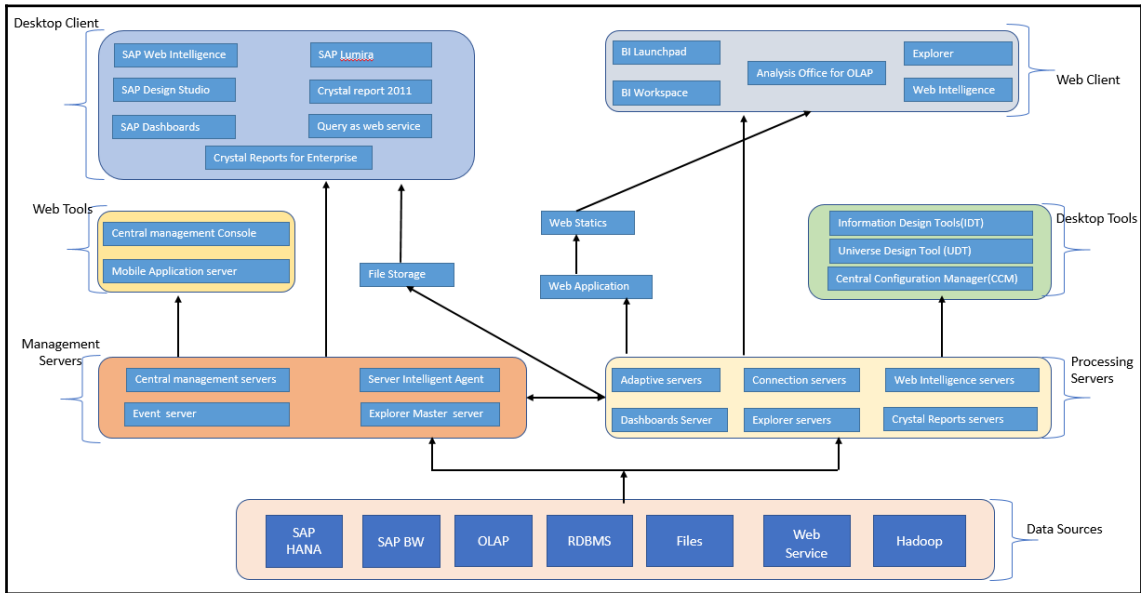
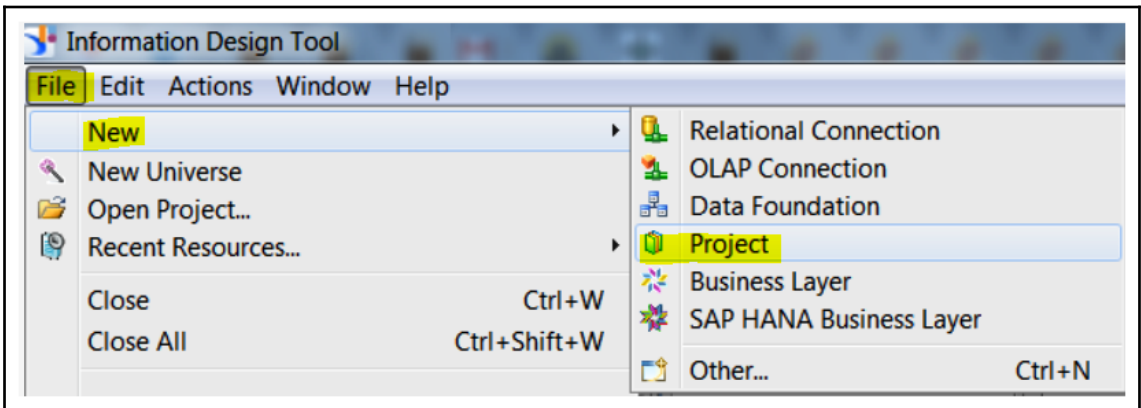
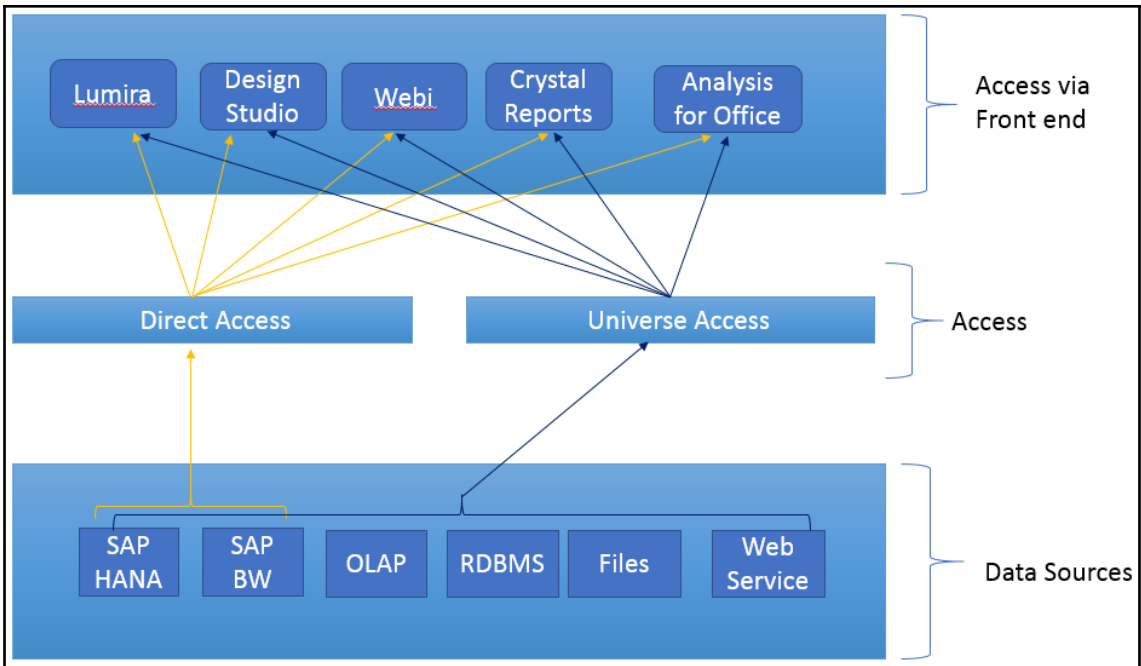
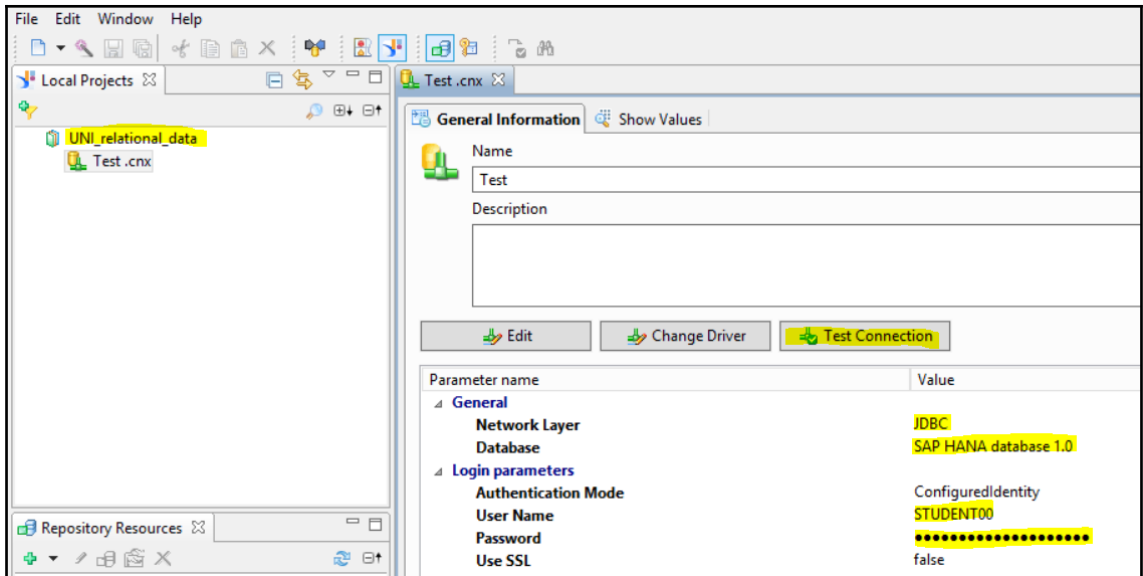
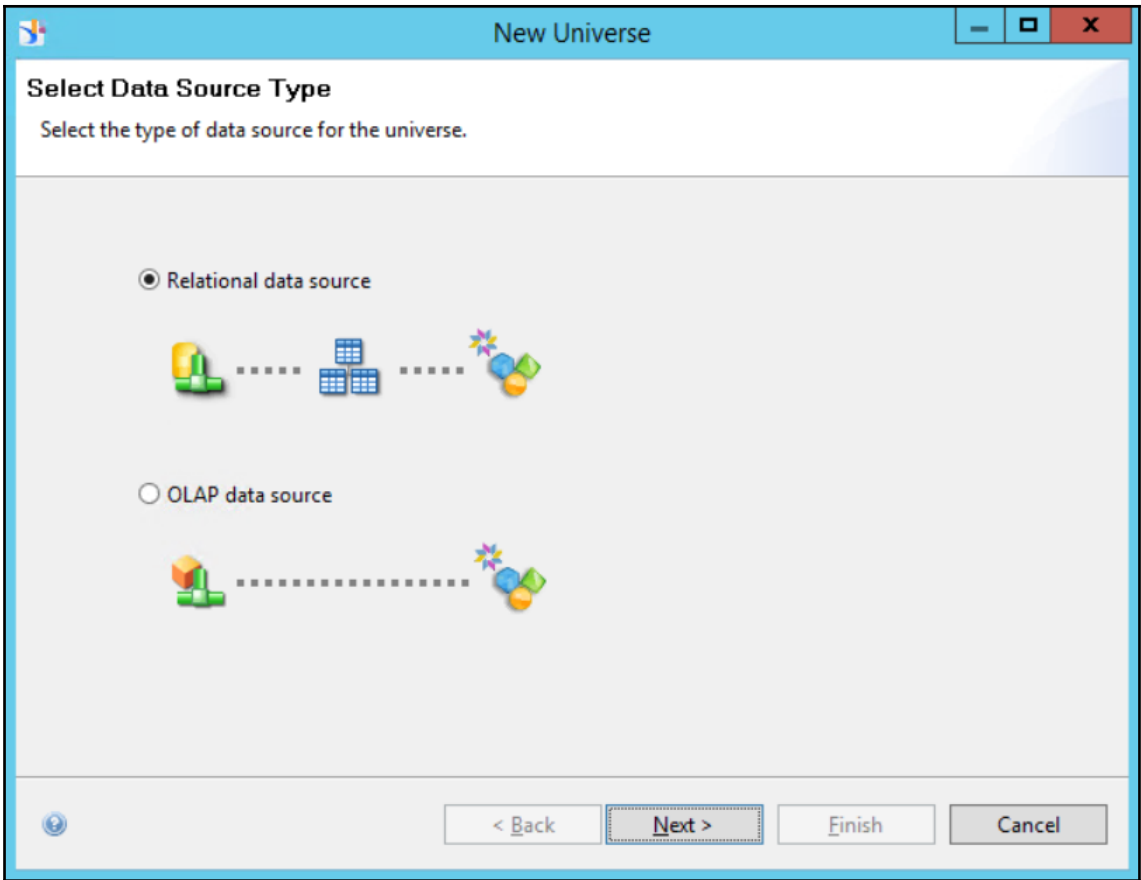


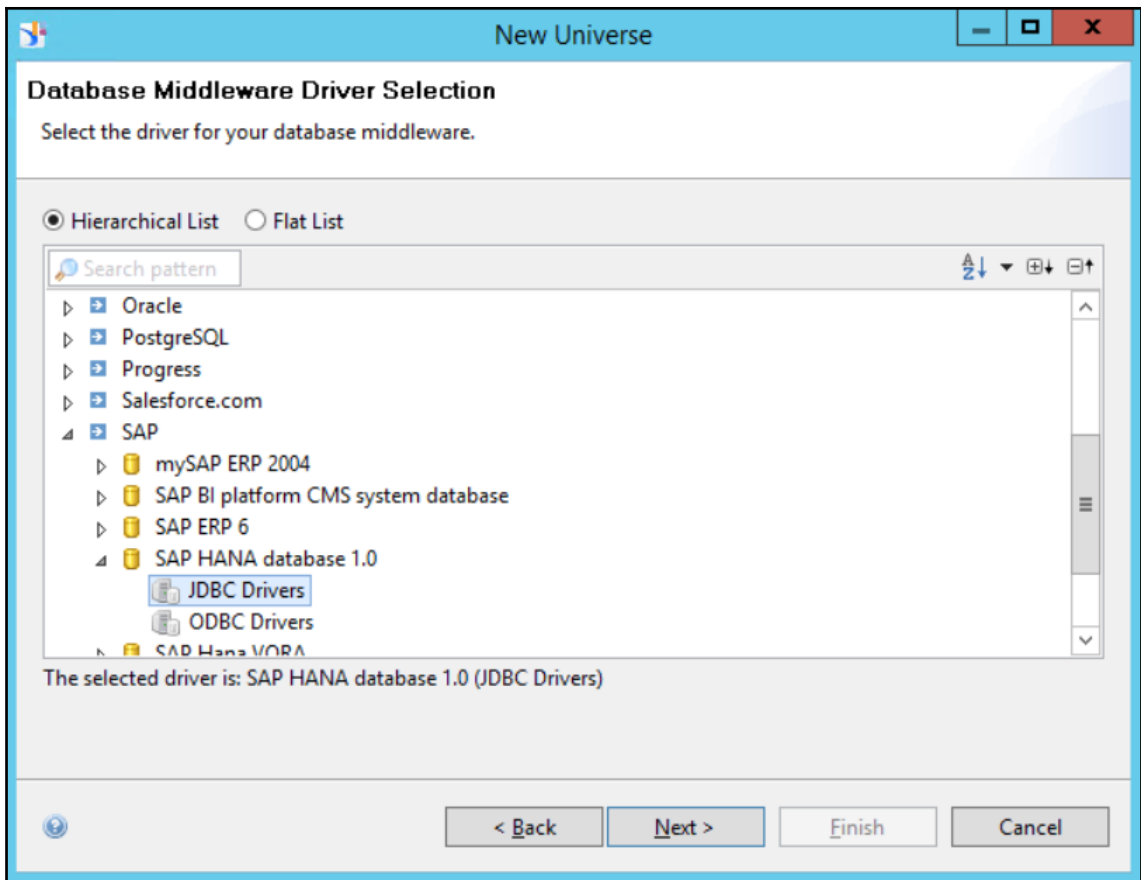
# Chapter 1: Overview of SAP BusinessObject Business Intelligence 4.2

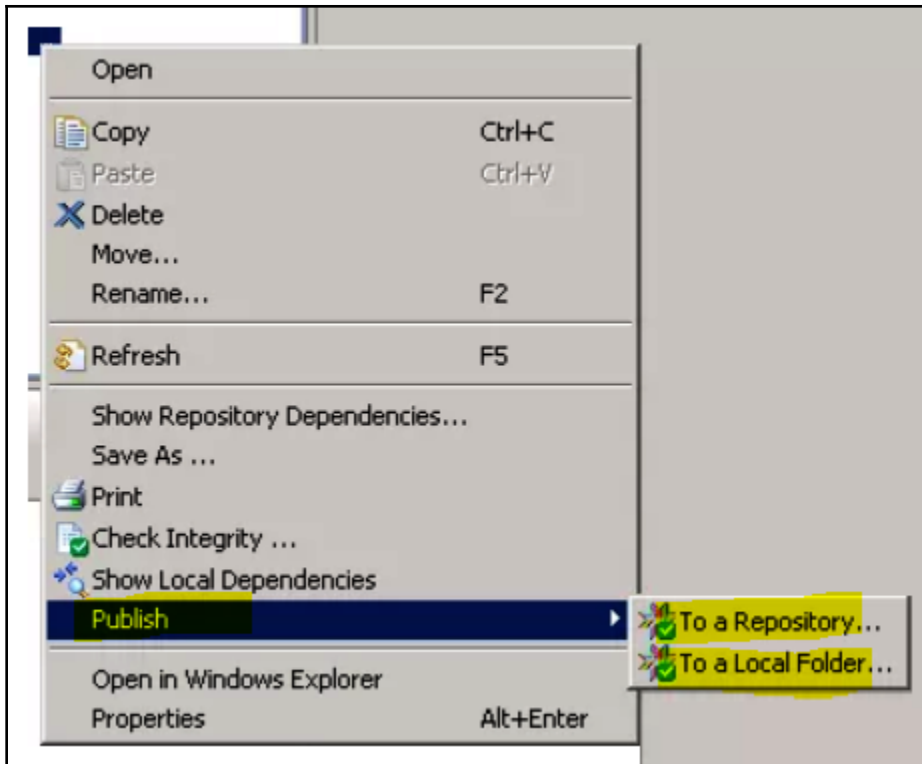


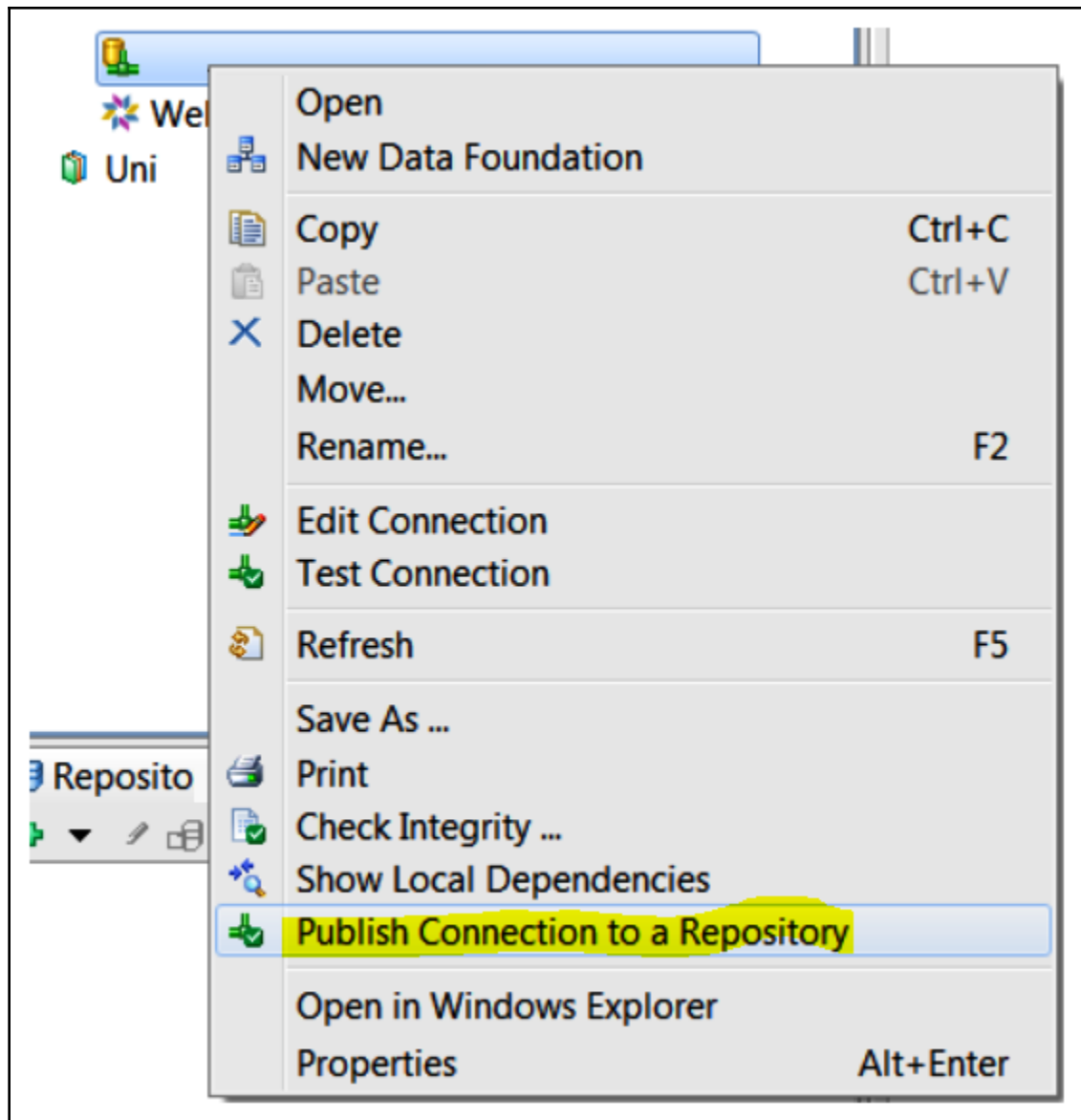


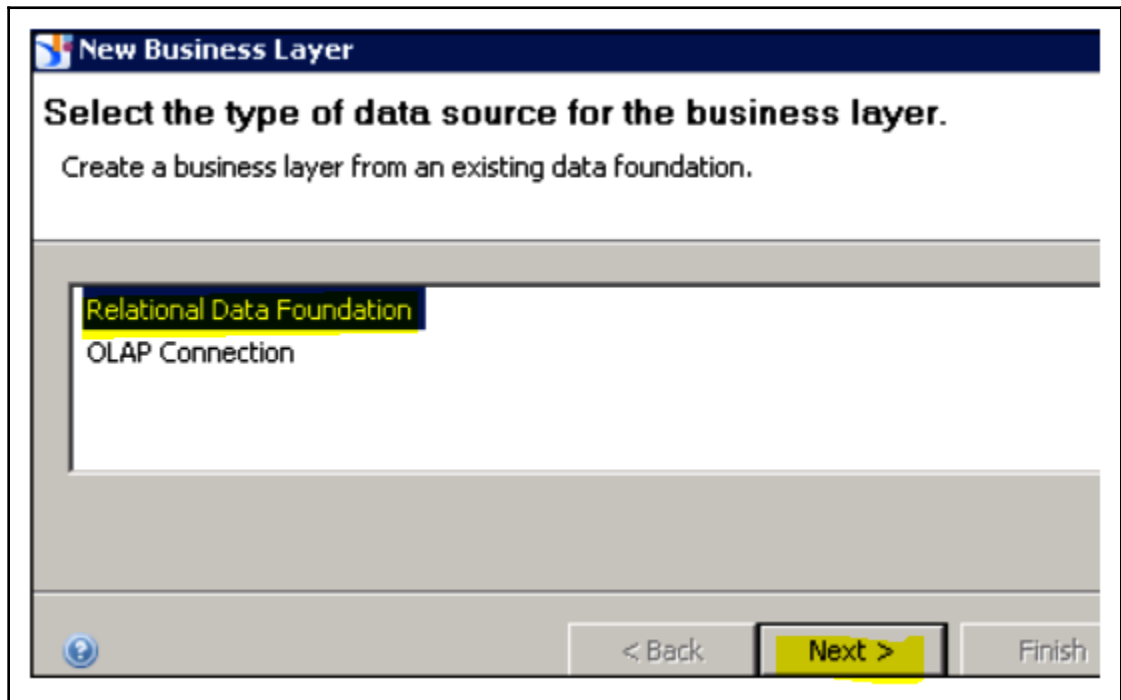
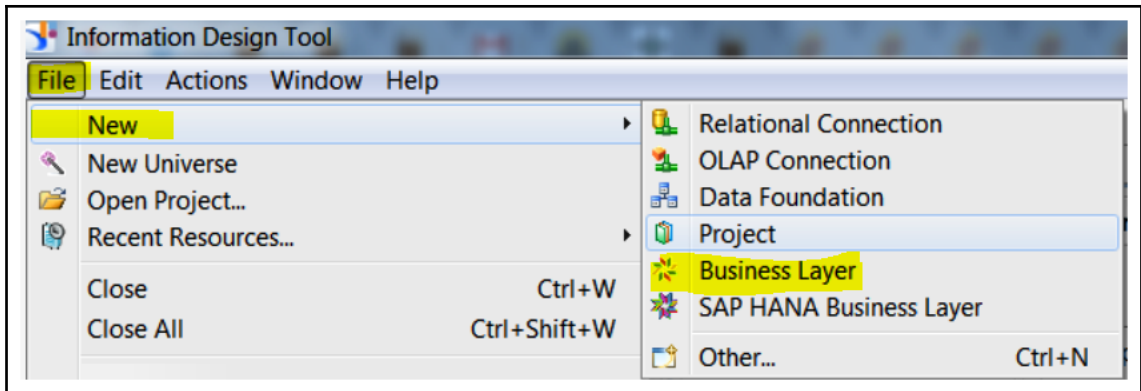




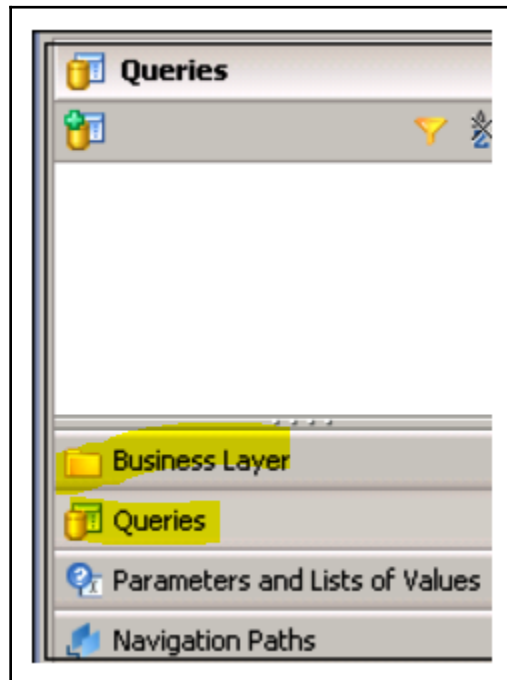
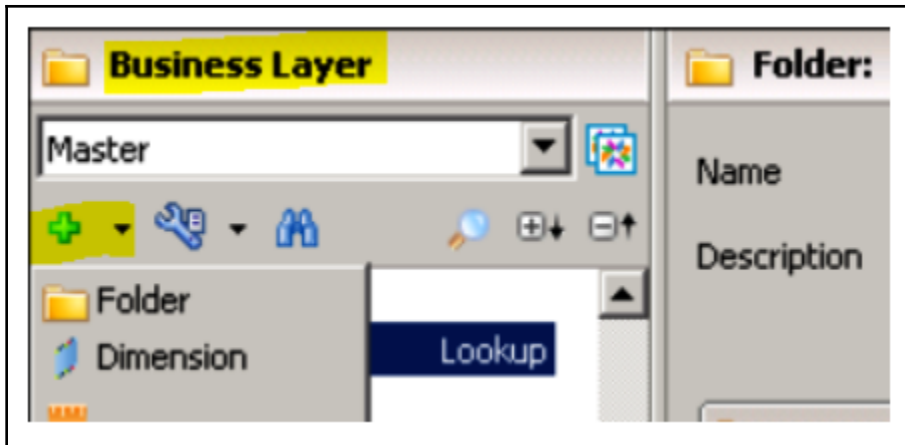




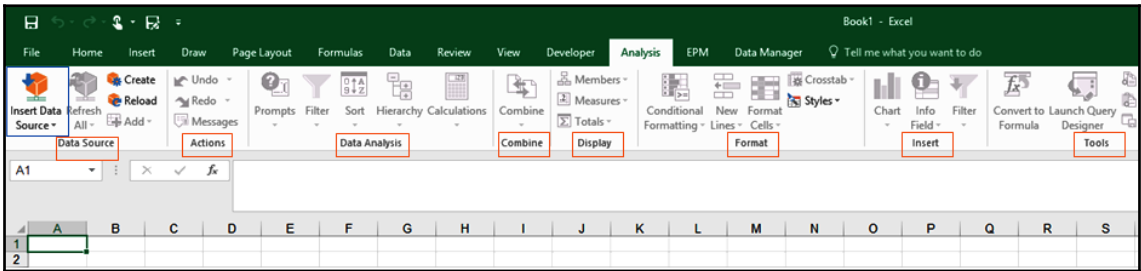
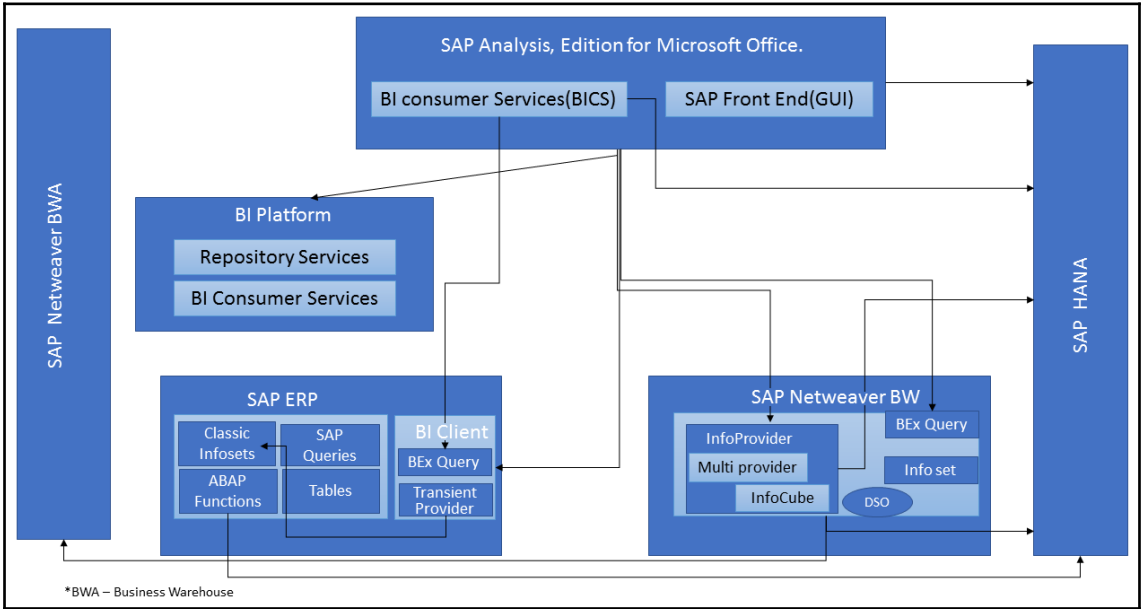


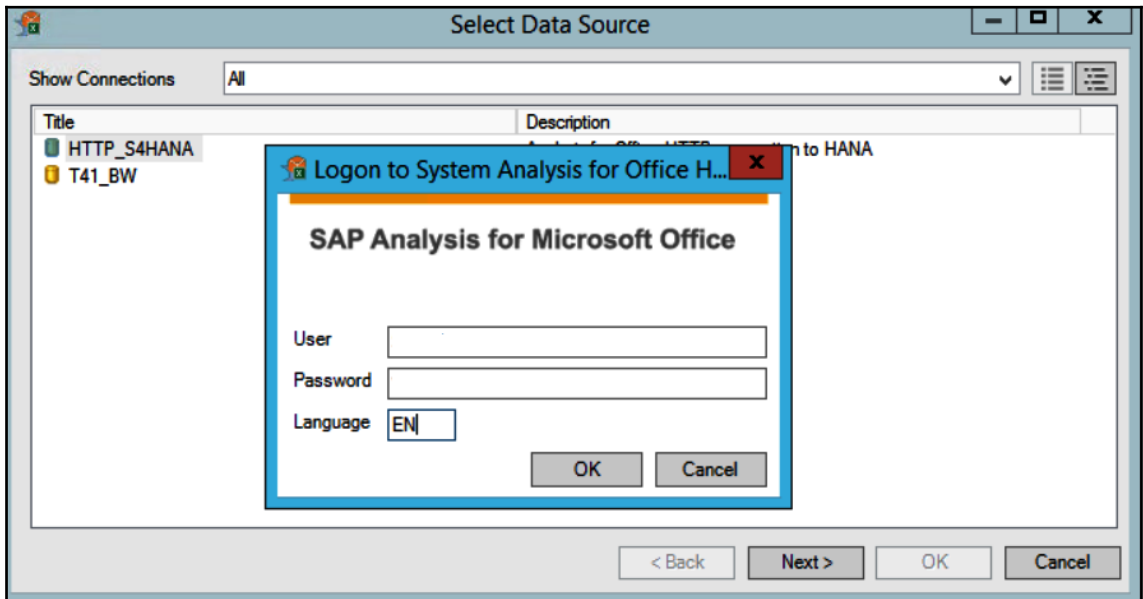
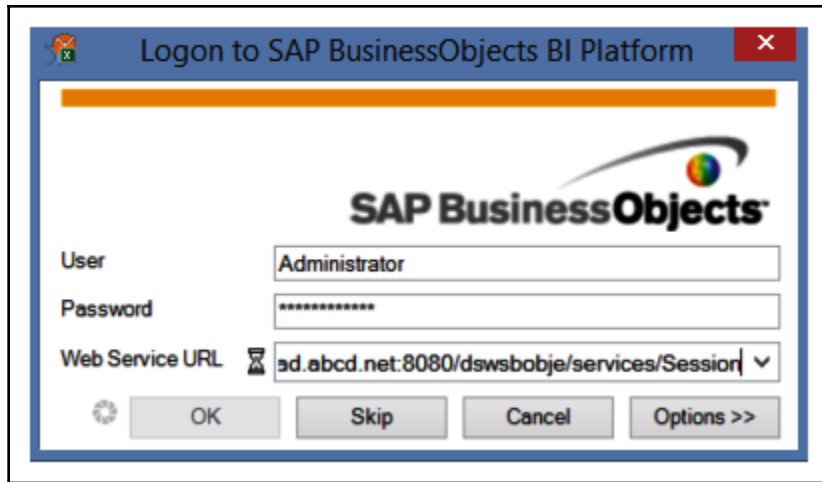






# Chapter 2: SAP BusinessObject Analysis





H	I	J	K	L	M	N	O	P
AMOUNT_SOLD	QUANTITY_SOLD	MARGIN						

### Analysis

Find

DATA SOURCE

- AN\_SALES
- Measures
- ARTICLE
- CATEGORY
- CITY
- FAMILY
- MONTH\_NAME
- QTR
- SALE\_PRICE
- STATE
- STORE
- WEEK\_ID
- WEEK\_IN\_YEAR
- YR

COLUMNS

Measures

ROWS

BACKGROUND FILTER

Field Insert Formula Designer Tools Refresh Design Panel

M	N	O

## Analysis

Find

**DATA SOURCE**

- AN\_SALES
- Measures
- ARTICLE
- CATEGORY
- CITY
- FAMILY
- MONTH\_NAME
- QTR
- SALE\_PRICE
- STATE
- STORE
- WEEK\_ID
- WEEK\_IN\_YEAR
- YR

**COLUMNS**

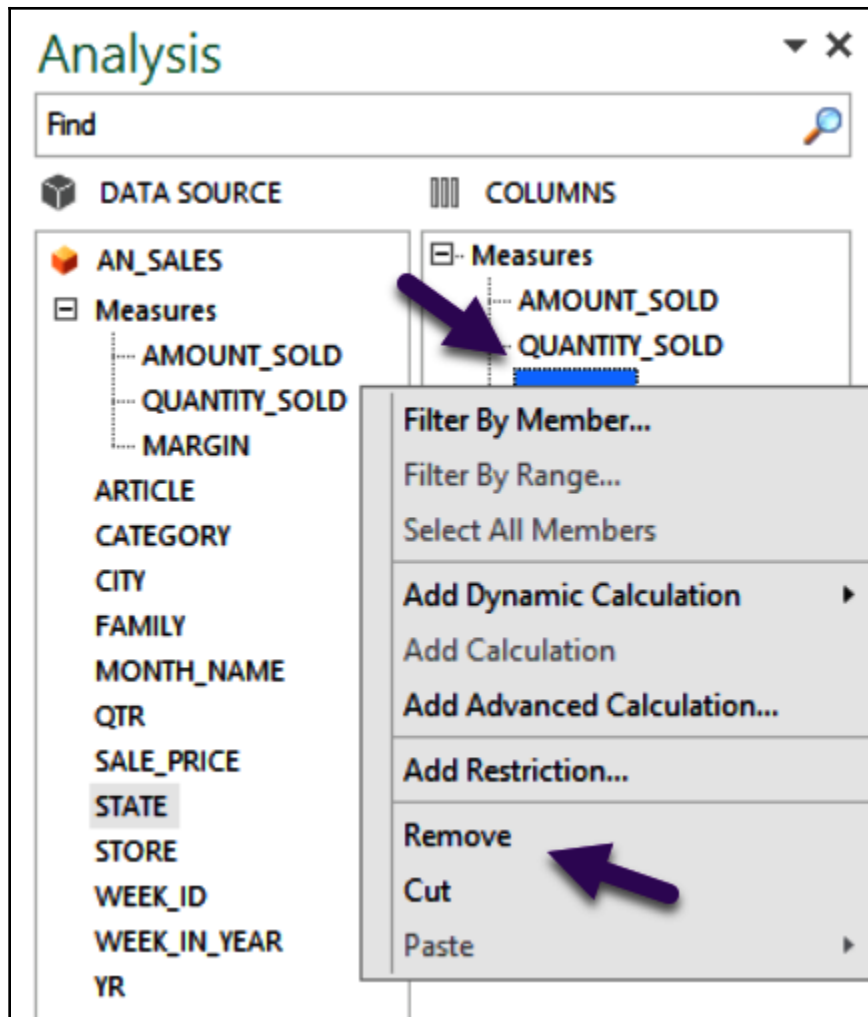
Measures

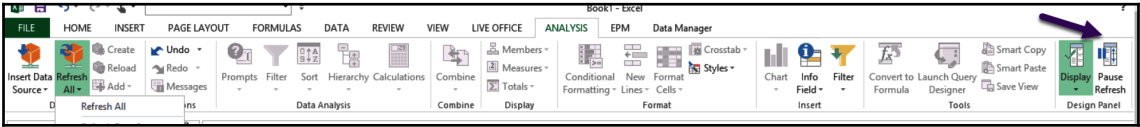
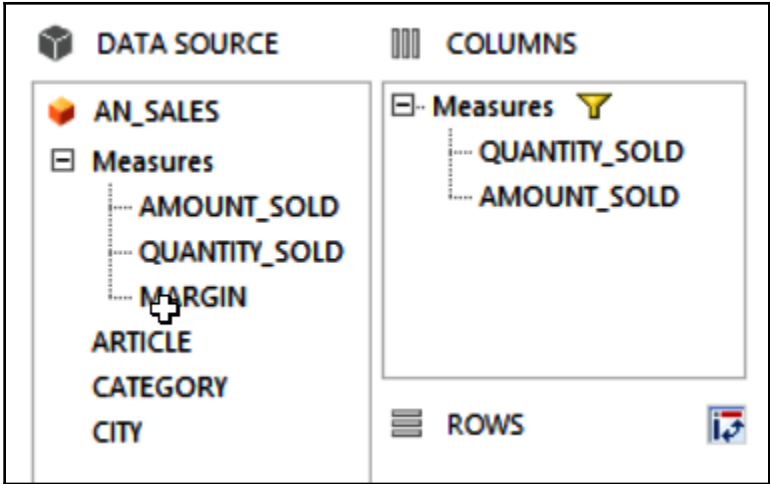
- AMOUNT\_SOLD
- QUANTITY\_SOLD
- MARGIN

**ROWS**

- STATE
- STORE
- CATEGORY

**BACKGROUND FILTER**





AN\_SALES

Measures

- QUANTITY\_SOLD
- AMOUNT\_SOLD

ROWS

STATE

BACKGROUND FILTER

**STATE: Filter By Member**

Individual Selection

Range Selection

Find Members  Key

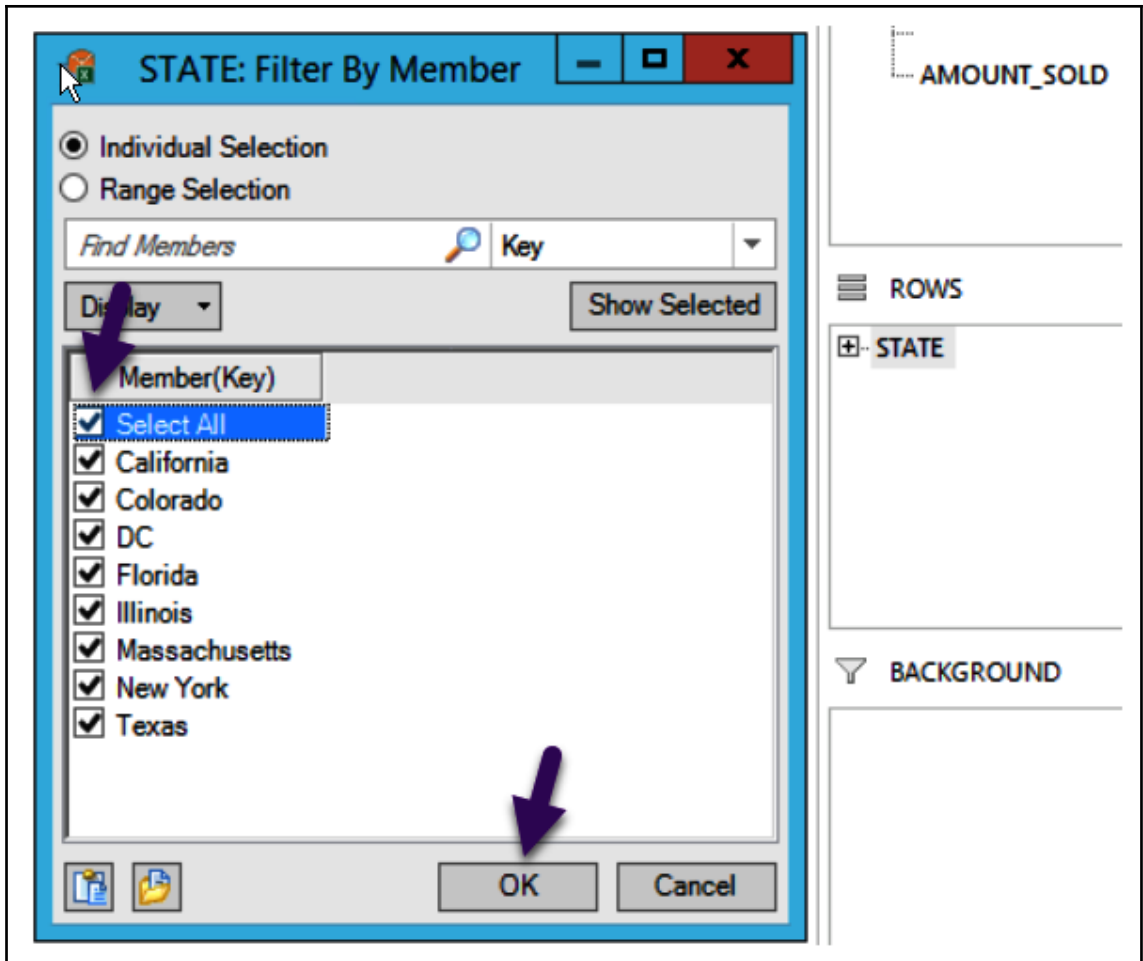
Display Show Selected

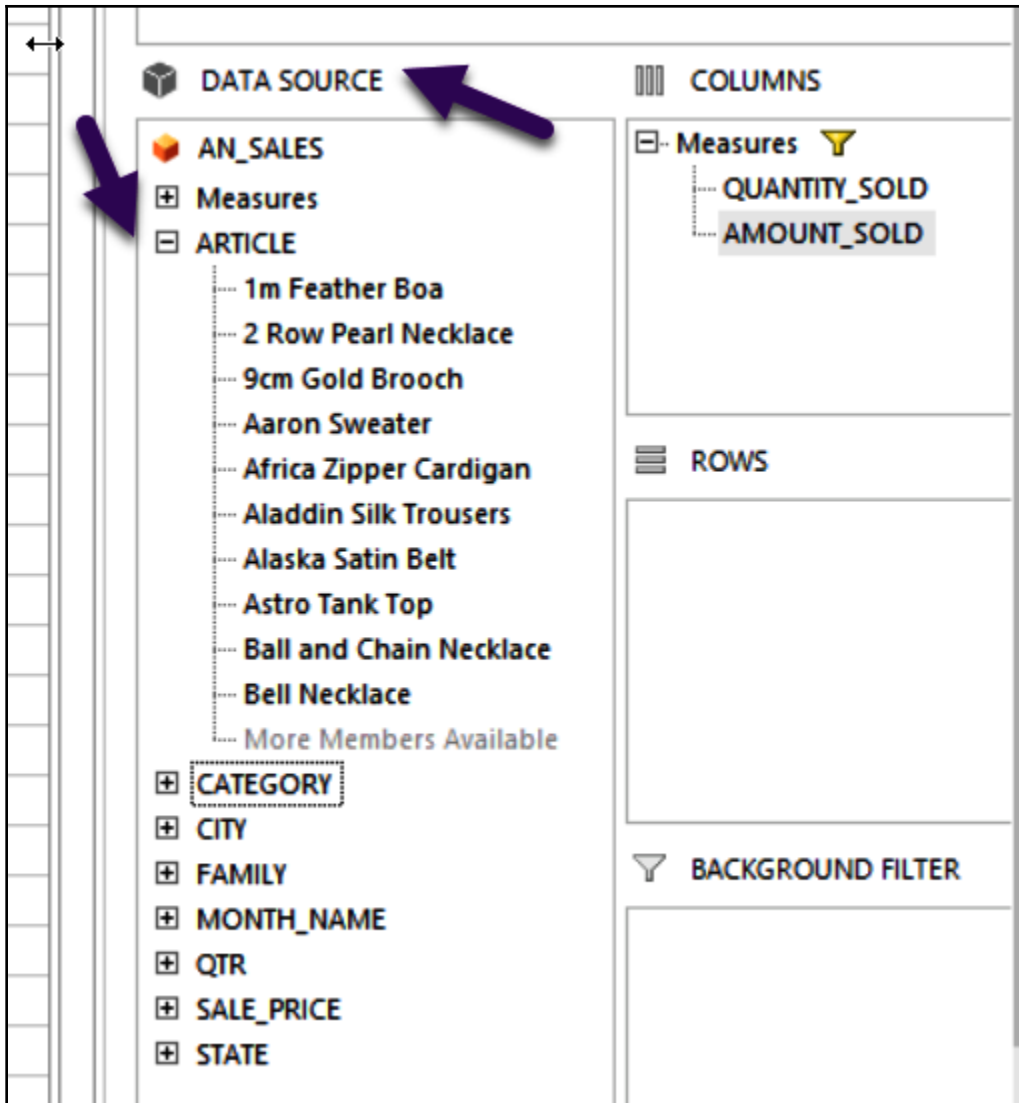
Member(Key)





- Select All
- California
- Colorado
- DC
- Florida
- Illinois
- Massachusetts
- New York
- Texas

OK Cancel





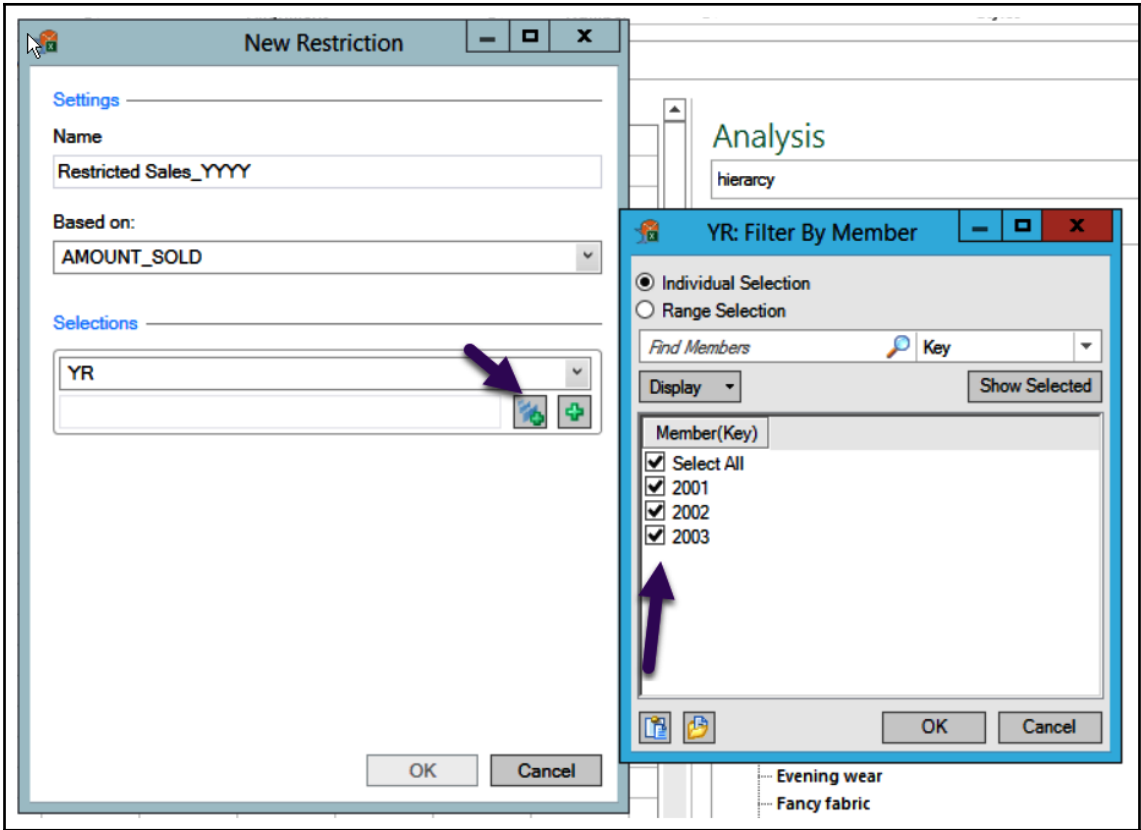


QUANTITY_SOLD	AMOUNT_SO		
223,229	36,387,202	 Paste Options:	
		 A	
		LiveOffice	▶
		Filter Members	
		Filter Members and Swap With	▶
		Filter Other Members	
		 Filter By Member...	
		Filter By Range...	
		Select All Members	
		Sort Ascending	
		Sort Descending	
		Add Calculation	▶
		Add Dynamic Calculation	▶
		Add Advanced Calculation...	
		Add Restriction...	
		Number Format...	
		 Members	▶
		New Lines	▶
		Format Cells	▶

The image shows a spreadsheet interface with a 'New Restriction' dialog box open. The spreadsheet has columns A, B, and C. Column A contains 'QUANTITY\_SOLD' with a value of 223,229. Column B contains 'AMOUNT\_SOLD' with a value of 36,387,202.80. The dialog box is titled 'New Restriction' and has the following fields:

- Settings**: A section header.
- Name**: A text input field containing 'Restricted Sales\_YYYY'.
- Based on:**: A dropdown menu set to 'AMOUNT\_SOLD'.
- Selections**: A section header.
- YR**: A dropdown menu set to 'YR'.

Four purple arrows point to the 'Settings' header, the 'Name' field, the 'Based on:' dropdown, and the 'Selections' header. At the bottom of the dialog box are 'OK' and 'Cancel' buttons.




# Analysis

hierarchy

**DATA SOURCE**


- AN\_SALES**
  - Measures
  - ARTICLE
    - 1m Feather Boa
    - 2 Row Pearl Necklace
    - 9cm Gold Brooch
    - Aaron Sweater
    - Africa Zipper Cardigan
    - Aladdin Silk Trousers
    - Alaska Satin Belt
    - Astro Tank Top
    - Ball and Chain Necklace
    - Bell Necklace
    - More Members Available
  - CATEGORY
    - 2 Pocket shirts
    - Belts,bags,wallets
    - Bermudas
    - Boatwear

**COLUMNS**

- Measures 
  - QUANTITY\_SOLD
  - AMOUNT\_SOLD
  - Restricted Sales\_YYYY

**ROWS**

**BACKGROUND FILTER**



The image shows the SAP Analysis ribbon menu. On the left is a dark green sidebar with navigation options: Analysis, BPC, Info, New, Open, Save, Save As, Print, Share, Export, Close, Account, and Options. The 'Analysis' option is highlighted in a lighter green. A white mouse cursor points to a circular arrow icon in the top-left corner of the ribbon, and a purple arrow points from this icon to the 'Analysis' menu item.

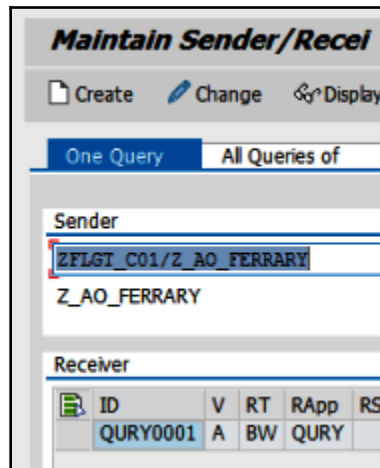
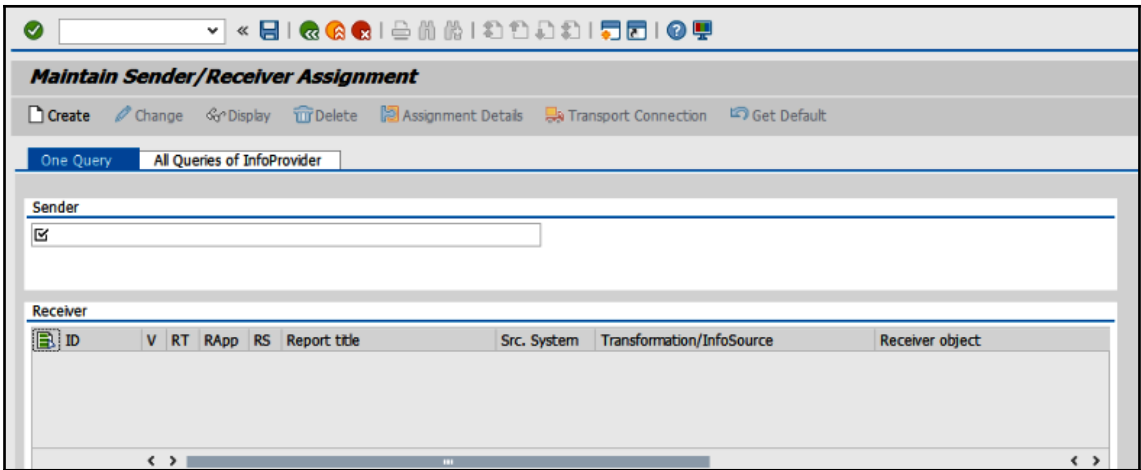
The main area of the ribbon is titled 'Analysis' and contains several command buttons, each with an icon and a description:

- Open Data Source**: Open a data source in the default workbook
- Open Workbook**: Open a workbook from a Platform.
- Convert BEx Workbook**: Convert BEx workbook to Analysis workbook
- Save Workbook**: Save a workbook on a Platform. This button is highlighted in green. A purple arrow points from it to a sub-menu.
- Protect Workbook**: Specify the actions that the user is allowed to perform

The sub-menu for 'Save Workbook' is shown below the main button, containing two options:

- Save Workbook**: Save a workbook on the SAP Business Objects BI Platform.
- Save Workbook**: Save a workbook on the SAP Business Warehouse Platform.

A purple arrow points from the sub-menu to the text 'this workbook'.






Version:

---

**Target System**

Local  

Source System

Any Source Systems

---

**Report Type**

BW Query

BEx Web Application

BW 3.x Web Application

Crystal Report

BW XCelsius


InfoSet Query

Transaction

ABAP Report

Web Address


Analysis Office



---


**Report**

Receiver Object





Description  

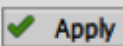
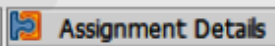
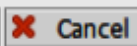
---

**Enhancements**

Transformation/InfoSource  

Only for Use with Dynamic Jump Destination

Book1

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW DEVELOPER

Insert Data Refresh Source All Add Data Source

Create Reload Add Actions

Undo Redo Messages

Prompts Filter Sort Hierarchy Calculations Data Analysis

Members Measures Totals Display

B7 : X ✓ fx 'SQ/15

	A	B	C	D	E	F	G	H
1	Carrier Id	connection Id	Distance	Formula 1				
2	United Airlines	UA/3504	5.685,00 MI	NONEX				
3		UA/3516	6.162,00 KM	NONEX				
4		UA/3516						
5		UA/94						
6		Resu						
7	Singapore Airlines	SQ/15	8.452,00 MI	NONEX				
8		SQ/15						
9		SQ/2						
10		SQ/9						
11		Resu						
12	Qantas Airways	QF/5						
13		QF/6						
14		Resu						
15	Lufthansa	LH/24						
16		LH/24						
17		LH/40						
18		LH/40						
19		LH/40						
20		Resu						
21	Japan Airlines	JL/40						
22		JL/40						
23		Resu						
24	Delta Airlines	DL/10						
25		DL/10						
26		DL/10						
27		Result	8.995,00 MI	8.995 M				
28	American Airlines	AA/17	2.572,00 MI	NONE				
29		AA/64	2.572,00 MI	NONE				

Verdana 8 A+ A- %

B I [font settings]

Paste Options:

- Filter Members
- Filter Members and Swap With
- Filter Other Members
- Filter By Member...
- Select All Members
- Filter by Measure
- Sort Ascending
- Sort Descending
- Members
- Totals
- New Cells
- Format Cells
- Goto

Details of Product

Display appointments

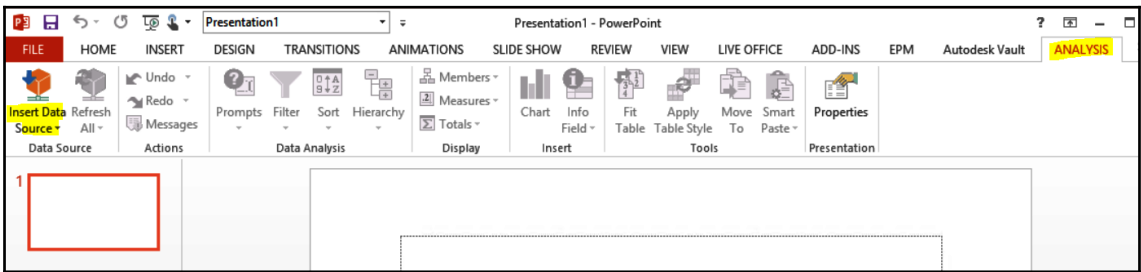
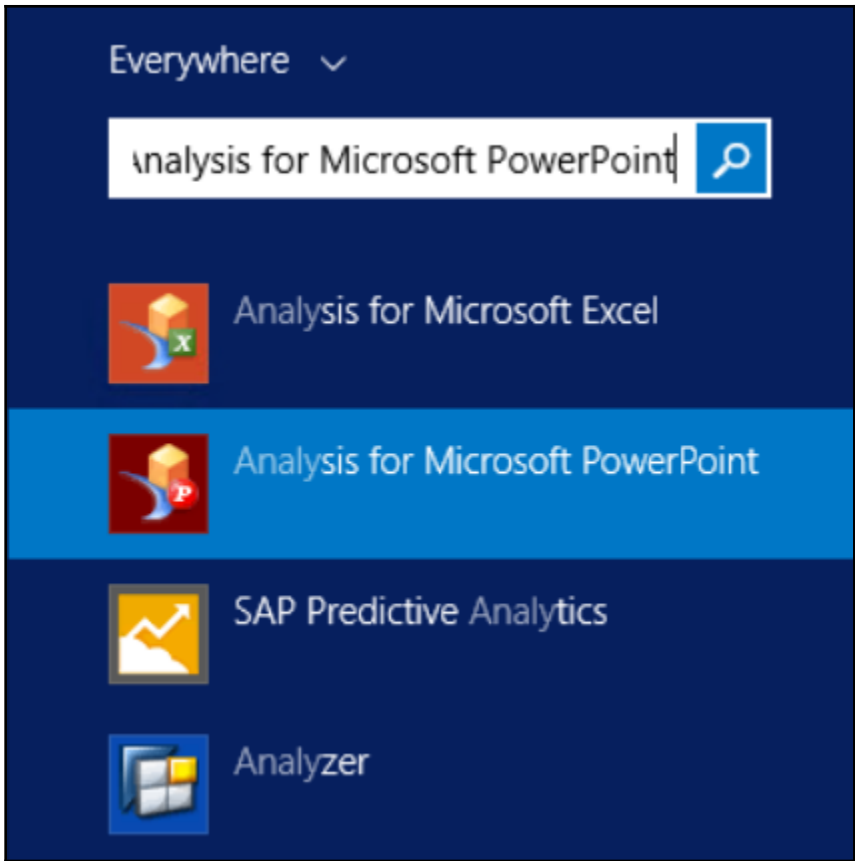
Search at Google

Z\_AO\_FERRARY\_VARIABLE

Carrier Id	connection Id	Distance	Formula 1
Singapore Airlines	SQ/15	8.452	100,000 %
	<b>Result</b>	<b>8.452</b>	<b>8.452 MI</b>

The screenshot shows the Analysis tool ribbon with several callouts and dialog boxes:

- Select Data Sources**: Callout for the Insert Data Source button.
- Prompt for Presentation Prompt for Data Source**: Callout for the Prompts button.
- Compact Display in Rows Compact Display in Columns Expand Upwards(Rows) Expand Upwards(Column)**: Callout for the Filter button.
- Number Format Show Scaling Factors Currency Translation General Format..**: Callout for the Info Field button.
- Data Source Name Last Data Update Key Date Effective Filters Variables**: Callout for the Properties button.
- Filter By Member.. Filter by Measure**: Callout for the Filter button.
- Sort Ascending Sort descending More Sort Options..**: Callout for the Sort button.
- Show Tools Hide Tools Hide Totals if Only one member is Available Calculate Tools As Total Rows Above Members Total columns Left of Members.**: Callout for the Totals button.
- Move Slide**: Callout for the Move To button.
- Presentation Properties**: Dialog box with options: Refresh Presentation on Opening, Force Prompt for Initial Refresh, Store Prompts with Presentation (checked), Remove Data Before Saving, Merge Variables.



**Login to System T41\_BW**

---

## SAP Analysis for Microsoft Office

Client

User

Password

Language

**Select Data Source**

Search Area Role Workspaces

Product Plan and Actuals

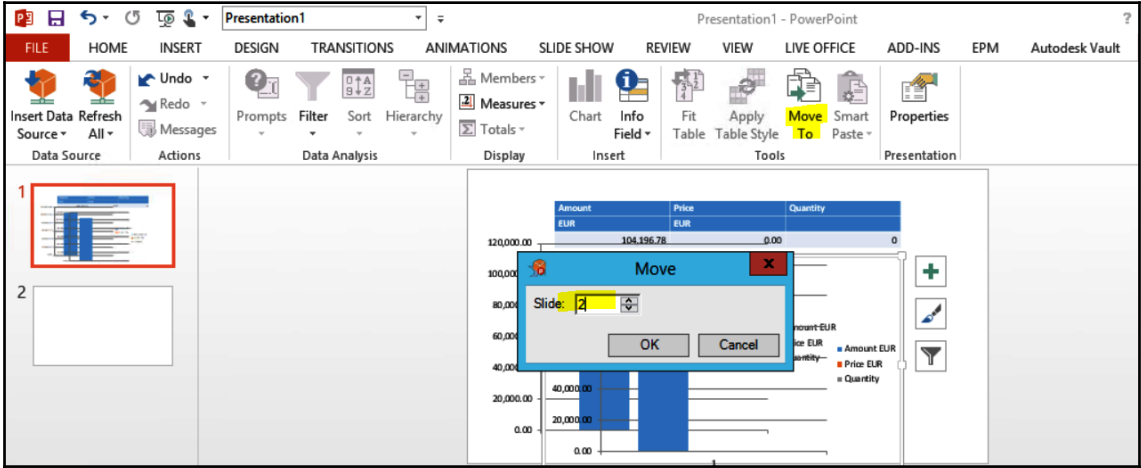
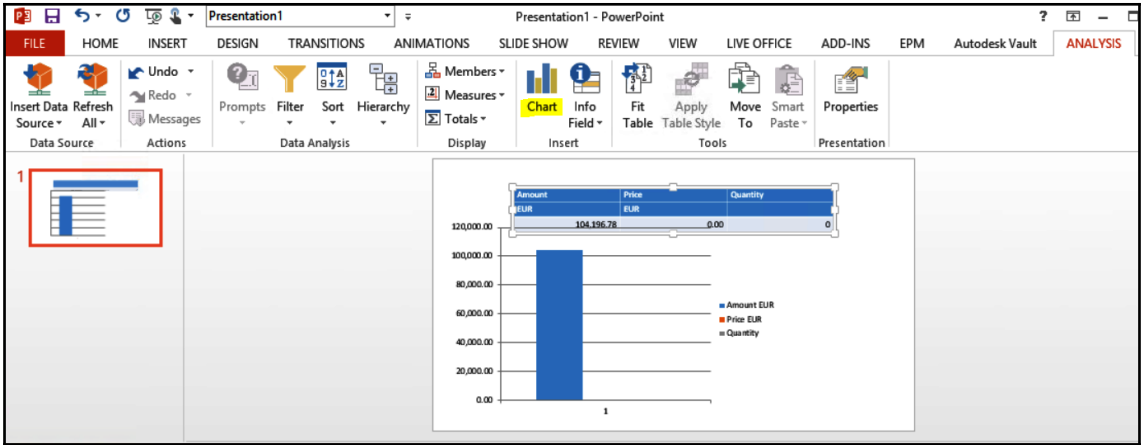
Description	Technical Name

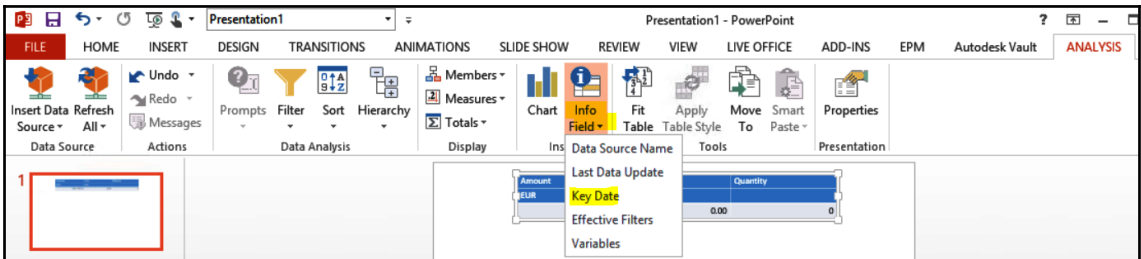
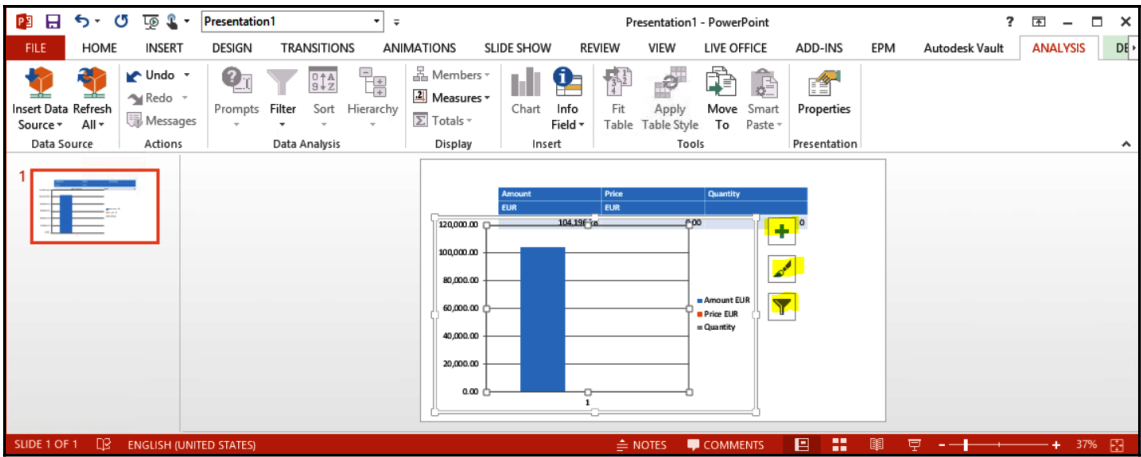
All
  InfoProvider
  Query
  Query View

FILE HOME INSERT DESIGN TRANSITIONS ANIMATIONS SLIDE SHOW REVIEW VIEW LIVE OFFICE ADD-INS EPM Autodesk Vault ANALYSIS

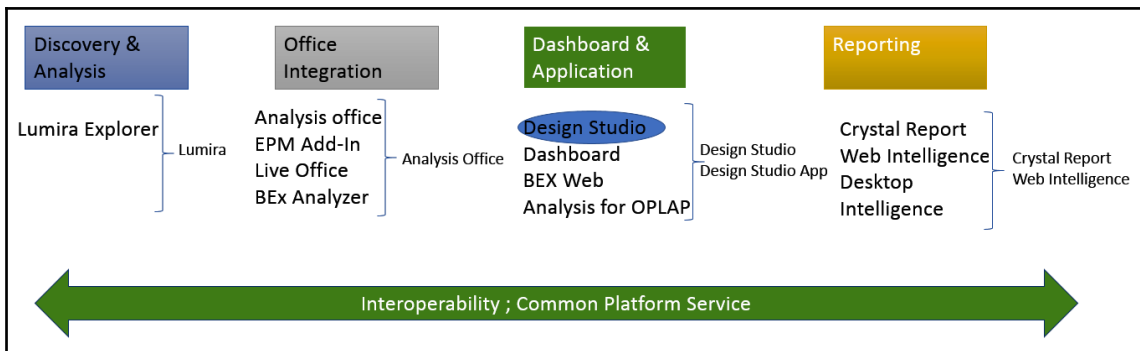
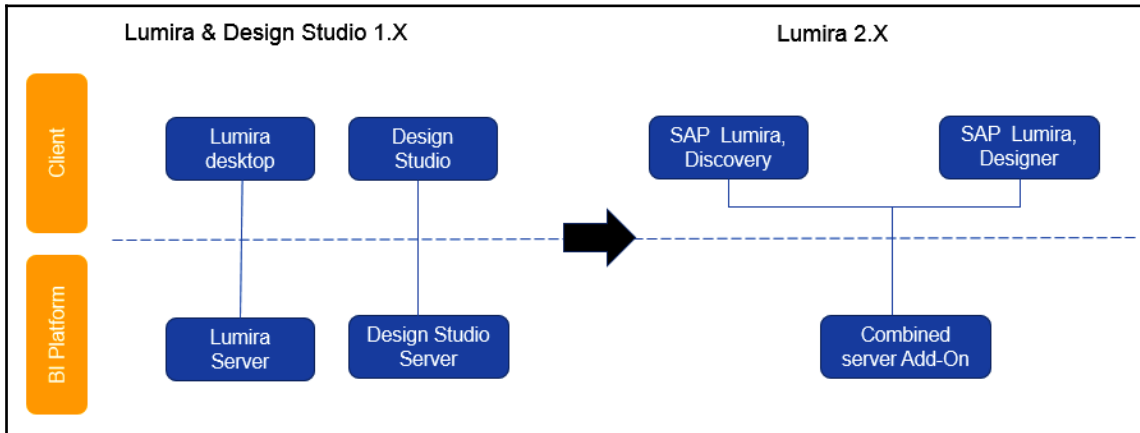
Insert Data Refresh Undo Redo Prompts Filter Sort Hierarchy Members Measures Totals Display Chart Info Field Fit Table Apply Table Style Move To Smart Paste Properties

Amount	Price	Quantity
EUR	EUR	
104,196.78	0.00	0

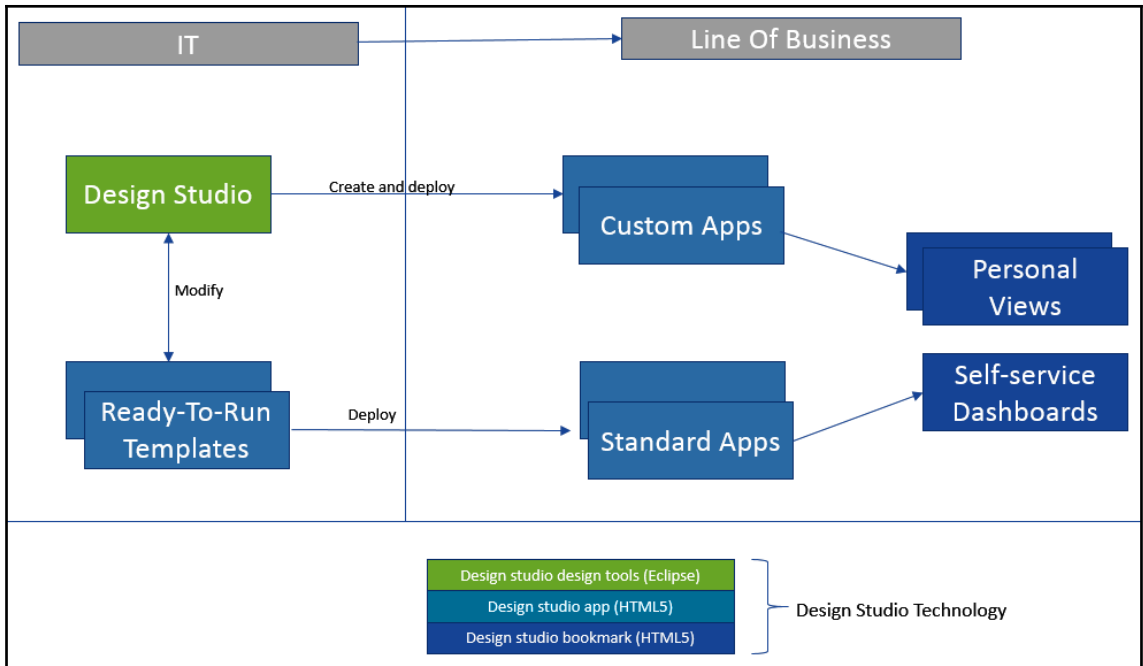


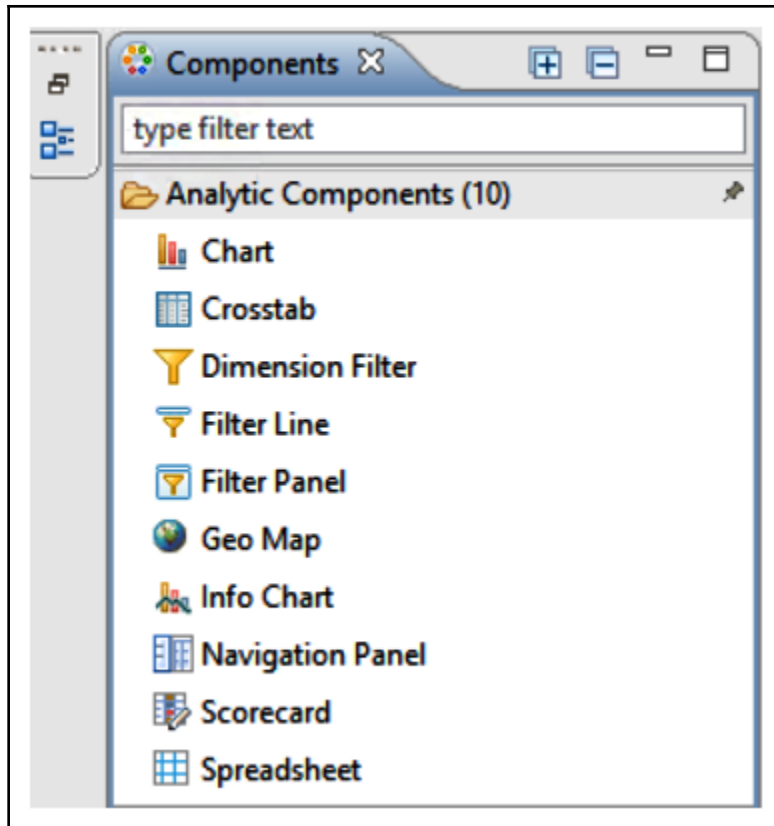


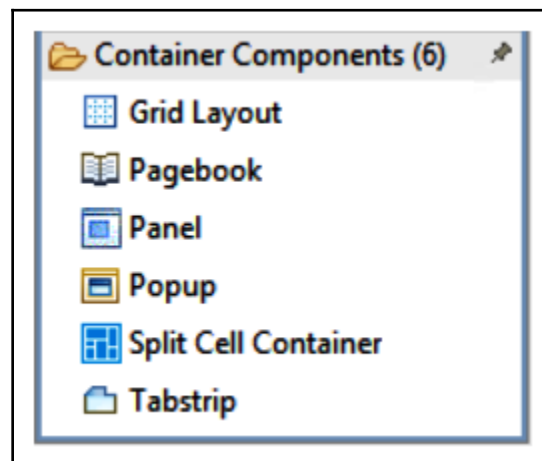
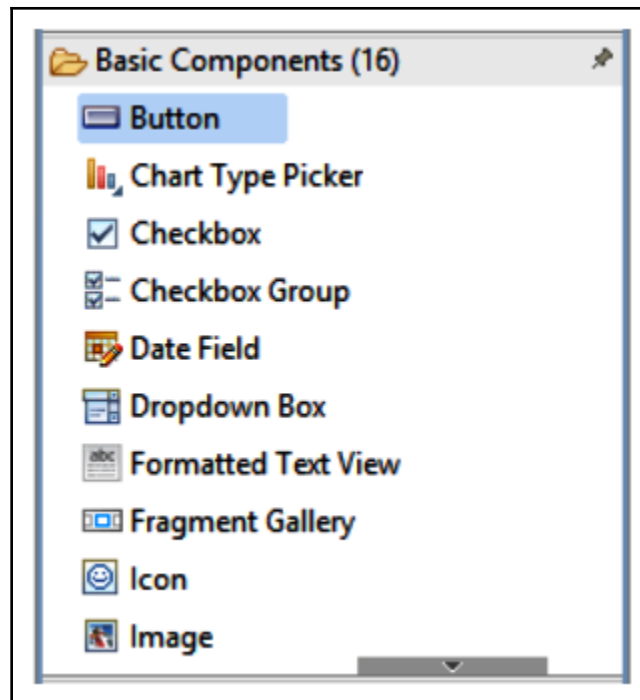
# Chapter 3: SAP BusinessObject Design Studio

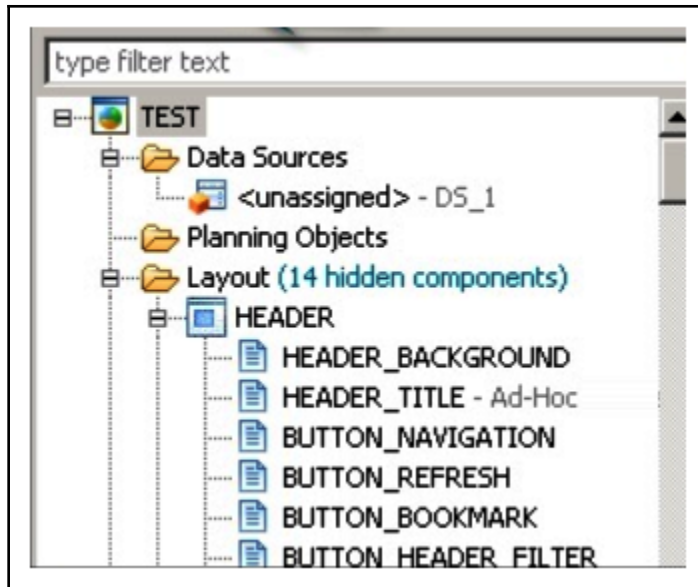




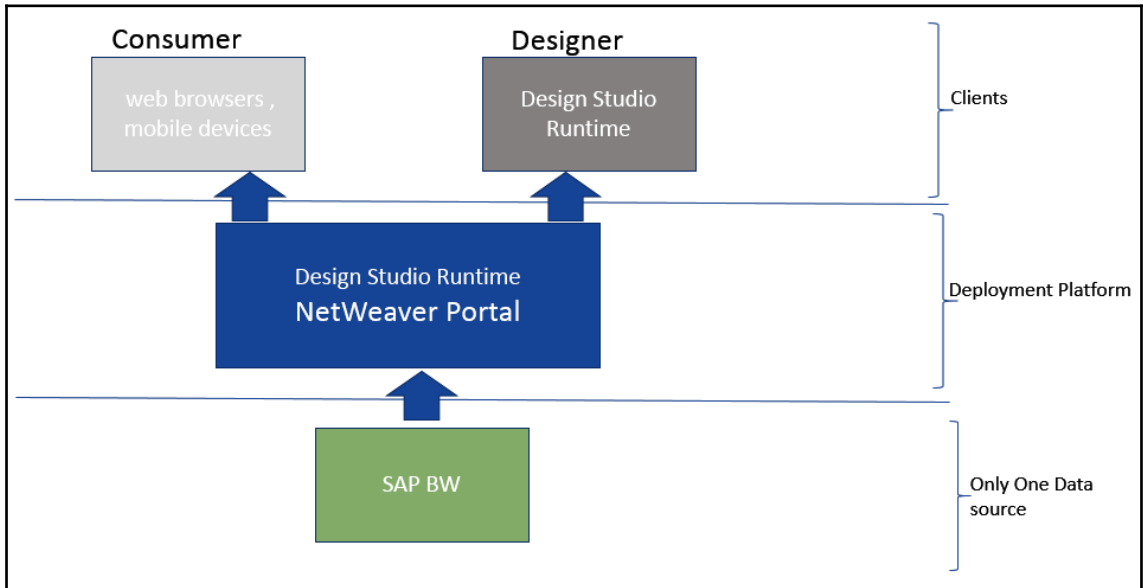
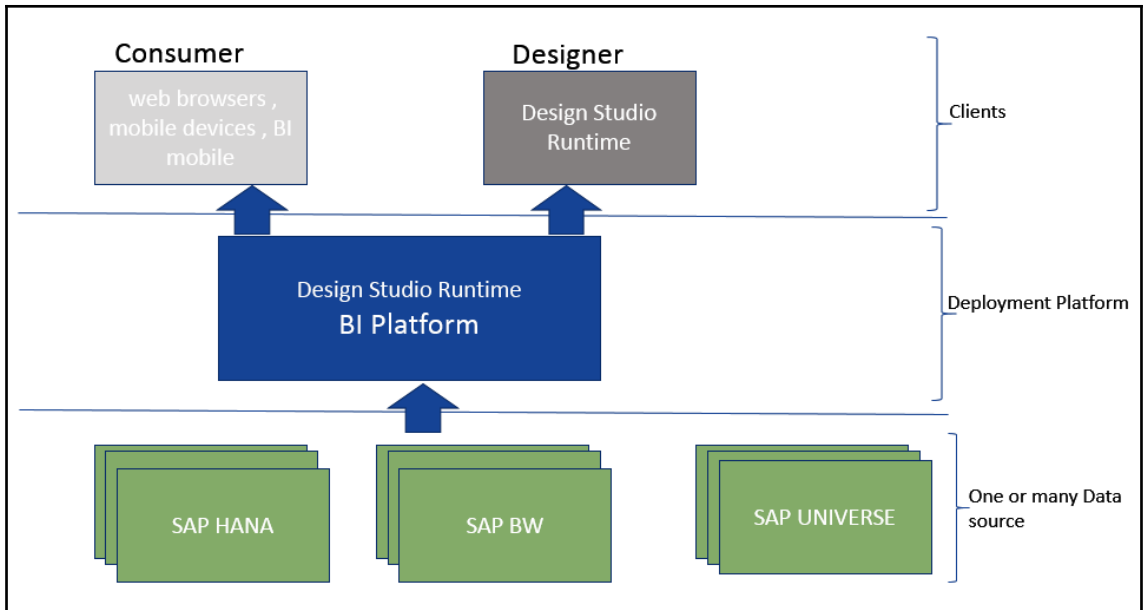


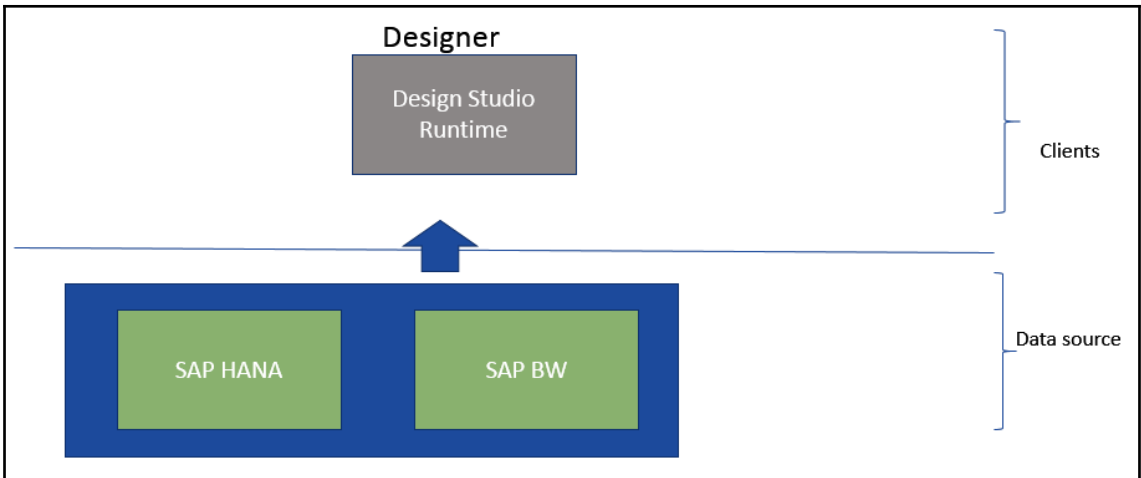
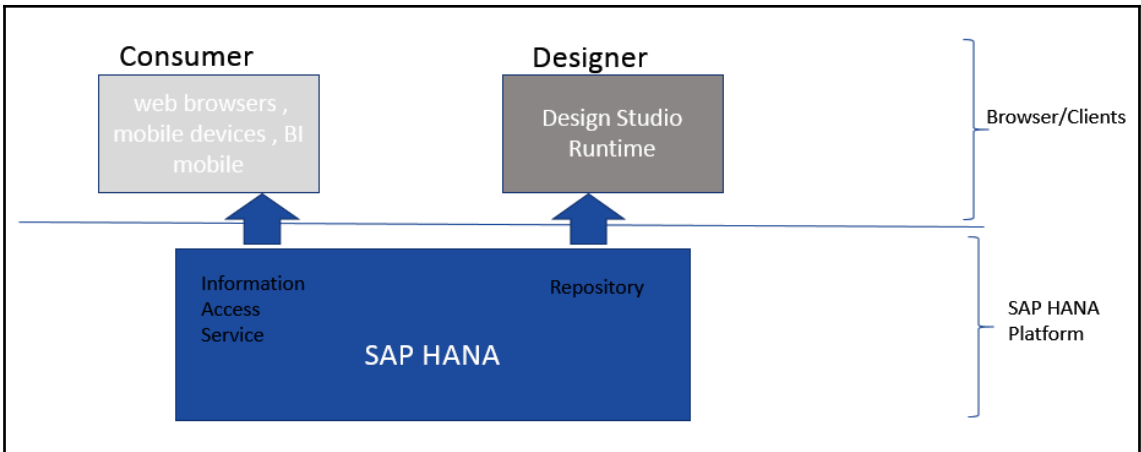


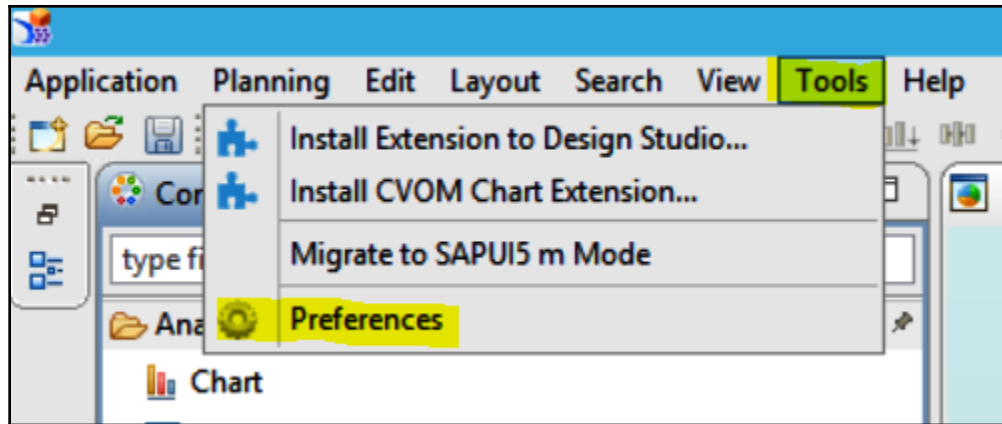




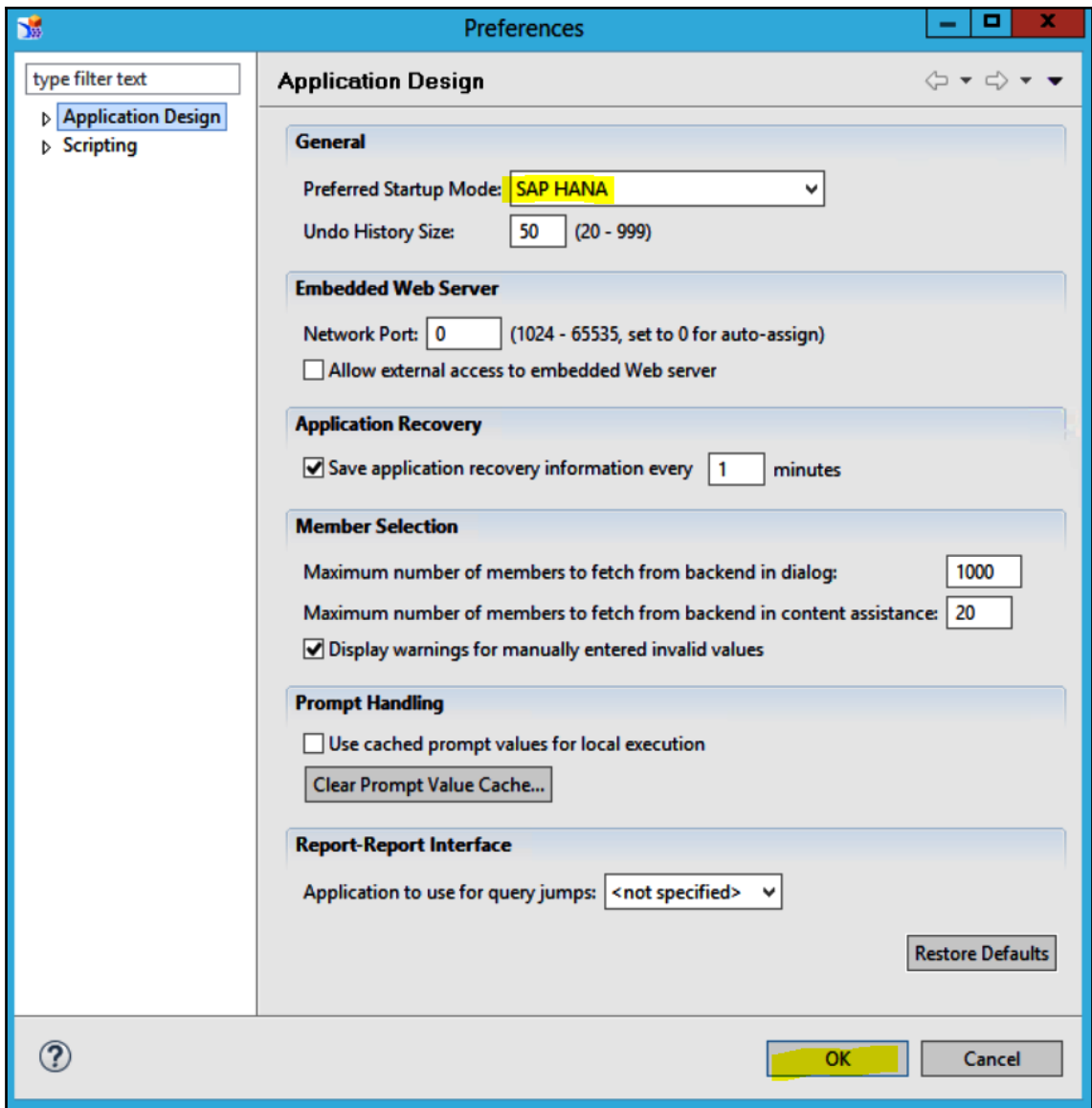
Property	Value
Position of M	Right
Displayed Me	Errors
[-] Prompts	
Merge Promp	true
Force Promp	false
Prompt Settir	<no prompts available>
Maximum Num	100
Width of Dial	960
Height of Dia	640
[-] Planning	
Planning Con	<none>
Planning Moc	
[-] Scripting	
Global Script	g_navigation_on, g_to
[-] Events	
On Variable I	
On Startup	// check url parameterif
On Backgrou	
On Be <sup>o</sup> re Pr	



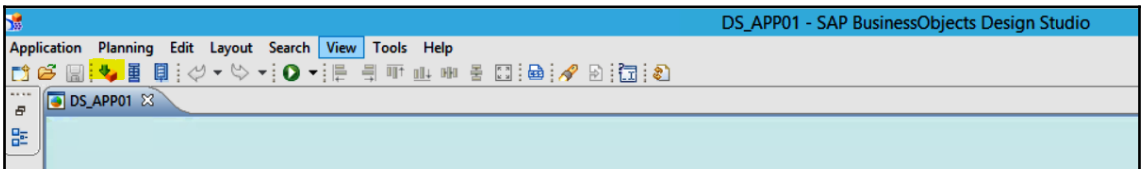
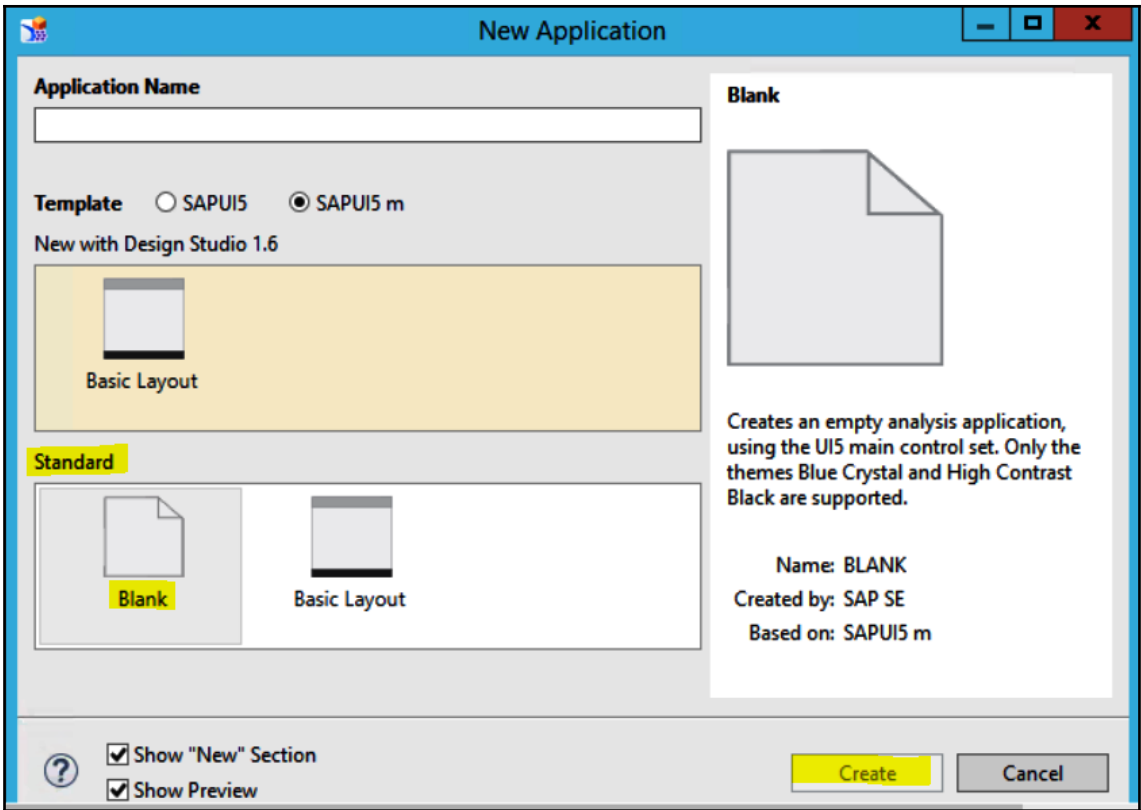








Create New	Recently-Used Analysis Applications	Useful Links
<p>Click to start a new Analysis Application</p> <p><a href="#">Create Analysis Application</a></p>	<p>Quickly find recently-used Analysis Applications</p> <p>No Analysis Applications created or modified so far</p>	<p>Follow these useful links to learn more</p> <ul style="list-style-type: none"> <li><a href="#">SAP Help Portal</a></li> <li><a href="#">SAP Analytics Products</a></li> <li><a href="#">SAP Home Page</a></li> <li><a href="#">SAP Idea Place</a></li> </ul>



---

**Add Data Source**

Connection:\* HANA JHI64

Connection is active

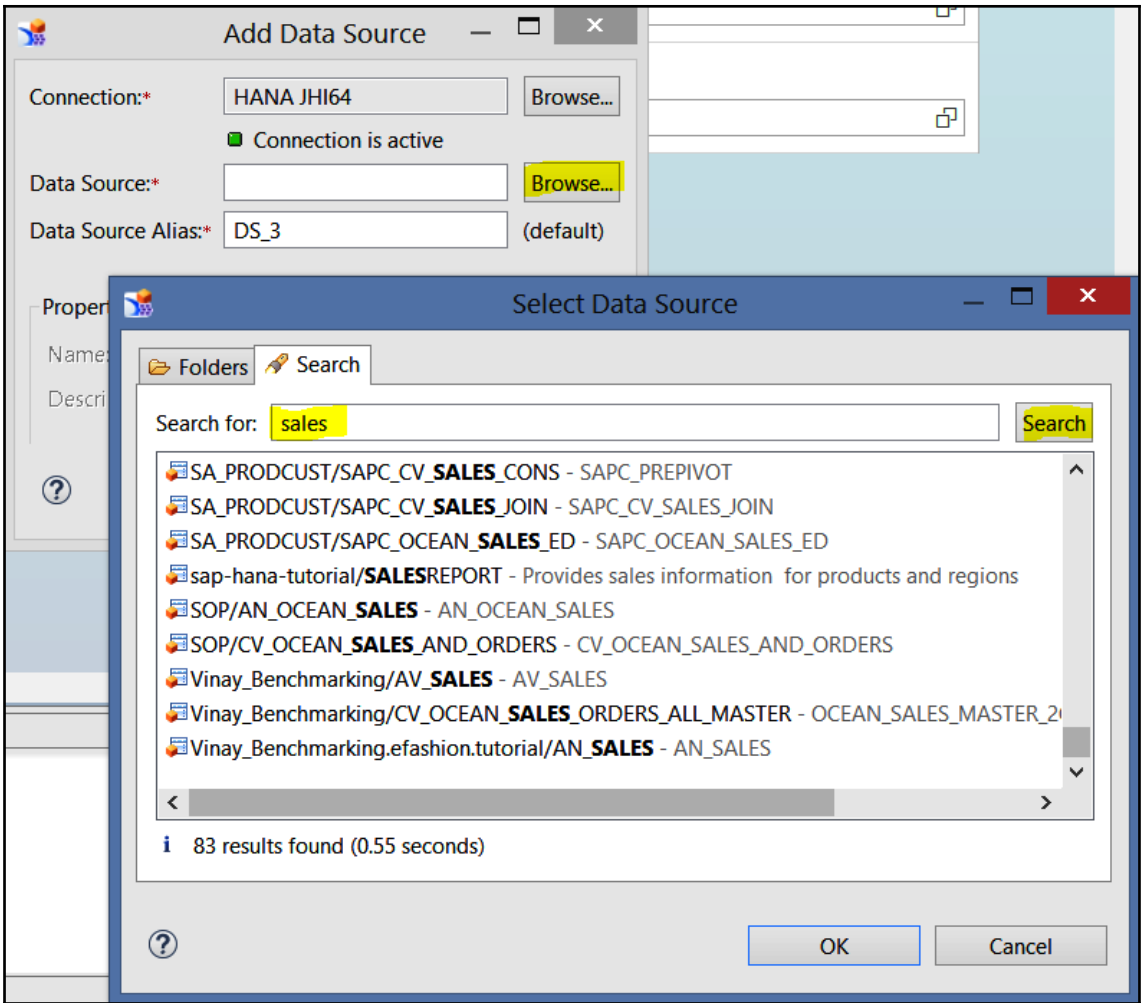
Data Source:\*

Data Source Alias:\* DS\_3 (default)

**Properties**

Name:

Description:



Edit Initial View of Vinay\_Benchmarking.efashion.tutorial/AN\_SALES - DS\_2

Vinay\_Benchmarking.ef

- > CATEGORY
- > CITY
- > FAMILY
- > MONTH\_NAME
- > QTR
- > SALE\_PRICE
- > STATE
- > STORE
- > WEEK\_ID
- > WEEK\_IN\_YEAR
- > YR

Global Data Source Settings

Display of Negative Values: -X

Display of Zero Values: Default

Columns

- Measures
  - AMOUNT\_SOLD
  - QUANTITY\_SOLD
  - MARGIN
- Rows
  - STORE

Background Filter

Live Preview 42 data cells

STORE	AMOUNT_SOLD	QUANTITY_SOLD
e-Fashion Washington Tolbooth	2,961,949.90	18,744
e-Fashion Chicago 33rd	3,022,658.40	17,976
e-Fashion Houston Leighton	3,144,774.10	18,988
e-Fashion Los Angeles	4,220,928.80	26,244
e-Fashion Austin	2,699,673.20	17,078
e-Fashion Dallas	1,970,034.20	12,365
e-Fashion New York Magnolia	4,621,854.10	28,264
e-Fashion Colorado Springs	2,060,275.20	12,787
e-Fashion Houston	2,303,182.80	13,916
e-Fashion New York 5th	2,960,366.50	18,094
e-Fashion Miami Sundance	1,879,158.50	11,267
e-Fashion San Francisco	3,258,640.50	19,830
e-Fashion Boston Newbury	1,283,706.60	7,676
<b>Total Result</b>	<b>36,387,202.80</b>	<b>223,229</b>

Extract CSV Data Undo Redo OK + Create Crosstab OK

Pagebook

- Panel
- Popup
- Tabstrip
- Outline
- type filter text
- TEST
  - Data Sou
  - Vinay\_Benchmarking/AV\_SALES - DS\_1

Copy

Paste

Rename

Delete

Deassign

Edit Initial View...

Reset Initial View

Find References

Edit Initial View of Vinay\_Benchmarking.efashion.tutorial/AN\_SALES - DS\_1

Vinay\_Benchmarking...

- > ARTICLE
- > CATEGORY
- > CITY
- > FAMILY
- > MONTH\_NAME
- > QTR
- > SALE\_PRICE
- > STATE
- > STORE
- > WEEK\_ID
- > WEEK\_IN\_YEAR
- > YR

Global Data Source Settings

Display of Negative Values:

Display of Zero Values:

Columns

Measures

- AMOUNT\_SOLD
- QUANTITY\_SOLD

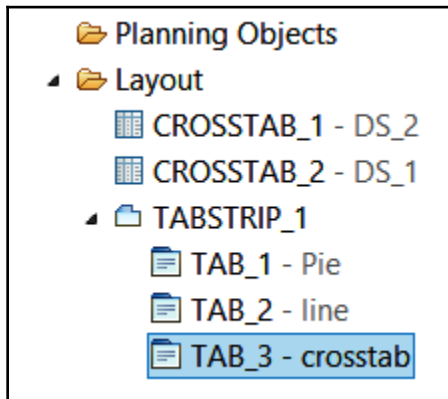
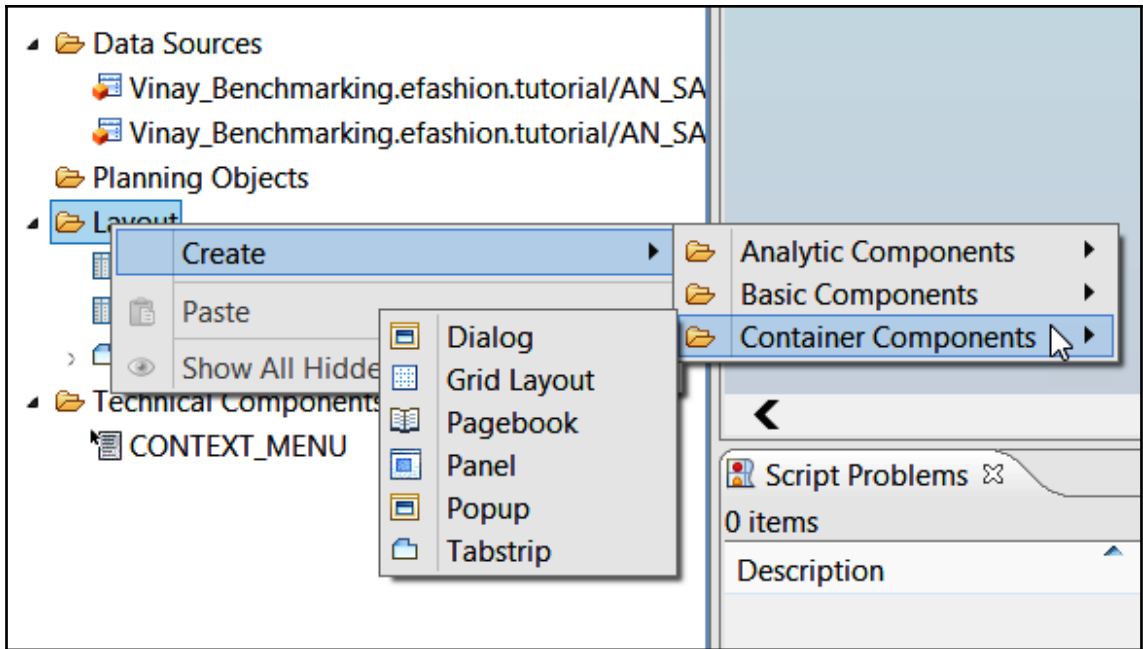
Rows

- > STORE
- > STATE

Background Filter

Live Preview 54 data cells

STORE	STATE	AMOUNT_SOLD	QUANTITY
e-Fashion Washington Tolbooth	DC	2,961,949.90	
	<b>Result</b>	<b>2,961,949.90</b>	
e-Fashion Chicago 33rd	Illinois	3,022,658.40	
	<b>Result</b>	<b>3,022,658.40</b>	
e-Fashion Houston Leighton	Texas	3,144,774.10	
	<b>Result</b>	<b>3,144,774.10</b>	
e-Fashion Los Angeles	California	4,220,928.80	
	<b>Result</b>	<b>4,220,928.80</b>	
e-Fashion Austin	Texas	2,699,673.20	
	<b>Result</b>	<b>2,699,673.20</b>	
e-Fashion Dallas	Texas	1,970,034.20	
	<b>Result</b>	<b>1,970,034.20</b>	
e-Fashion New York Magnolia	New York	4,621,854.10	
	<b>Result</b>	<b>4,621,854.10</b>	
e-Fashion Colorado Springs	Colorado	2,060,275.20	
	<b>Result</b>	<b>2,060,275.20</b>	
e-Fashion Houston	Texas	2,303,182.80	
	<b>Result</b>	<b>2,303,182.80</b>	
e-Fashion New York 5th	New York	2,960,366.50	
	<b>Result</b>	<b>2,960,366.50</b>	



Application Planning Edit Layout Search View Tools Help

Components filter

Analytic Components (3)

- Dimension Filter
  - Filter Bar
  - Filter Panel

Outline

type filter text

- TEST
  - Data Sources
    - Vinay\_Benchmarking.efashion.tutorial/AN\_SA
    - Vinay\_Benchmarking.efashion.tutorial/AN\_SA
  - Planning Objects
  - Layout
    - TABSTRIP\_1
      - TAB\_1 - Pie
      - TAB\_2 - line

Pie line crosstab

STORE	STATE	AMOUNT_SOLD
e-Fashion Washington Tolbooth	DC	2,961,949.90
	<b>Result</b>	<b>2,961,949.90</b>
e-Fashion Chicago 33rd	Illinois	3,022,658.40
	<b>Result</b>	<b>3,022,658.40</b>
e-Fashion Houston Leighton	Texas	3,144,774.10
	<b>Result</b>	<b>3,144,774.10</b>
e-Fashion Los Angeles	California	4,220,928.80

140

674

500

350



The image shows a screenshot of the SAP BI Web Intelligence interface. In the foreground, a 'Select Dimensions' dialog box is open, allowing the user to choose dimensions for a filter panel. The dialog lists various dimensions such as QTR, FAMILY, CATEGORY, STATE, WEEK\_ID, CITY, ARTICLE, STORE, YR, SALE\_PRICE, MONTH\_NAME, and WEEK\_IN\_YEAR. The 'Remove' button is highlighted with a blue arrow. In the background, a search bar with the text 'Search' and a magnifying glass icon is visible, with a '140' label above it. To the right, the 'Properties' pane for the selected filter panel is shown, with the 'Dimensions' property highlighted by a blue arrow. The 'Additional Properties' pane below it is empty.

Properties	
General	
Name	FILTERPANEL_1
Type	Filter Panel
Vendor	SAP SE
Visible	true
Data Binding	
Data Source	DS_2
Target Data Source	
Display	
CSS Class	
Mode	Filtering
Dimensions	<all dimensions in default...>
Member Display	Text and key
Title	
Remove Redundant	false
Value Help	
Maximum Number of Values	100
Events	
On Apply	
Layout	
Additional Properties	No additional properties available.

Application Planning Edit Layout Search View Tools Help

Execute Locally Ctrl+F11

Send to Mobile Device (using QR Code®)

type filter text

Analytic Components (9)

- Crosstab
- Dimension Filter
- Filter Bar

Basic Components (20)

- Button
- Chart Type Picker
- Checkbox

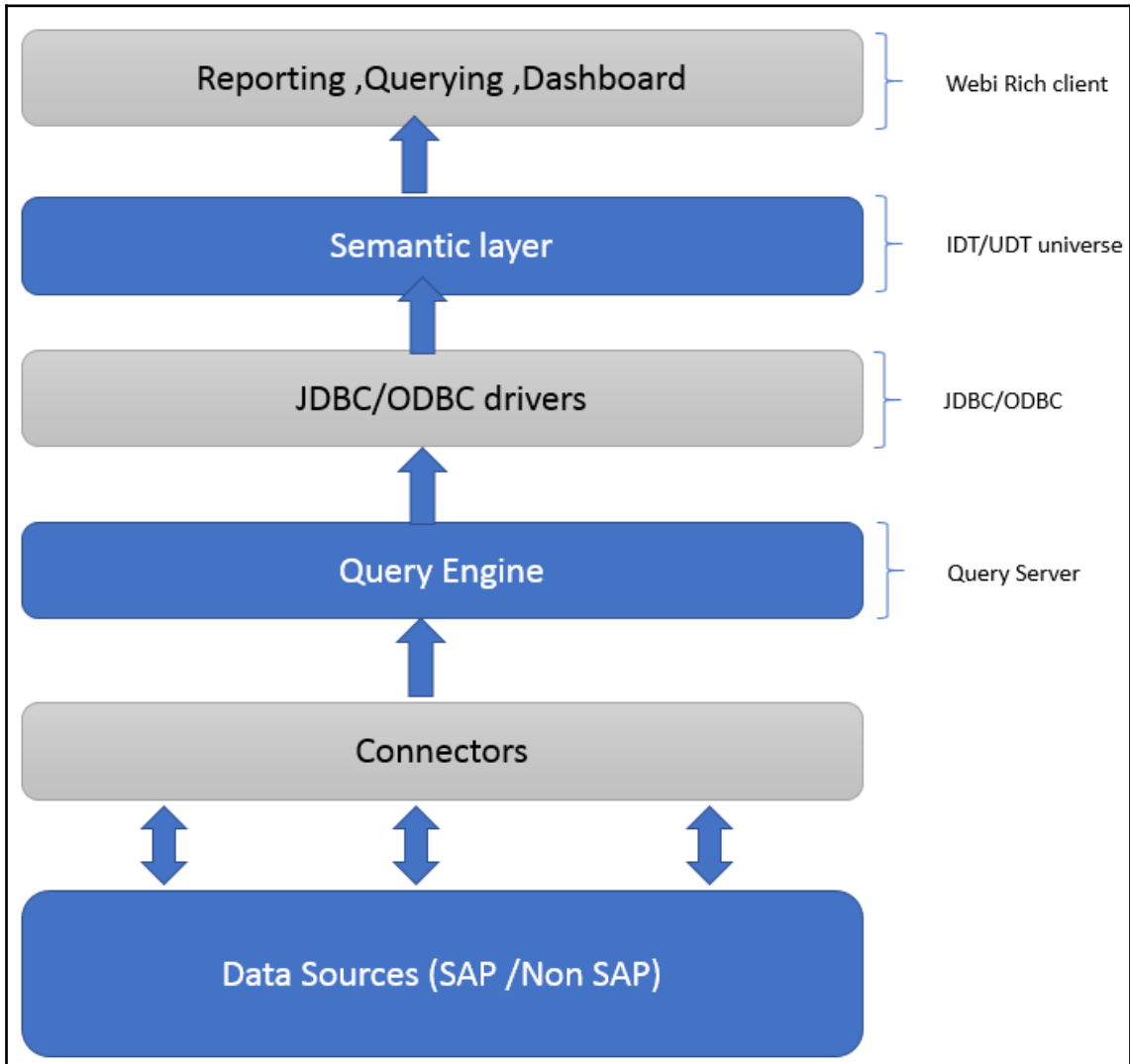
Container Components (6)

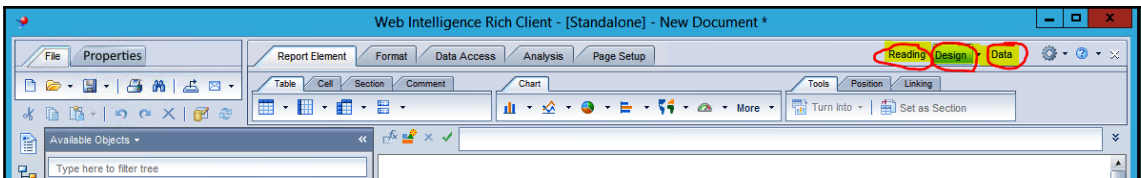
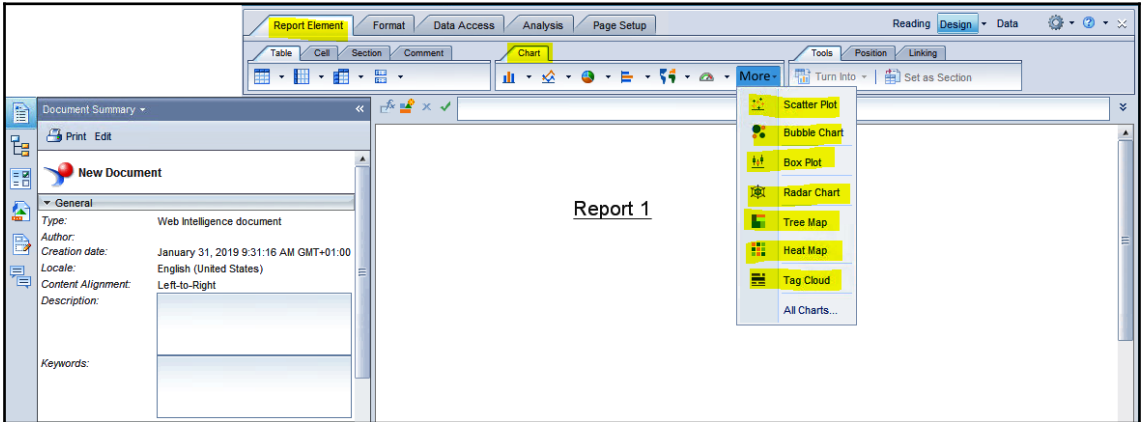
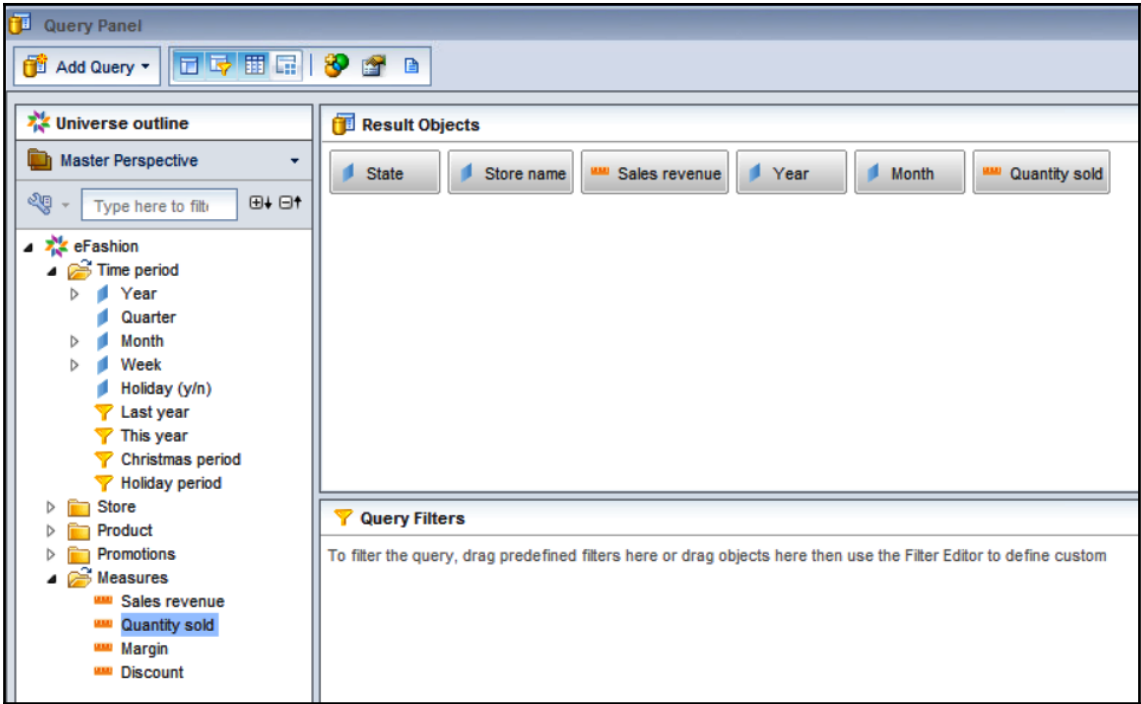
Pie line crosstab

STORE ▲	STATE ▲
e-Fashion Washington Tolbooth	DC
	<b>Result</b>
e-Fashion Chicago 33rd	Illinois
	<b>Result</b>
e-Fashion Houston Leighton	Texas
	<b>Result</b>
e-Fashion Los Angeles	California
	<b>Result</b>

---

## Chapter 4: SAP BusinessObject Web Intelligence





---

# SAP BusinessObjects

## BI launch pad

**Enter your user information, and click "Log On".**

If you are unsure of your account information, contact your system administrator.

System:

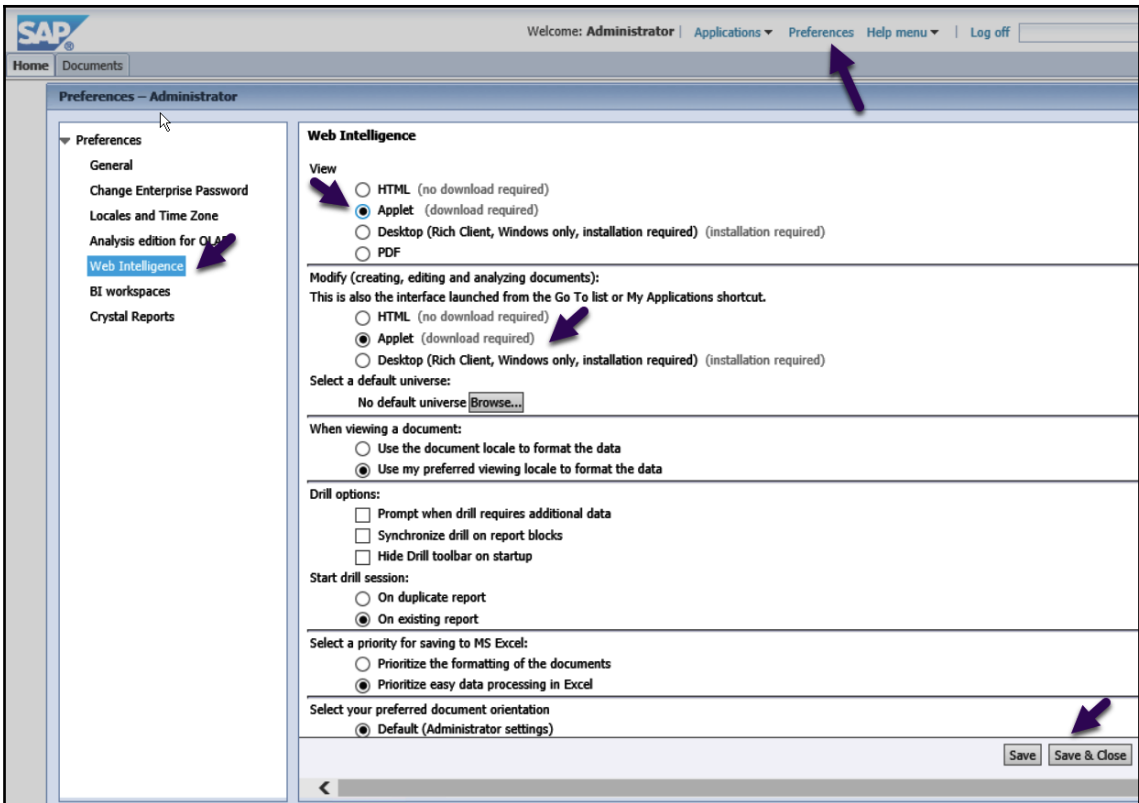
User Name:

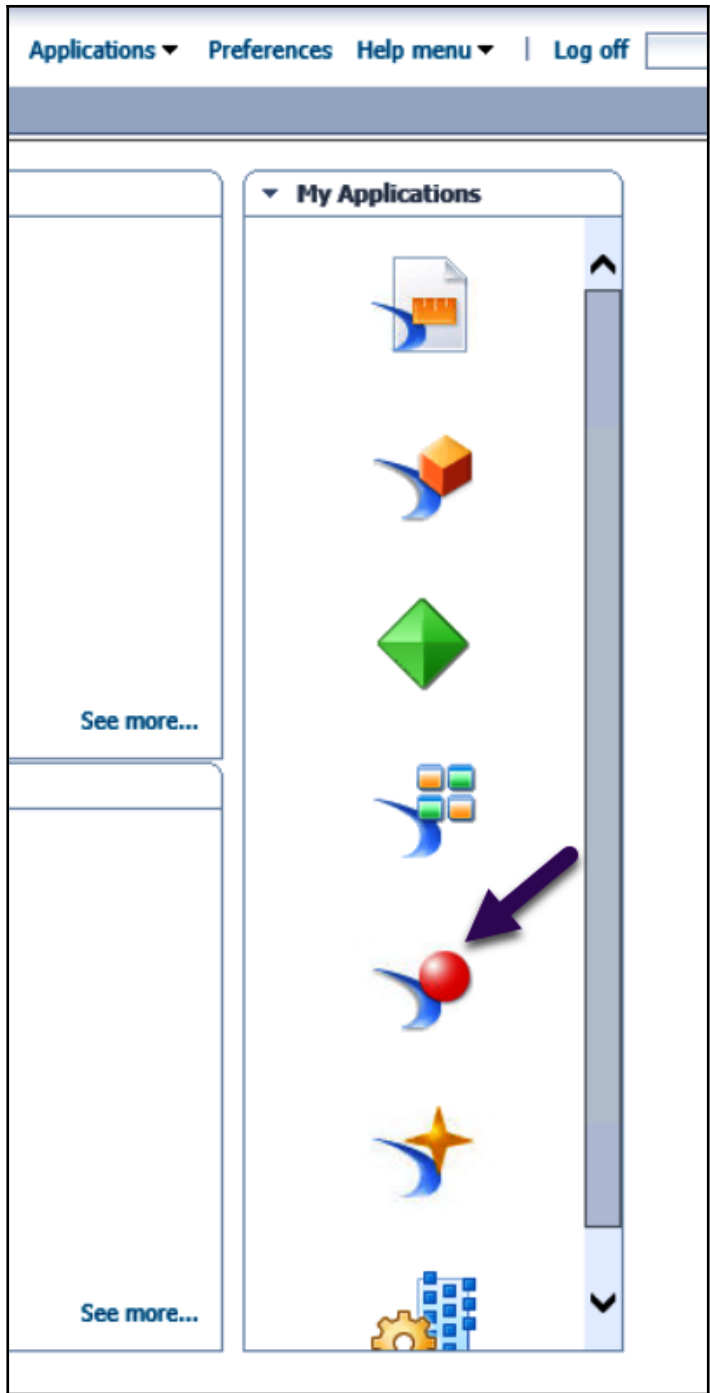
Password:

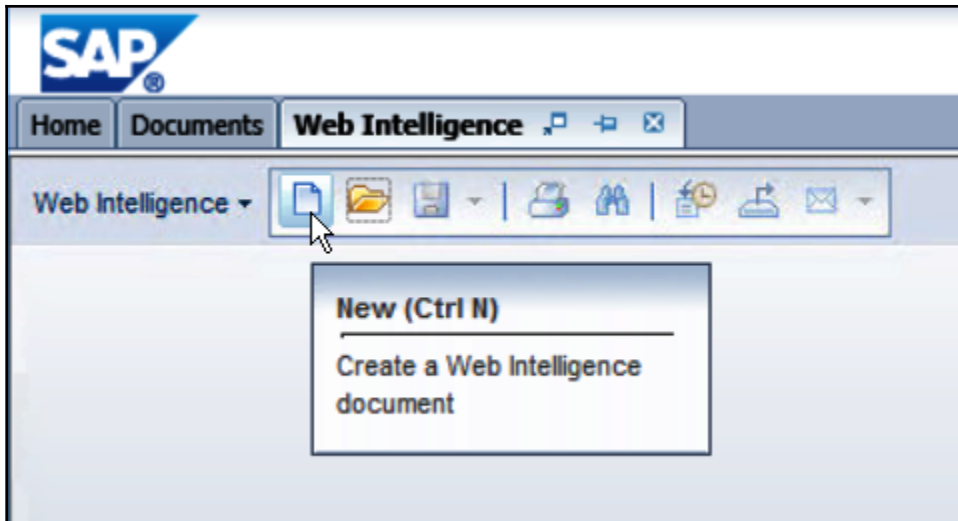
[Log On](#)



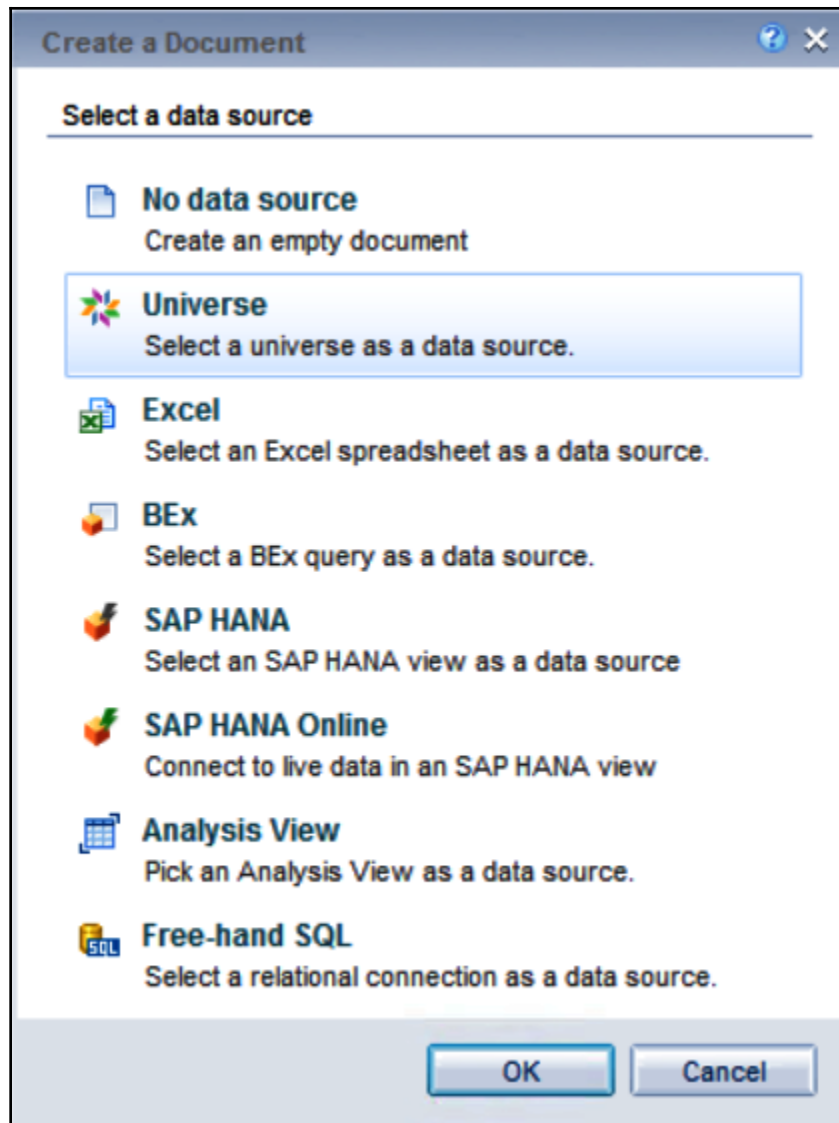
[Help](#)











**Universe** ? X

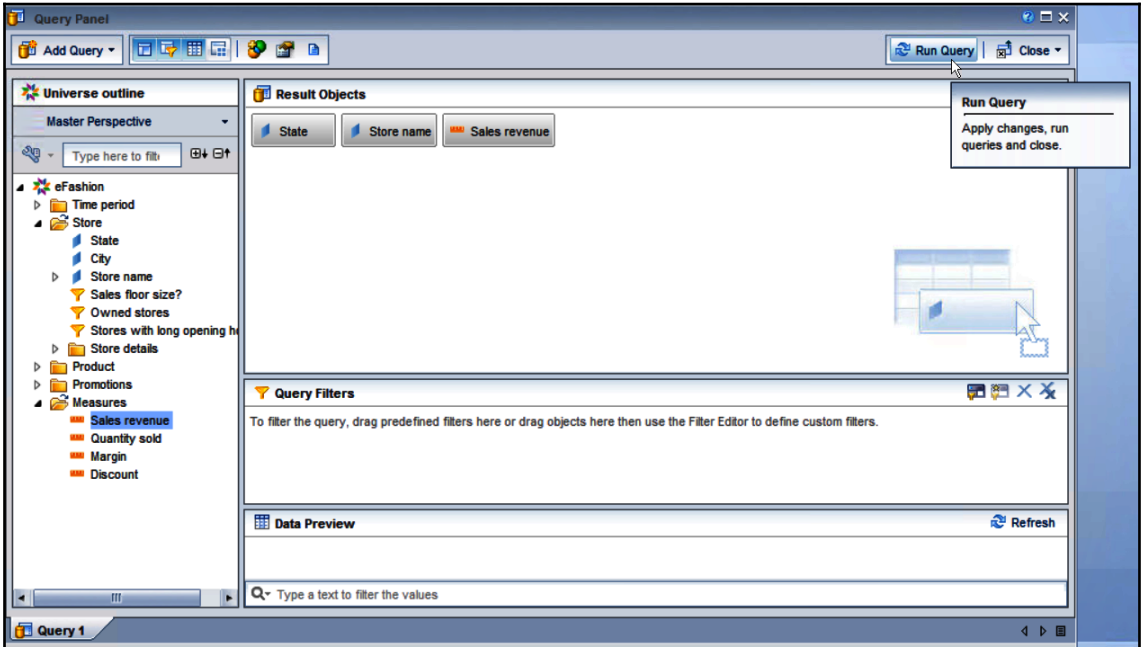
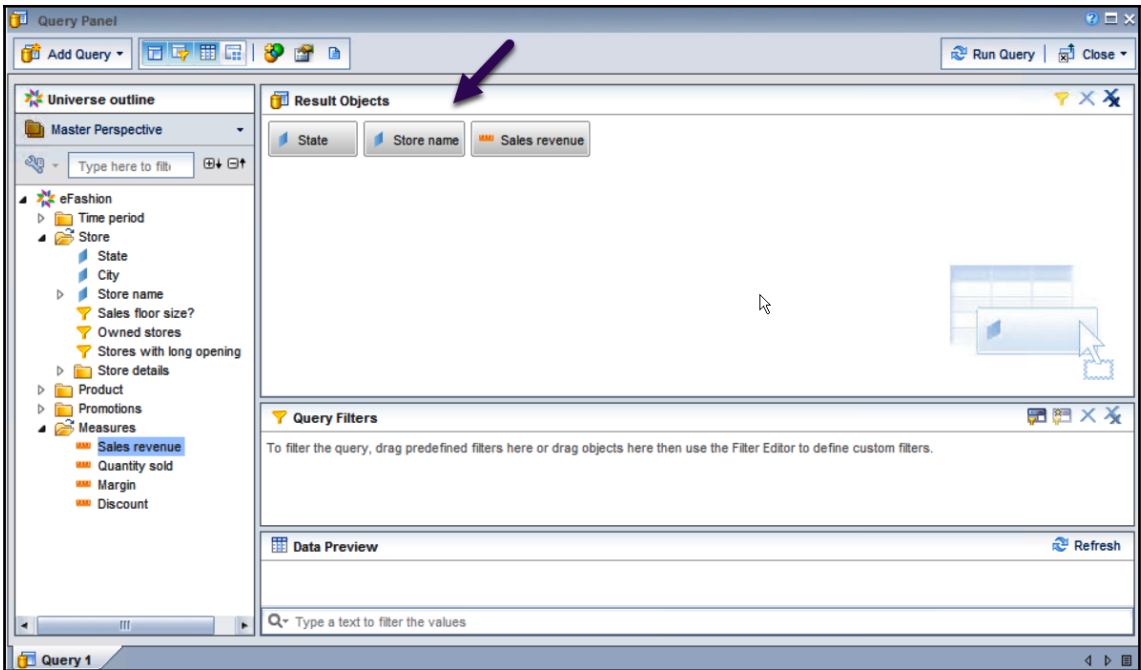
Select a universe for the query.

**Available Universes:** Refresh universe list

State	Name	Revision	Folder
	eFashion	129	@wdfibmt5073.wdf.sap.corp_6400\
	eFashion	129	@wdfibmt5073.wdf.sap.corp_6400\Samples
	eFashion.unx	1	@wdfibmt5073.wdf.sap.corp_6400\Samples
	Monitoring TrendData Universe	7	@wdfibmt5073.wdf.sap.corp_6400\Monitoring Trend
	Report Conversion Tool Audit Universe	12	@wdfibmt5073.wdf.sap.corp_6400\Report Conversi
	Warehouse.unx	10	@wdfibmt5073.wdf.sap.corp_6400\

**Help on selected universe:**

eFashion retail Data Warehouse created 14 Oct 1998.  
Updated 3 April 2002. 89,000+ row fact table.



SAP Welcome: Administrator

Report Element | Format | Data Access | Analysis | Page Setup

Report | Rename Report | Move Report | Page | Header | Footer | Scale To Page | Margins | Display

sales revenue report | Portrait | A4 | Width: Automatic | Height: Automatic

Available Objects

- New Document
  - State
  - Store name
  - Sales revenue
  - Variables
  - References

State	Store name	Sales revenue
California	e-Fashion Lo	\$4,220,929
California	e-Fashion Sa	\$3,258,641
Colorado	e-Fashion Cc	\$2,060,275
DC	e-Fashion Wt	\$2,961,950
Florida	e-Fashion Mi	\$1,879,159
Illinois	e-Fashion Ch	\$3,022,658
Massachusett	e-Fashion Bo	\$1,283,707
New York	e-Fashion Ne	\$2,960,367
New York	e-Fashion Ne	\$4,621,854
Texas	e-Fashion Au	\$2,699,673
Texas	e-Fashion Da	\$1,970,034
Texas	e-Fashion Hc	\$2,303,183
Texas	e-Fashion Hc	\$3,144,774

Query Panel

Add Query

Universe outline

Master Perspective

Available Objects

- New Document
  - State
  - Store name
  - Sales revenue
  - Variables
  - References

eFashion

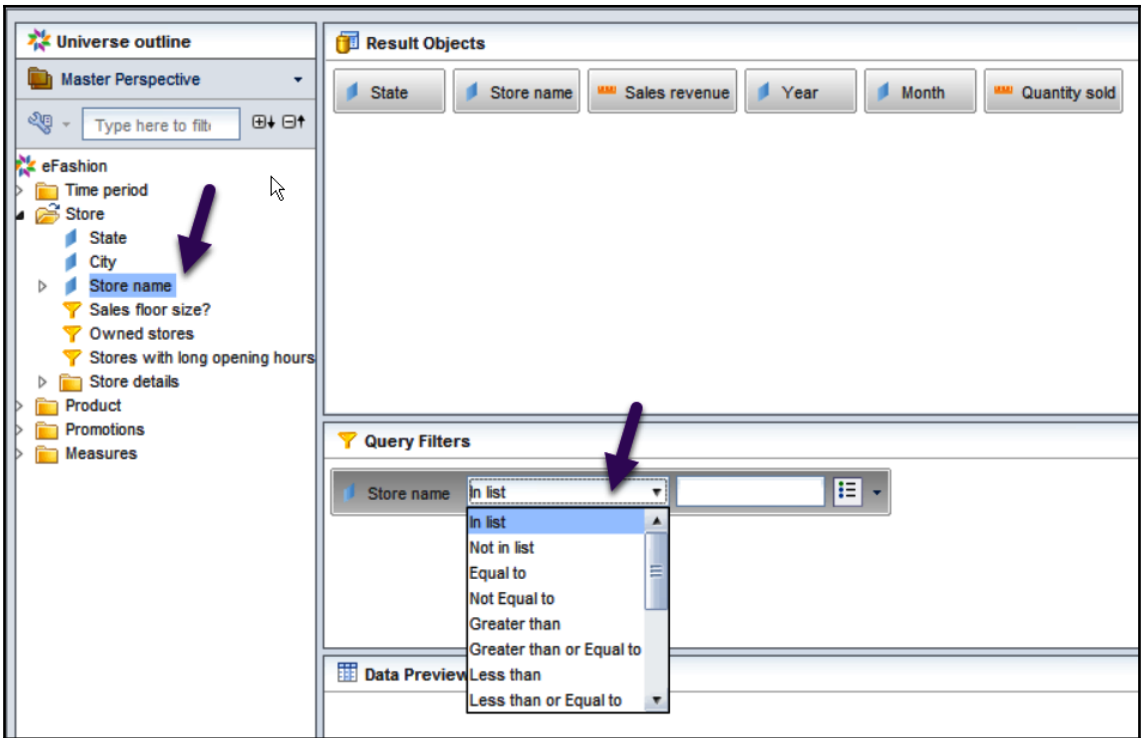
- Time period
  - Year
  - Quarter
  - Month
  - Week
  - Holiday (y/n)
    - Last year
    - This year
    - Christmas period
    - Holiday period
- Store
- Product
- Promotions
- Measures
  - Sales revenue
  - Quantity sold
  - Margin
  - Discount

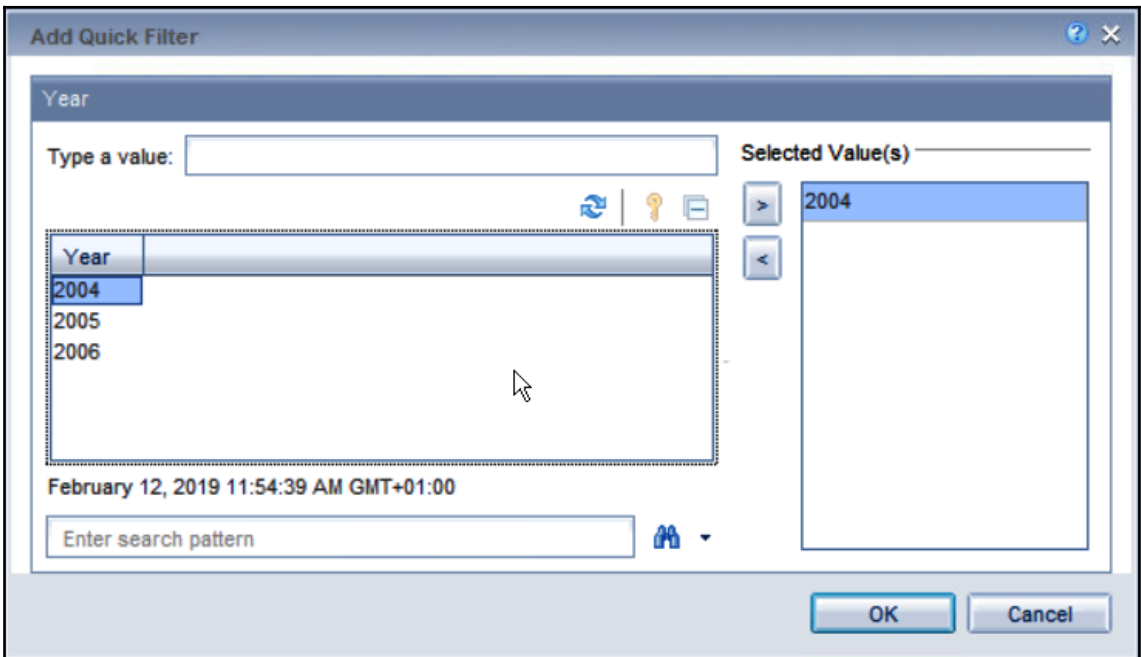
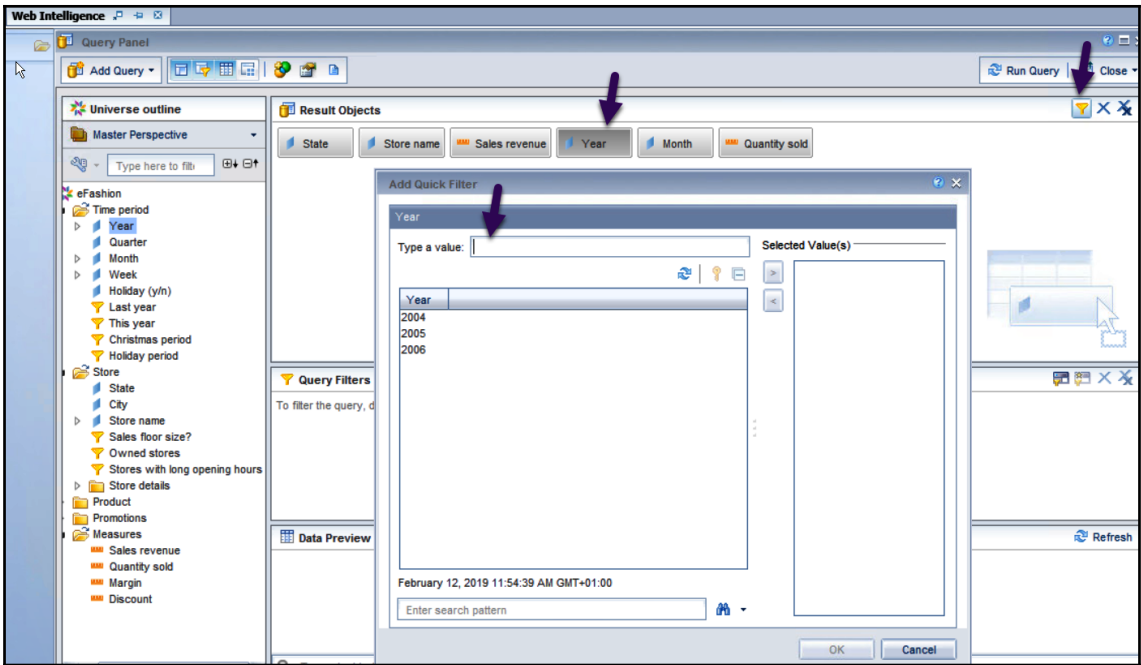
Result Objects

State | Store name | Sales revenue | Year | Month | Quantity sold

Query Filters

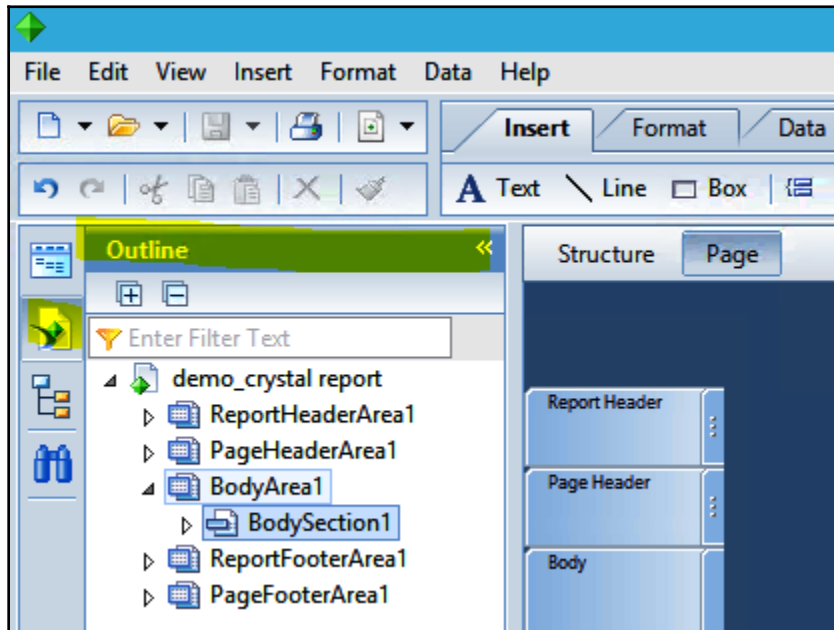
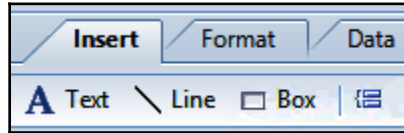
To filter the query, drag predefined filters here or drag objects here then use the Filter Editor to define custom

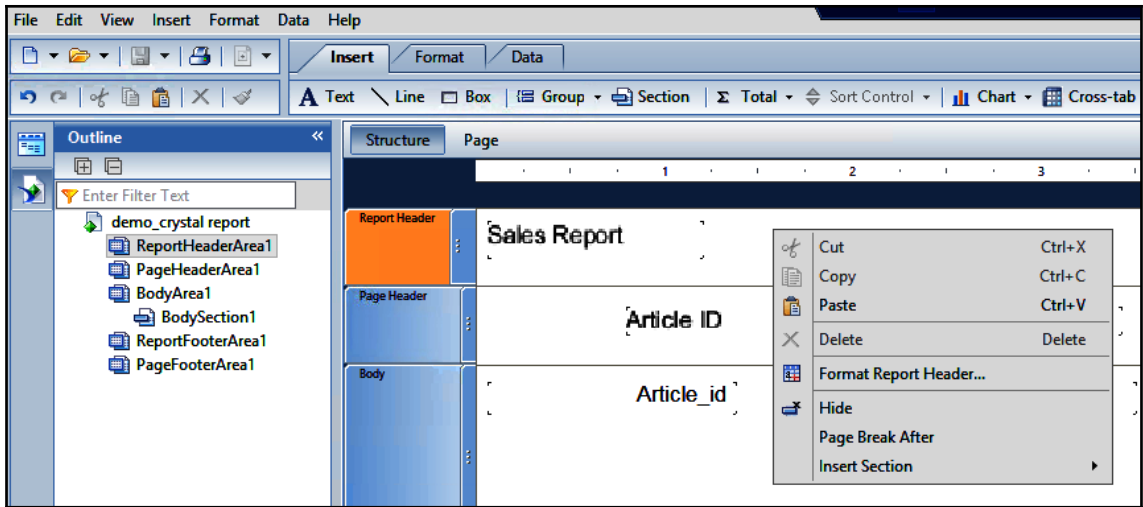




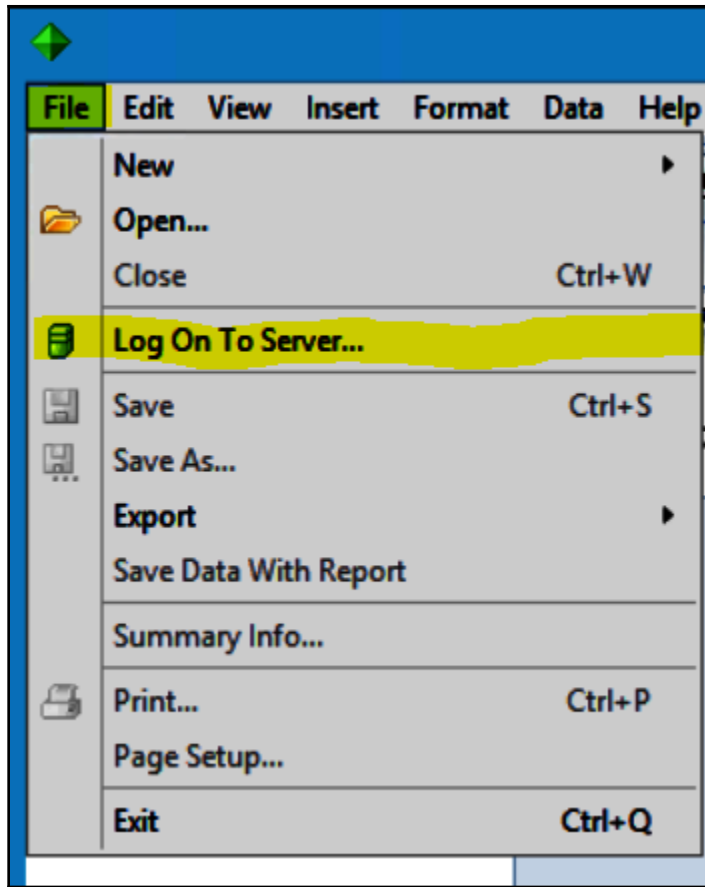
---

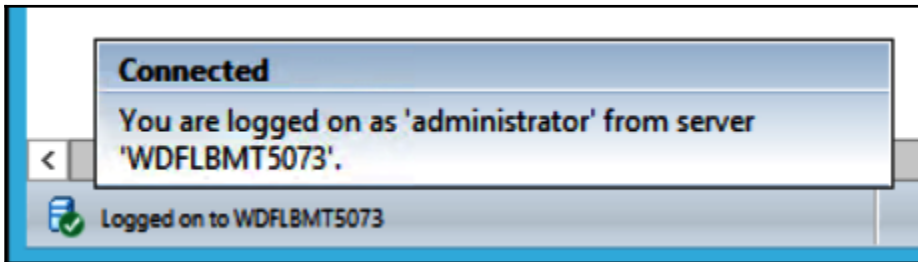
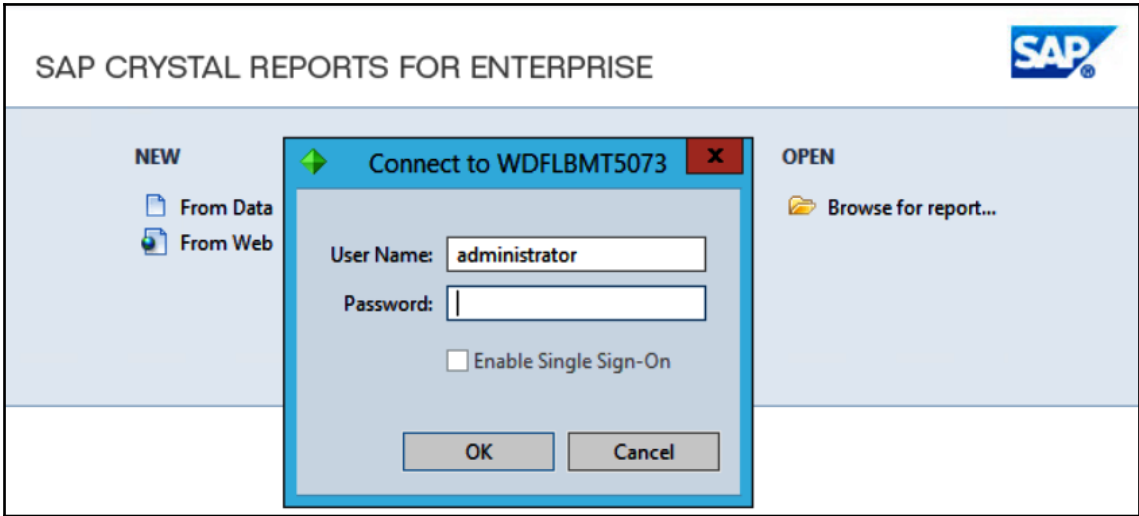
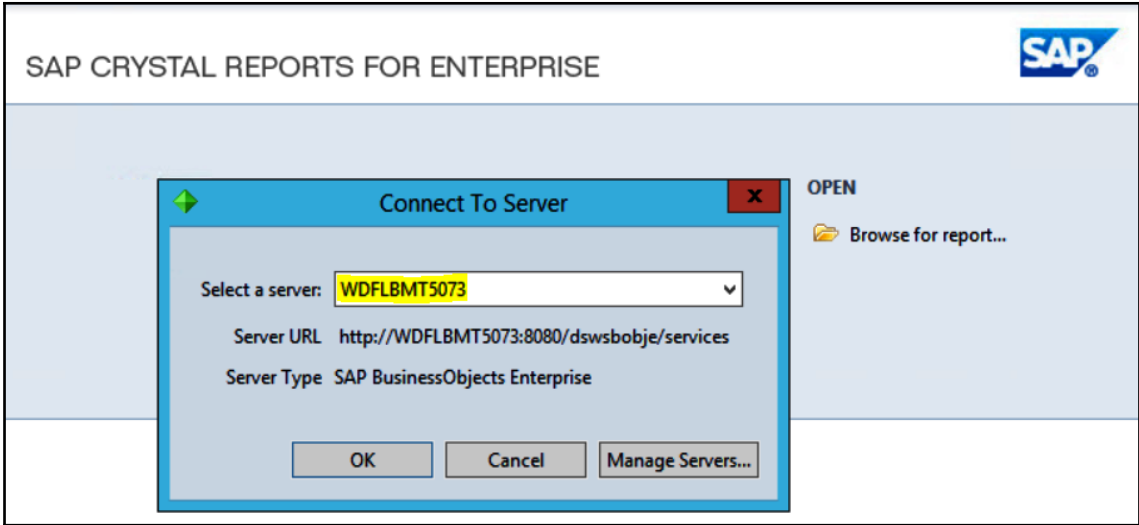
# Chapter 5: SAP BusinessObject Crystal Reports

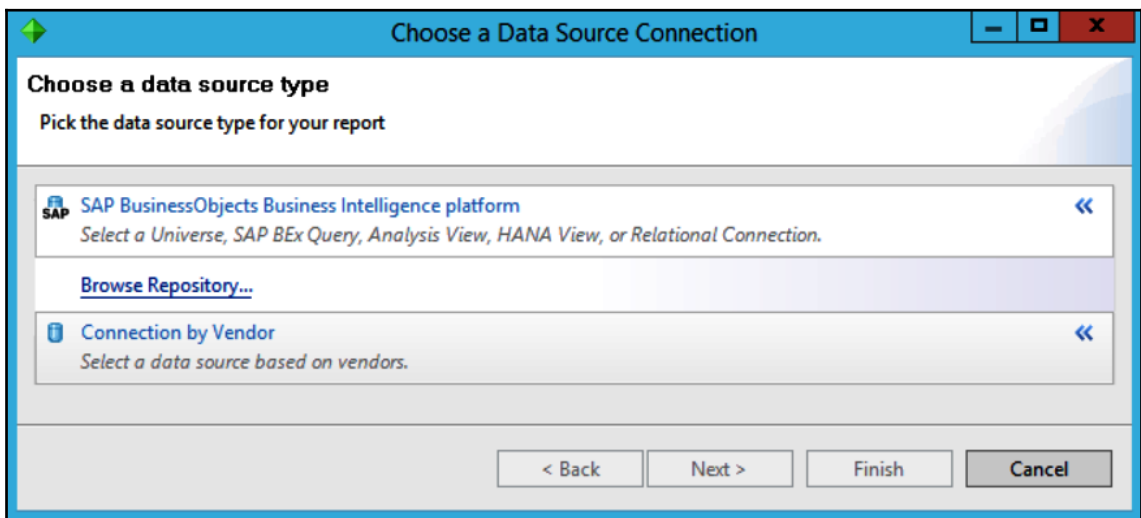
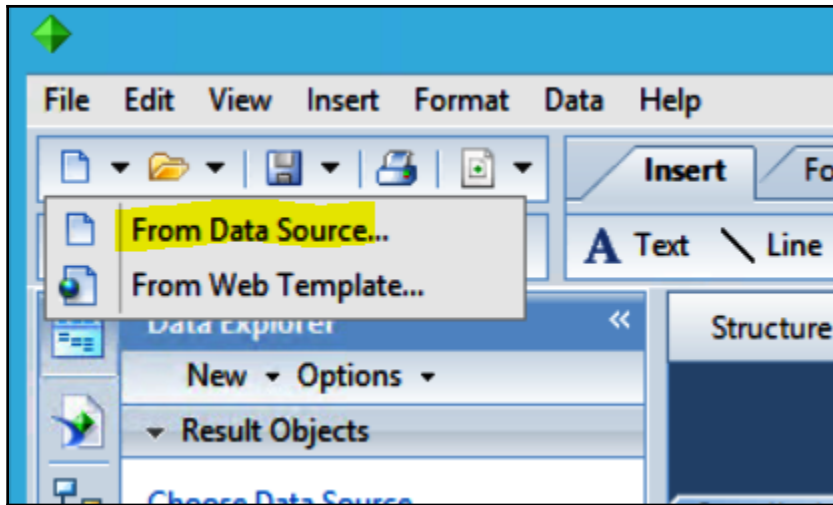


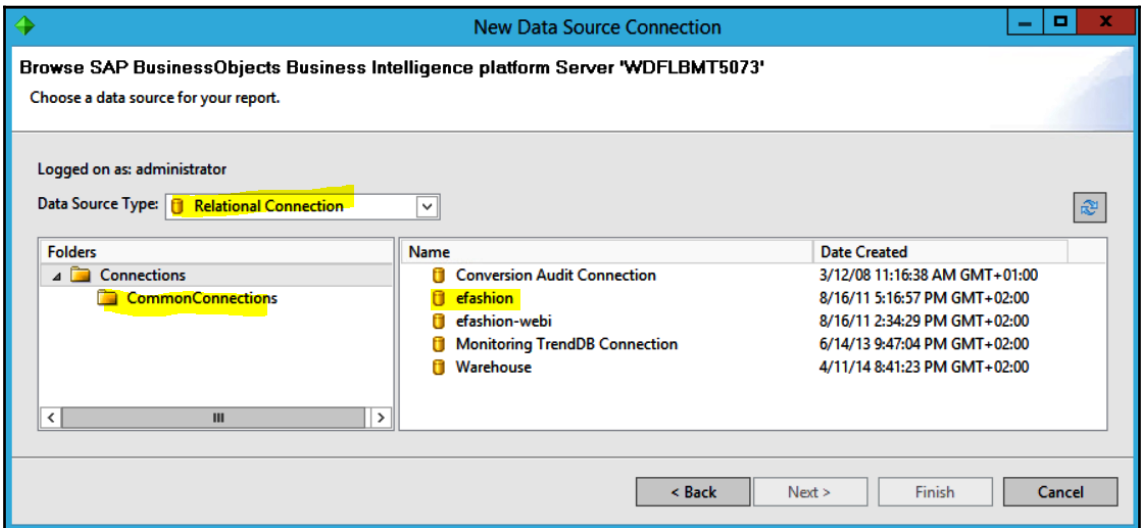
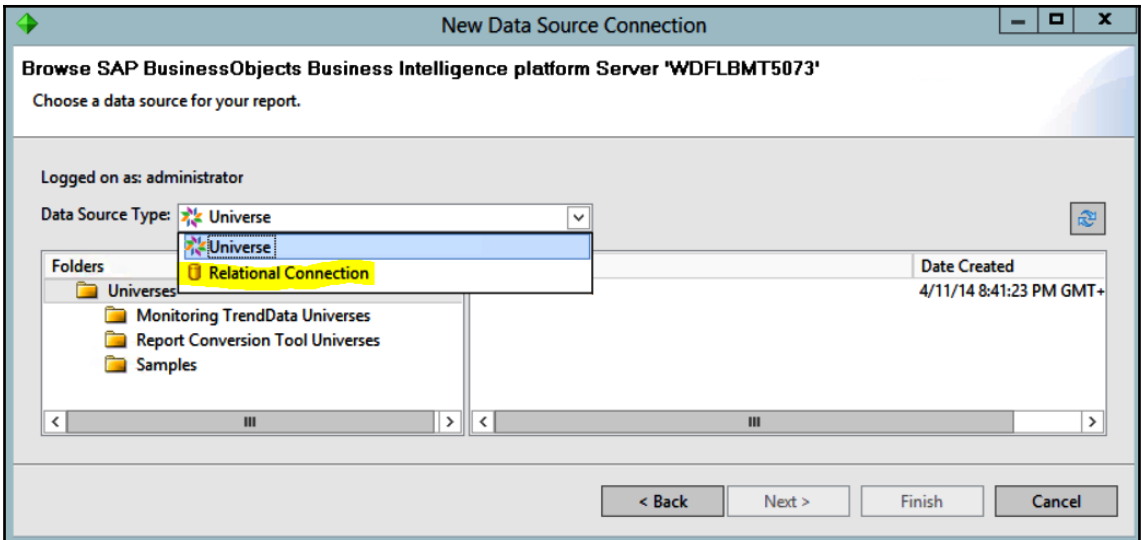


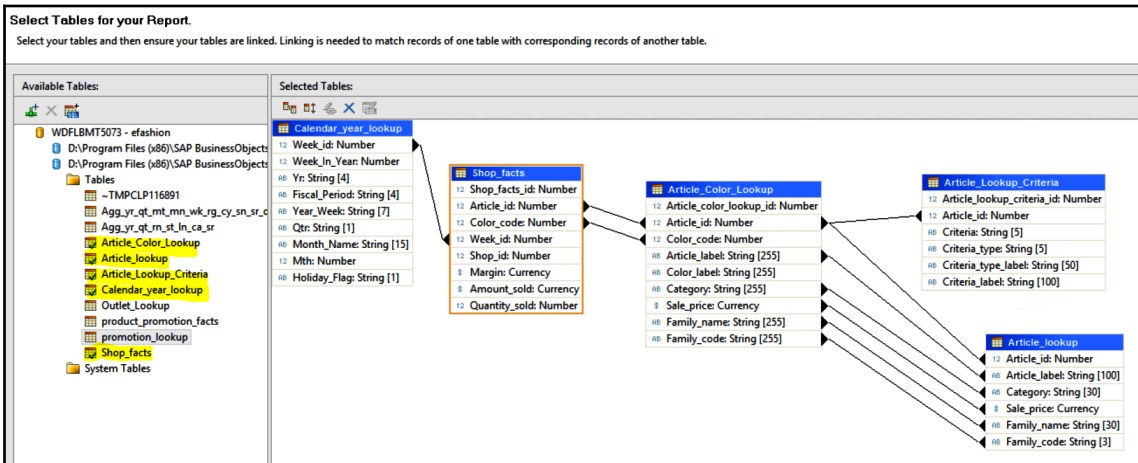
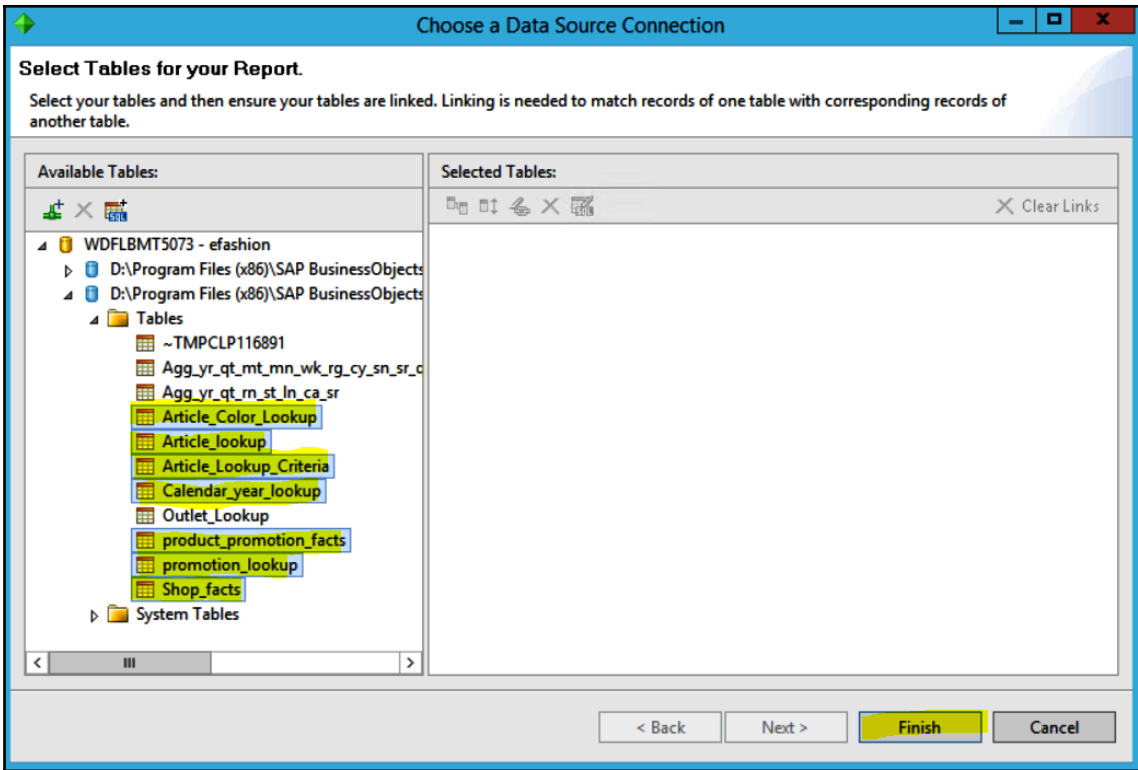


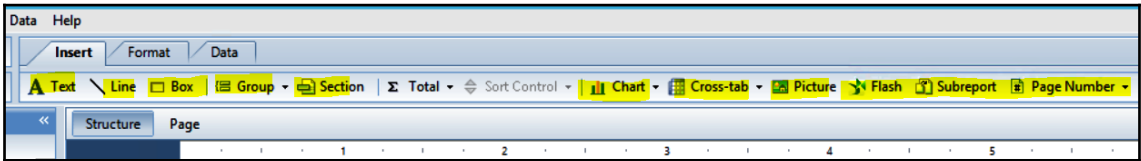
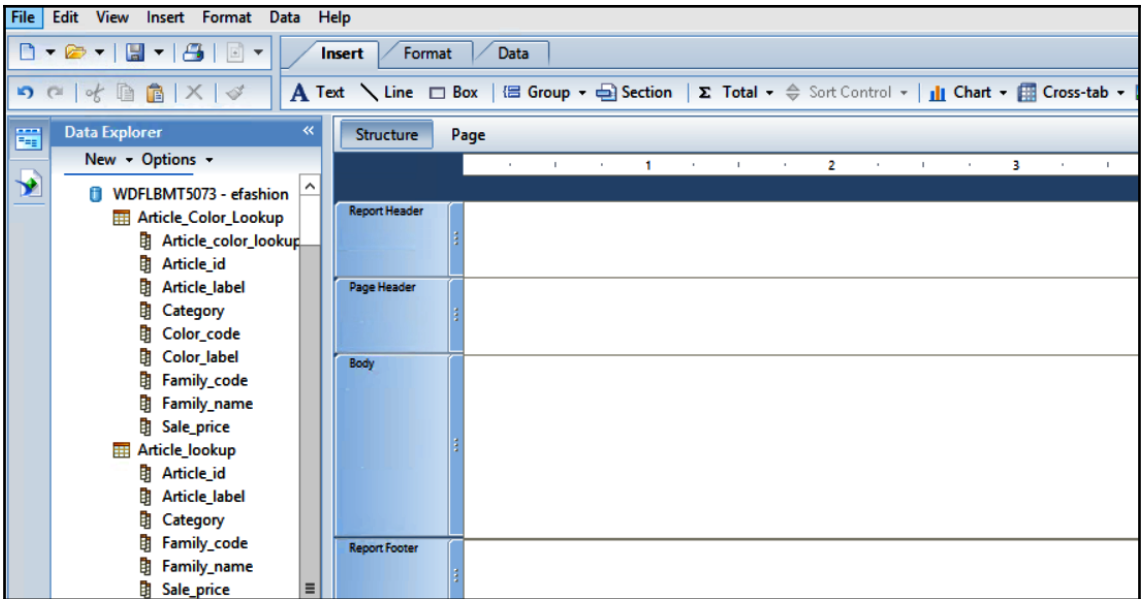


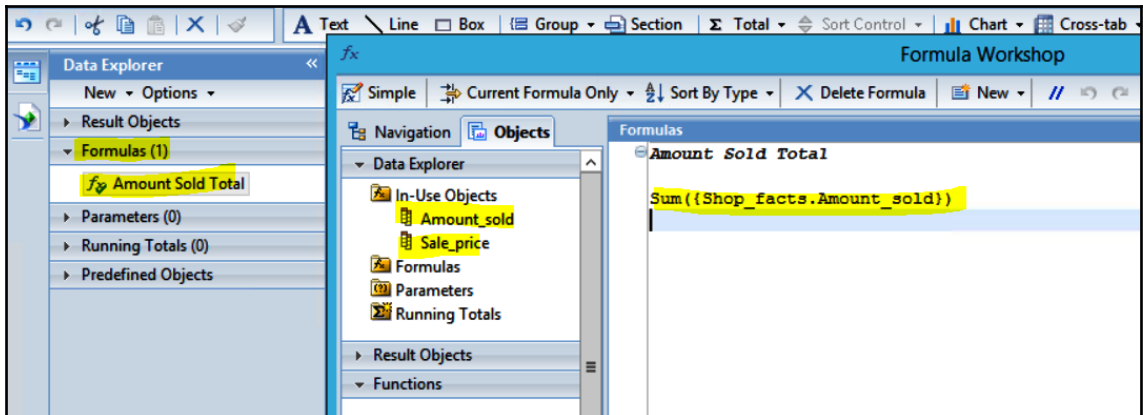
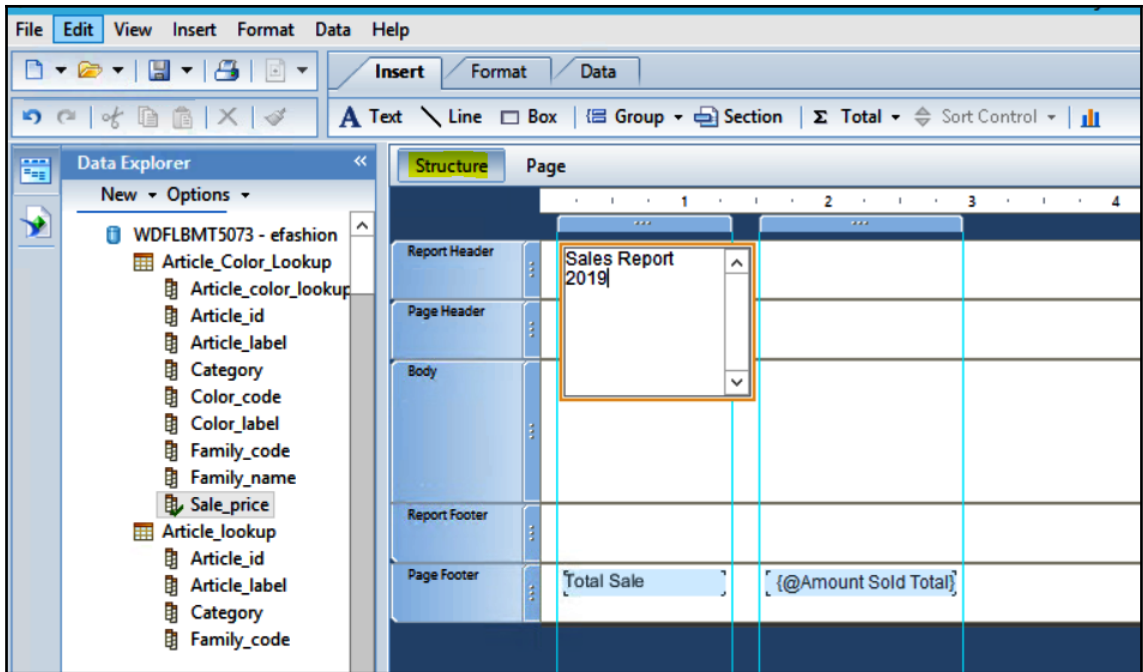


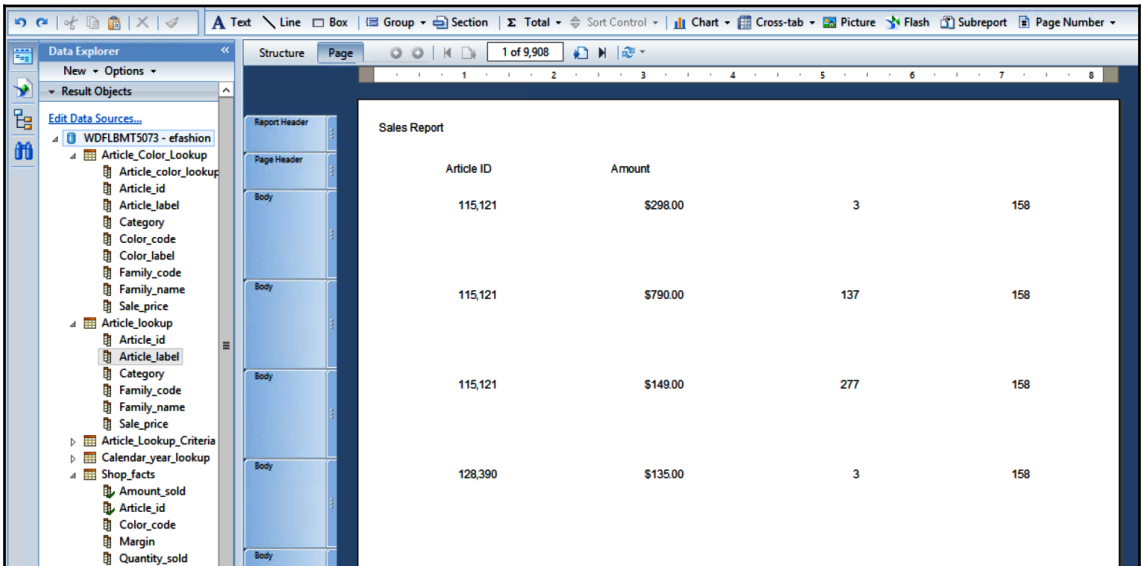
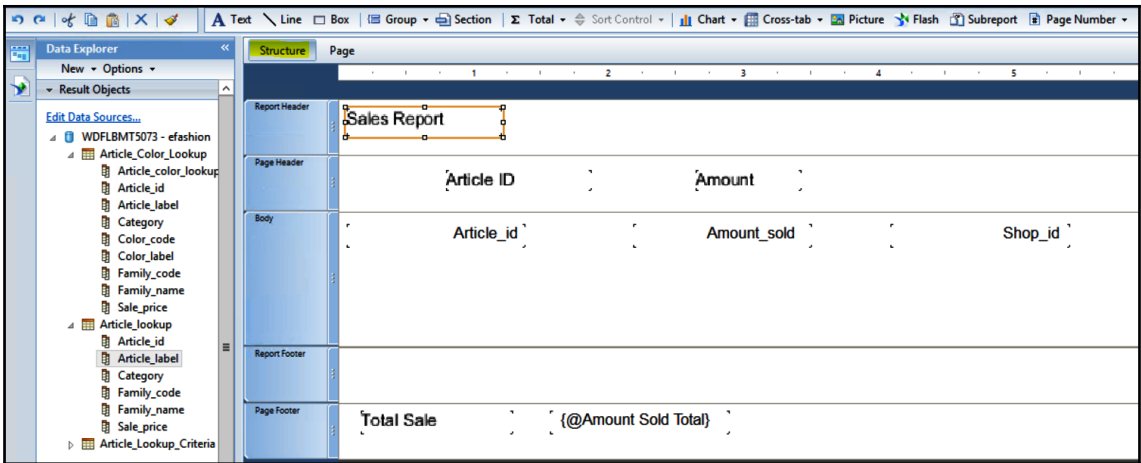




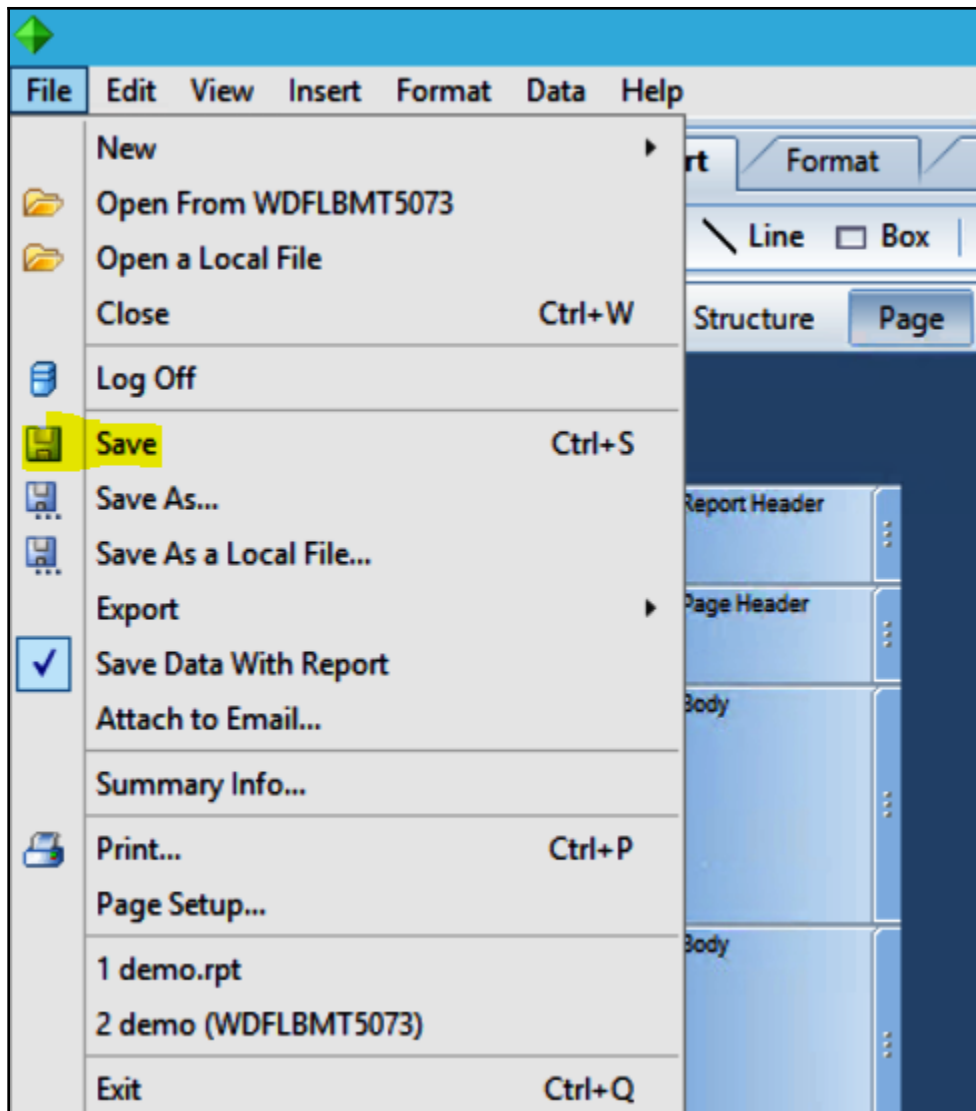












Logged on as: administrator

The screenshot shows a file explorer window with a folder tree on the left and a table of documents on the right. The folder tree includes 'All Folders', 'My Folders', 'Inbox', 'My Favorites', and 'Public Folders'. The table has columns for 'Document', 'Date Created', 'Parameter Values', and 'File Size'. A single document named 'demo' is listed with a creation date of '2/5/19 9:27:44 PM GMT+...' and a size of '689 KB'. At the bottom, there is a 'Display Name' field containing 'demo' and 'Save' and 'Cancel' buttons.

Document	Date Created	Parameter Values	File Size
demo	2/5/19 9:27:44 PM GMT+...		689 KB

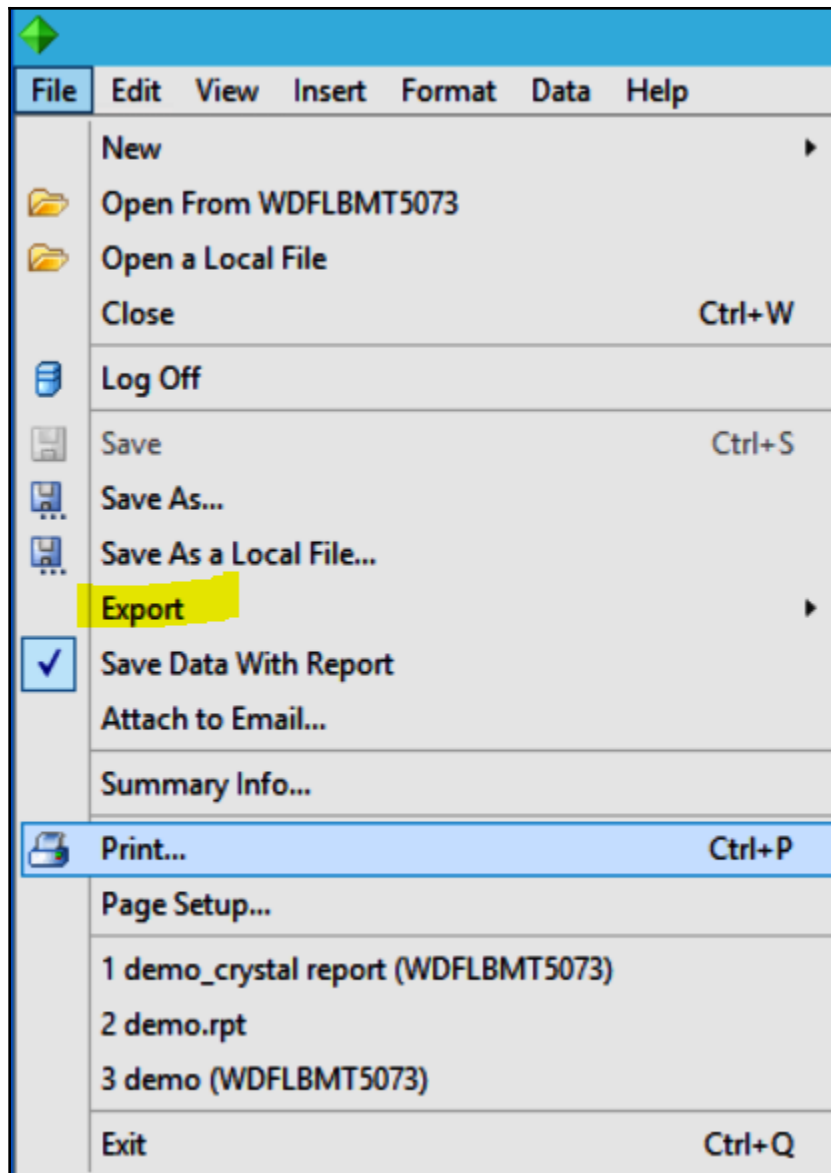
Display Name:  Save Cancel

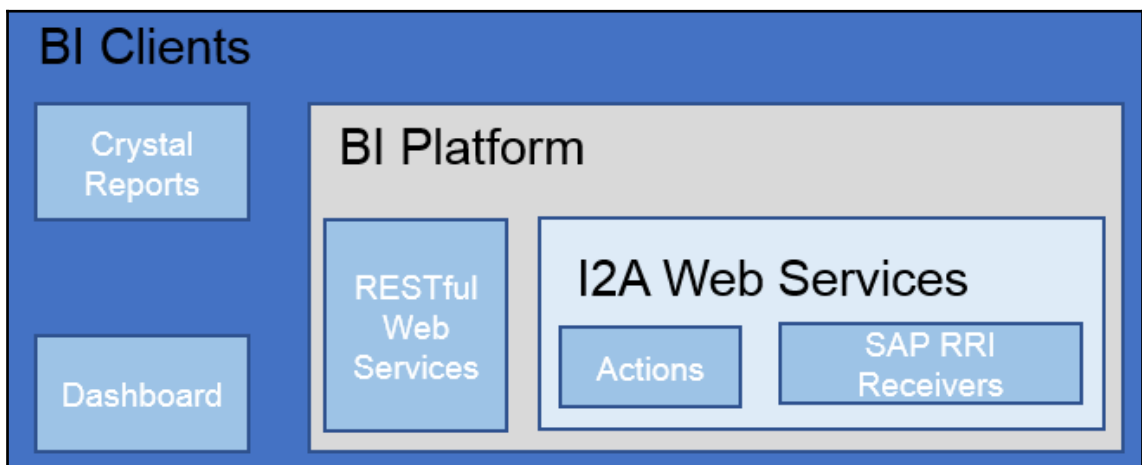
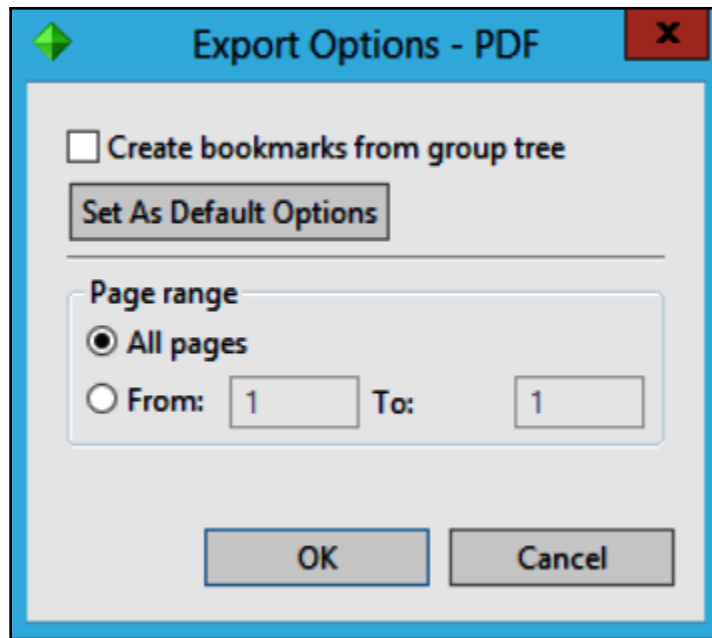
### Report Contains Saved Data

This report is being saved with data. Users will be able to view the data saved with the report, regardless of any security profiles set on the data source. Are you sure?

Don't show this message again

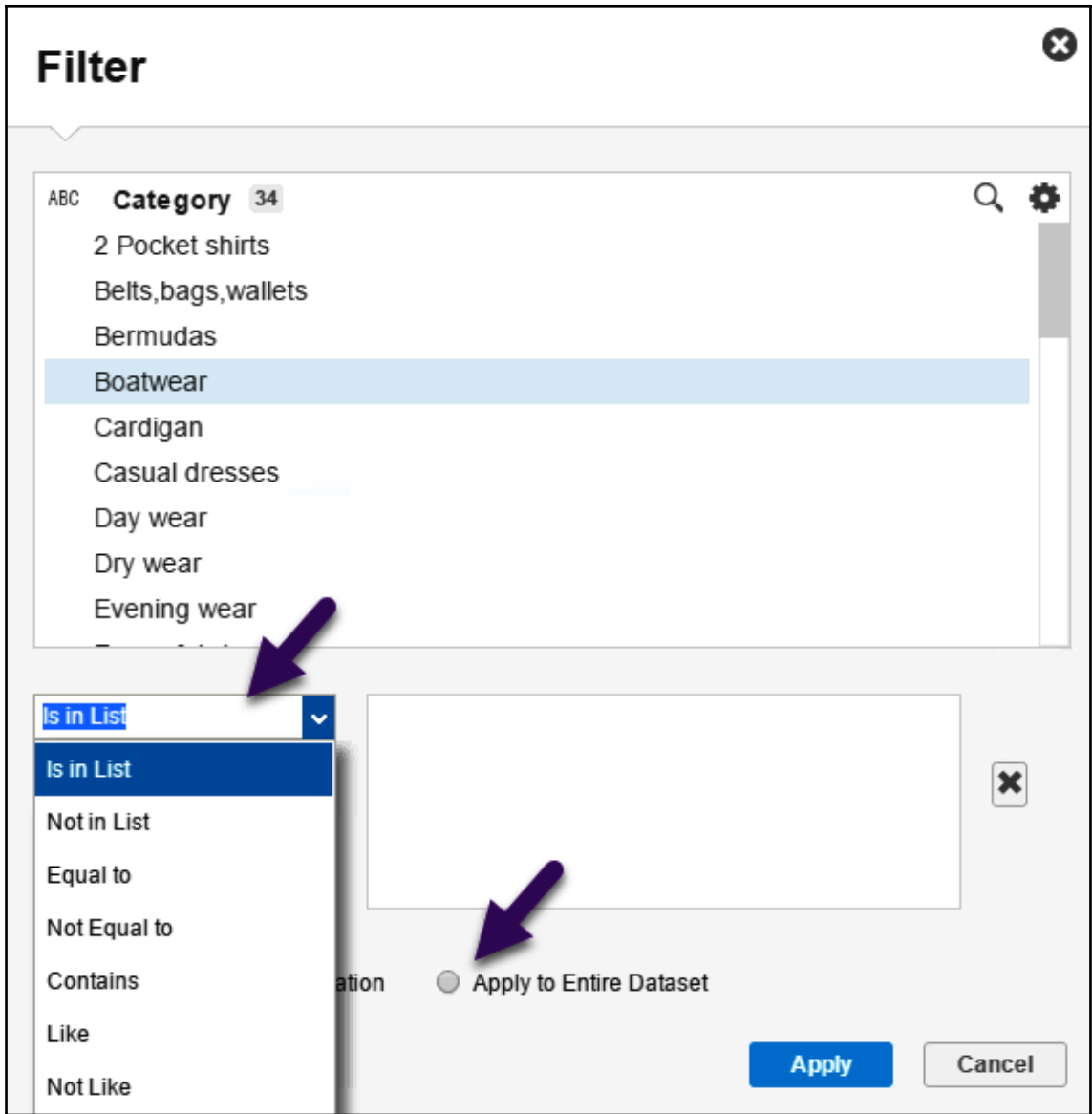
Discard Saved Data Save with Data

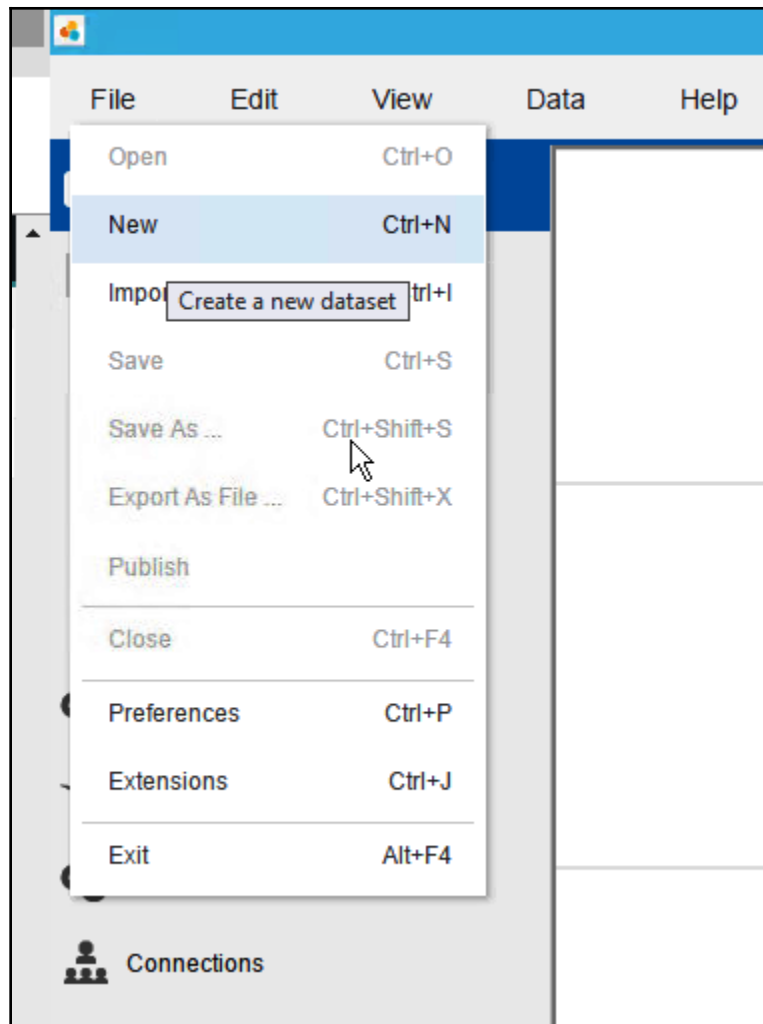




# Chapter 6: SAP BusinessObject SAP Lumira

ASURES 2		
Quantity sold	Sum	
Sales revenue	Sum	
State	Year	Store name
ABC	ABC	ABC
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California		s Angeles
California	2004	e-Fashion Los Angeles
California	2004	e-Fashion Los Angeles
California	2004	e-Fashion Los Angeles







## Add new dataset

### Select a Source:



#### Text

Load a text file (\*.csv;\*.txt,\*.log,\*.prn,\*.tsv) as a dataset



#### Copy from Clipboard

Copy from Clipboard



#### Connect to SAP HANA

Connect to data in an SAP HANA View



#### Download from SAP HANA

Download data from an SAP HANA view as a dataset



#### Download from SAP Business Warehouse

Download data from SAP BW as a dataset



#### SAP Universe Query Panel

Use Advanced Query Capabilities to access UNX Universes



#### Query with SQL

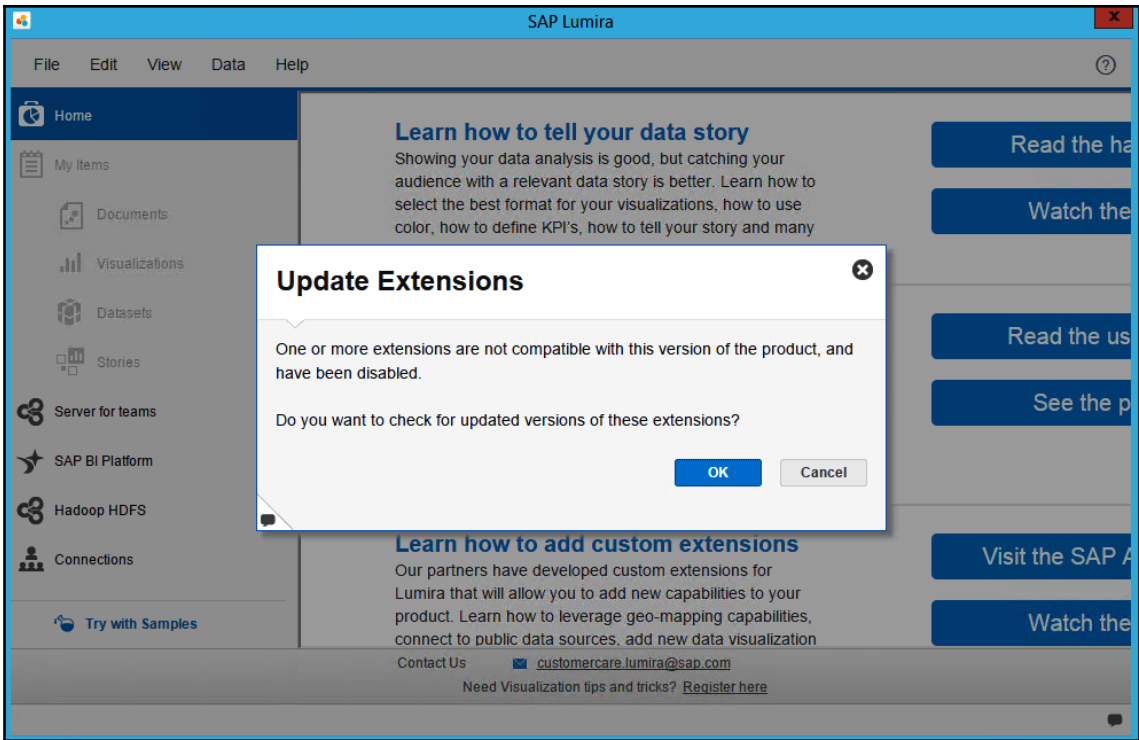
Run freehand SQL on a database to download a dataset

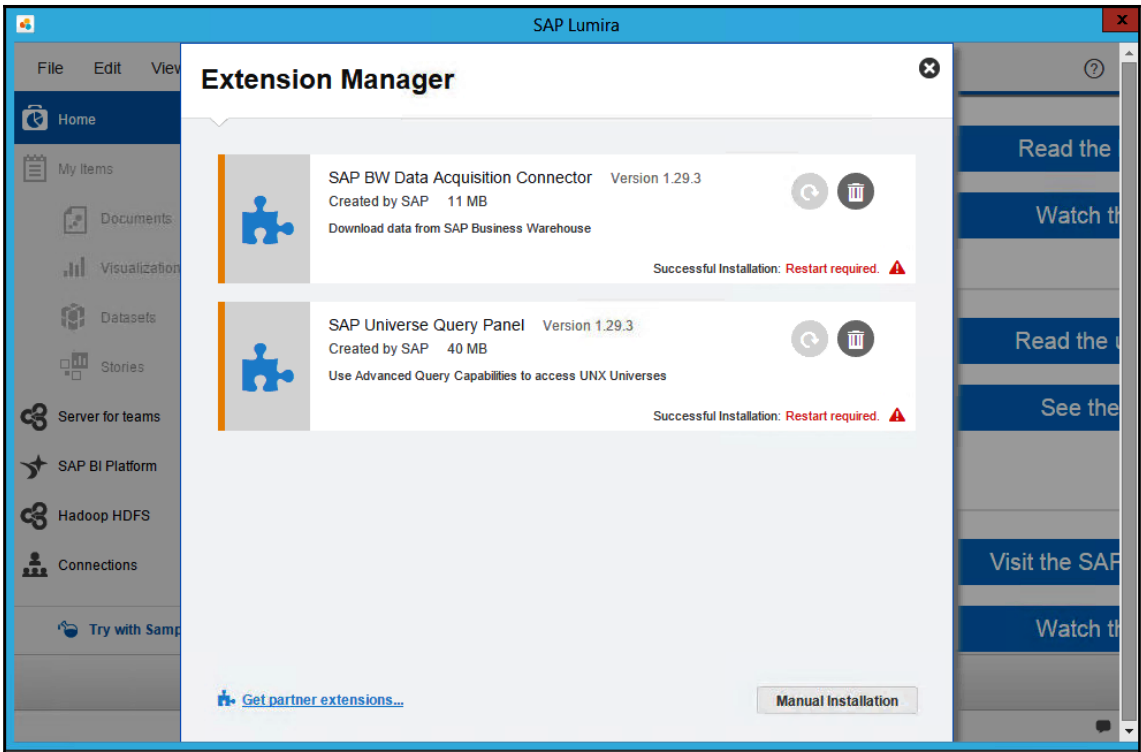


#### Connect to Hadoop

Load HDFS files as a Data Set







**SAP Universe Query Panel** ✕

**Universe credentials**

System  ▼

User Name

Password

Save Password

Authentication Type  ▼

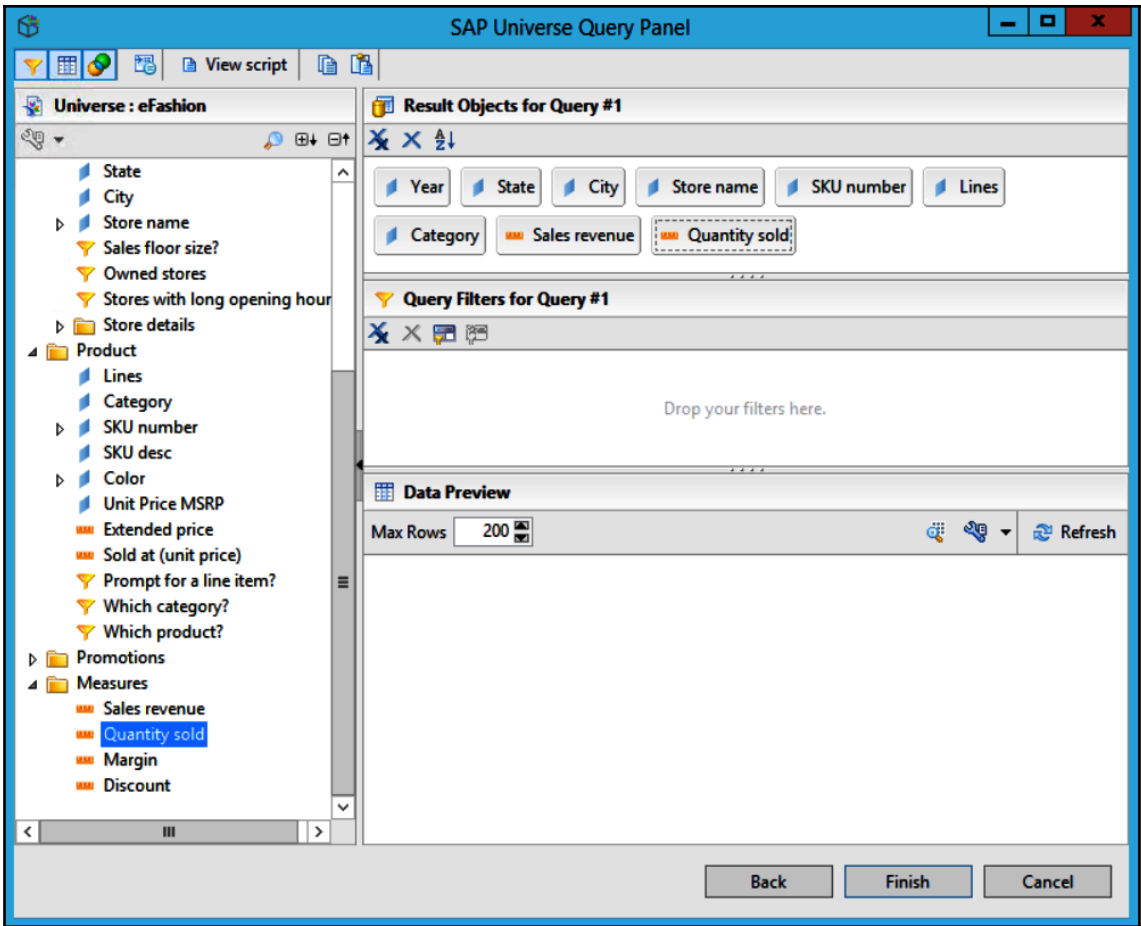
**SAP Universe Query Panel** ✕

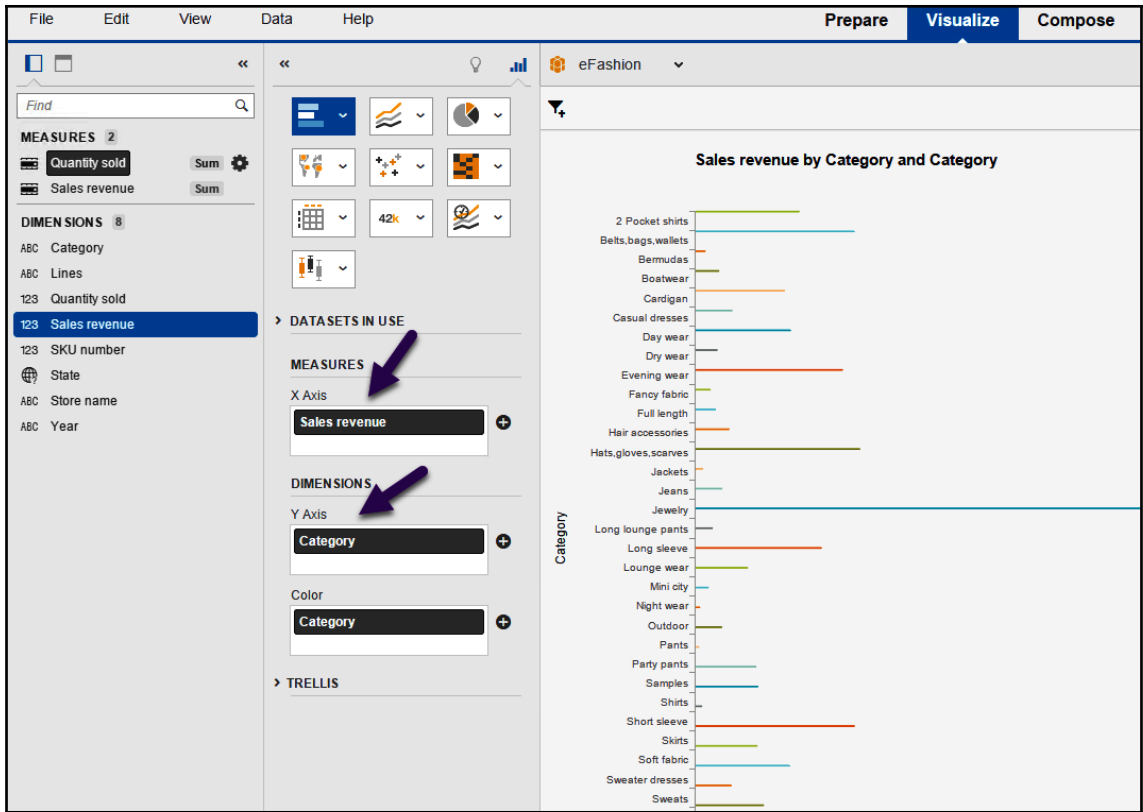
**Select a Universe**

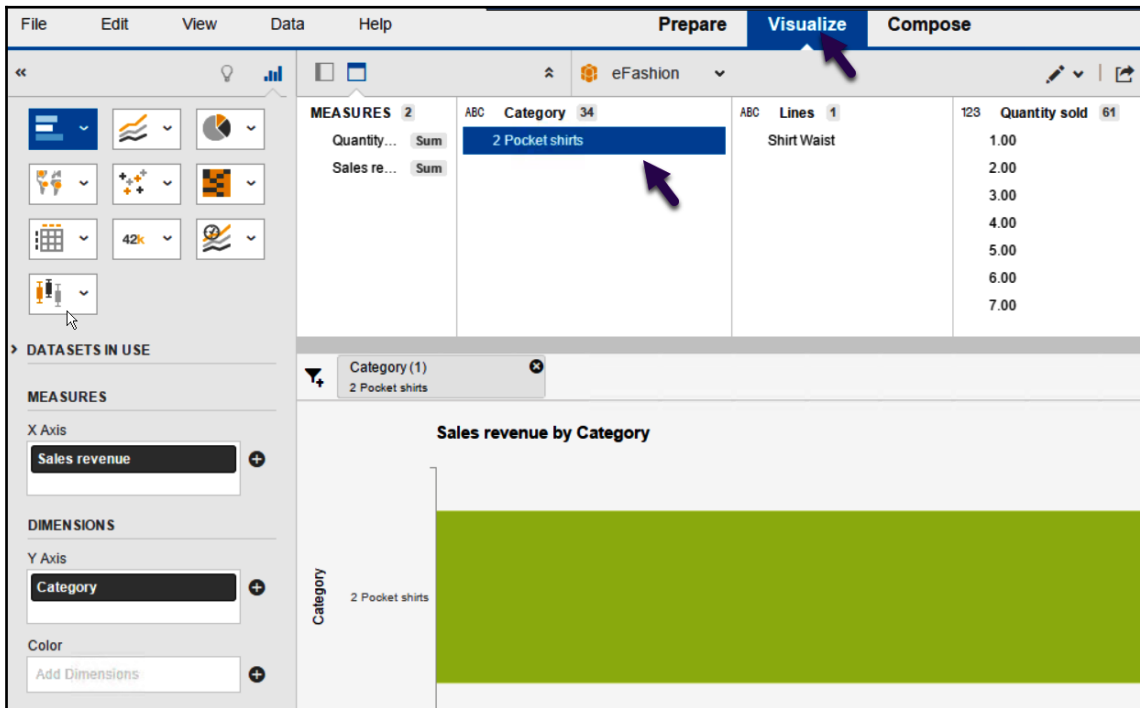
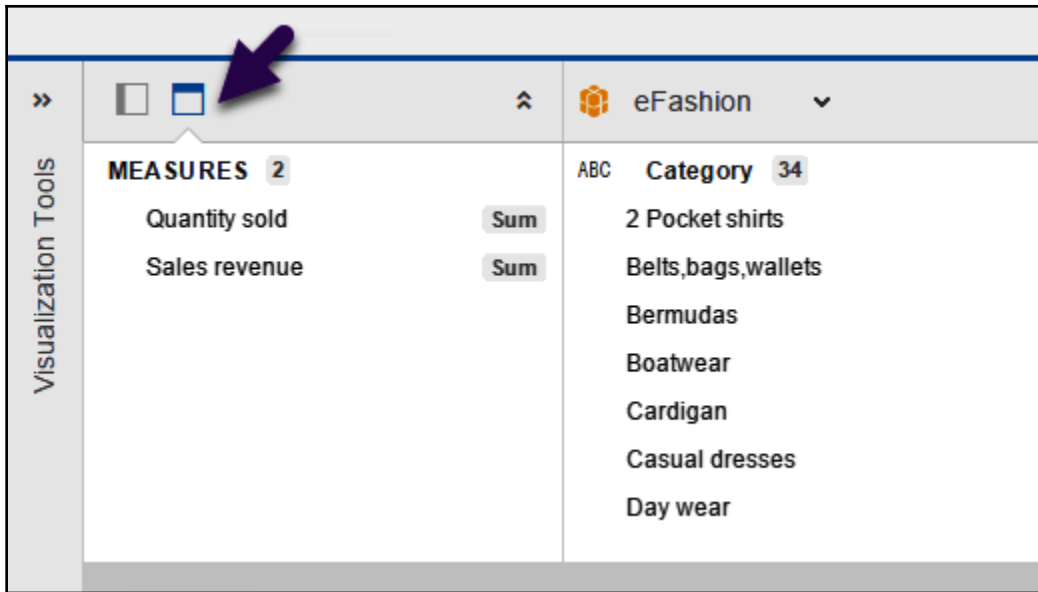
Dataset Name:

Description: eFashion retail Data Warehouse dated 14 Oct 2007. 89,000+ row fact table. Version 13 Updated 1 Sept 2015 w...

- Samples
  - eFashion.unx
  - Warehouse.unx







File Edit View Data Help

Open Ctrl+O  
 New Ctrl+N  
 Import to folder... Ctrl+I  
 Save Ctrl+S  
 Save As ... Ctrl+Shift+S  
 Export As File ... Ctrl+Shift+X  
 Publish  
 Close Ctrl+F4  
 Preferences Ctrl+P  
 Extensions Ctrl+J  
 Exit Alt+F4

**DIMENSIONS**

Y Axis  
 Category +

Color  
 Category +

> TRELLIS

MEASURES 2

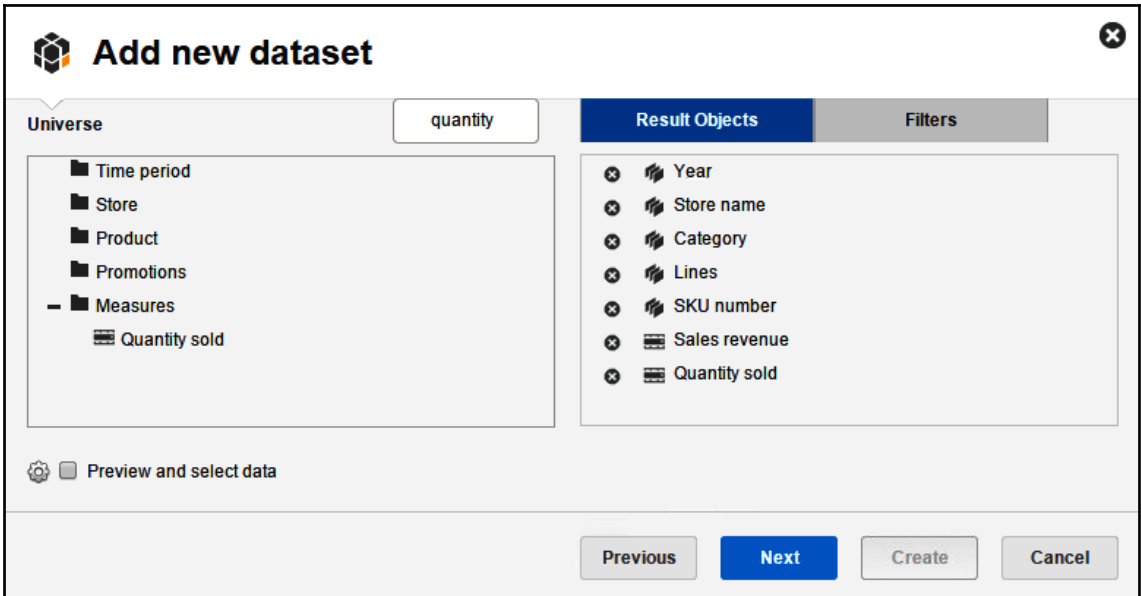
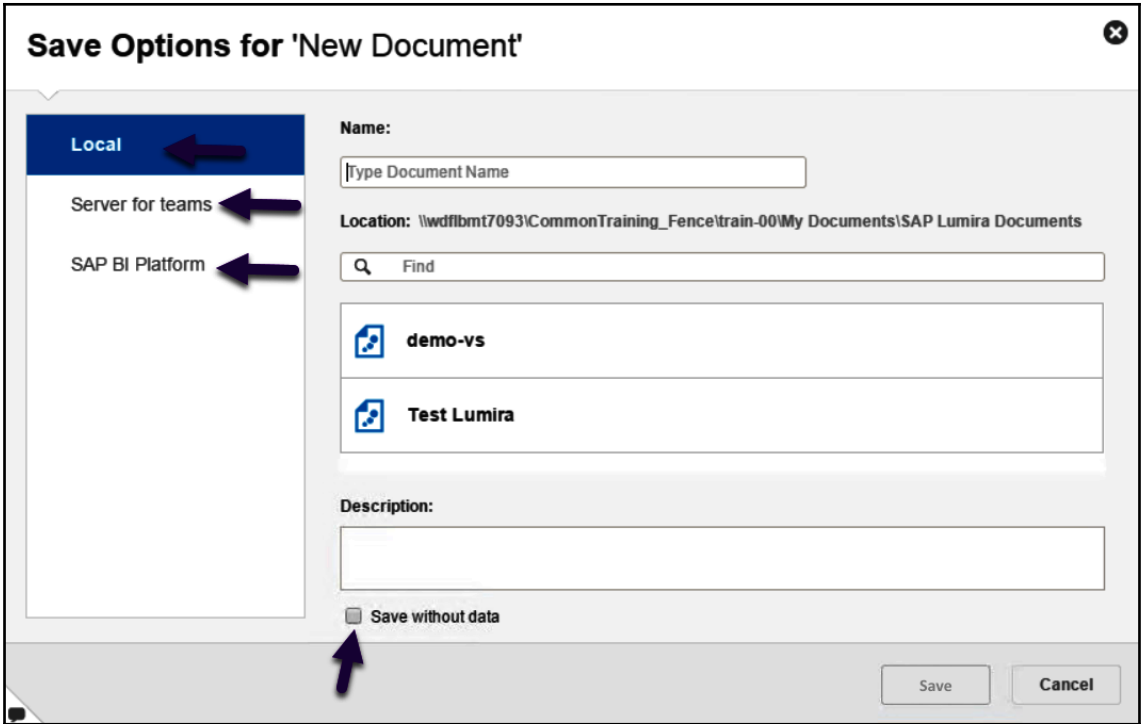
Quantity sold Sum  
 Sales revenue Sum

ABC Category

2 Pocket shi  
 Belts,bags,  
 Bermudas  
 Boatwear  
 Cardigan  
 Casual dres  
 Day wear

**Sales revenue by Category**

Category	Relative Sales Revenue
Belts,bags,wallets	High
Boatwear	Low
Casual dresses	Medium
Dry wear	High
Fancy fabric	Low
Hair accessories	High
Jackets	Low
Jewelry	Very High
Long sleeve	High
Mini city	Low
Outdoor	Low
Party pants	Medium
Shirts	Low





---

## Filter ✕


ABC **Year** 3 🔍 ⚙️

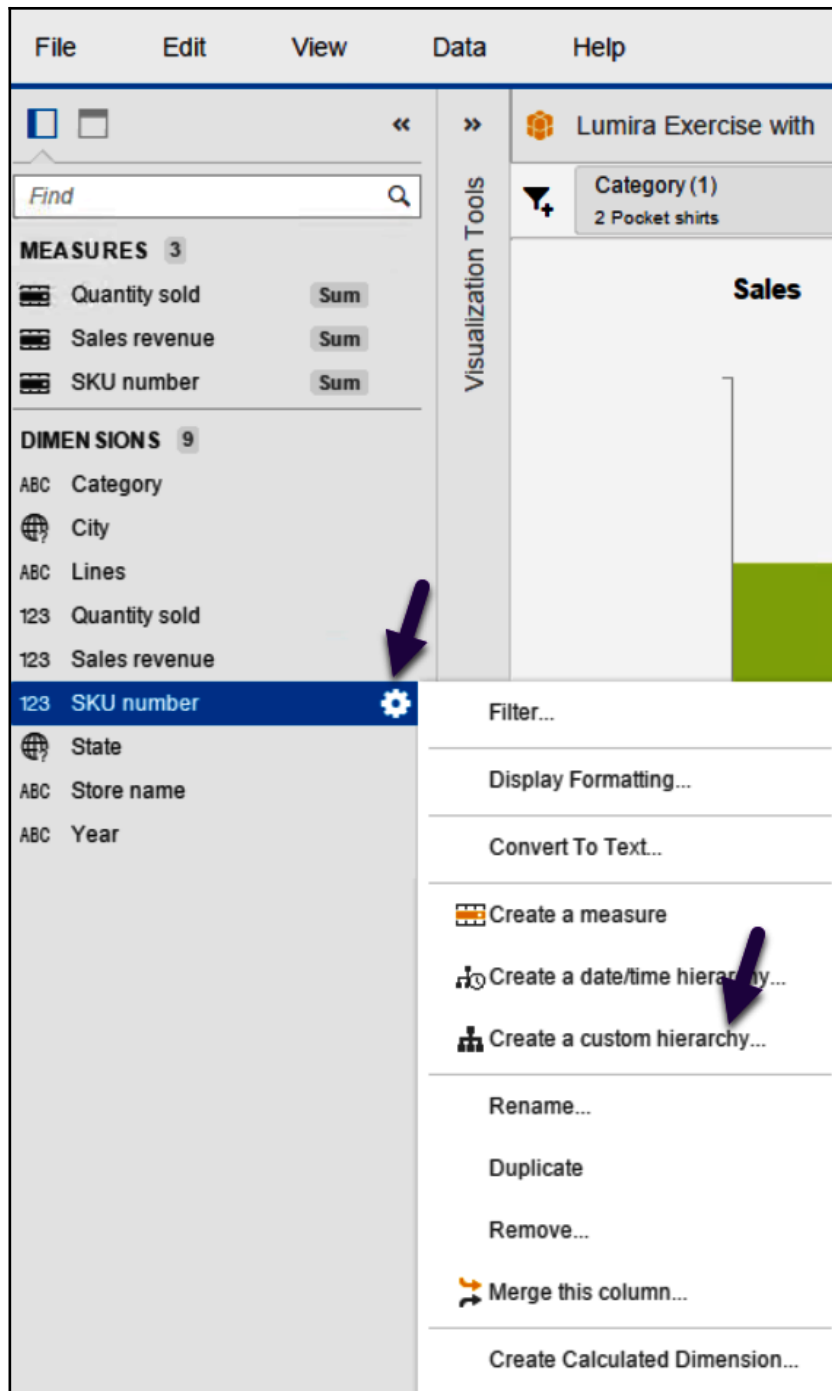
- 2004
- 2005
- 2006

Is in List ▾ ✕

Apply to Current Visualization  Apply to Entire Dataset

**Apply** **Cancel**





# Create Hierarchy

Create a new hierarchy from selected dimensions

**DIMENSIONS**

Find

- ABC Year
- ABC State
- ABC City
- ABC Store name
- 123 SKU number**
- ABC Lines
- ABC Category
- 123 Sales revenue
- 123 Quantity sold

Hierarchy name: Hierarchy

- ABC Lines
- ABC Category
- 123 SKU number

»

«

⌵

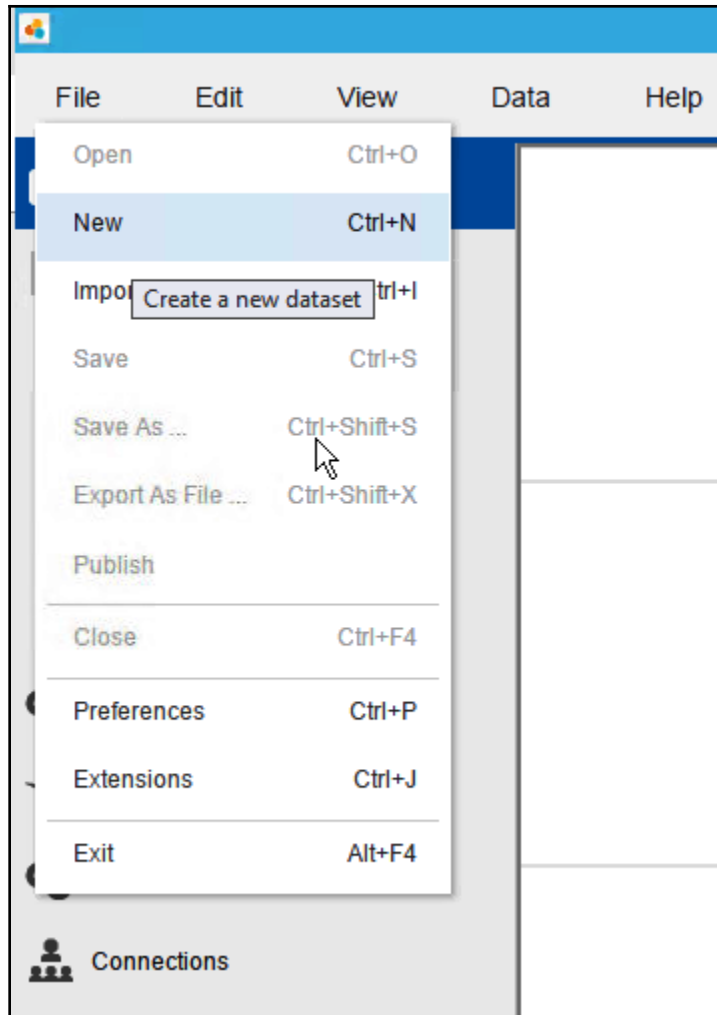
▲

▼

⌵

Create

Cancel



---

## Add new dataset

### Select a Source:



#### Microsoft Excel

Load an Excel Worksheet as a dataset



#### Text

Load a text file (\*.csv;\*.txt;\*.log;\*.prn;\*.tsv) as a dataset



#### Copy from Clipboard

Copy from Clipboard



#### Connect to SAP HANA

Connect to data in an SAP HANA View



#### Download from SAP HANA

Download data from an SAP HANA view as a dataset



#### Download from SAP Business Warehouse

Download data from SAP BW as a dataset



#### SAP Universe Query Panel

Use Advanced Query Capabilities to access UNX Universes



#### Query with SQL

Run freehand SQL on a database to download a dataset



## SAP BW Data Acquisition Connector

Connect To

### OLAP Connections

System

User Name

Enter password

Save Password

Authentication Type

Connecting to wdfibmt7215 ●●●


Next

Create

Cancel






Data Help Prepare Visualize **Compose**

▼

 New Story

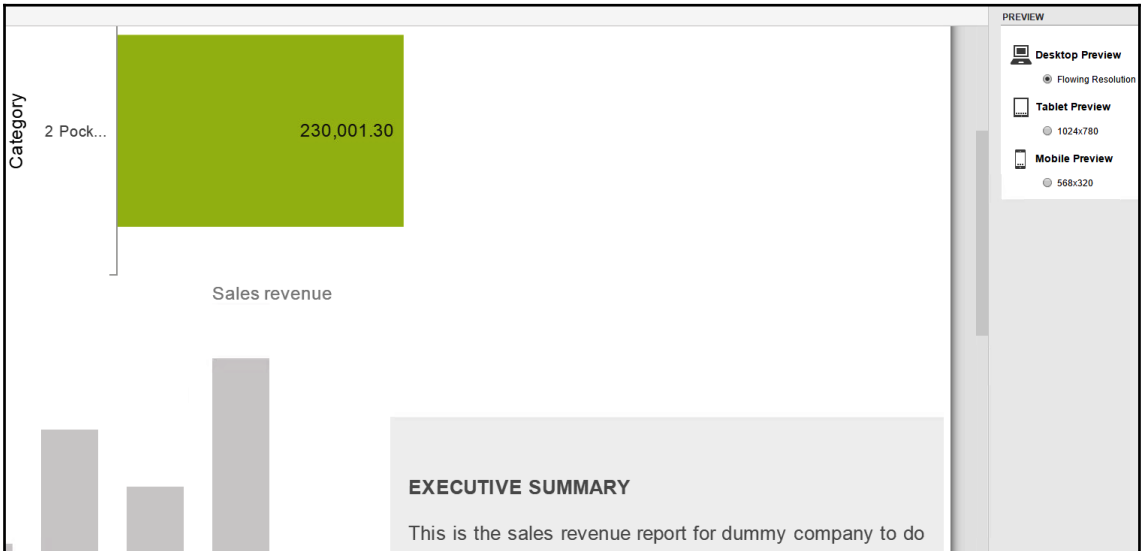
Page Name

Templates

-  Blank
-  Standard
-  Overview
-  Detailed
-  Slide Show

**Create**

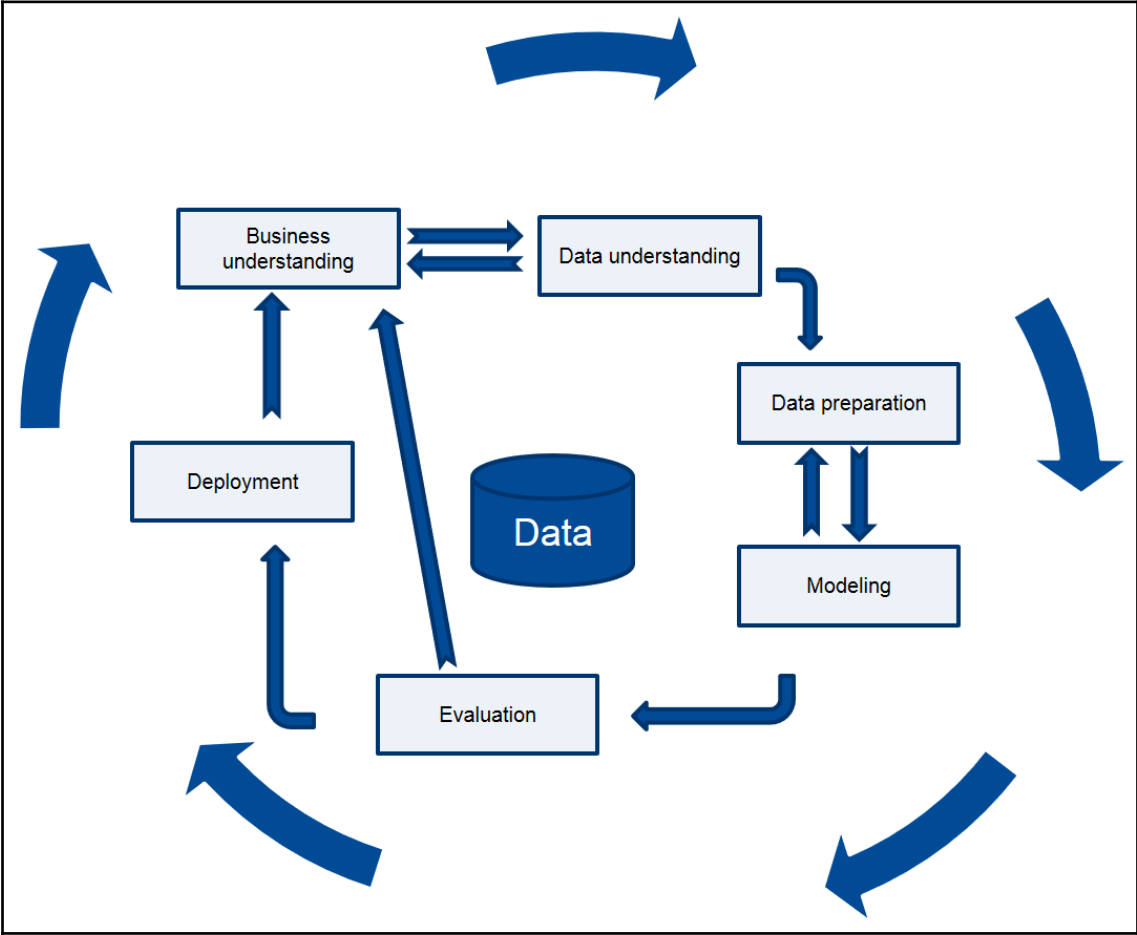
eFashion									
on the dataset									
Year	Store name	Category	Lines	SKU number	Sales revenue	Quantity sold			
2004	e-Fashion Austin	2 Pocket shirts	Shirt Waist	166,583.00	2,031.90	12.00			
2004	e-Fashion Austin	2 Pocket shirts	Shirt Waist	177,232.00	1,700.50	9.00			
2004	e-Fashion Austin	2 Pocket shirts	Shirt Waist	177,380.00	11,540.60	66.00			
2004	e-Fashion Austin	Belts,bags,wallets	Accessories	138,627.00	4,154.00	62.00			
2004	e-Fashion Austin	Belts,bags,wallets	Accessories	143,848.00	307.80	4.00			
2004	e-Fashion Austin	Belts,bags,wallets	Accessories	146,552.00	12,143.00	90.00			
2004	e-Fashion Austin	Belts,bags,wallets	Accessories	162,541.00	2,193.20	11.00			
2004	e-Fashion Austin	Belts,bags,wallets	Accessories	163,584.00	972.10	8.00			
2004	e-Fashion Austin	Belts,bags,wallets	Accessories	169,253.00	764.30	6.00			
2004	e-Fashion Austin	Belts,bags,wallets	Accessories	177,860.00	12,910.10	78.00			
2004	e-Fashion Austin	Belts,bags,wallets	Accessories	178,435.00	1,300.80	10.00			
2004	e-Fashion Austin	Bermudas	City Trousers	169,571.00	800.90	6.00			
2004	e-Fashion Austin	Bermudas	City Trousers	171,407.00	1,440.10	9.00			
2004	e-Fashion Austin	Boatwear	Jackets	172,438.00	1,010.40	8.00			
2004	e-Fashion Austin	Boatwear	Jackets	177,798.00	574.40	3.00			
2004	e-Fashion Austin	Cardigan	Sweaters	144,940.00	18,933.10	153.00			
2004	e-Fashion Austin	Casual dresses	Dresses	143,903.00	1,616.70	15.00			
2004	e-Fashion Austin	Casual dresses	Dresses	162,655.00	3,190.40	24.00			
2004	e-Fashion Austin	Casual dresses	Dresses	163,506.00	72.40	1.00			
2004	e-Fashion Austin	Casual dresses	Dresses	170,928.00	936.30	4.00			
2004	e-Fashion Austin	Day wear	Oulerwear	158,152.00	37,031.50	298.00			
2004	e-Fashion Austin	Dry wear	Overcoats	168,994.00	3,756.50	16.00			
2004	e-Fashion Austin	Dry wear	Overcoats	169,011.00	1,930.70	10.00			
2004	e-Fashion Austin	Evening wear	Dresses	166,699.00	30,899.40	241.00			
2004	e-Fashion Austin	Evening wear	Dresses	173,658.00	1,049.80	4.00			

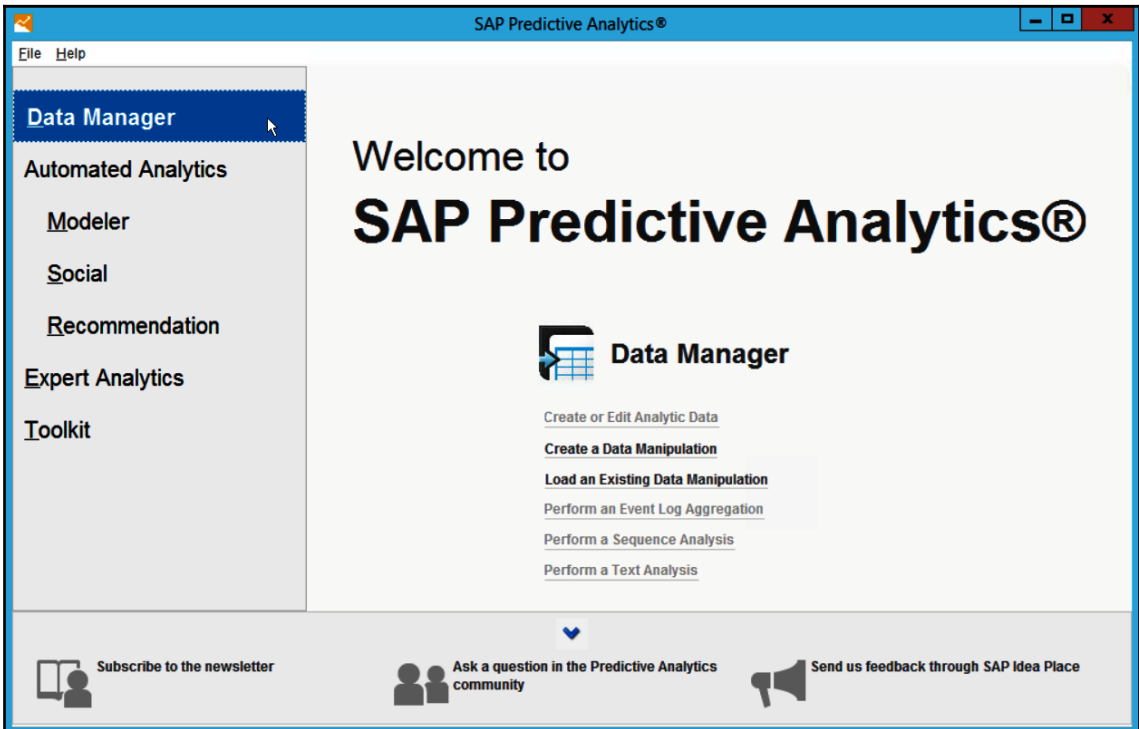
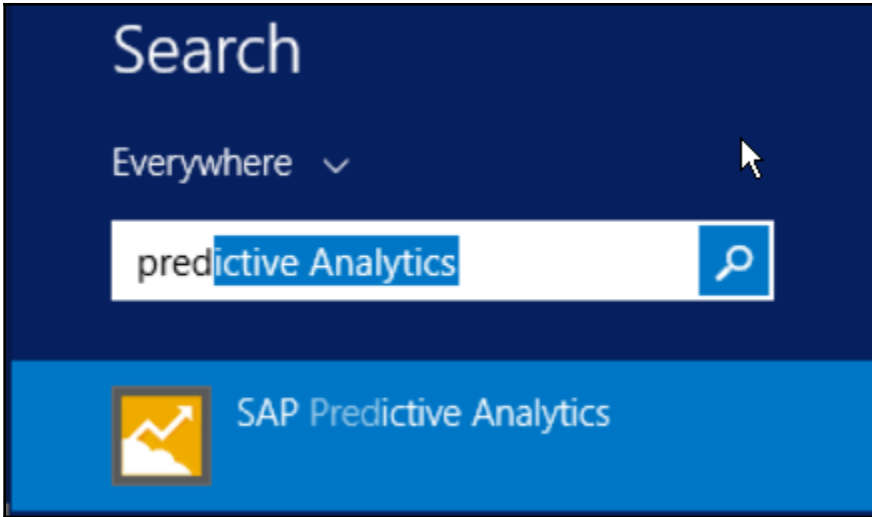


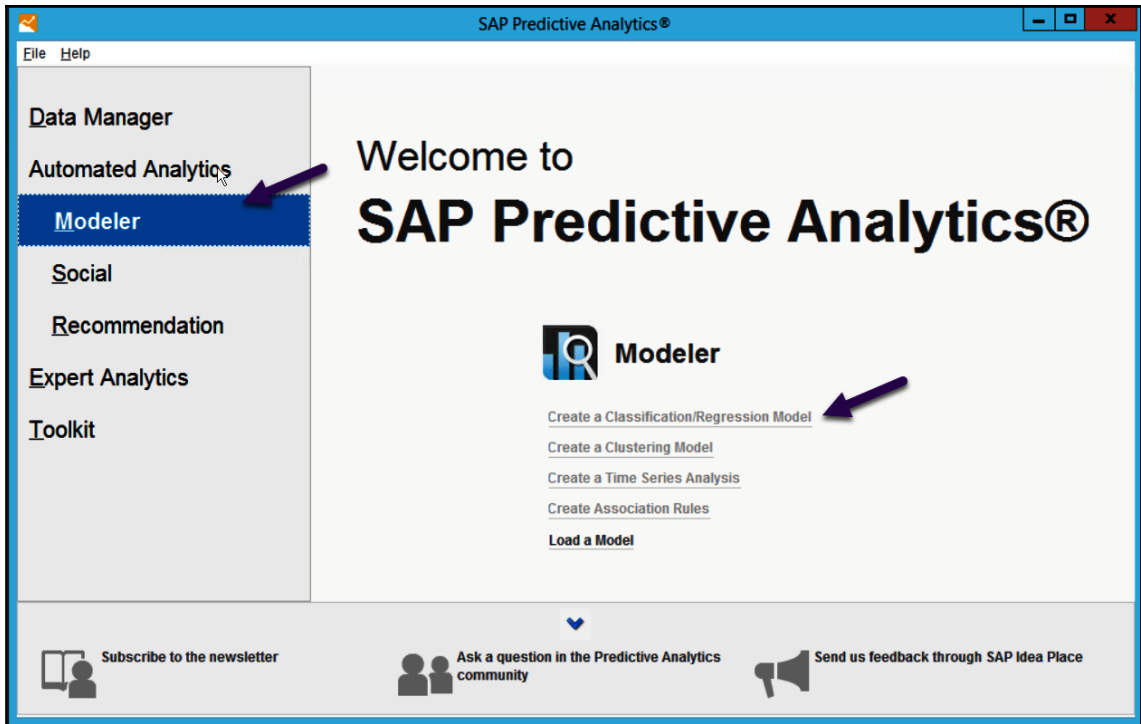


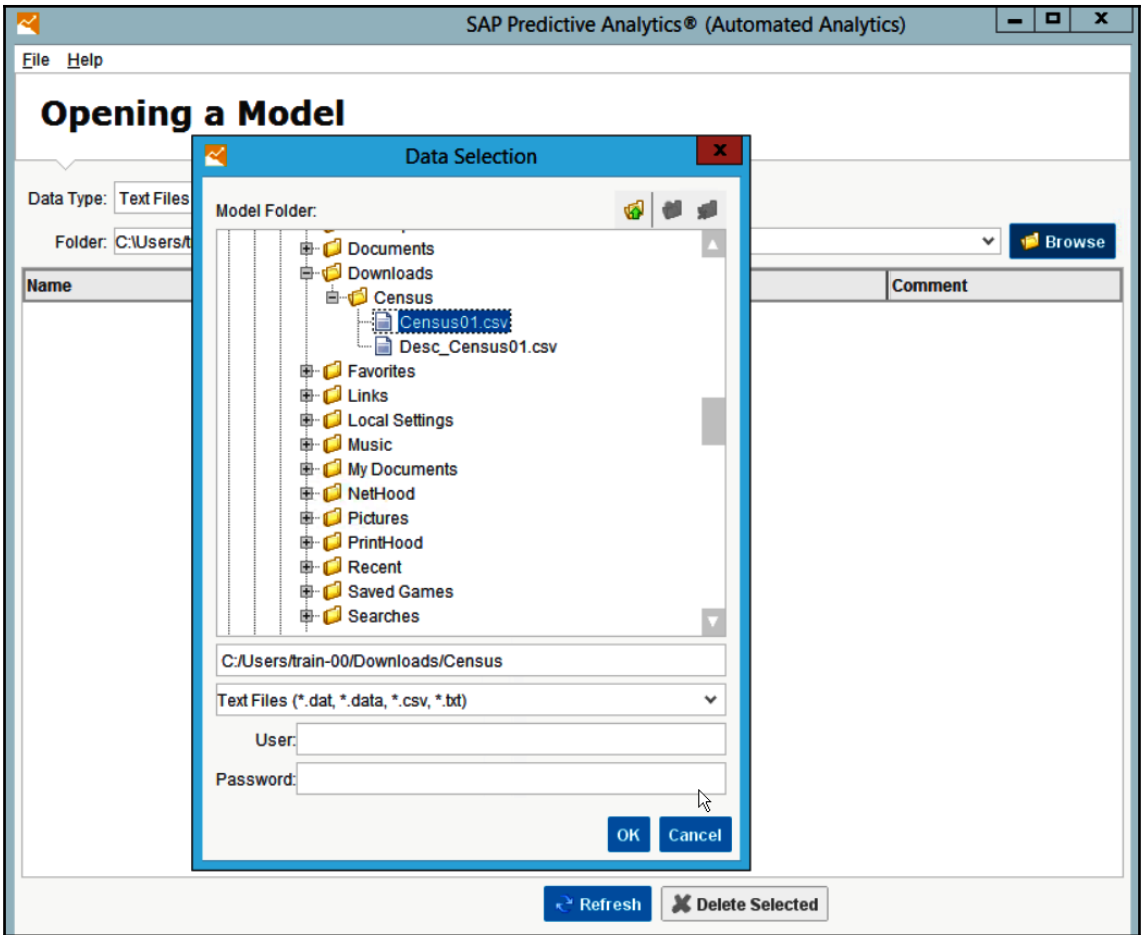
---

# Chapter 7: SAP BusinessObject Predictive Analytics 2.0









---

# Select Data Set Source


Data Type:

Folder:

 Browse


Data Set:



 Browse

 Metadata

Metadata are stored in the same place as data source.






 Cancel



 Previous

 Next

# Describe Data Set

Main **Edition**


 Open Description
  Save in Variable Pool ▼
  View Data
  Properties

Analyze  Save Description
  Remove from Variable Pool

Description

View

**i** Gussed Description

Index	Name	Storage	Key	Order	Missing	Group	Description
1	age	integer	0	0			
2	workclass	string	0	0			
3	fnlwgt	integer	0	0			
4	education	string	0	0			
5	education-num	integer	0	0			
6	marital-status	string	0	0			
7	occupation	string	0	0			
8	relationship	string	0	0			
9	race	string	0	0			
10	sex	string	0	0			
11	capital-gain	integer	0	0			
12	capital-loss	integer	0	0			
13	hours-per-week	integer	0	0			
14	native-country	string	0	0			
15	class	integer	0	0			
16	KIndex	integer	1	0			Automatically added

Add Filter in Data Set

◀ Cancel

◀ Previous

Next ▶

## Describe Data Set

**Main** | Edition

Open Description
 Save in Variable Pool
 View Data
 Properties

Save Description
 Remove from Variable Pool

---

Description | View

**+** GuesSED Description

Index	Name	Storage
1	age	integer
2	workclass	string
3	fnlwgt	integer
4	education	string
5	education-num	integer
6	marital-status	string
7	occupation	string
8	relationship	string
9	race	string
10	sex	string
11	capital-gain	integer
12	capital-loss	integer
13	hours-per-week	integer
14	native-country	string
15	class	integer
16	Kindex	integer

Add Filter in Data Set

Automated Analytics Sample Data View

Data Set: Census01.csv

First Row Index:  Last Row Index:

Data
Statistics
Graph

	age	workclass	fnlwgt	education	education-...	marital-st...	occupation	relations
1	39	State-gov	77516	Bachelors		13 Never-marr...	Adm-clerical	Not-in-fan
2	50	Self-emp-n...	83311	Bachelors		13 Married-cv...	Exec-mana...	Husband
3	38	Private	215646	HS-grad		9 Divorced	Handlers-c...	Not-in-fan
4	53	Private	234721	11th		7 Married-cv...	Handlers-c...	Husband
5	28	Private	338409	Bachelors		13 Married-cv...	Prof-specia...	Wife
6	37	Private	284582	Masters		14 Married-cv...	Exec-mana...	Wife
7	49	Private	160187	9th		5 Married-sp...	Other-sev...	Not-in-fan
8	52	Self-emp-n...	209642	HS-grad		9 Married-cv...	Exec-mana...	Husband
9	31	Private	45781	Masters		14 Never-marr...	Prof-specia...	Not-in-fan
10	42	Private	159449	Bachelors		13 Married-cv...	Exec-mana...	Husband
11	37	Private	280464	Some-colle...		10 Married-cv...	Exec-mana...	Husband
12	30	State-gov	141297	Bachelors		13 Married-cv...	Prof-specia...	Husband
13	23	Private	122272	Bachelors		13 Never-marr...	Adm-clerical	Own-chilc
14	32	Private	205019	Assoc-acdm		12 Never-marr...	Sales	Not-in-fan
15	40	Private	121772	Assoc-voc		11 Married-cv...	Craft-repair	Husband
16	34	Private	245487	7th-8th		4 Married-cv...	Transport...	Husband
17	25	Self-emp-n...	176756	HS-grad		9 Never-marr...	Farming-fls...	Own-chilc
18	32	Private	186824	HS-grad		9 Never-marr...	Machine-o...	Unmarrie
19	38	Private	28887	11th		7 Married-cv...	Sales	Husband
20	43	Self-emp-n...	292175	Masters		14 Divorced	Exec-mana...	Unmarrie
21	40	Private	193524	Doctorate		16 Married-cv...	Prof-specia...	Husband

Help Close

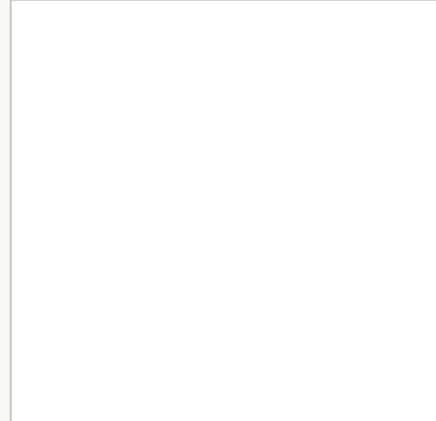
## Variable Selection

Variables Selected for Transfer **16**

age  
workclass  
fnlwgt  
education  
education-num  
marital-status  
occupation  
relationship  
race  
sex  
capital-gain  
capital-loss  
hours-per-week  
native-country  
class  
KIndex



Excluded Variables **0**



   Alphabetic Sort

   Alphabetic Sort

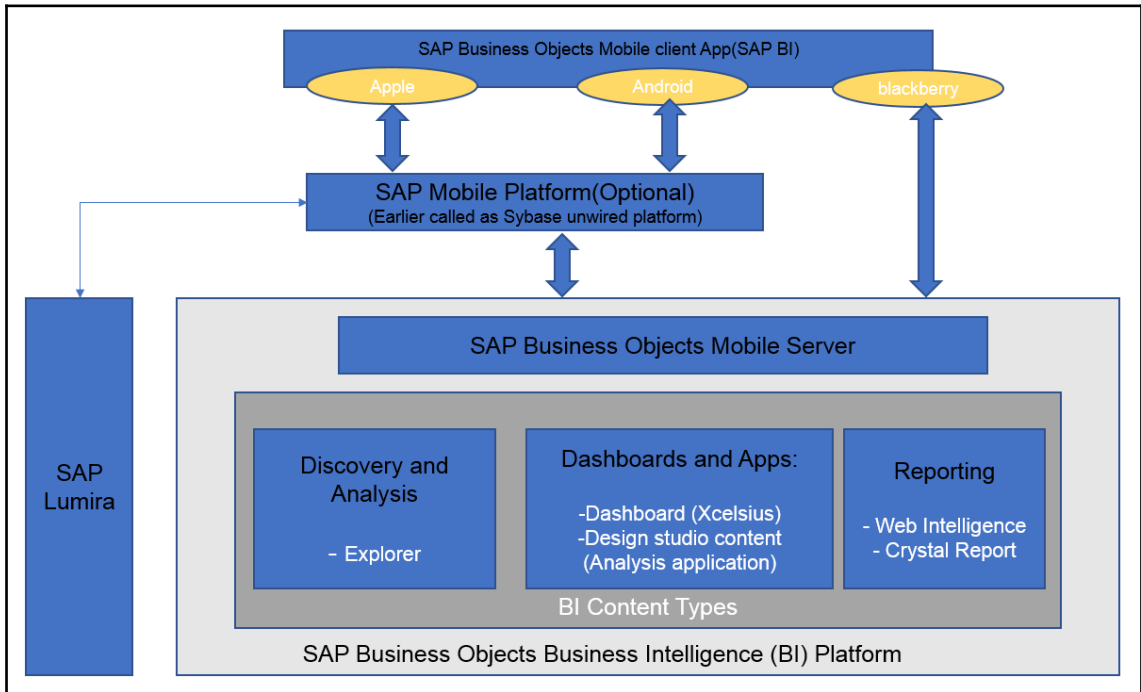
◀ Cancel

◀ Previous

▶ Next



## Chapter 8: BI Platform Features



## Central Management Console

Users and Groups ▾

Manage ▾ Actions ▾

Icons: [Add], [Remove], [Refresh], [Import], [Export], [Search], [Help]

Navigation: [Home], [Users and Groups], [Groups], [Users], [Groups and Users]

- User List
- Group List
- Group Hierarchy**
  - Administrators
  - Cryptographic Officers
  - Data Services Administrator Users
  - Data Services Designer Users
  - Data Services Monitor Users
  - Data Services MU Users
  - Data Services Operator Users
  - Data Services Profiler Administrator L
  - Data Services Profiler Users
  - Everyone
  - Monitoring Users
  - Report Conversion Tool Users

Name ^
Administrators
Cryptographic Officers
Data Services Administrator Users
Data Services Designer Users
Data Services Monitor Users
Data Services MU Users
Data Services Operator Users
Data Services Profiler Administrator Users
Data Services Profiler Users
Everyone
Monitoring Users
Report Conversion Tool Users

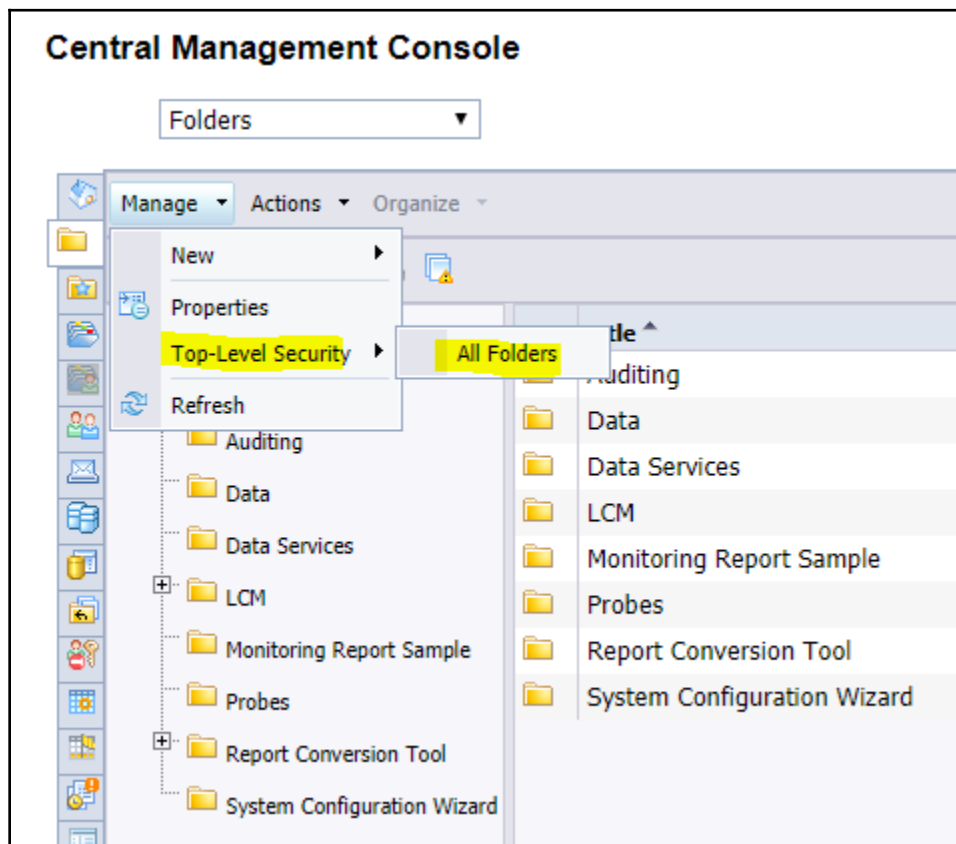
---

**Grant + Not specified --> Grant**

**Grant + Denied --> Denied**

**Grant + Denied + Not Specified --> Denied**

**Denied + Not Specified --> Denied**



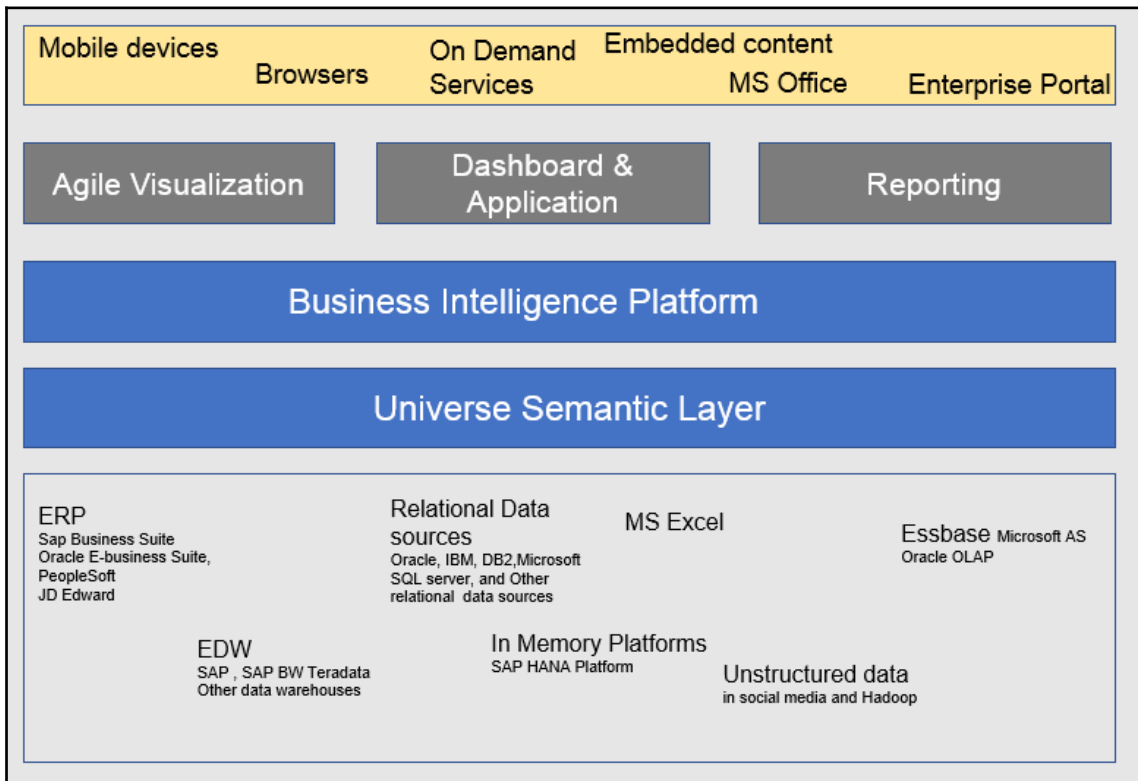
### Central Management Console

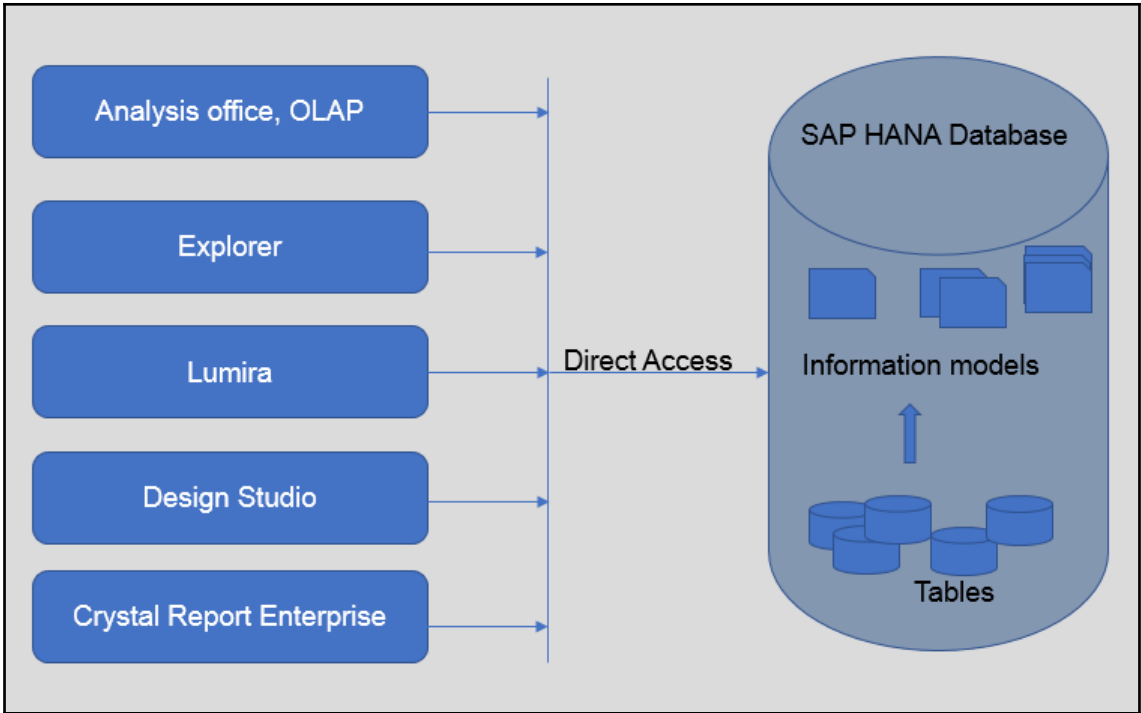
Access Levels ▼

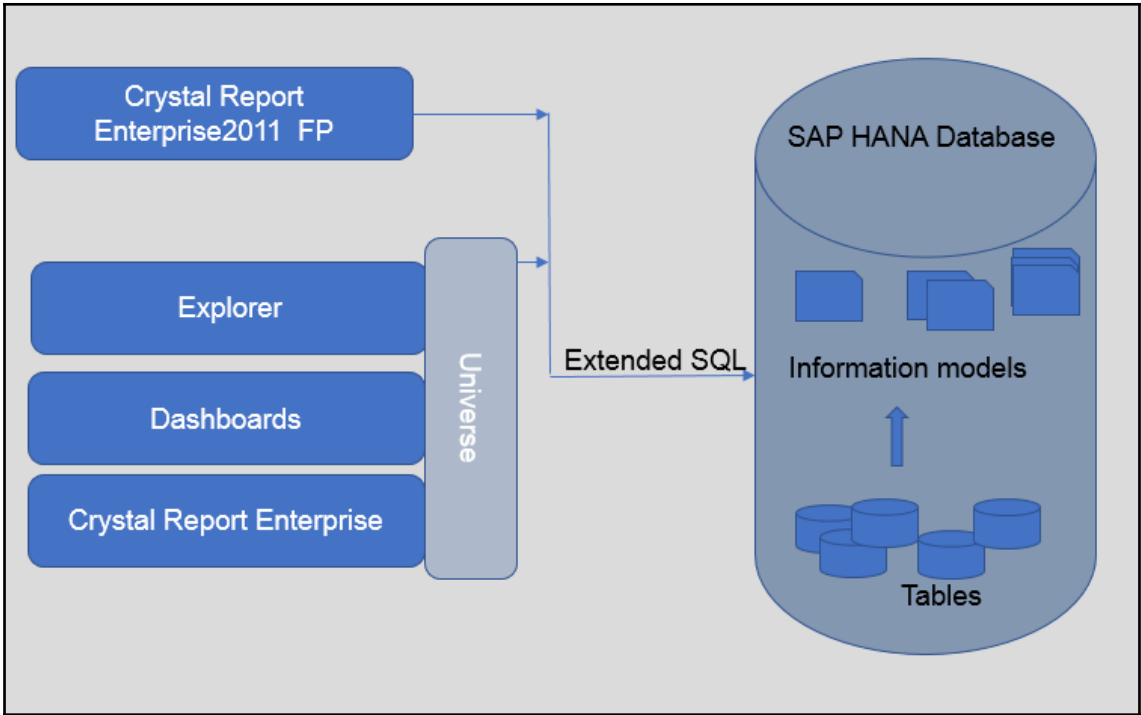
Manage ▾ Actions ▾ Organize ▾

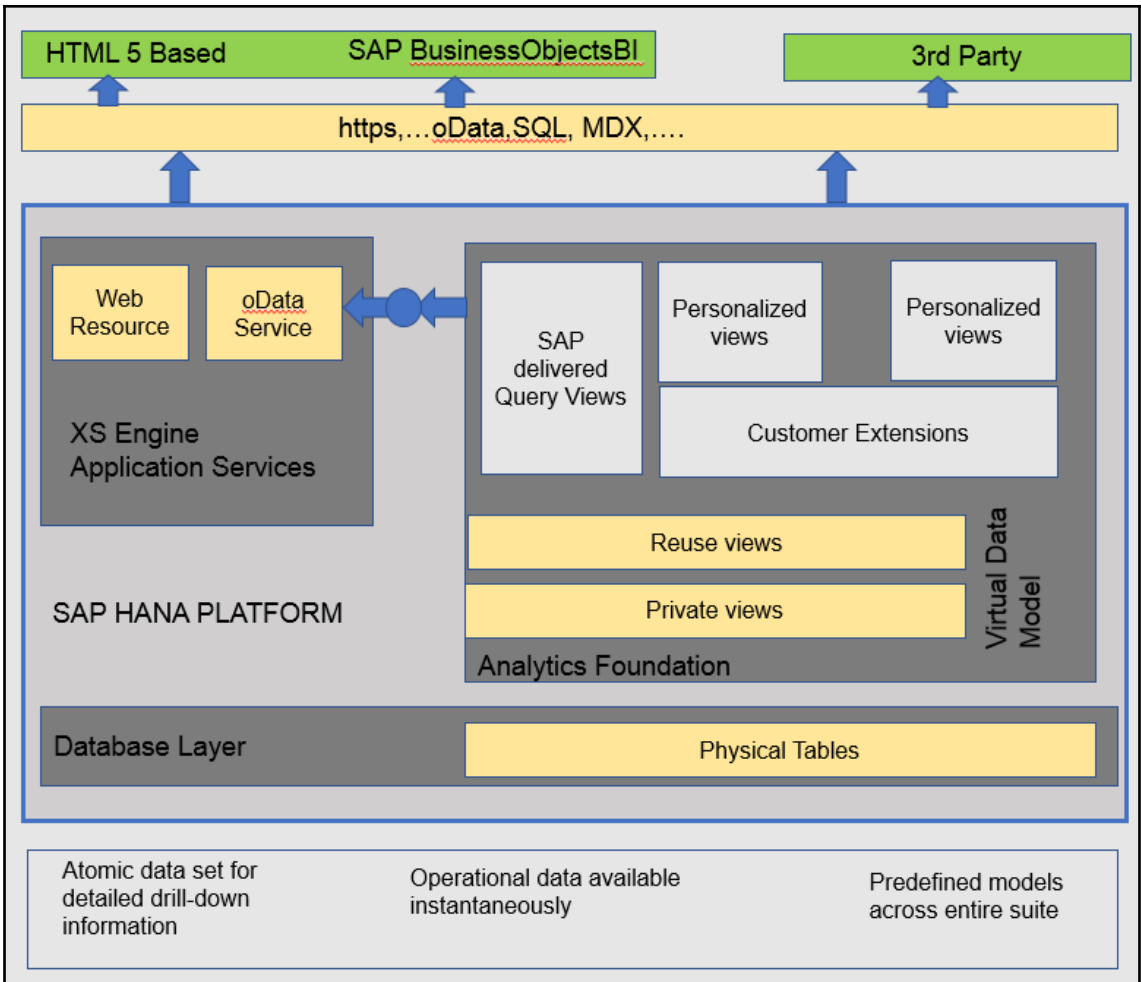
	Name ^	Description
	Full Control	Grants full access
	Full Control (Owner)	Grants owner version of all rights
	Schedule	Grants all rights from View, as well as rights to schedule objects
	View	Grants view rights for objects
	View On Demand	Grants all rights from Schedule, as well as rights to refresh documents

# Chapter 9: BI Platform Deployment

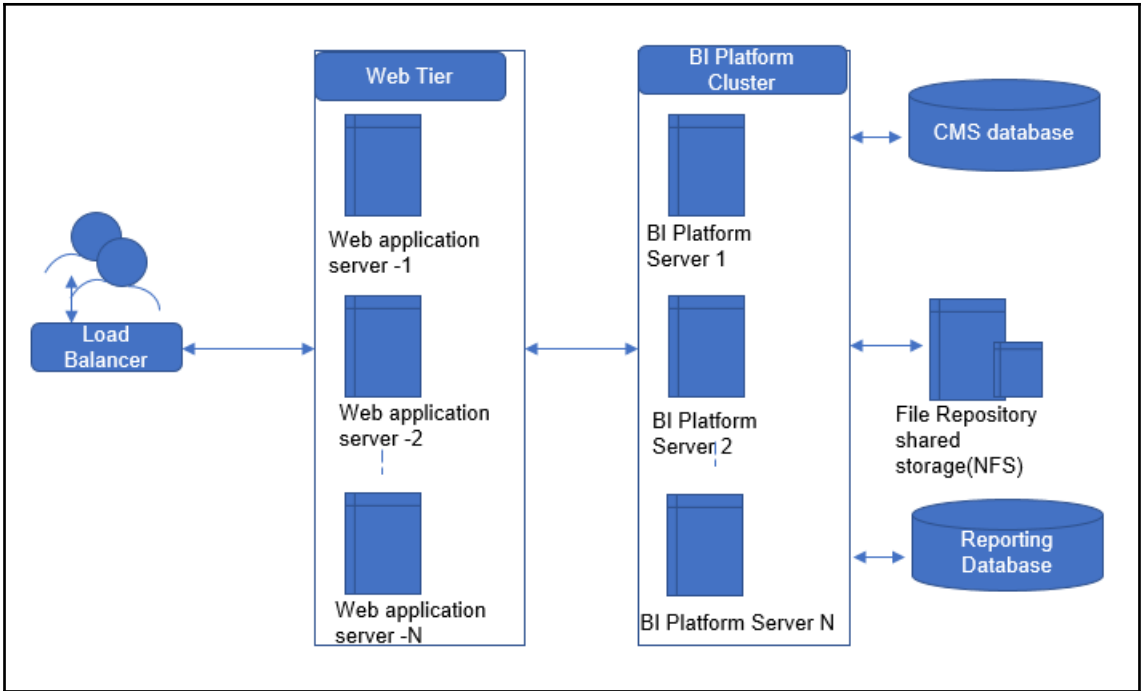


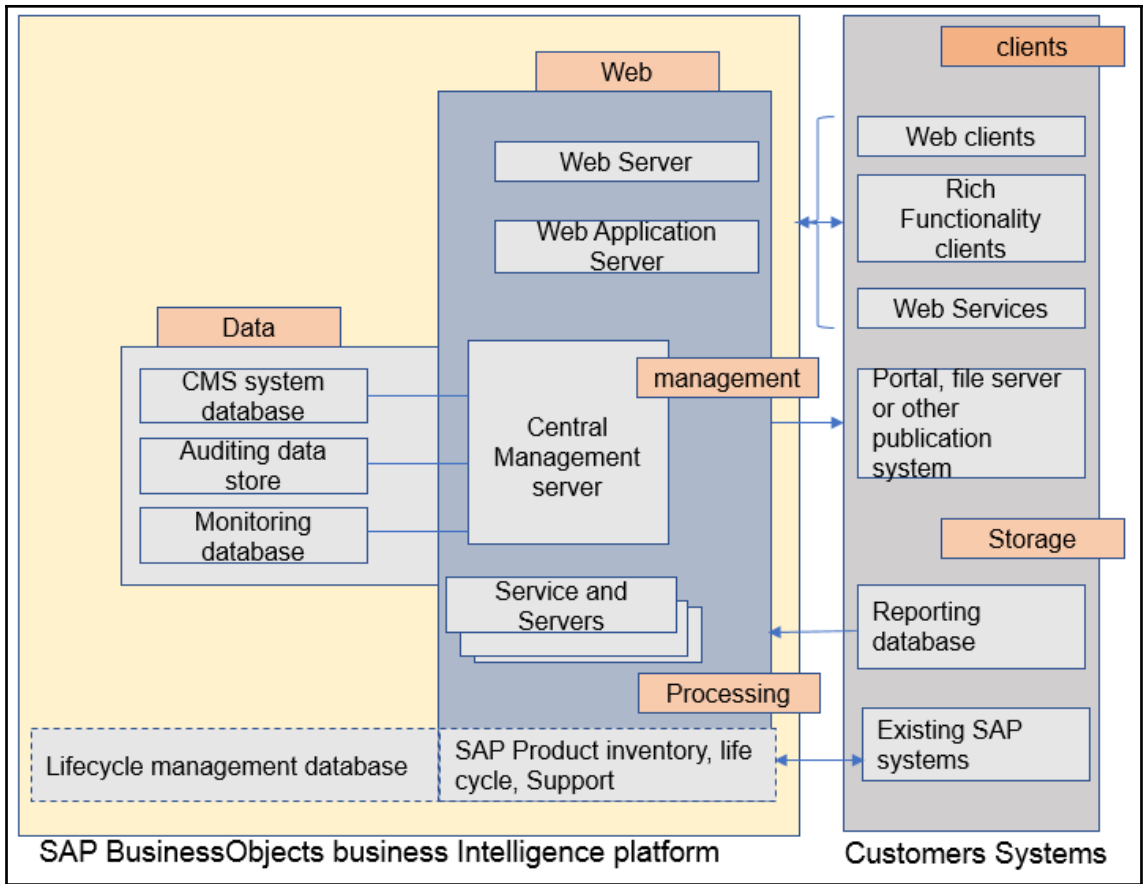














**Central Management Console** 

CMC Home  Welcome: **Administrator** | Preferences | Help ▾ | Log Off

Organize	Define	Manage
Folders	Access Levels	Instance Manager
Personal Folders	Calendars	Applications
Categories	Events	Settings
Personal Categories	User Attribute Management	Sessions
Users and Groups		Authentication
Profiles		License Keys
Inboxes		Promotion Management
Servers		Version Management
Replication Lists		Visual Difference
Federation		Auditing
Query Results		Monitoring
Temporary Storage		Cryptographic Keys
Universes		Multitenancy
Connections		System Configuration Wiz
Web Service Query		
OLAP Connections		

**Central Management Console** 

Servers  Welcome: **Administrator** | Preferences | Help ▾ | Log Off

Manage ▾ Actions ▾ Find Title

1 of 1

Name
Connectivity Services
Core Services
Crystal Reports Services
Data Federation Services
Lifecycle Management Services
Analysis Services
Web Intelligence Services
Dashboards Services

The screenshot shows the SAP Central Management Console interface. On the left, a tree view under 'Service Categories' lists: Connectivity Services, Core Services, Crystal Reports Services, Data Federation Services, Lifecycle Management Services, Analysis Services, Web Intelligence Services, and Dashboards Services. The main pane on the right displays a table with the same list of service categories under the 'Name' header.

