

INFOTRUST



10:05 - 10:35

Ieskats un demonstrācija: SAP
BusinessObjects jaunākās versijas
biznesa lietotāju ieguvumi

Māris Svilāns

Infotrust, Head of Sales

INFOTRUST 

SAP BusinessObjects:
inovāciju praktiskie piemēri

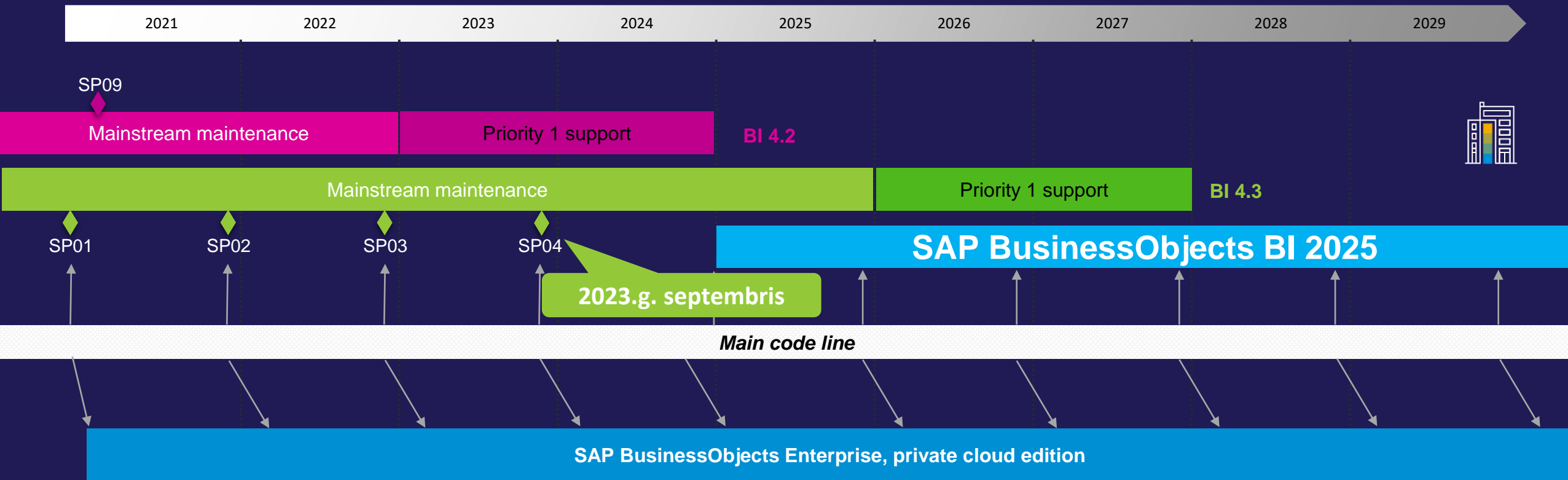
2023. GADA 18. MAIJS | 10:00 - 11:30

VEBINĀRS • TIEŠSAISTĒ LATVIEŠU VALODĀ

REGISTRĀCIJĀ: [▶ theinfotrust.com](https://theinfotrust.com)

The poster features a dark background with a glowing, abstract geometric pattern of interconnected cubes and lines, creating a sense of depth and technology.

SAP BusinessObjects BI



SAP BusinessObjects 4.3

Galvenie inovāciju virzieni



#1

LIETOTĀJU PIEREDZE

Vienota lietotāju saskarnes
piedze – Fiori tēma



#2

«ENTERPRISE» PRASĪBAS

Industrijas standartiem
atbilstoša drošība,
mērogojamība un veiktspēja



#3

HIBRĪDS MODELIS

Cieša integrācija starp
BusinessObjects BI un SAP
Analytics Cloud

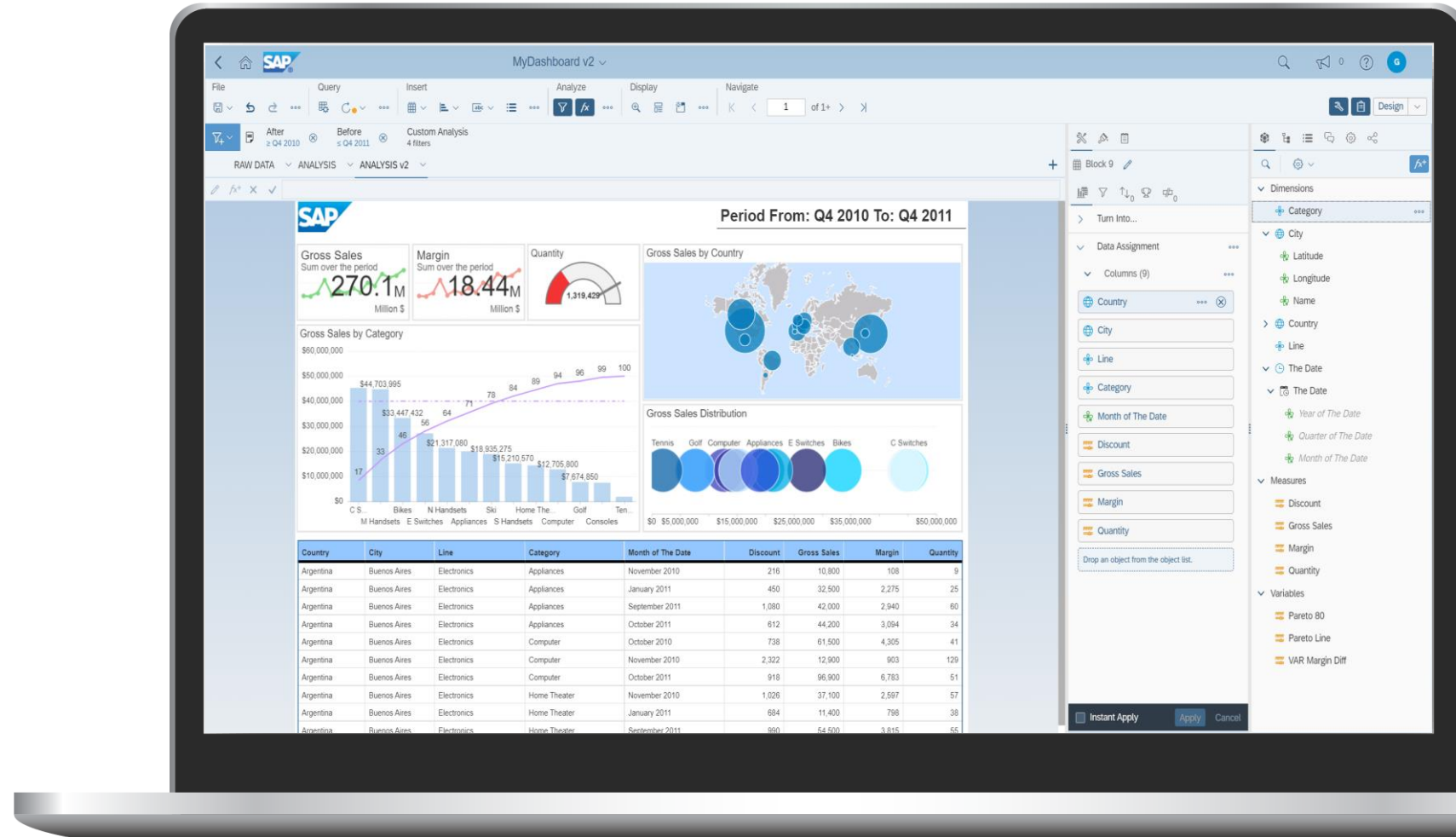
SAP BusinessObjects BI 4.3



#1

LIETOTĀJU PIEREDZE

- Fiori stila BI LaunchPad
- Jauna Web Intelligence 4.3 lietotāja saskarne
- Uzlabojumi «Scheduling» un «Publications»
- Web Intelligence datu modelis



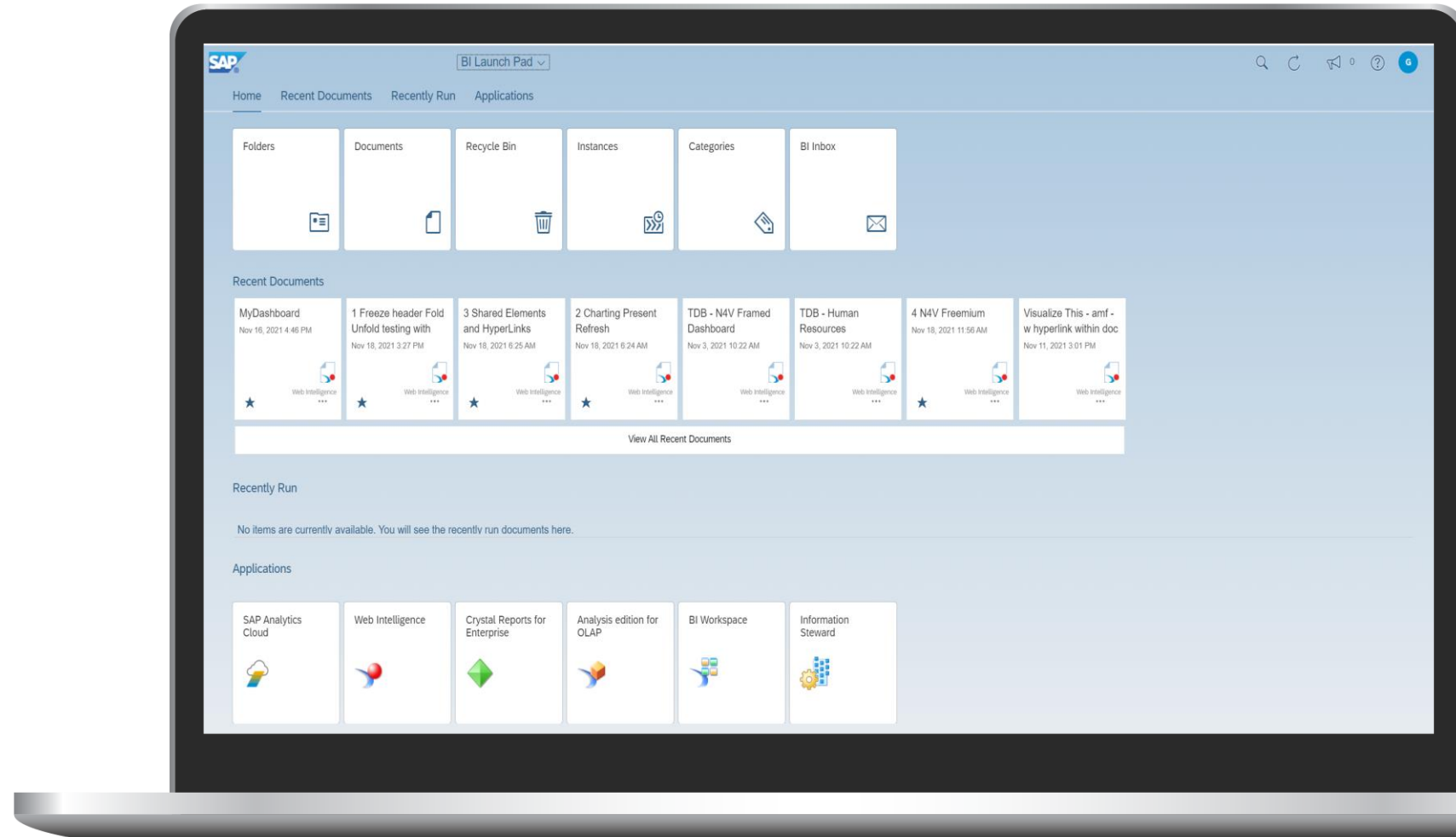
SAP BusinessObjects BI 4.3



#2

«ENTERPRISE» PRASĪBAS

- Instalācija
- Drošības uzlabojumi
- Administratoru rīki
- Uzlabots audits
- Jauni datu avoti



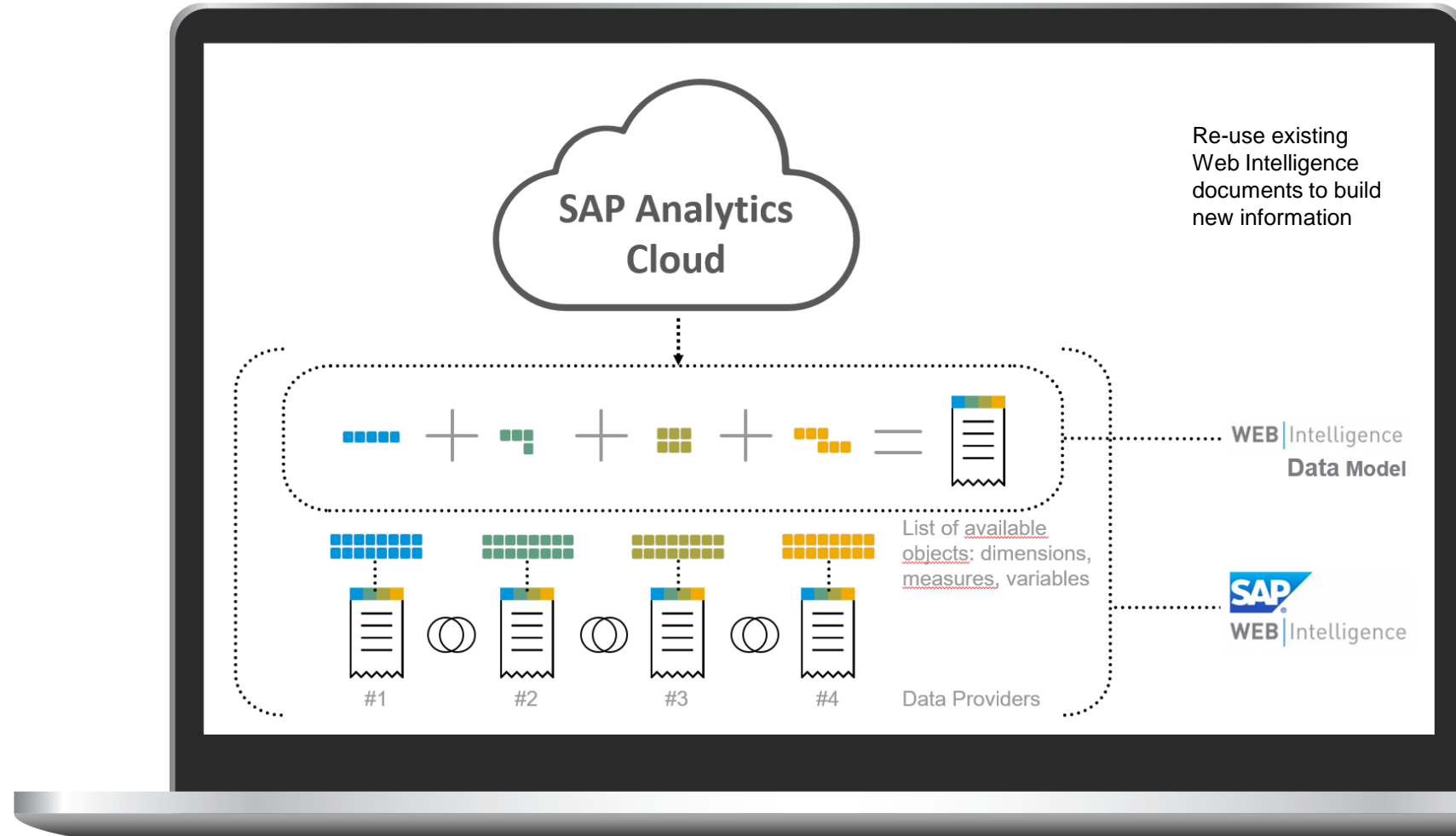
SAP BusinessObjects BI 4.3



#3

HIBRĪDS MODELIS

- «Live Connectivity» pie universiem
- Piekļuve pie Web Intelligence datu modeļiem
- Hibrīda lietotāju pārvaldība



SAP BusinessObjects BI 4.3 SP3 – Web Intelligence

BIZNESA LIETOĀJU IEGUVUMI



PRODUKTIVITĀTE

- Datu priekšskatīšana
- «Facets» navigācija
- Datu plūsmas vizualizēšana
- Datu plūsmas kombinēšana (Append, Joins)
- Datu pārveidošana



PLAŠĀKAS IESPĒJAS

- Microsoft OneDrive atbalsts
- “Eksportēt uz” repozitorija galamērķi
- “Prompt” organizēšana
- Atbalsts oDATA v 4
- Jauni datu avoti un SDK
- Need4Viz u.c. paplašinājumi

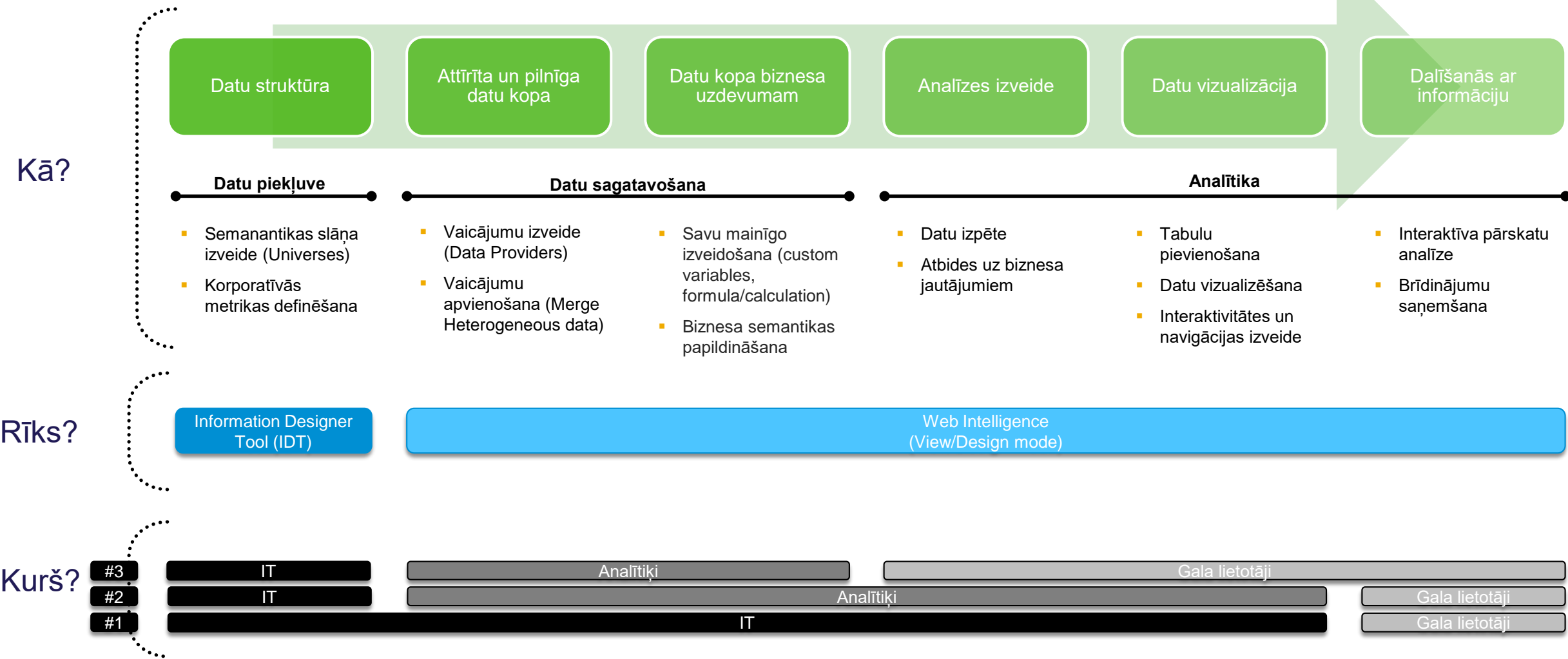


LIETOJAMĪBA

- «Pixel» pārskatu veidošana
- Trellis diagrammas
- Šūnu novienādošana
- Tabulas izmēru maiņa, izmantojot enkuru
- Vairākbloku atlase, izmantojot “lasso”

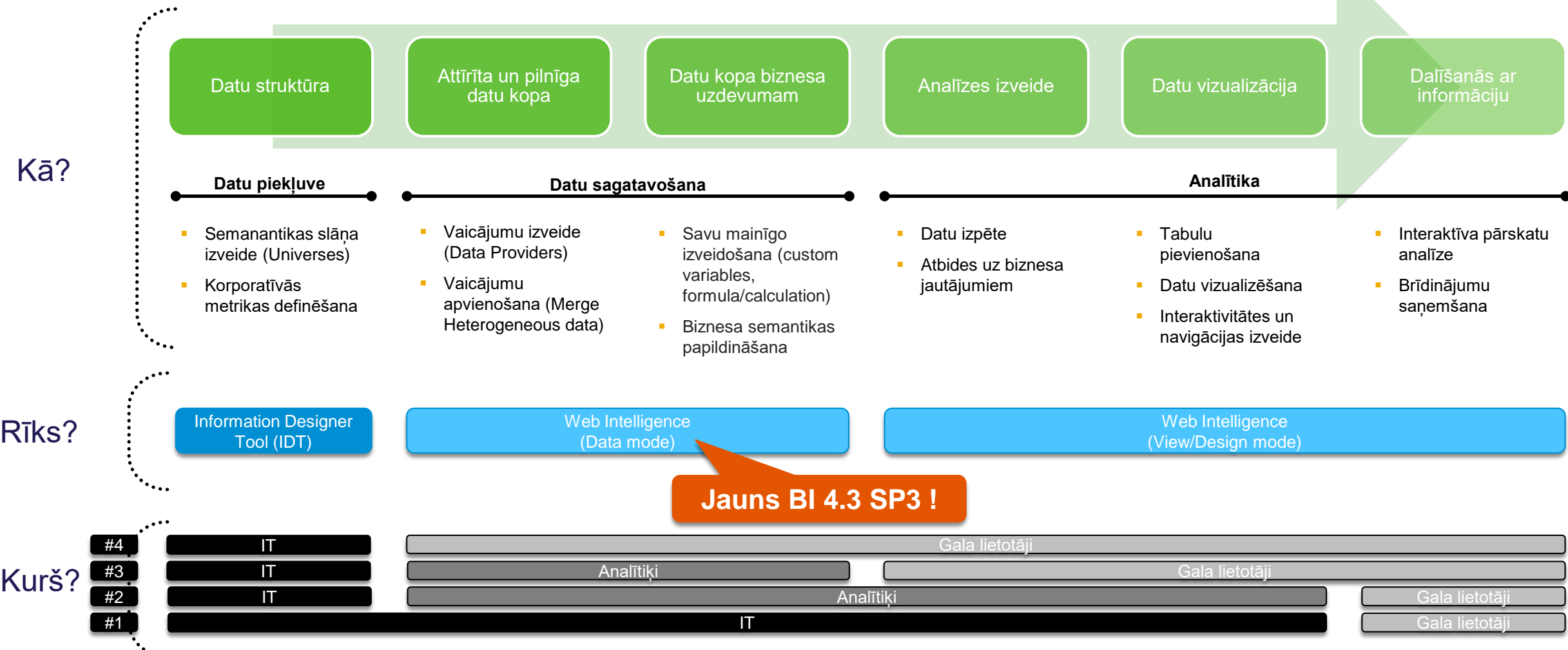
SAP BusinessObjects BI 4.3

Datu sagatavošana analīzei



SAP BusinessObjects BI 4.3

Data management in Web Intelligence



Data Mode: View Data

New **Data** mode to display queries' dataset

- Catchup of SAP BI 4.2 Rich Client « Data Manager » mode
- In SAP BI 4.3 SP3, available in Web Intelligence Web Client (BI Launch Pad) and Rich Client
- New graphical view to display queries and data flows

Year	Month	Month Name	State	City	Store name	Sales revenue	Quantity sold	Margin
2014	7	July	California	Los Angeles	e-Fashion Lo...	44332.8	297	15221.4
2014	7	July	California	San Francisco	e-Fashion Sa...	26444	167	8986.6
2014	7	July	Colorado	Colorado Sp...	e-Fashion C...	26242.2	170	9277.6
2014	7	July	DC	Washington	e-Fashion W...	27300.8	174	9131.1
2014	7	July	Florida	Miami	e-Fashion Mi...	26438	170	9364
2014	7	July	Illinois	Chicago	e-Fashion C...	50108	295	19715.9
2014	7	July	New York	New York	e-Fashion N...	42278	269	14331.7
2014	7	July	New York	New York	e-Fashion N...	62135	386	23434.7
2014	7	July	Texas	Austin	e-Fashion Au...	28028.4	281	11671.7

Data Mode: Transform Data

Right-click on a column in **Data** mode to apply some operators on the data:

- Trim
- Uppercase / Lowercase
- Replace
- Filter
- Duplicate
- Concat
- Split

Sales Details									
Year	Month	Month Name	State	City	Store name	Sales revenue	Quantity sold	Margin	
2014	7	July	California	Trim...	Fashion Lo...	44332.8	297	15221.4	
2014	7	July	California	Uppercase	Fashion Sa...	26444	167	8986.6	
2014	7	July	Colorado	Lowercase	Fashion C...	26242.2	170	9277.6	
2014	7	July	DC	Replace...	Fashion W...	27300.8	174	9131.1	
2014	7	July	Florida	Filter...	Fashion Mi...	26438	170	9364	
2014	7	July	Illinois	Duplicate	Fashion C...	50108	295	19715.9	
2014	7	July	New York	Concat	Fashion N...	42278	269	14331.7	
2014	7	July	New York	Split...	Fashion N...	62135	386	23434.7	
2014	7	July	Texas	Hide	Fashion Au...	38928.4	281	11671.7	
2014	7	July	Texas	Show	Fashion D...	24696.1	156	8596	
2014	7	July	Texas	San Francisco	Fashion H...	30938.2	213	9772.8	
2014	7	July	Texas	Colorado Sp...	Fashion H...	44208.2	309	13716.6	
2014	8	August	California	Washington	Fashion Lo...	124505.7	880	44005.4	
2014	8	August	California	Miami	e-Fashion Sa...	69829.6	483	25058	
2014	8	August	Colorado	Chicago	e-Fashion C...	52673.2	370	18389.8	
2014	8	August	DC	New York	e-Fashion W...	79305.7	558	27341	
2014	8	August	Florida		e-Fashion Mi...	58639.3	409	20717.5	
2014	8	August	Illinois		e-Fashion C...	123918.9	835	46276.3	
2014	8	August	New York		e-Fashion N...	93451.2	646	33282.9	

Data Mode: Combine Data

Create Flow ↗

Flow name
Sales Details + City Details

Flow join method
Append flow ▼ ?

Primary Flow	Secondary Flow
Sales Details Universe 696 Rows 9 Columns	City Details - @SPRINTLVL/Web/DSL/Excel 11 Rows 4 Columns

Linked objects list (1)
+ City ▼ → + City ▼ ✕

+ Link feeds

Sales Details

Search 🔍

- + Year
- + Month
- + Month Name
- + State
- + Store name
- + Sales revenue
- + Quantity sold
- + Margin

City Details - @SPRINTLVL/We...

Search 🔍

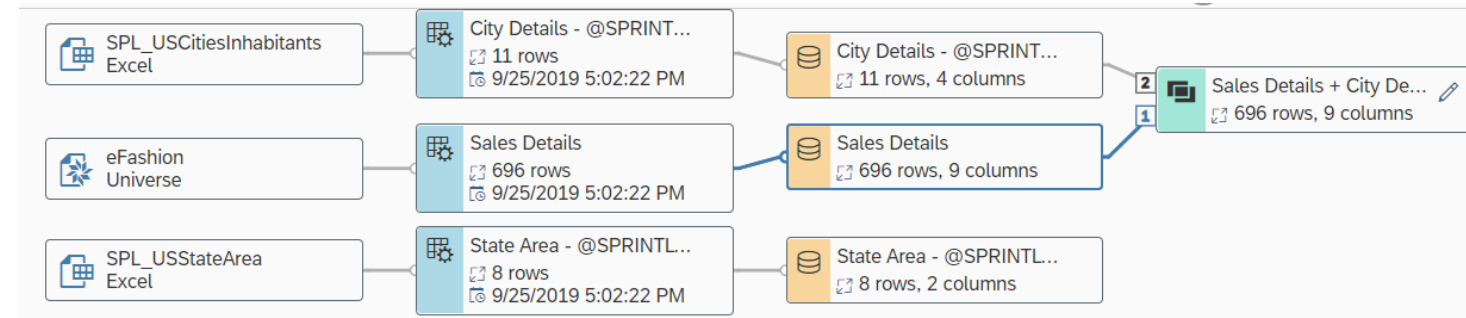
- + Latitude
- + Longitude
- + Inhabitants

Add Close

Synchronize data through **flows** rather than through objects

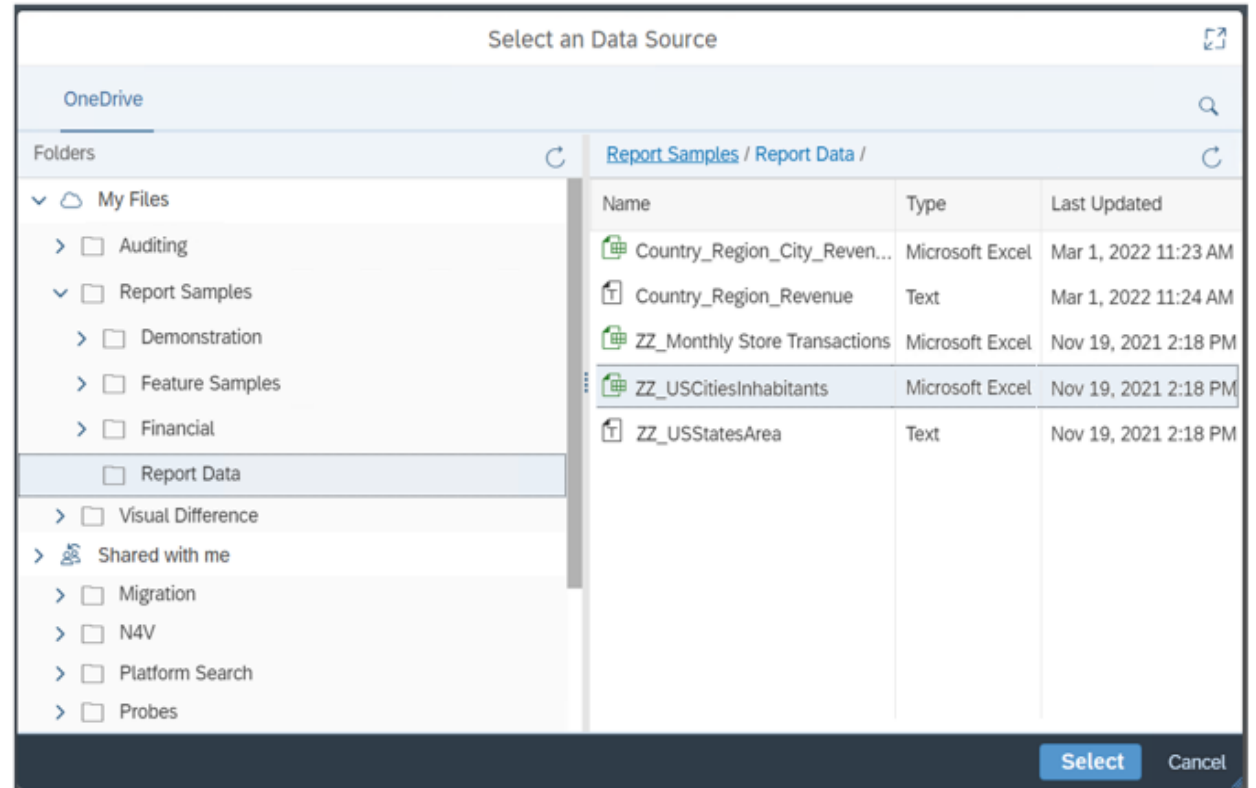
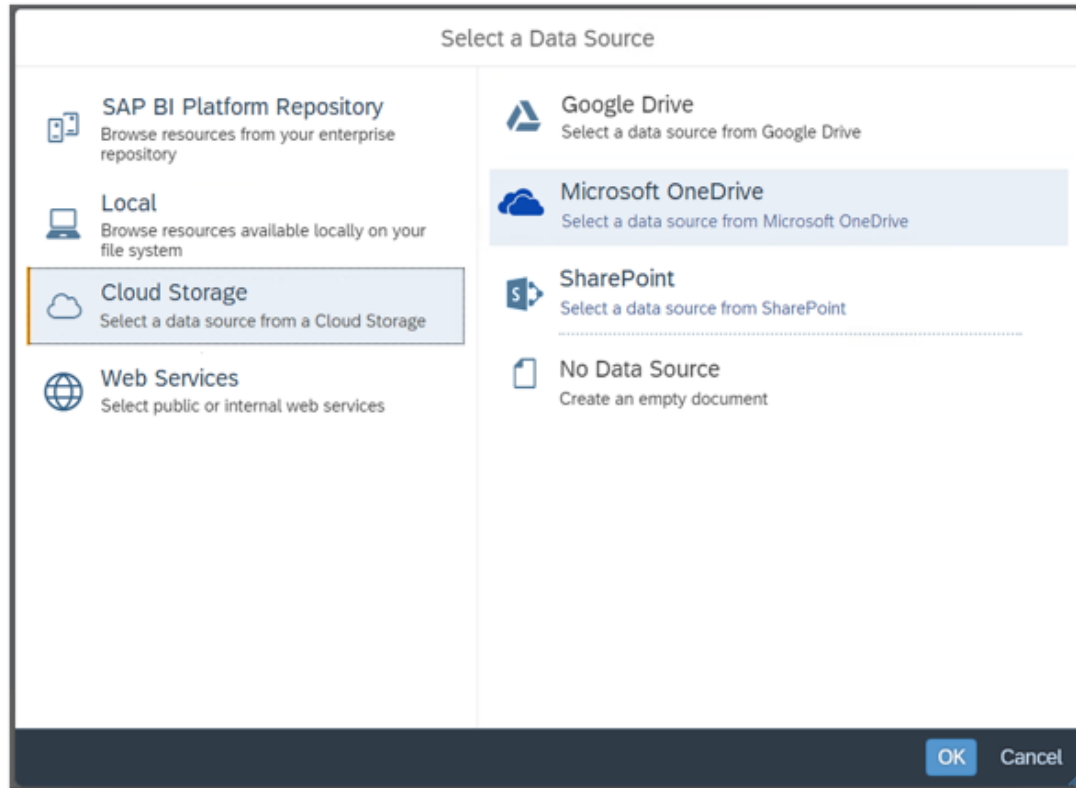
Two supported operations

- Append flows
- Left join
- More to come...



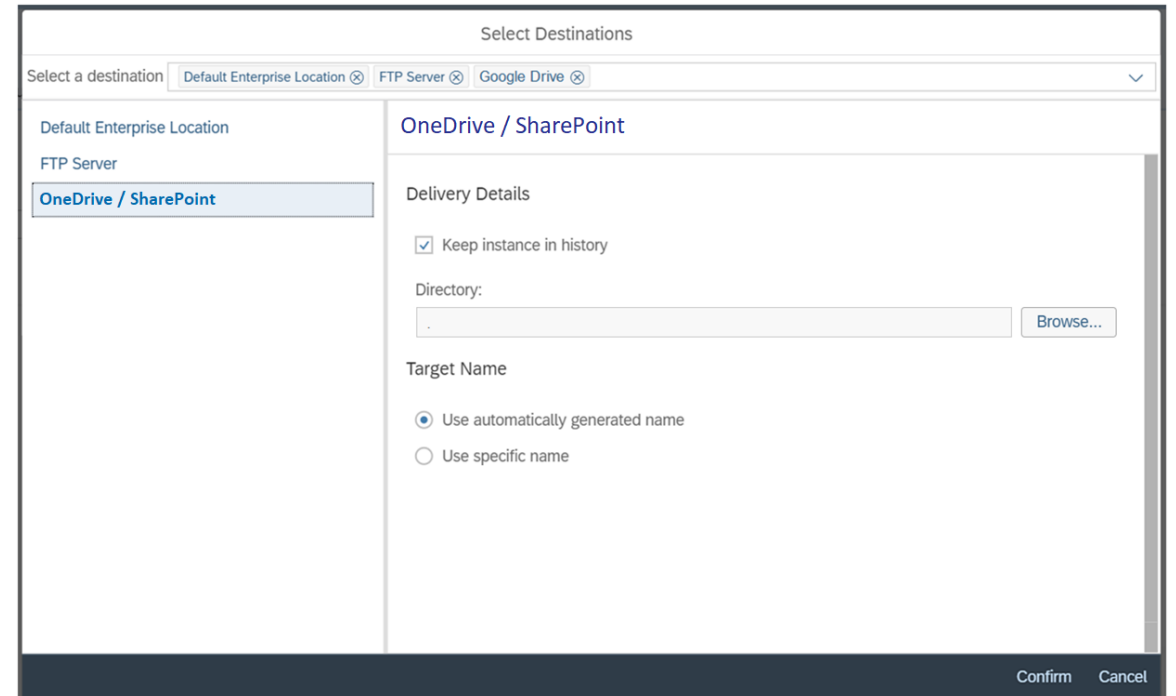
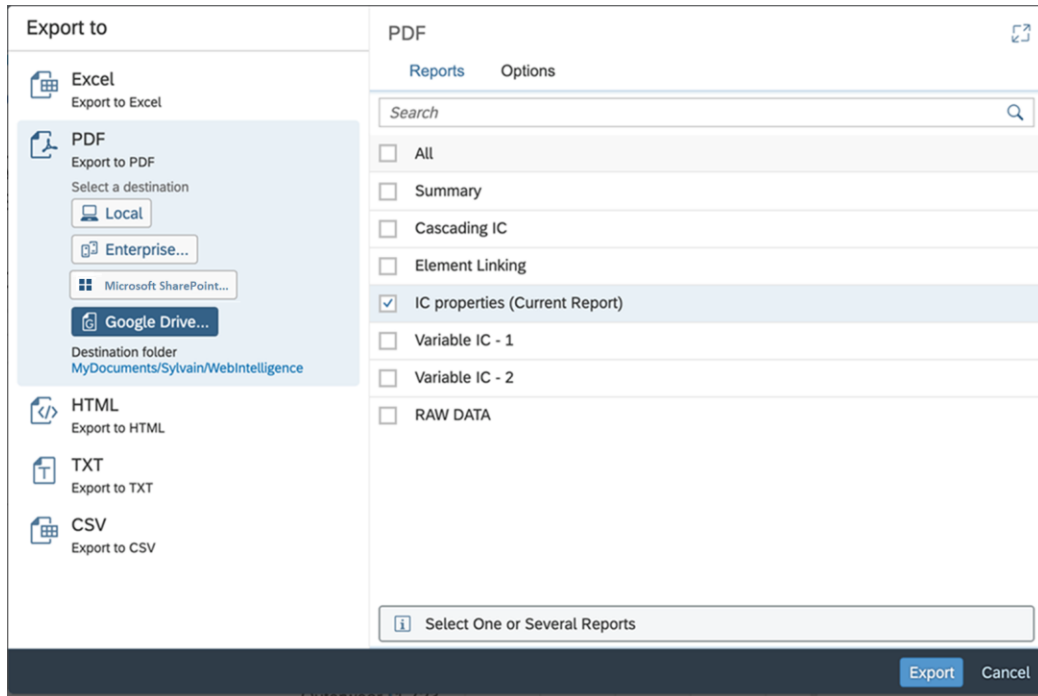
Incremental Enhancement: Data Source Repository

Use Microsoft OneDrive as repository for data sources such as Excel and text files

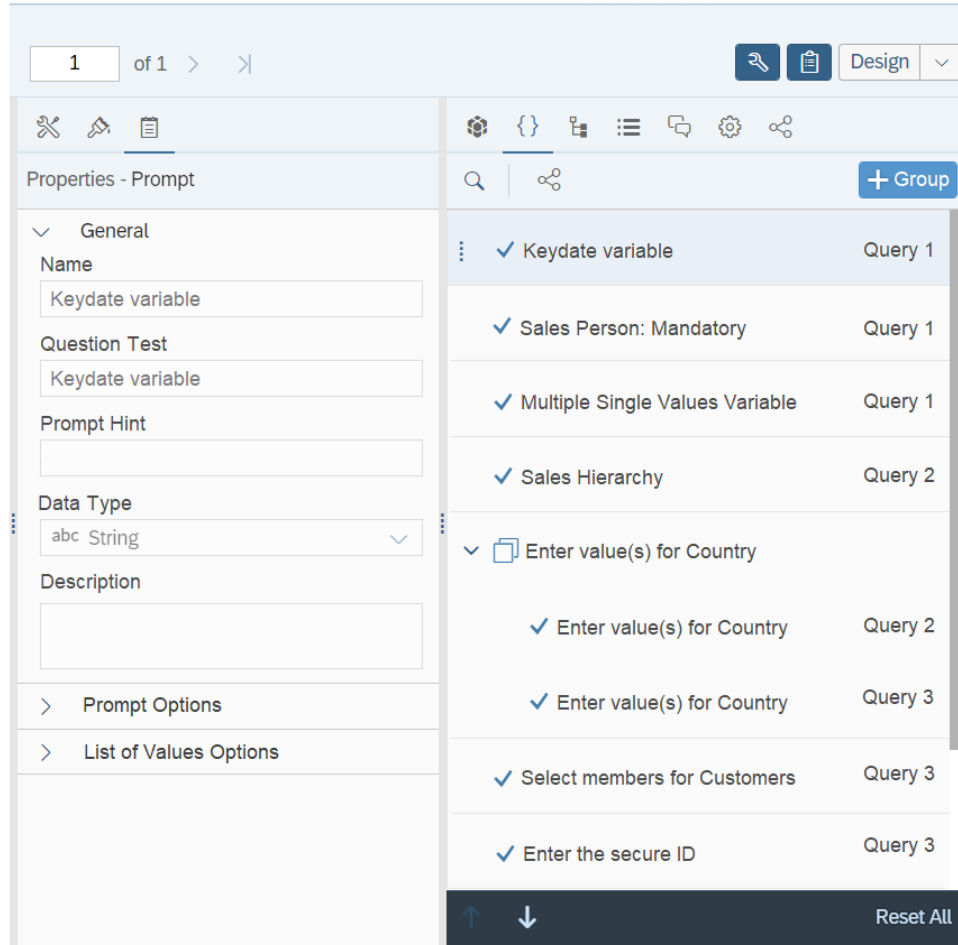


Incremental Enhancement: Repository Destination

- Schedule to Microsoft OneDrive / SharePoint
- Schedule to GoogleDrive is already in SAP BI 4.3 SP2



Incremental Enhancement: Prompts



1 of 1 > > | Design

Properties - Prompt

General

Name: Keydate variable

Question Test: Keydate variable

Prompt Hint:

Data Type: abc String

Description:

Prompt Options

List of Values Options

Query	Prompt
Query 1	Keydate variable
Query 1	Sales Person: Mandatory
Query 1	Multiple Single Values Variable
Query 2	Sales Hierarchy
Query 2	Enter value(s) for Country
Query 2	Enter value(s) for Country
Query 3	Enter value(s) for Country
Query 3	Select members for Customers
Query 3	Enter the secure ID

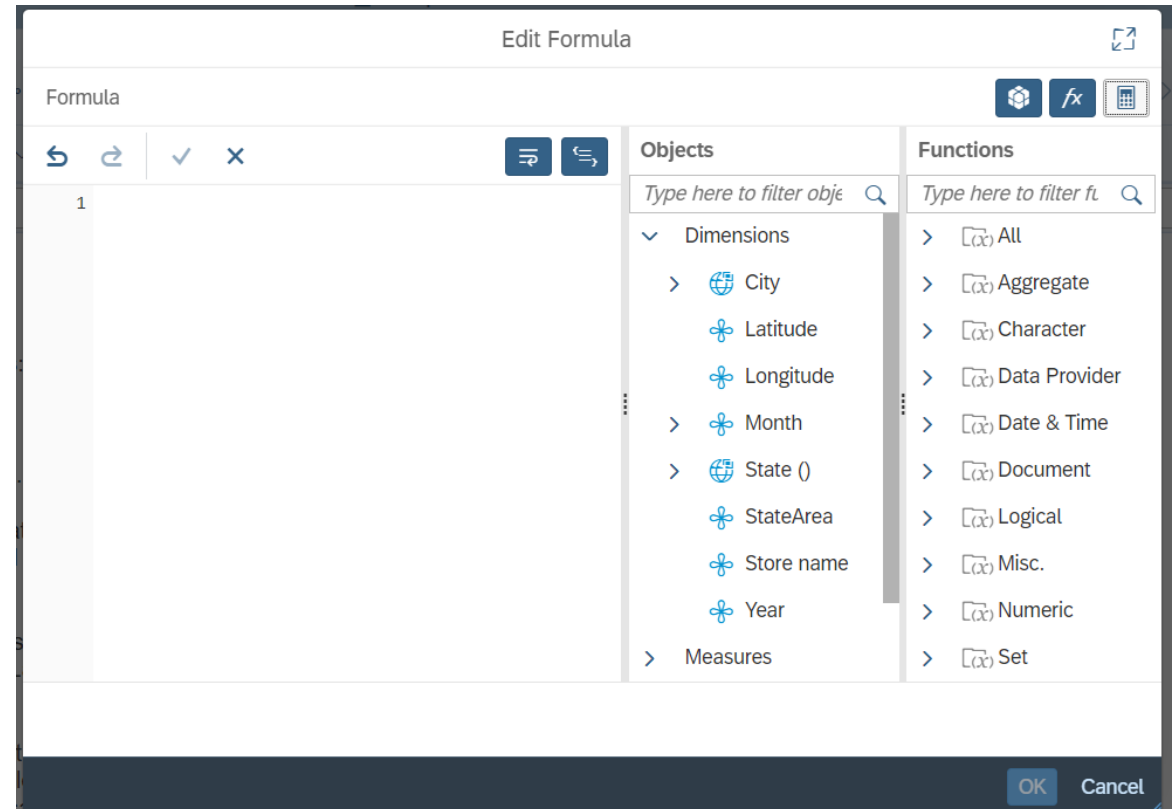
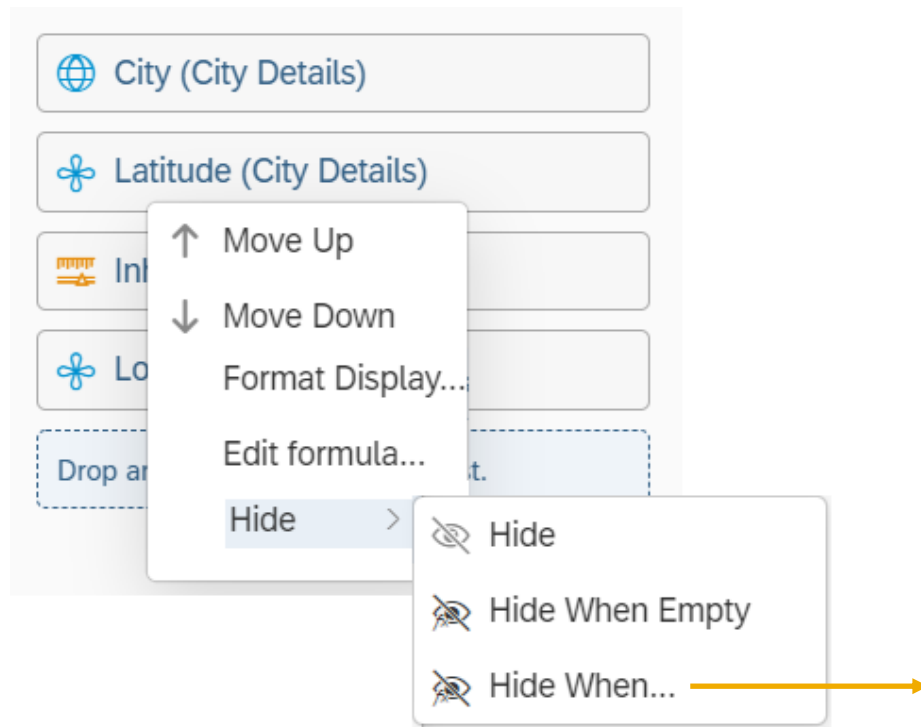
Reset All

New Prompt Manager:

- Add hint (instructions) to users to describe the prompts
- Sort prompts from several queries
- Support of “Global” BI Variant

Incremental Enhancement: Hide Column When

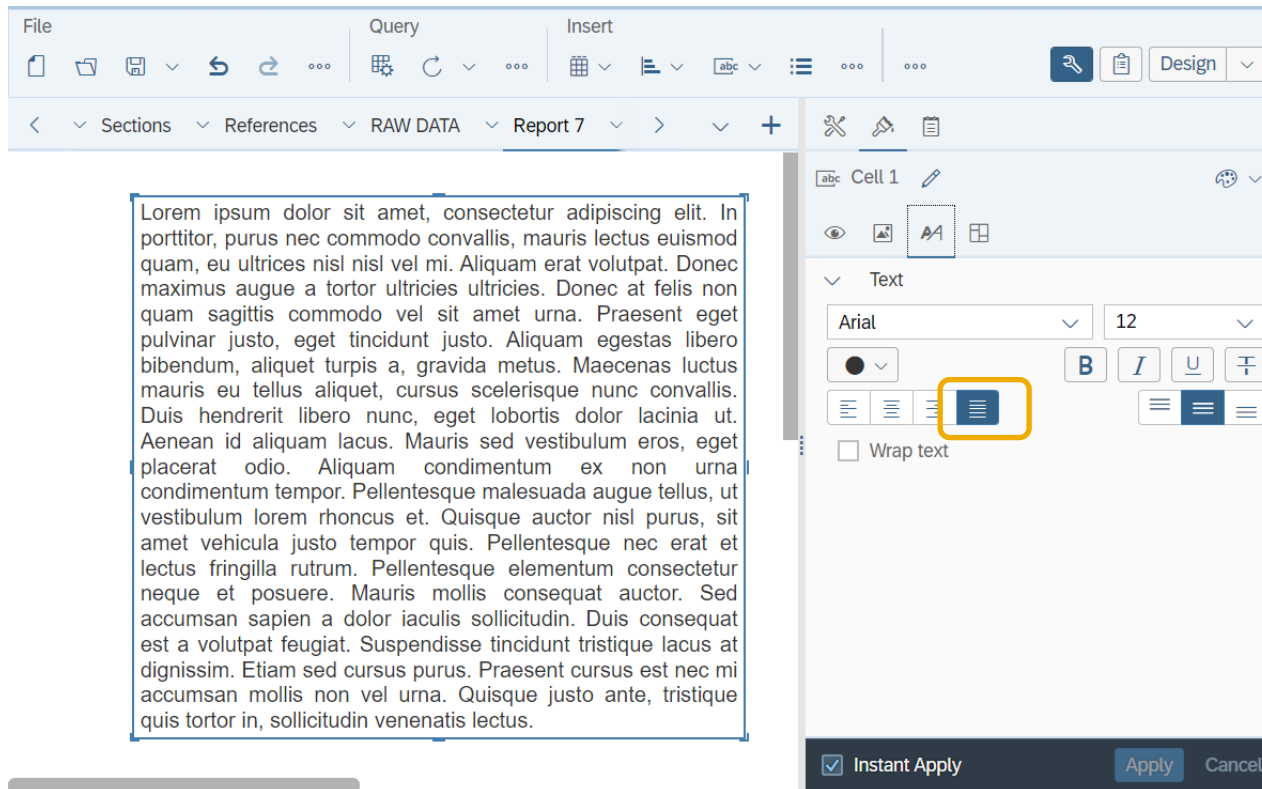
- Hide Column when Empty
- Hide Column When ...



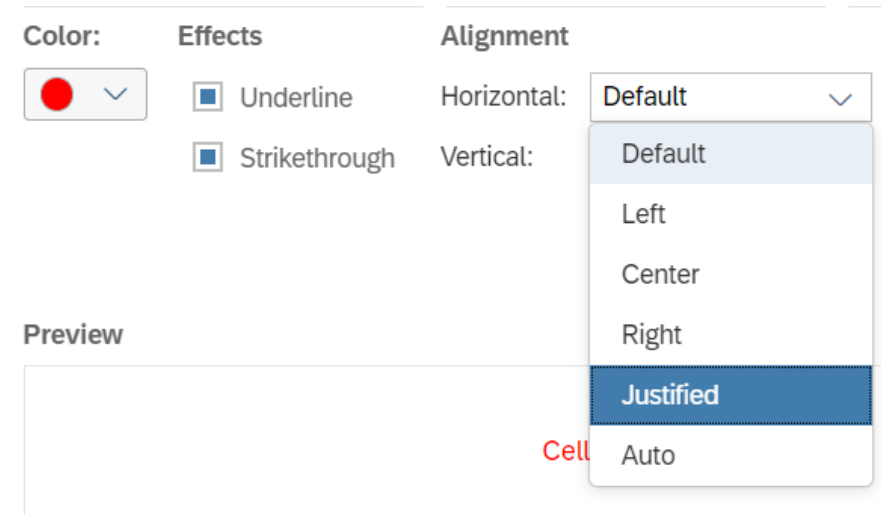
Incremental Enhancement: Text Justification

Support of text justification in :

- Format cell
- Conditional format



The screenshot shows the Microsoft Word interface. The ribbon is set to 'Design'. A table cell containing Lorem Ipsum text is selected. The 'Text' task pane is open on the right, showing the 'Justify' alignment icon highlighted with a yellow box. The 'Wrap text' checkbox is unchecked. At the bottom of the task pane, the 'Instant Apply' checkbox is checked, and 'Apply' and 'Cancel' buttons are visible.



The screenshot shows the 'Alignment' dropdown menu. The 'Justified' option is selected and highlighted in blue. The 'Preview' section below the menu shows a red 'Cell' label next to a preview area.

Color:	Effects	Alignment
●	<input type="checkbox"/> Underline	Horizontal: Default
	<input type="checkbox"/> Strikethrough	Vertical: Default
		Left
		Center
		Right
		Justified
		Auto

Incremental Enhancement: Treillis

New Charts Types

Turn Into...

Grid Bar Line

Pie Column Scatter

Area Multiple Scatter Plot

Scatter Matrix Multiple Geo Bubble Multiple Geo Choropleth

Data Assign

Category

Measures near

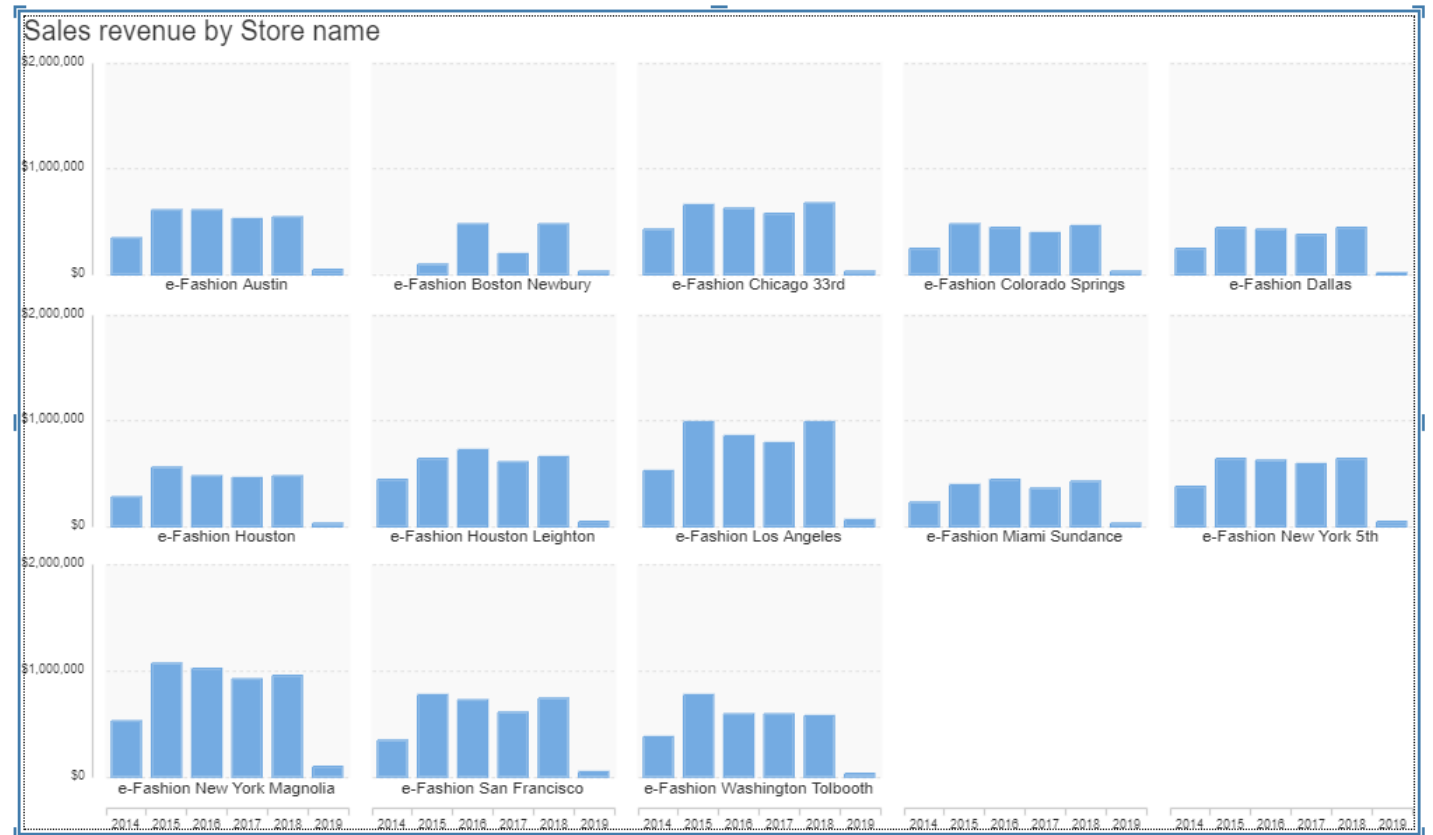
Drop an object

Value Axis

Sales revenue

Drop an object

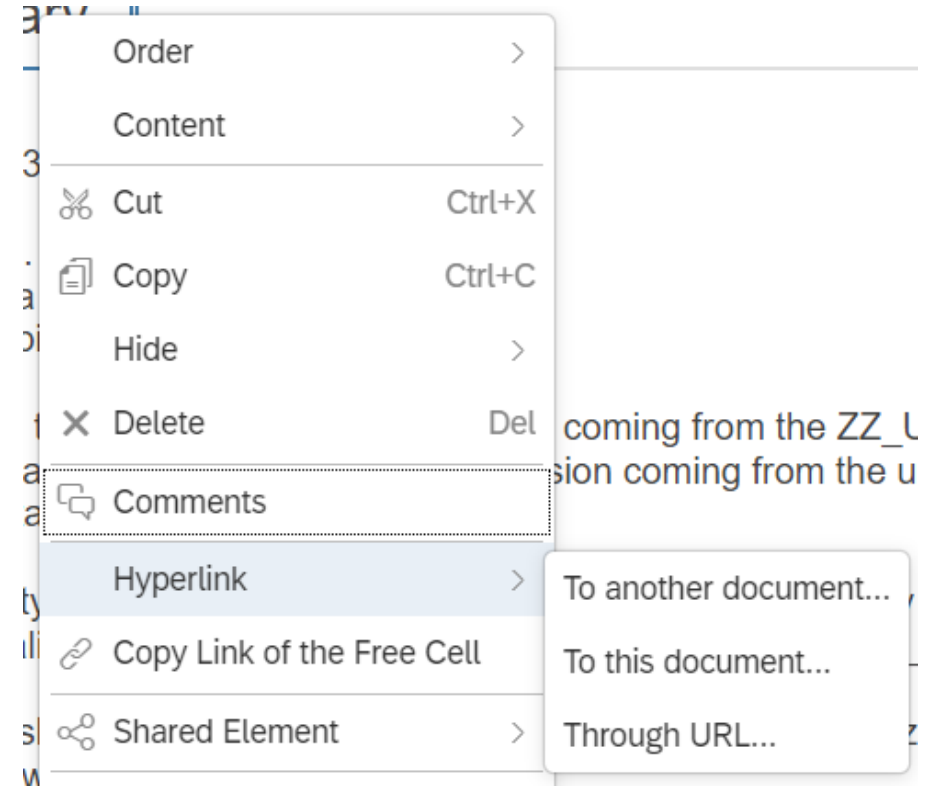
Instant Axis



Hyperlink: Simplified Workflow

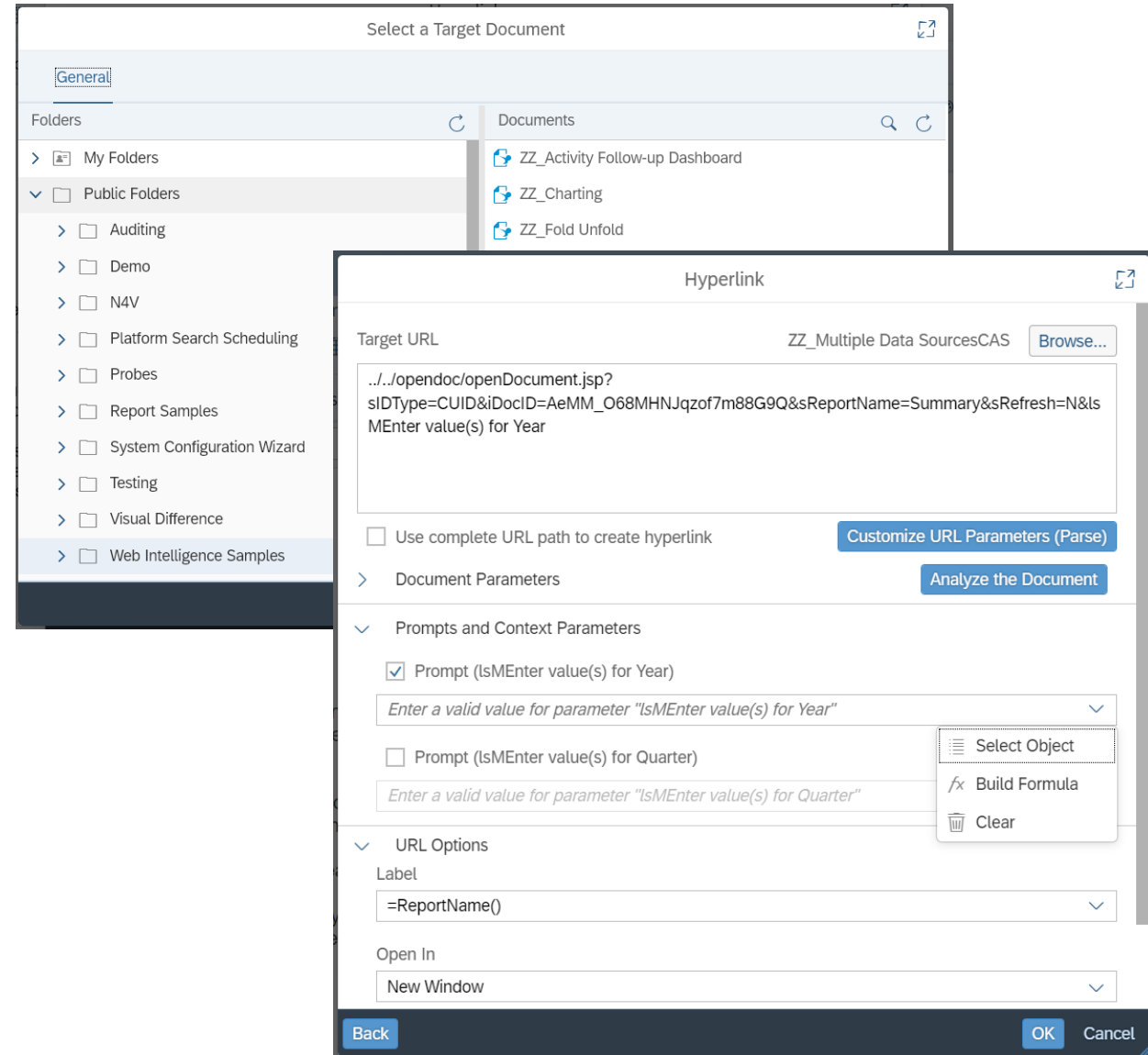
Improve the **Hyperlink** dialog box usability by reducing the number of steps and windows :

- When adding an Hyperlink, in the context menu, select the hyperlink type:
 - To another document
 - To this document
 - Through URL
- It will then directly opens the corresponding workflow...



Hyperlink: Inter-Document Link

- When adding an URL to another document, it will directly opens the **Browse repository** dialog
- Once document selection is done, the tool will parse the document automatically to identify reports name and prompts :
- All possible **OpenDoc** options are listed in the panel.
- You can click **Analyze** later to synchronize



The image shows two overlapping dialog boxes from a software application.

The top dialog, titled "Select a Target Document", has a "General" tab and a "Folders" pane on the left. The "Public Folders" folder is expanded, showing a list of folders: Auditing, Demo, N4V, Platform Search Scheduling, Probes, Report Samples, System Configuration Wizard, Testing, Visual Difference, and Web Intelligence Samples. The "Documents" pane on the right shows a list of documents: ZZ_Activity Follow-up Dashboard, ZZ_Charting, and ZZ_Fold Unfold.

The bottom dialog, titled "Hyperlink", is used for configuring a link. It has a "Target URL" field containing the text:


```
../..../opendoc/openDocument.jsp?
sIDType=CUID&iDocID=AeMM_O68MHNJqzof7m88G9Q&sReportName=Summary&sRefresh=N&ls
MEnter value(s) for Year
```

 A "Browse..." button is next to the field. Below the field, there is a checkbox for "Use complete URL path to create hyperlink" and a "Customize URL Parameters (Parse)" button. The "Document Parameters" section is expanded, showing a "Prompts and Context Parameters" section with a checked checkbox for "Prompt (lsMEnter value(s) for Year)". Below this is a text input field with the placeholder text "Enter a valid value for parameter 'lsMEnter value(s) for Year'". There is also a checkbox for "Prompt (lsMEnter value(s) for Quarter)" and another text input field with the same placeholder. A context menu is open over the second input field, showing options: "Select Object", "Build Formula", and "Clear". The "URL Options" section is also expanded, showing a "Label" field with the text "=ReportName()" and an "Open In" dropdown menu set to "New Window". At the bottom of the dialog are "Back", "OK", and "Cancel" buttons.

Hyperlink: Intra-Document Link

Case : Intra-document link with filters :

- Use **Input Controls** to filter target report and replace prompts
- After the user has selected the report, the UI displays the existing Input Controls that apply to this report
- For each Input Control, the user can select the value to pass when the link is clicked

Targeted Report within the Document:

Sales

Link Options

Label

Go to Sales

Tooltip

Details of Sales for the selected city

Add preview to tooltip

Input Controls

Year

Enter a valid value for Input Control "Year"

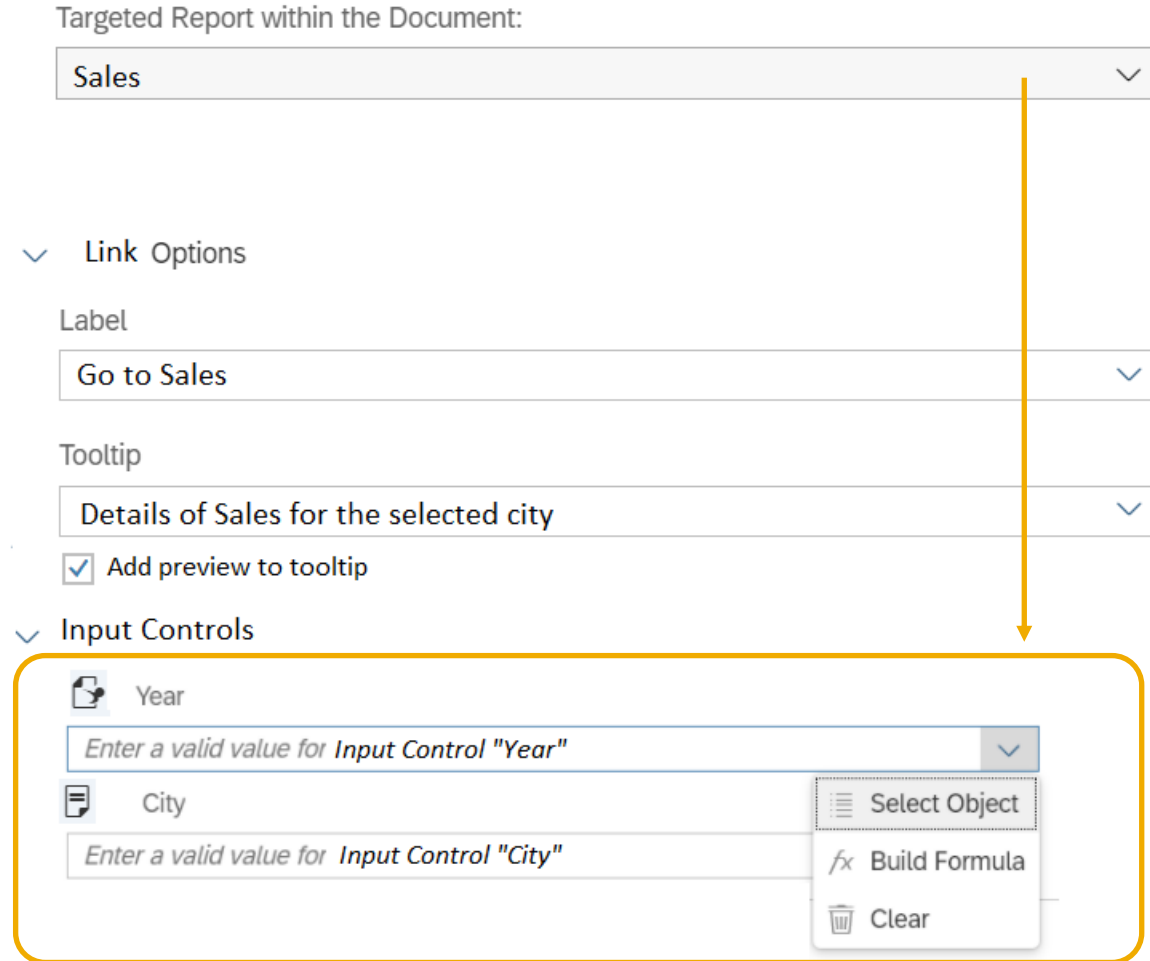
City

Enter a valid value for Input Control "City"

Select Object

Build Formula

Clear

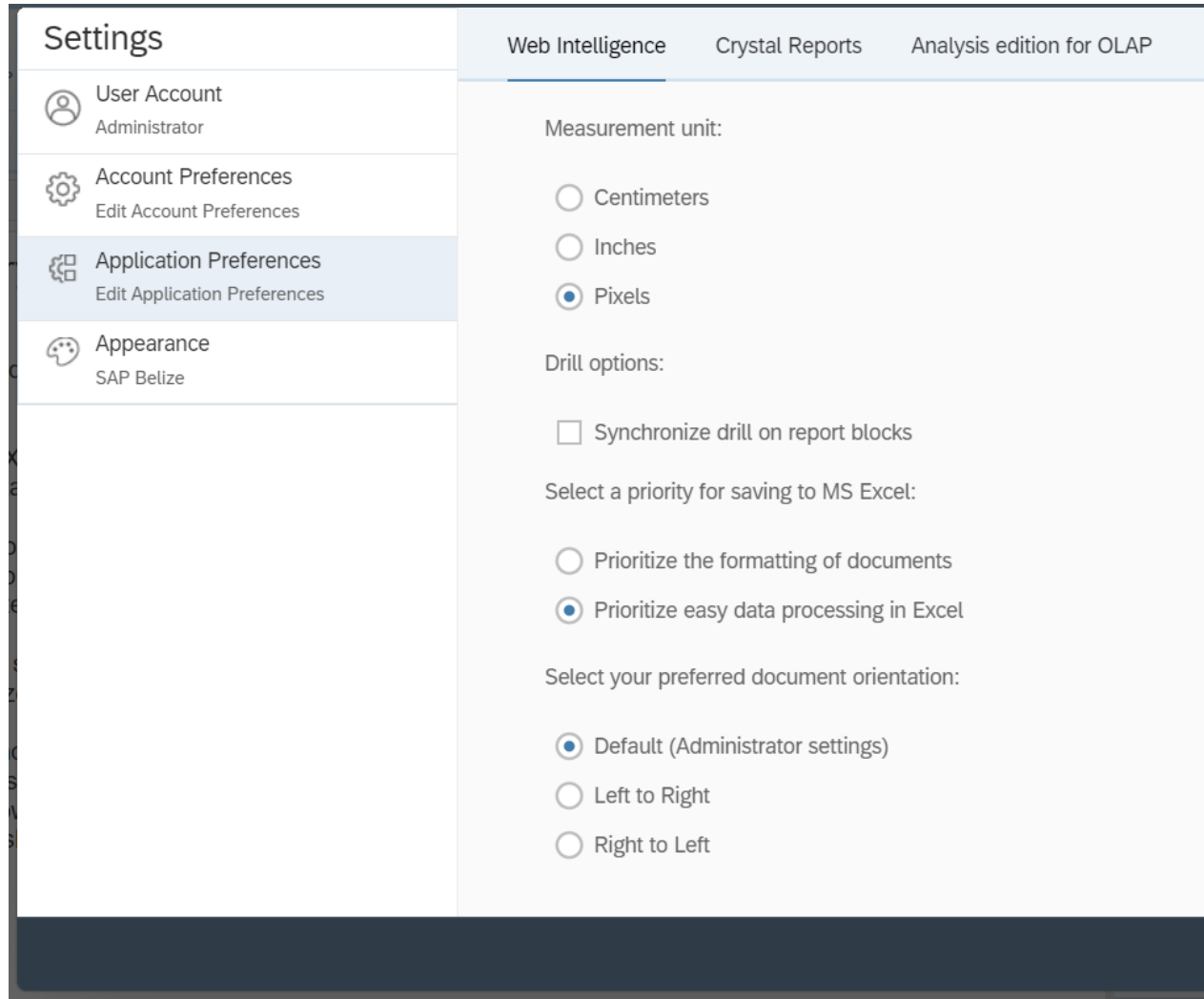


List of input controls of "Sales" report

Reporting: Pixel Measurement

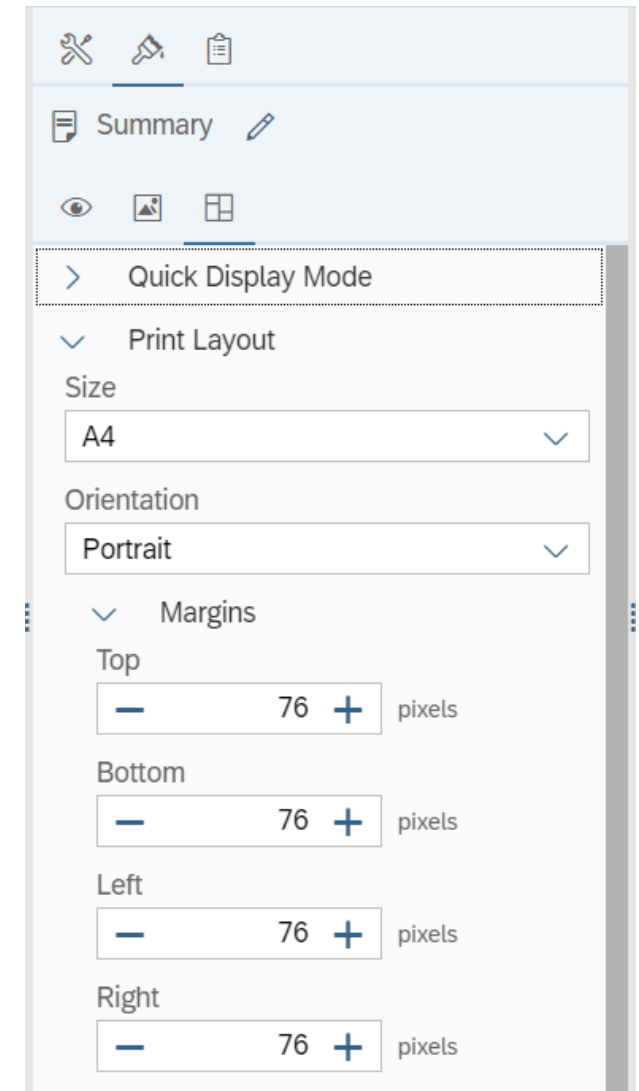
New Web Intelligence user settings

- Measurement unit: cm / inch / **pixel**



The screenshot shows the 'Settings' page for a user named 'Administrator'. The 'Application Preferences' section is active, showing the following settings:

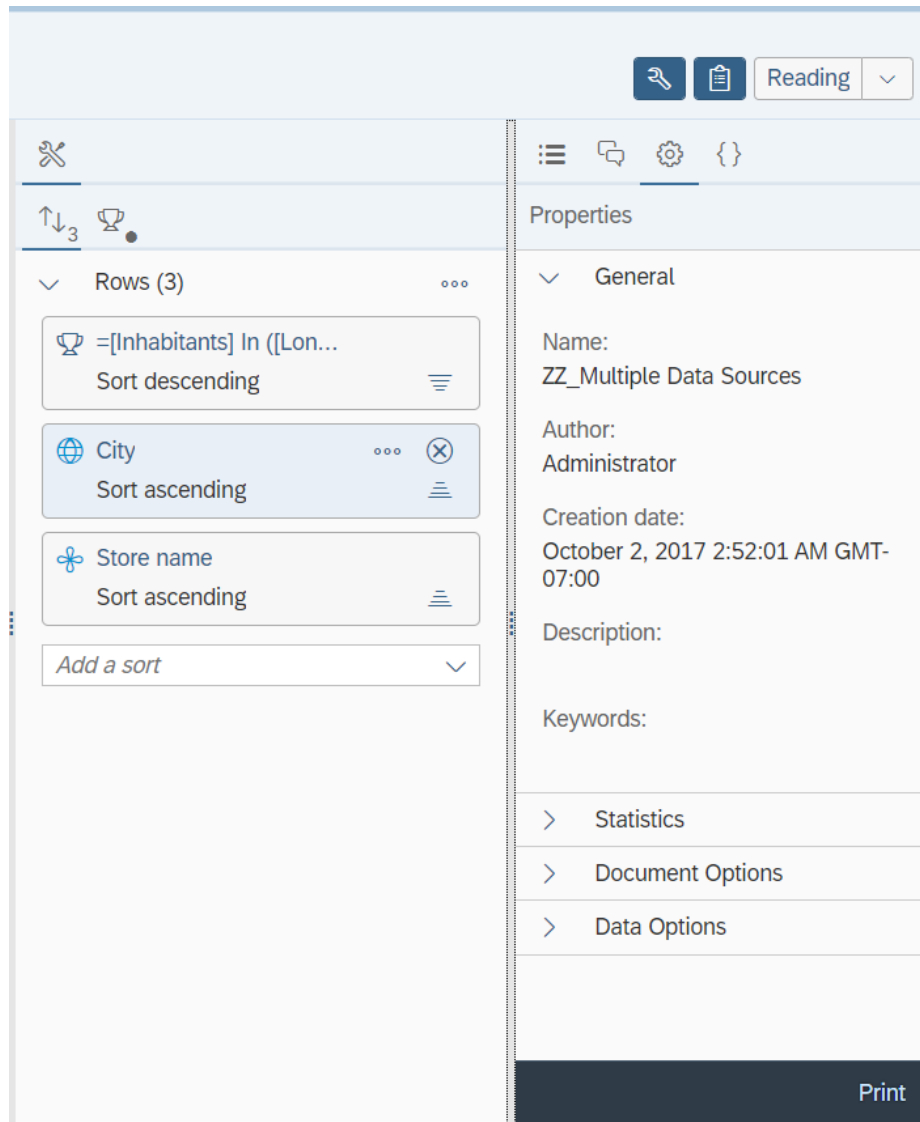
- Measurement unit:**
 - Centimeters
 - Inches
 - Pixels
- Drill options:**
 - Synchronize drill on report blocks
- Select a priority for saving to MS Excel:**
 - Prioritize the formatting of documents
 - Prioritize easy data processing in Excel
- Select your preferred document orientation:**
 - Default (Administrator settings)
 - Left to Right
 - Right to Left



The screenshot shows the 'Print Layout' settings page. The 'Quick Display Mode' is selected. The 'Print Layout' section is expanded, showing the following settings:

- Size:** A4
- Orientation:** Portrait
- Margins:**
 - Top: 76 pixels
 - Bottom: 76 pixels
 - Left: 76 pixels
 - Right: 76 pixels

Usability: Reading Mode Sorting / Ranking



Reading

Sort

Rows (3) Sort descending

City Sort ascending

Store name Sort ascending

Add a sort

Properties

General

Name: ZZ_Multiple Data Sources

Author: Administrator

Creation date: October 2, 2017 2:52:01 AM GMT-07:00

Description:

Keywords:

Statistics

Document Options

Data Options

Print

In Reading mode, in the **Build** side panel

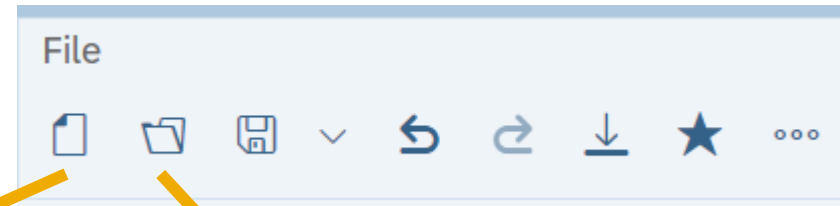
- **Sort** tab
- **Ranking** tab

Same behavior than in Design mode

Usability: Open / New

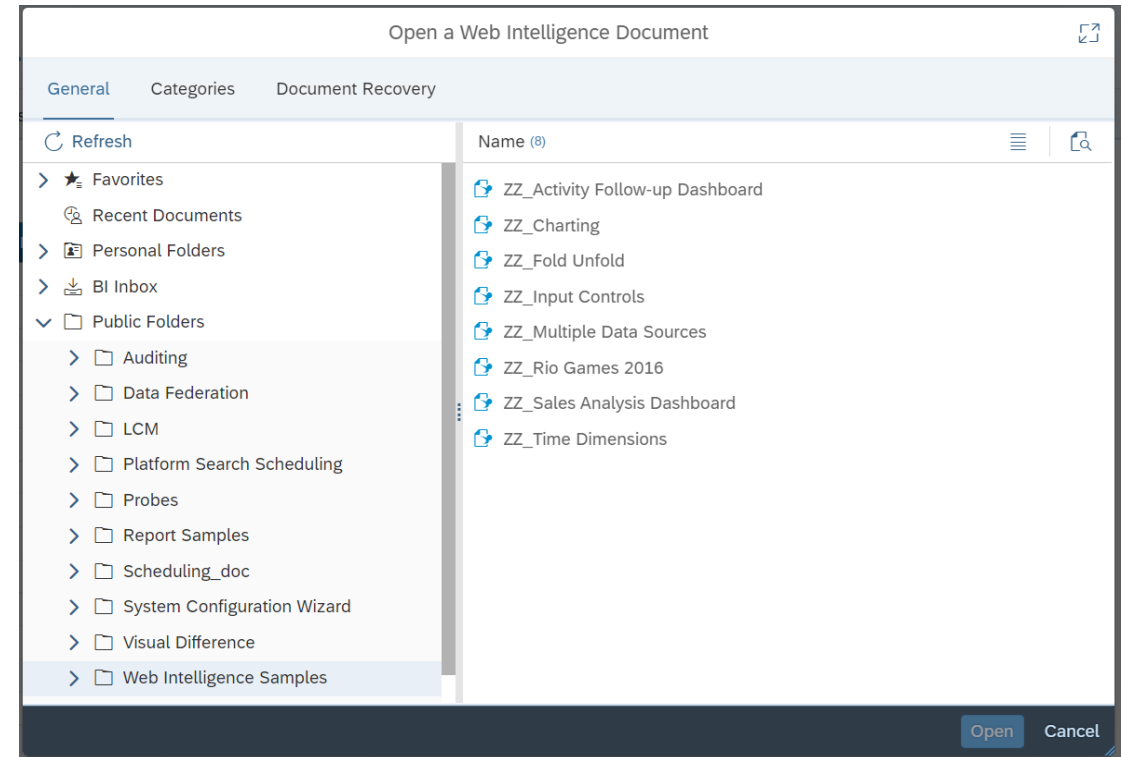
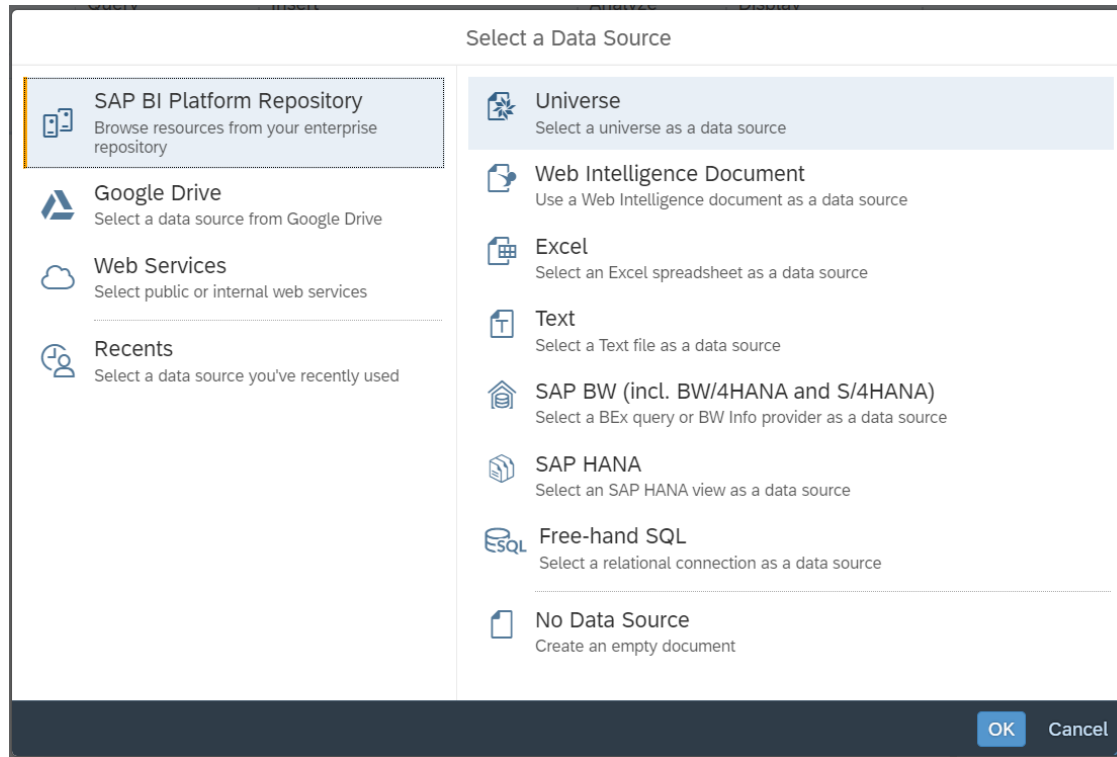
In Reading/Design modes:

- **New** and **Open** actions from toolbar



New document

Open document



Usability: Report Element Guides

Guides for Alignment

- Help report element positioning

StateArea	Area
Area: California	704
Area: Colorado	232
Area: DC	606
Area: Florida	507
Area: Illinois	999
Area: Massachusetts	1,625
Area: New York	1,302
Area: Texas	145

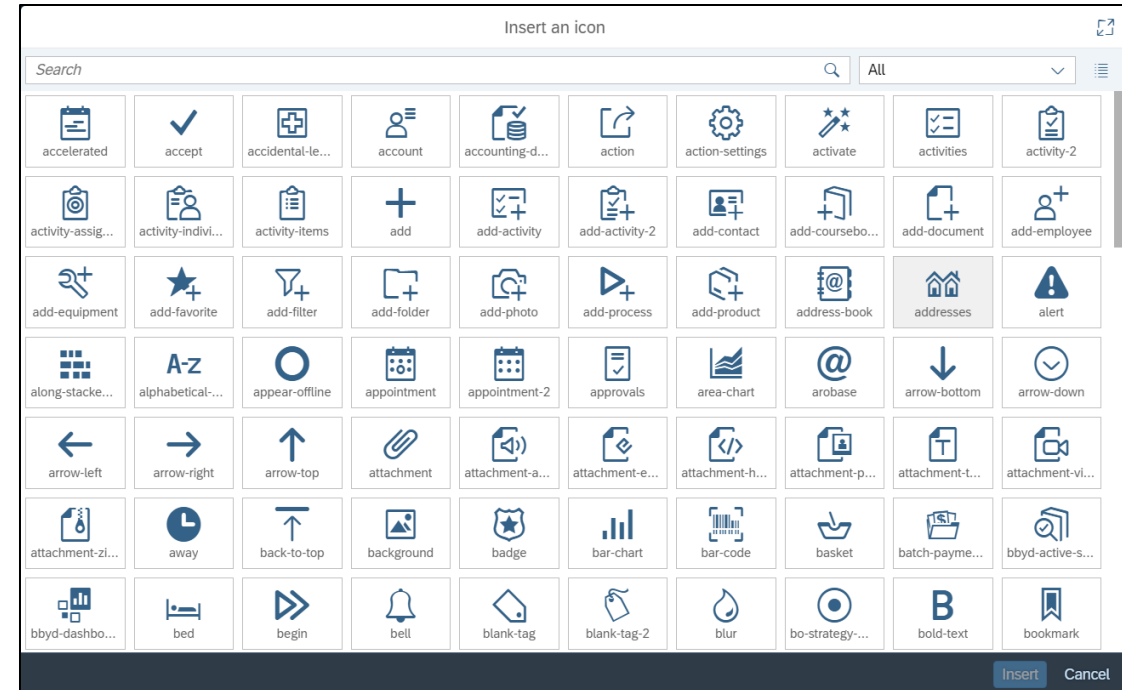
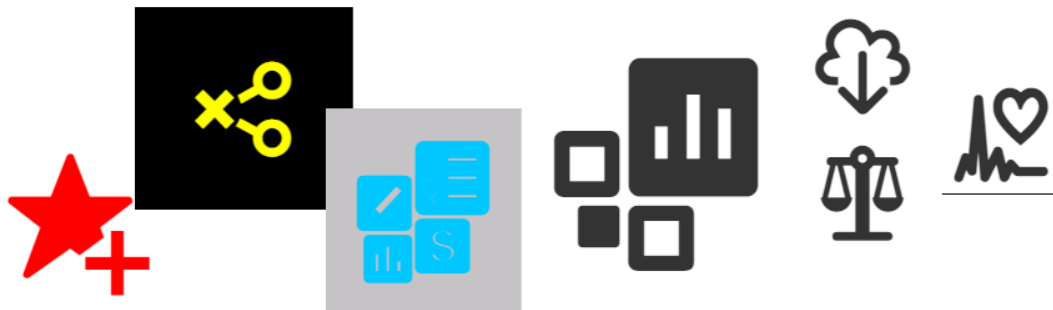
City	Latitude	Longitude	Inhabitants
Austin	30.27	-97.74	931,830
Boston	42.36	-71.06	667,137
Chicago	41.88	-87.63	2,695,598
Colorado Springs	38.83	-104.82	416,427
Dallas	32.78	-96.8	1,300,092
Houston	29.76	-95.37	2,099,451
Los Angeles	34.05	-118.25	3,971,883
Miami	25.73	-80.24	399,457
New York	40.71	-74.01	8,550,405
San Francisco	37.78	-122.42	870,887
Washington	38.89	-77.03	681,170

City	Month	State	Quantity sold	Sales revenue
Austin	1	Texas	1,450	\$235,419
Austin	2	Texas	1,110	\$168,751

Usability: icons

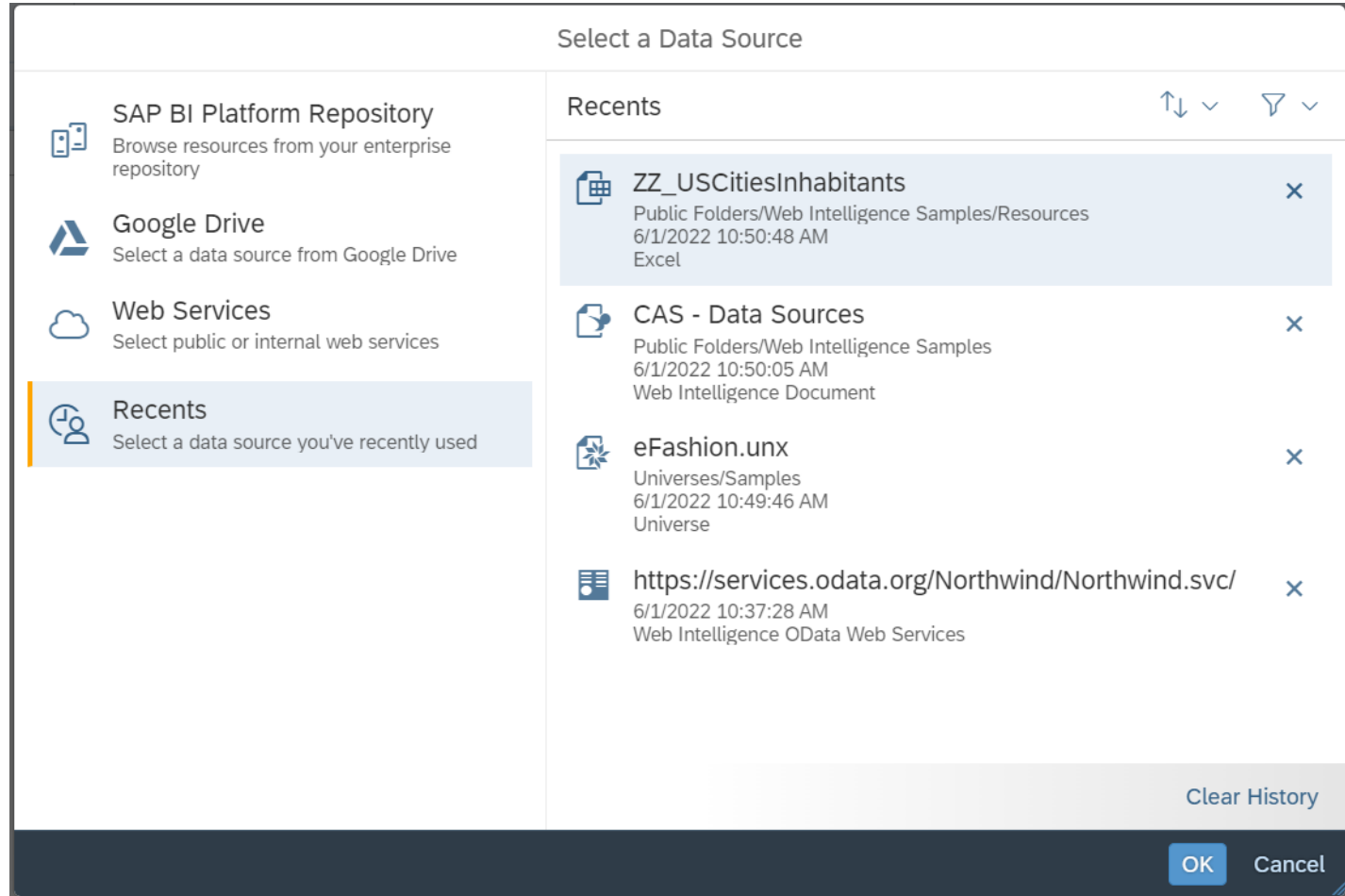
Insert icons to enrich the expressiveness of your Web report.

- 665 icons at your disposal
- Organized by tags : time, speed, calendar, document, activities, etc



Usability: Recent Data Sources

Keep history of the last used data sources



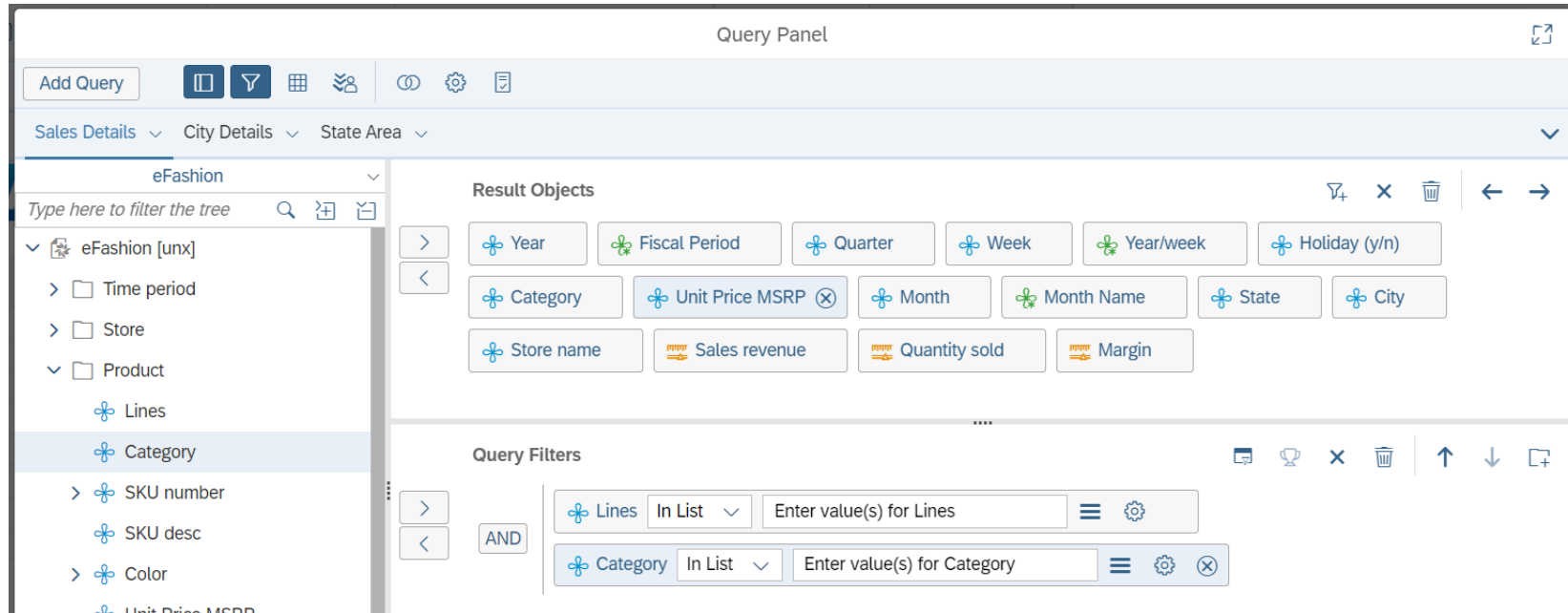
The screenshot shows a dialog box titled "Select a Data Source". On the left, there are four categories: "SAP BI Platform Repository", "Google Drive", "Web Services", and "Recents". The "Recents" category is selected and highlighted. On the right, a list of recent data sources is displayed under the heading "Recents". Each entry includes an icon, the name of the data source, its location, the date and time it was last used, and the file type. A "Clear History" link is located at the bottom right of the list. At the bottom of the dialog, there are "OK" and "Cancel" buttons.

Category	Data Source Name	Location	Last Used	File Type
Recents	ZZ_USCitiesInhabitants	Public Folders/Web Intelligence Samples/Resources	6/1/2022 10:50:48 AM	Excel
Recents	CAS - Data Sources	Public Folders/Web Intelligence Samples	6/1/2022 10:50:05 AM	Web Intelligence Document
Recents	eFashion.unx	Universes/Samples	6/1/2022 10:49:46 AM	Universe
Recents	https://services.odata.org/Northwind/Northwind.svc/		6/1/2022 10:37:28 AM	Web Intelligence OData Web Services

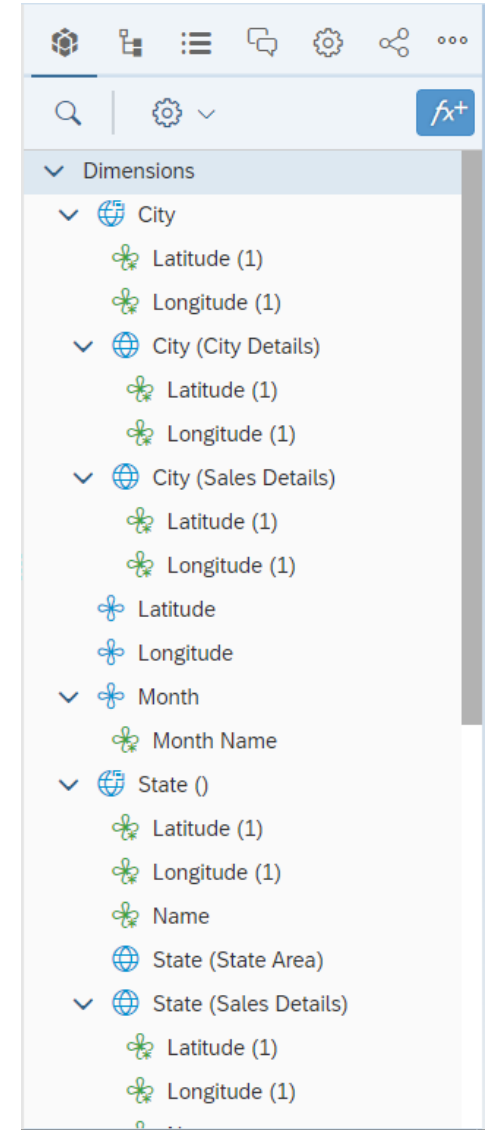
Usability: Reduce Empty Space

In the Query Panel:

- Object size is proportional to object name length
- Tree list: space between lines has been reduced



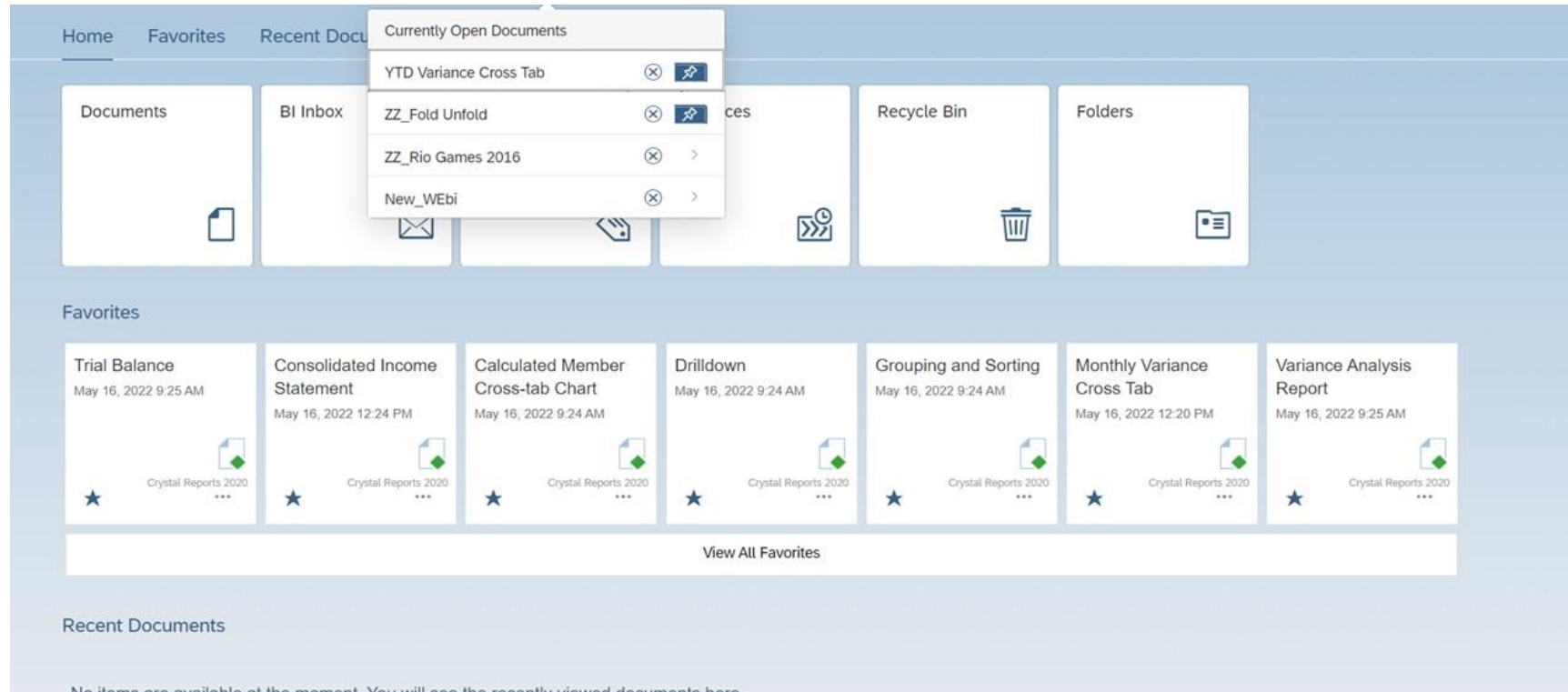
The screenshot shows the 'Query Panel' interface. On the left is a tree view for 'eFashion' with categories like 'Time period', 'Store', 'Product', and 'Category'. The main area displays 'Result Objects' as a horizontal list of buttons: Year, Fiscal Period, Quarter, Week, Year/week, Holiday (y/n), Category, Unit Price MSRP, Month, Month Name, State, City, Store name, Sales revenue, Quantity sold, and Margin. Below this is the 'Query Filters' section with two filter rows: 'Lines' and 'Category', each with an 'In List' dropdown and an input field for values.



This screenshot shows a 'Dimensions' list in a query tool. The list is compact, with dimensions grouped under expandable headers: 'City', 'City (City Details)', 'City (Sales Details)', 'Month', 'State ()', and 'State (Sales Details)'. Each group contains sub-dimensions like 'Latitude (1)', 'Longitude (1)', and 'Name'. The list is presented in a clean, vertical format with minimal spacing between items.

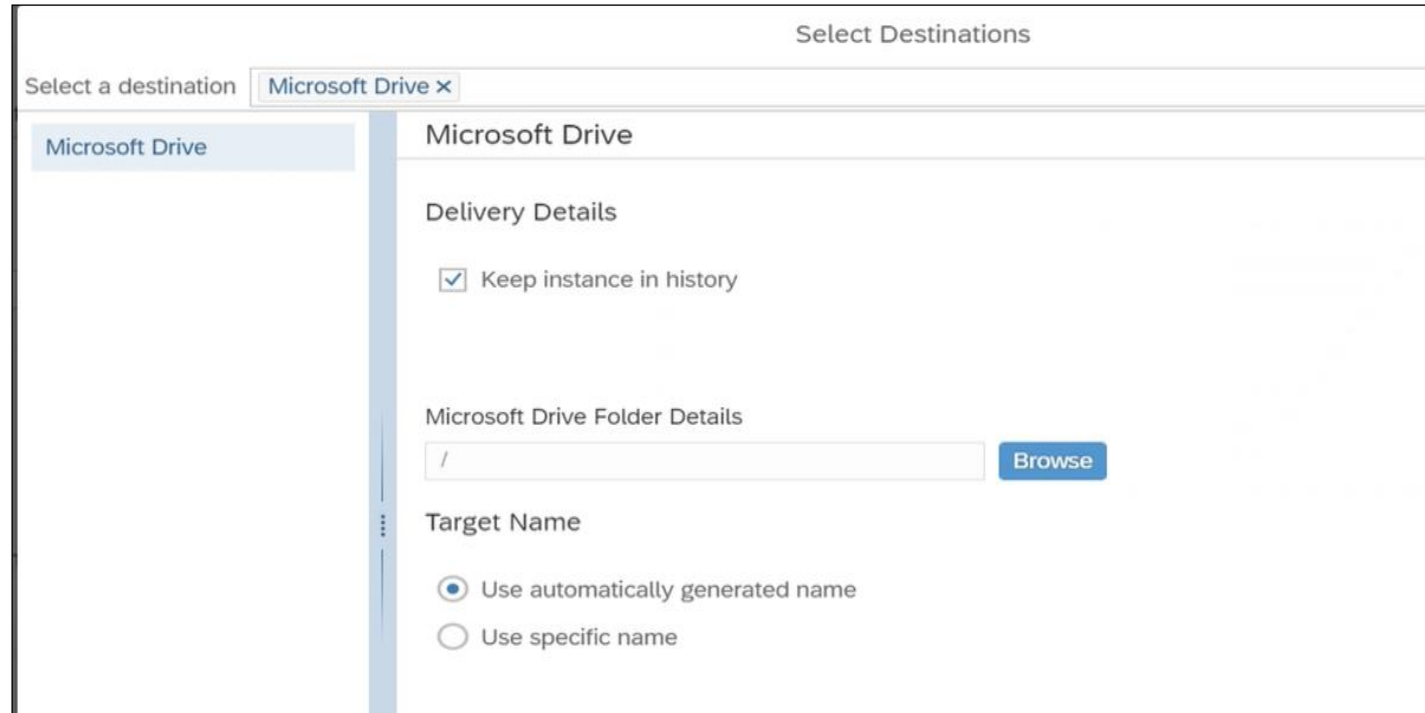
BI Launch Pad Reports Pinning

- In BI Launch Pad dropdown, display list of pinned documents.
- The documents already pinned in 4.2 need to persist the pinned behavior in 4.3 SP03. Note that those documents will be opened only when you will click on them. This means that the first time the user will have to wait a little bit.



Schedule to Microsoft One Drive / Sharepoint

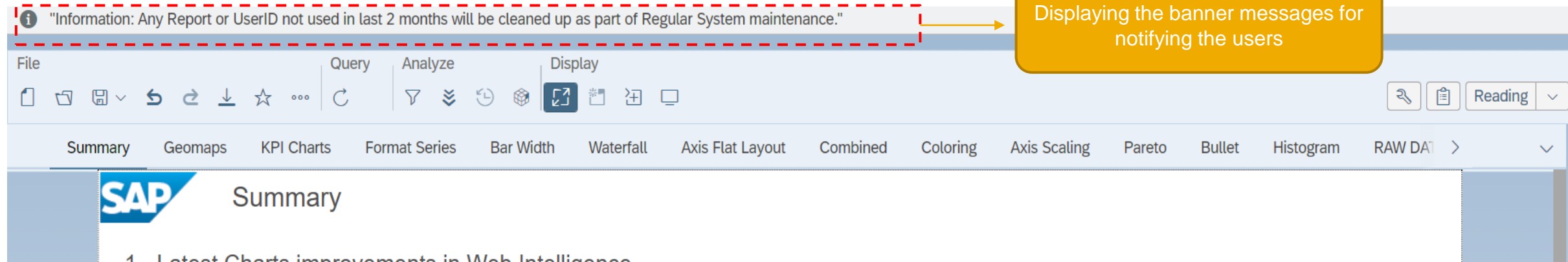
- BI Launch Pad, be able to:
 - Schedule BI content (Webi and CR) directly to MSFT OneDrive and SharePoint
 - Similar to Schedule to Google Drive feature (SP02)



The screenshot shows a 'Select Destinations' dialog box. At the top, it says 'Select a destination' with a dropdown menu showing 'Microsoft Drive x'. Below this, there is a list of destinations with 'Microsoft Drive' selected. To the right of the list, there are configuration options for the selected destination. Under 'Delivery Details', there is a checked checkbox for 'Keep instance in history'. Under 'Microsoft Drive Folder Details', there is a text input field containing a forward slash '/' and a 'Browse' button. At the bottom, there is a 'Target Name' section with two radio button options: 'Use automatically generated name' (which is selected) and 'Use specific name'.

UX improvements (1/3)

Try to make BILP controls as similar as possible to SAC controls.



The screenshot shows the top part of a SAP report interface. At the top, a banner message is displayed: "Information: Any Report or UserID not used in last 2 months will be cleaned up as part of Regular System maintenance." This message is enclosed in a red dashed box. Below the banner is a navigation bar with tabs for "File", "Query", "Analyze", and "Display". The "File" tab is active, showing icons for file operations. Below the navigation bar is a menu with various report options: Summary, Geomaps, KPI Charts, Format Series, Bar Width, Waterfall, Axis Flat Layout, Combined, Coloring, Axis Scaling, Pareto, Bullet, Histogram, and RAW DA. The "Summary" tab is selected, and the SAP logo is visible on the left.

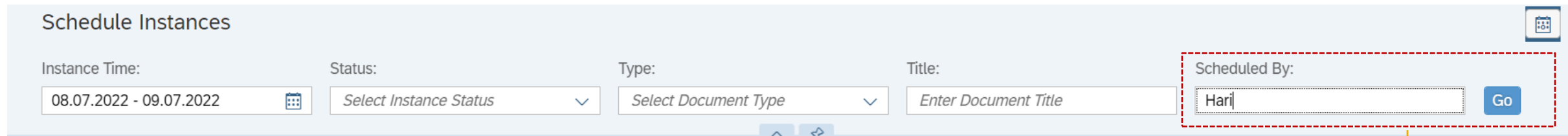
Information: Any Report or UserID not used in last 2 months will be cleaned up as part of Regular System maintenance.

File Query Analyze Display

Summary Geomaps KPI Charts Format Series Bar Width Waterfall Axis Flat Layout Combined Coloring Axis Scaling Pareto Bullet Histogram RAW DA

SAP Summary

Displaying the banner messages for notifying the users



The screenshot shows the "Schedule Instances" form in the SAP interface. The form has several input fields: "Instance Time" (08.07.2022 - 09.07.2022), "Status" (Select Instance Status), "Type" (Select Document Type), and "Title" (Enter Document Title). The "Scheduled By" field is highlighted with a red dashed box and contains the name "Hari". A "Go" button is located to the right of the "Scheduled By" field.

Schedule Instances

Instance Time: 08.07.2022 - 09.07.2022

Status: Select Instance Status

Type: Select Document Type

Title: Enter Document Title

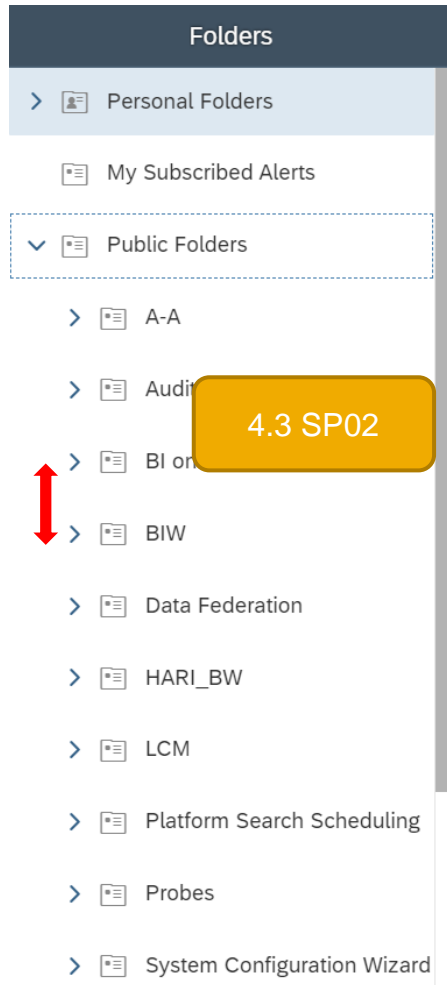
Scheduled By: Hari

Go

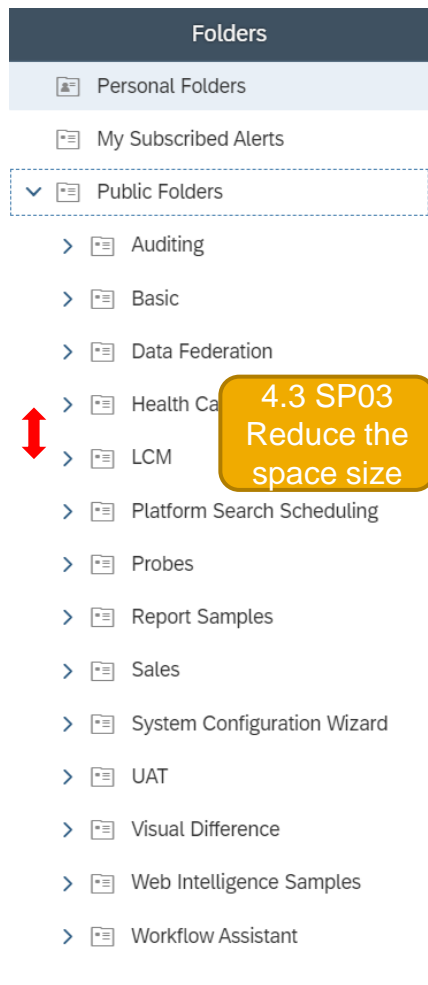
In Instance page, filter the Schedules based on users

UX improvements (2/3)

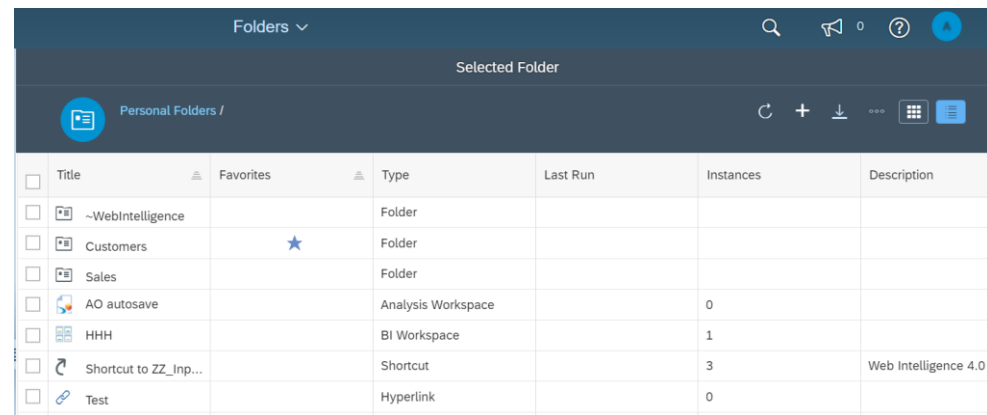
Reduce space



4.3 SP02

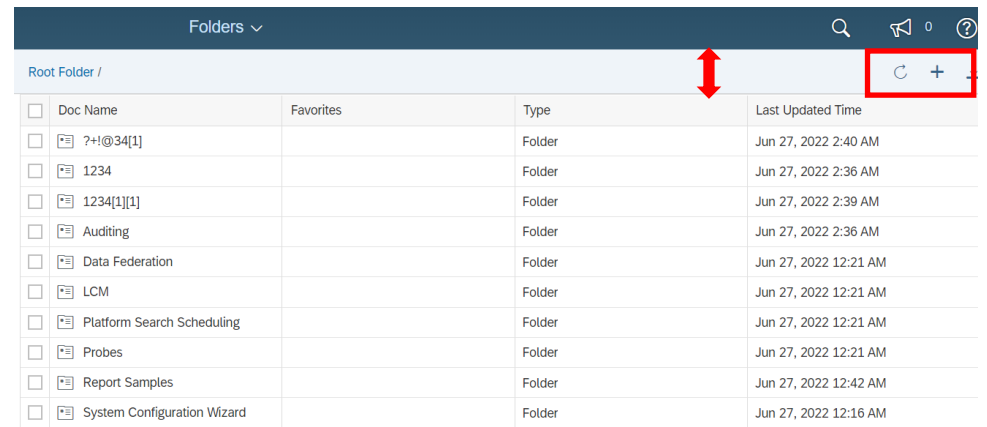


4.3 SP03
Reduce the space size



4.3 SP02

Title	Favorites	Type	Last Run	Instances	Description
~WebIntelligence		Folder			
Customers	★	Folder			
Sales		Folder			
AO autosave		Analysis Workspace		0	
HHH		BI Workspace		1	
Shortcut to ZZ_Inp...		Shortcut		3	Web Intelligence 4.0
Test		Hyperlink		0	



4.3 SP03
Space optimization in tables

Doc Name	Favorites	Type	Last Updated Time
?+!@34[1]		Folder	Jun 27, 2022 2:40 AM
1234		Folder	Jun 27, 2022 2:36 AM
1234[1][1]		Folder	Jun 27, 2022 2:39 AM
Auditing		Folder	Jun 27, 2022 2:36 AM
Data Federation		Folder	Jun 27, 2022 12:21 AM
LCM		Folder	Jun 27, 2022 12:21 AM
Platform Search Scheduling		Folder	Jun 27, 2022 12:21 AM
Probes		Folder	Jun 27, 2022 12:21 AM
Report Samples		Folder	Jun 27, 2022 12:42 AM
System Configuration Wizard		Folder	Jun 27, 2022 12:16 AM

UX improvements (3/3)

Reduce space

4.3 SP02



4.3 SP03

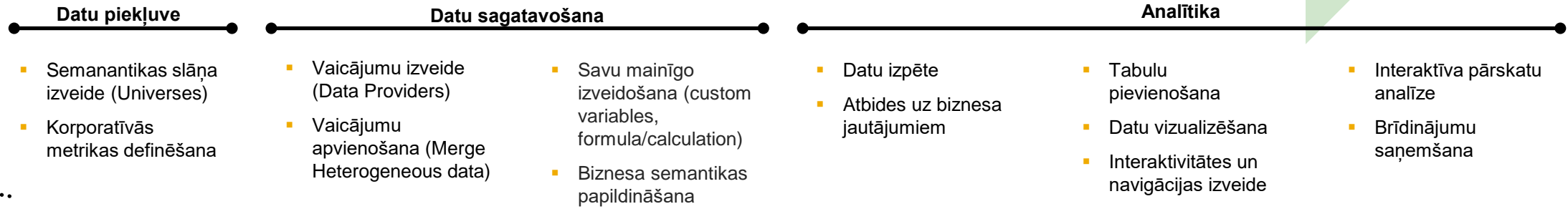
Less space, icon changes, ...



Kopsavilkums



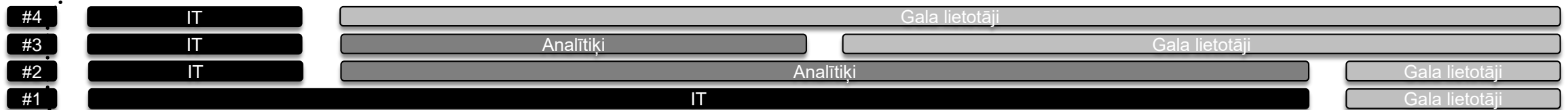
Kā?



Rīks?



Kurš?



iNFOTRUST



Paldies!

Maris Svilans
riga@theinfotrust.com
theinfotrust.com

Meet You next time!

iNFOTRUST



SAP BusinessObjects: inovāciju praktiskie piemēri

2023.GADA 18.MAIJS | 10:00 - 11:30

VEBINĀRS • TIEŠSAISTĒ

LATVIEŠU
VALODĀ

REĢISTRĀCIJA: ► theinfotrust.com

