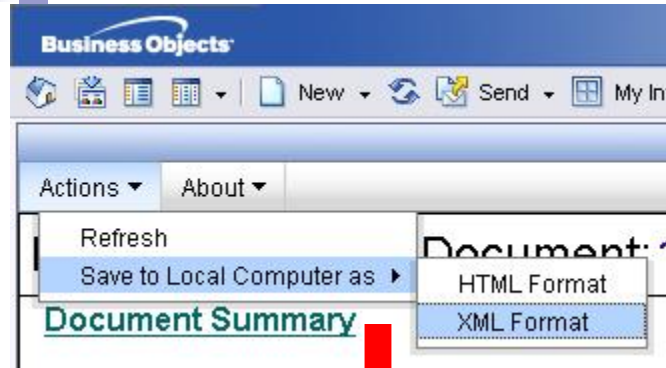
Total prompts : 1
 Prompt Names : Which States?

Variables Summary

Total report variables : 1

Variable Names	Variable Formulas
Revenue	= [Quantity sold] * [Unit Price MSRP]

XML OUTPUT SCREENSHOTS



```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
- <documentation>
- <documentInstance>
  <documentName>1 Sales Revenue</documentName>
  <description>This document has yearly sales revenue data.</description>
  <documentLocation>Public Folders / WebiDocuments</documentLocation>
- <reports>
- <report numberOfPages="2" reportName="Sales by State">
  - <reportBody>
    - <SectionContainerTree>
      - <SectionContainer ID="1" isParent="false" parentID="0">
        - <BlockAxis>
          - <reportExpression>
            <name>Year</name>
            - <dataSourceObject ID="-1" isParent="false" parentID="0" objectQualification="DIMENSION" type="TEXT">
              <name>Year</name>
              <description>Year 1999 - 2001.</description>
              <parentClassName>Time period</parentClassName>
            </dataSourceObject>
          </reportExpression>
        </BlockAxis>
      - <ReportBlock name="Block1" representation="BarType.VGROUPED">
        - <BlockAxis>
          - <reportExpression>
            <name>State</name>
            - <dataSourceObject ID="-1" isParent="false" parentID="0" objectQualification="DIMENSION" type="TEXT">
              <name>State</name>
```

BENEFITS



- Metadata is A “Click” Away
- Real Time Metadata
- Cuts Time To Produce Metadata
- Cuts Cost To Produce Metadata
- Add-on to BusinessObjects Enterprise
- Easy To Deploy
- Easy To Use

SUPPORTED PLATFORM



- BusinessObjects Enterprise XIr2
- Web Intelligence Documents
- JAVA Deployment
- JAVA Web Application Servers

DEPLOYMENT



- Installed on Web Application Server
- No Need for Separate Hardware
- Hooks Into InfoView Portal
- Small Footprint on Server Side
- Zero Footprint on Client Side
- No Impact on Database Performance

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