

Webinar

What's Coming Next in SAP BusinessObjects - Version 4.3 SP3 and Beyond



Today's Session

Key Topics

- Introductions
- SAP Analytics/BI Roadmap Update
- SAP BusinessObjects 4.3
- APOS Migration Solution Update
- Q&A (see webinar console)

Today's Presenters



ALLAN PYM

Chief Operating Officer
APOS



PATRICK SIMS

Senior Director, SAP BTP Customer Success
Global Center of Excellence - Analytics
SAP

Who is APOS?

- Formed in 1992
- Enabling BI data connectivity, platform management, administration, migration, governance and compliance
- Simplifying, automating, extending SAP BusinessObjects and SAP Analytics Cloud
- Strategic SDK development and consulting
- Hundreds of customers globally



APOS



**SAP
BusinessObjects**



Hybrid BI



**SAP
Analytics Cloud**



EXTEND
SAP ANALYTICS



HOUSEKEEPING



You will have
access to the
slides via
email



You will get
the recording
within 24
hours



Tell us how
we did in the
survey



Patrick Sims

Senior Director, SAP BTP Customer Success
Global Center of Excellence – Analytics

Updated Statement of Direction



SAP ANALYTICS Business Intelligence Statement of Direction

Public – June 2022

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EXECUTIVE SUMMARY

This document provides guidance to our SAP BusinessObjects customers on the product directions of

SAP BusinessObjects

BI 4.3 SP3 Preview

SAP Analytics Product Management
September, 2022

Public

SAP Analytics Statement Of direction > https://lnkd.in/e_KqDGkE

SAP ANALYTICS

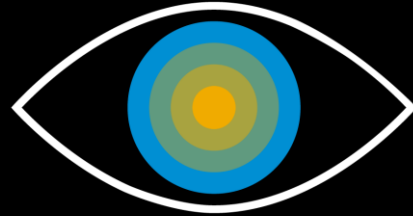
Business Intelligence Statement of Direction

Public – June 2022

SAP Analytics

Product Vision: Cloud First

VISION



One enterprise grade cloud platform

combining human authored
and automated analytics
for confident decisions

SAP Analytics Cloud is SAP's strategic direction for Analytics

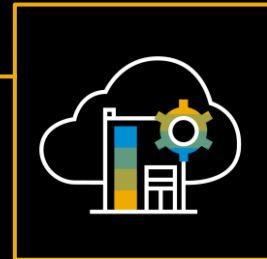
SAP Analytics Cloud
(SAC) will be embedded
in SAP Cloud Suite



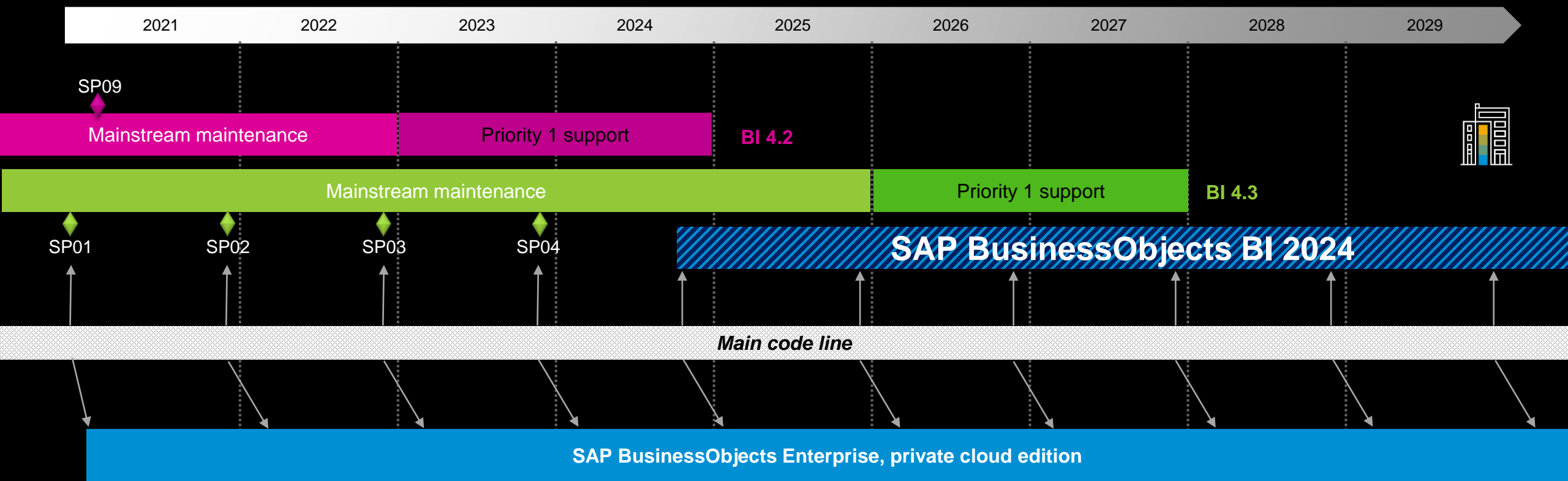
SAP is committed to
continued investment in
the BI Suite



SAP will continue to
invest in the
interoperability between
SAC and BOBJ



SAP BusinessObjects BI



SAP BusinessObjects Strategy

Executive summary

We have decided to plan for a next release

- code named *SAP BusinessObjects BI 2024*
- available on premise and through managed cloud
- focused on the most adopted tools: Web Intelligence, single source .unx universes, Crystal Reports Classic, SAP Analysis for Microsoft Office and the BI Platform

We will provide clear use case migration paths for the components for which we plan the end of support after 2027.

SAP BusinessObjects BI will continue to be available on premise and as a managed cloud through a *private cloud edition*.

Our intention is to only support Windows and Linux platforms.

SAP BusinessObjects portfolio

Planned end of support with BI 4.3 (end of 2027)

Component	Go to solution
Lumira	SAP Analytics Cloud
Crystal Reports for Enterprise	Web Intelligence or Crystal Reports
Analysis for OLAP	SAP Analytics Cloud
Live Office	Web Intelligence Document OData Access (4.3 SP2)
Universe Design Tool (and .unv)	Information Design Tool (and .unx)
Multi-source universes and associated connectivity	Data blending in Web Intelligence or at the DB level

Supported platforms

- We plan to stop the support of AIX and Solaris platform after BI 4.3
- Preferred OS are Windows and Linux

Why SAP BusinessObjects BI 4.3?

SAP BusinessObjects BI 4.3 – Key themes



#1

USER EXPERIENCE

Harmonize user experience and foster BI adoption with a Fiori like experience



#2

ENTERPRISE READINESS

Enhance ease of deployment, auditing and support latest industry standards



#3

HYBRID

Provide a tighter integration between BusinessObjects BI and SAP Analytics Cloud

SAP BusinessObjects BI 4.3 SP2



#1

EXTEND POSSIBILITY

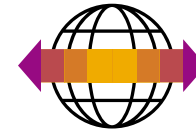
- Google Drive support
- Web Intelligence OData web services
- New connectivity & SDKs
- Partner freemium offerings



#2

IMPROVE USABILITY

- Show/hide reports
- Presentation mode
- Improved prompts and input controls
- Date/time picker



#3

INCREASE PRODUCTIVITY

- Shared elements
- Unified query panel
- Object enrichment
- Variables editor
- Local files for WebI RC

SAP BusinessObjects BI 4.3 SP3 preview

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SAP BusinessObjects BI 4.3 SP3 – Web Intelligence

SAP Labs Preview
Subject to change!



#1

INCREASE PRODUCTIVITY

- Preview your data
- Facets navigation
- Visualize data flow (query and object)
- Combine flows of data (Append, Joins)
- Prepare and transform your data



#2

EXTEND POSSIBILITY

- Microsoft Drive support
- “Export to” in new repository destination
- Organize your “Prompts”
- Support oDATA v4
- New connectivity & SDKs
- Need4viz, Wiiisdom, & APOS freemiums



#3

IMPROVE USABILITY

- Support pixel reporting
- New Trellis chart
- Cell justification
- Table resize via “anchor”
- “Guides” to ease block positioning
- Multi block selection via “lasso”

Data Mode: View Data

SAP Labs Preview
Subject to change!

New mode **Data** 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

The screenshot displays the SAP BI 4.3 SP3 Data Manager interface. At the top, there are tabs for 'File', 'Query', and 'Analyze'. Below these, a toolbar contains icons for file operations, query execution, and analysis. The main area shows a data table with columns: Year, Month, Month Name, State, City, Store name, Sales revenue, Quantity sold, and Margin. The table contains data for the year 2014, month 7, across various states and cities. To the right of the table, there is a sidebar with a search bar and a list of dimensions (City, Month, State, Store name, Year, Month Name) and measures (Margin, Quantity sold, Sales revenue). Below the table, a data flow diagram is visible, showing the relationships between different data sources and queries. The diagram includes nodes for 'SPL_USCitiesInhabitants Excel', 'eFashion Universe', 'SPL_USStateArea Excel', 'City Details - @SPRINTLVL...', 'Sales Details', 'State Area - @SPRINTLVL...', and a final node 'Sales Details + City De...'. Arrows indicate the flow of data between these components.

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: Combine Data

SAP Labs Preview
Subject to change!

Create Flow

Flow name
Sales Details + City Details

Flow join method
Append flow

Primary Flow
Sales Details Universe 696 Rows 9 Columns

Secondary Flow
City Details - @SPRINTLVL/Web/DSL/E... 11 Rows 4 Columns
Excel

Linked objects list (1)
City

+ Link feeds

Sales Details
Search
Year
Month
Month Name
State
Store name
Sales revenue
Quantity sold
Margin

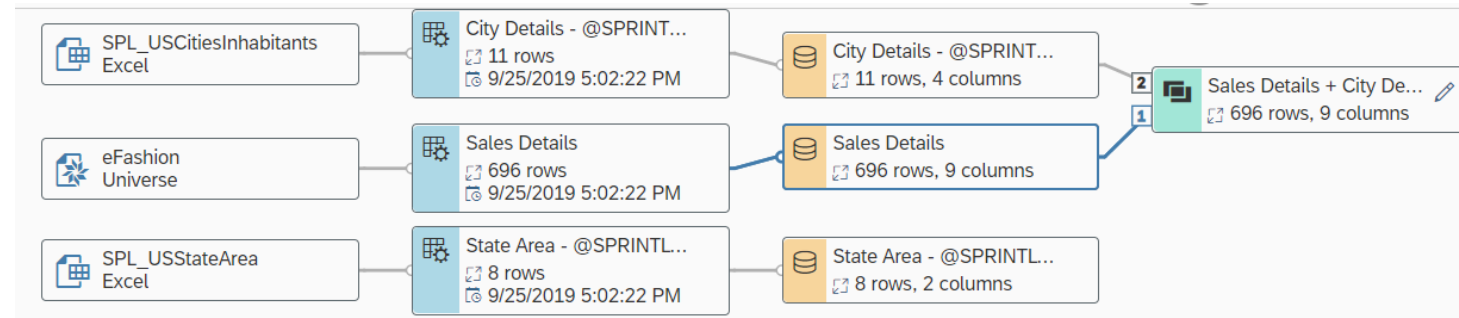
City Details - @SPRINTLVL/We...
Search
Latitude
Longitude
Inhabitants

Add Close

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

Two supported operations

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



Data Mode: Transform Data

SAP Labs Preview
Subject to change!

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

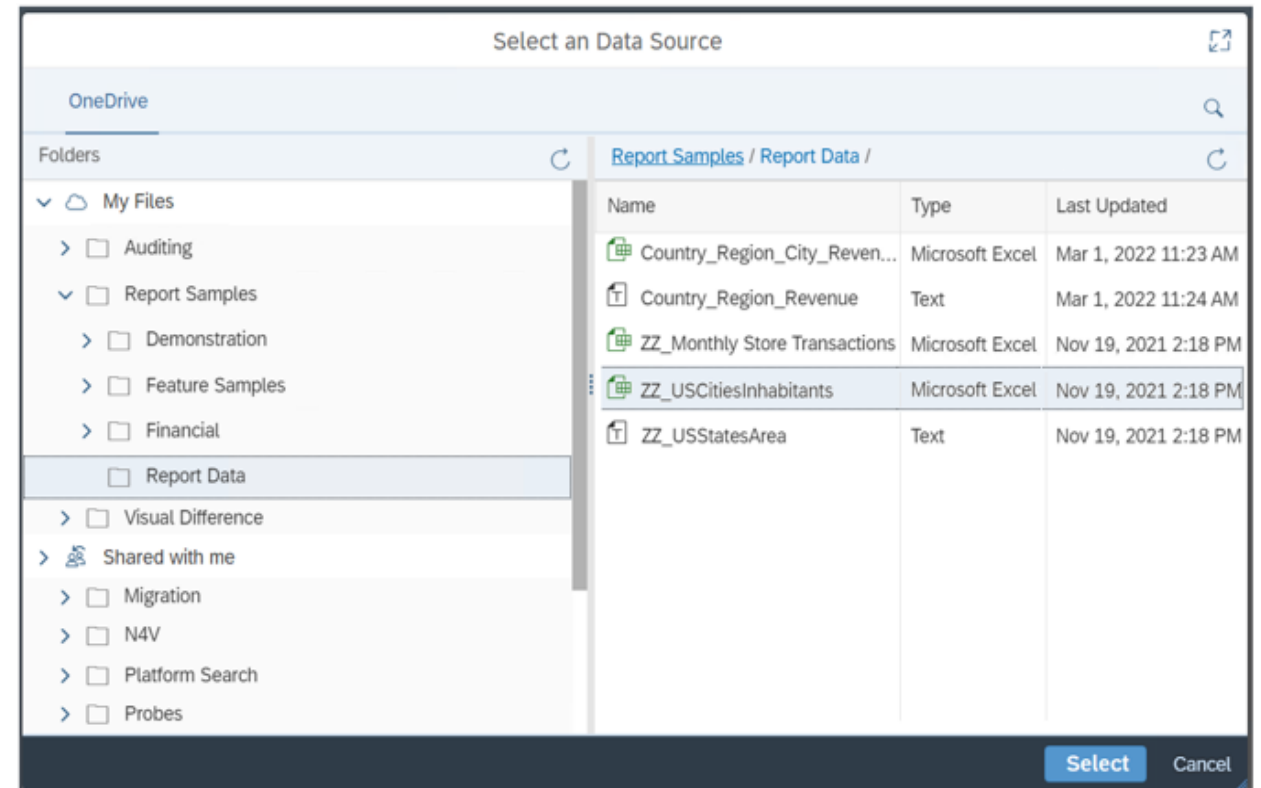
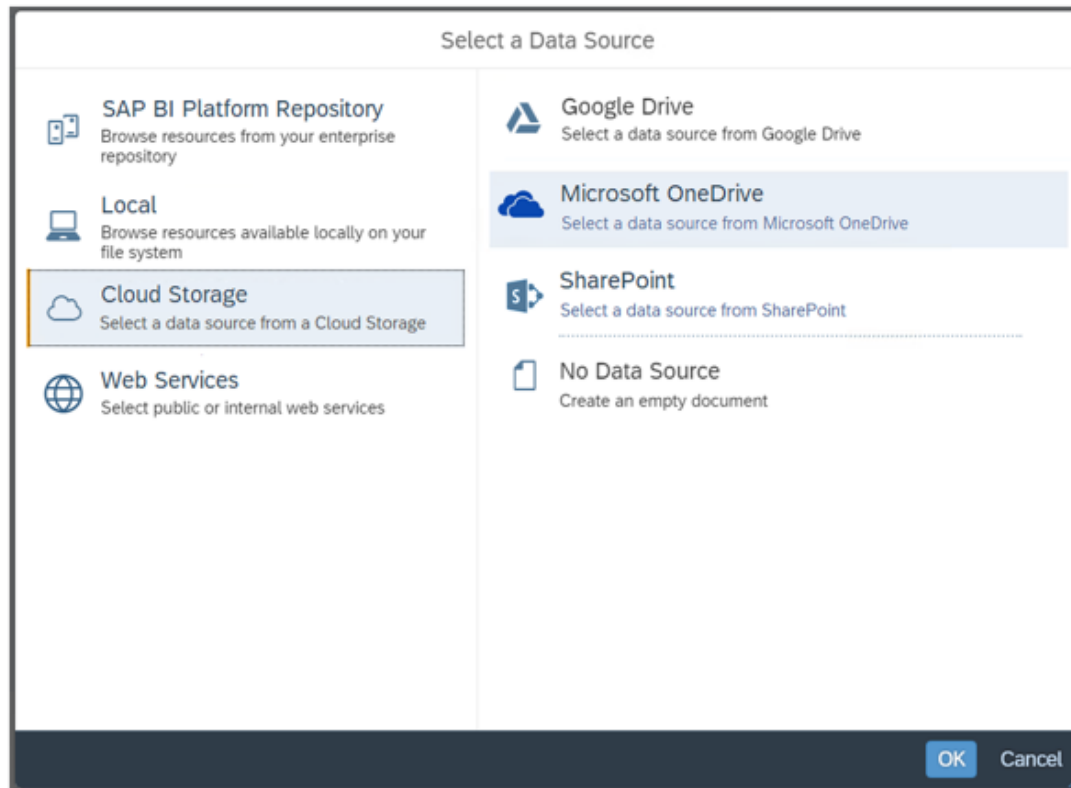
- Trim
- Uppercase / Lowercase
- Replace
- Filter
- Duplicate
- Concat
- Split

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

Incremental Enhancement: Data Source Repository

SAP Labs Preview
Subject to change!

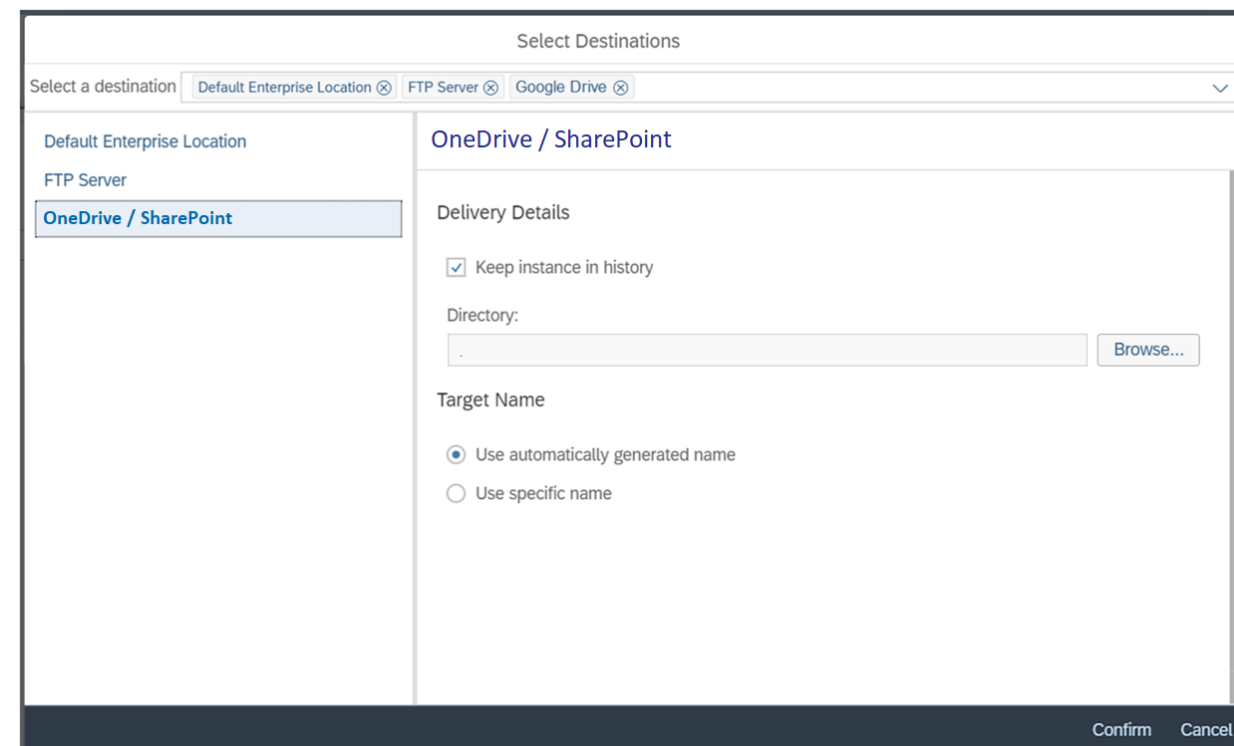
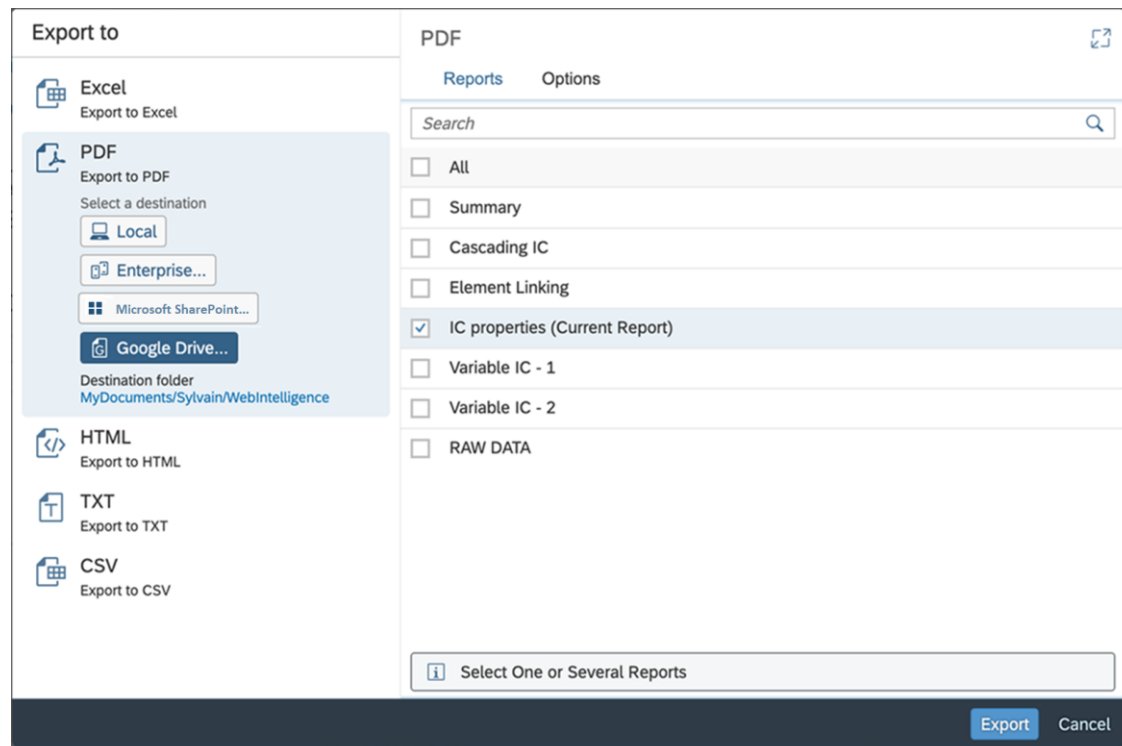
Use Microsoft OneDrive as repository for data sources such as Excel and text files



Incremental Enhancement: Repository Destination

SAP Labs Preview
Subject to change!

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



Incremental Enhancement: Prompts

SAP Labs Preview
Subject to change!

The screenshot displays the SAP Prompt Manager interface. On the left, the 'Properties - Prompt' panel is visible, showing fields for 'Name' (Keydate variable), 'Question Text' (Keydate variable), 'Prompt Hint', 'Data Type' (abc String), and 'Description'. The main area on the right shows a list of prompts with checkboxes and their associated queries. The prompts are: 'Keydate variable' (Query 1), 'Sales Person: Mandatory' (Query 1), 'Multiple Single Values Variable' (Query 1), 'Sales Hierarchy' (Query 2), 'Enter value(s) for Country' (Query 2), 'Enter value(s) for Country' (Query 3), 'Select members for Customers' (Query 3), and 'Enter the secure ID' (Query 3). The interface includes a search bar, a '+ Group' button, and a 'Reset All' button at the bottom.

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

New Prompt Manager:

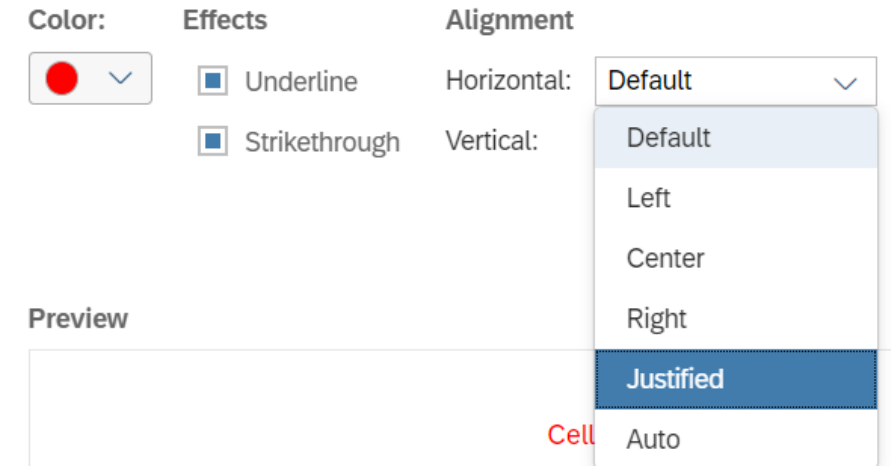
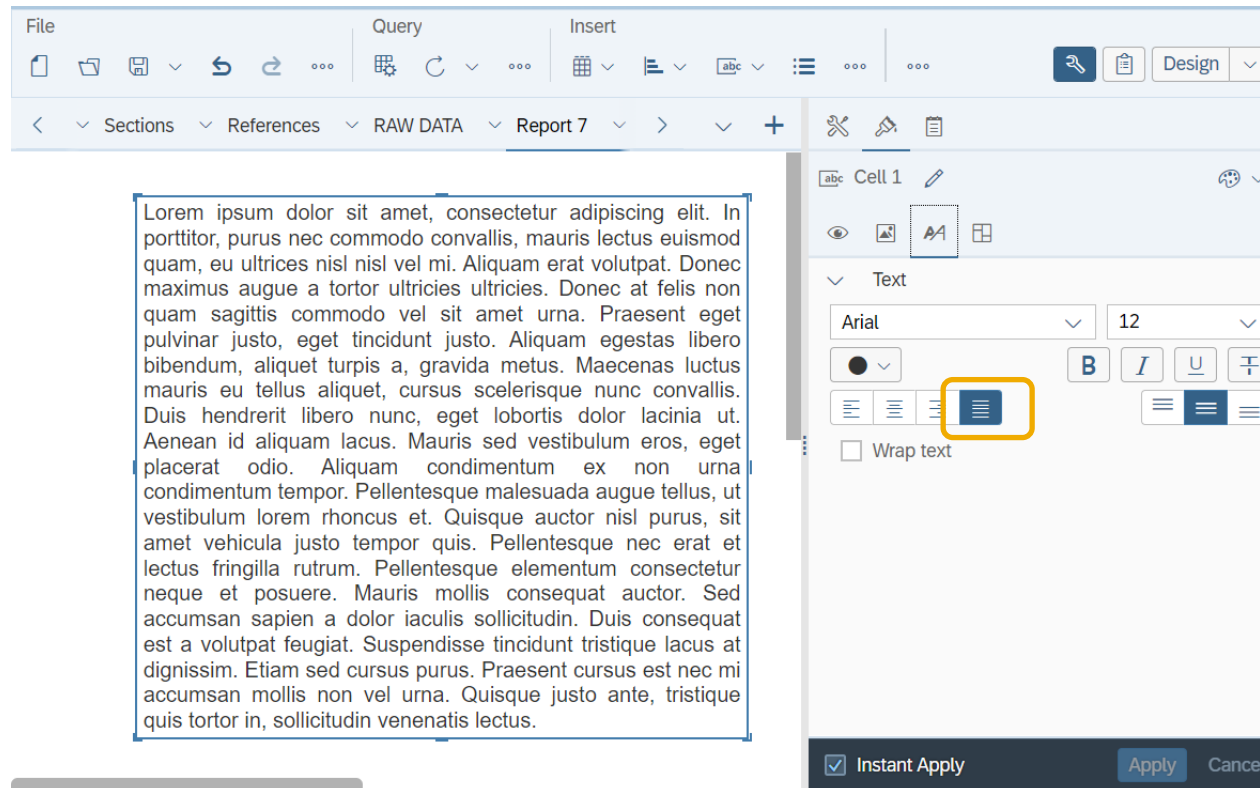
- Add hint (instructions) to users to describe the prompts
- Sort prompts from several queries
- Support of “Global” BI Variant

Incremental Enhancement: Text Justification

SAP Labs Preview
Subject to change!

Support of text justification in :

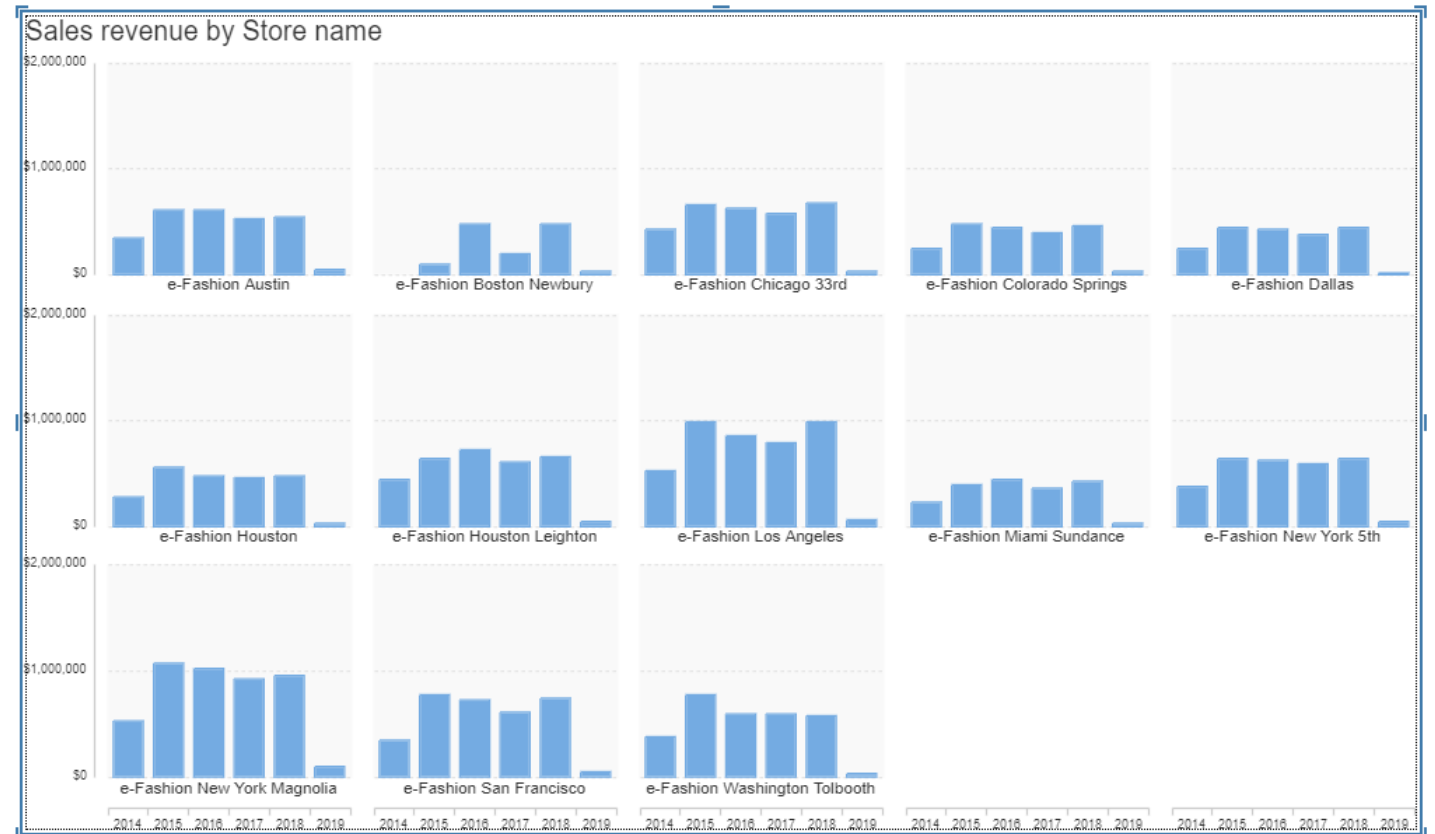
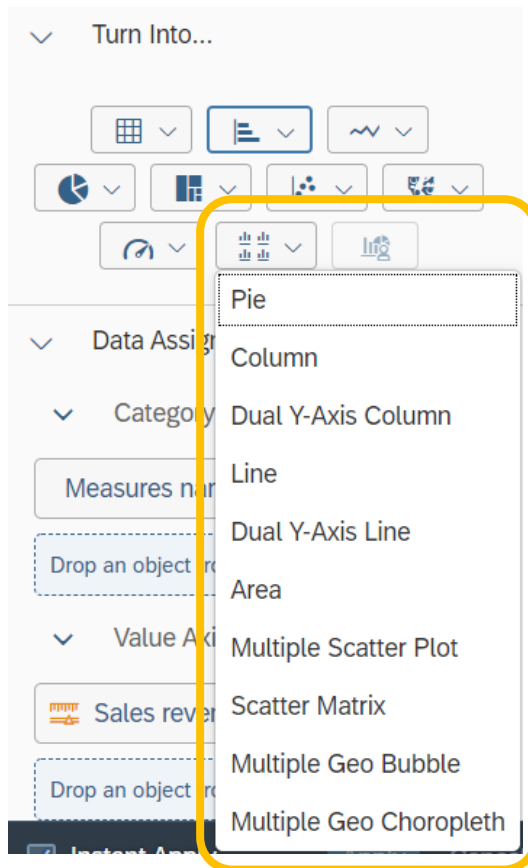
- Format cell
- Conditional format



Incremental Enhancement: Trellis

SAP Labs Preview
Subject to change!

New Charts Types



Incremental Enhancement: Formula Language

SAP Labs Preview
Subject to change!

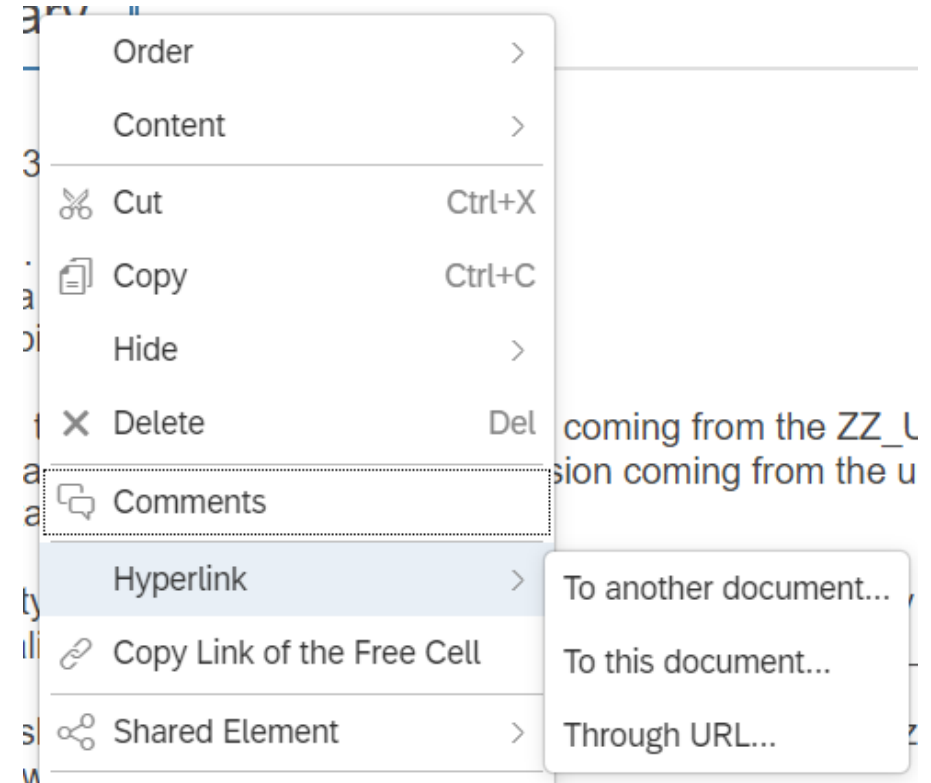
- **DescriptionOf, FormulaOf**: Return an object's description and a variable's formula
- **Reverse**: Reverses a string
- **ElementLinkingFilters**: Returns the values the user has selected through element linkings
- **InputControlFilters**: Returns the values the user has selected through input controls
- **Next**: Next object value

Hyperlink: Simplified Workflow

SAP Labs Preview
Subject to change!

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 open the corresponding workflow...



Hyperlink: Inter-Document Link

- When adding an URL to another document, it will directly open 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

SAP Labs Preview
Subject to change!

The screenshot displays the 'Hyperlink' dialog box in the SAP interface. The background shows a 'Select a Target Document' window with a tree view of folders and documents. The 'Hyperlink' dialog has the following sections:

- Target URL:** Contains the URL `../..../opendoc/openDocument.jsp?siDType=CUID&iDocID=AeMM_O68MHNJqzof7m88G9Q&sReportName=Summary&sRefresh=N&lsMEnter value(s) for Year`. A 'Browse...' button is next to it.
- Document Parameters:** Includes a checkbox for 'Use complete URL path to create hyperlink' and a 'Customize URL Parameters (Parse)' button.
- Prompts and Context Parameters:**
 - Prompt (lsMEnter value(s) for Year):** Checked. Below it is a text input field with a dropdown arrow.
 - Prompt (lsMEnter value(s) for Quarter):** Unchecked. Below it is a text input field with a dropdown arrow.
- URL Options:**
 - Label:** Set to `=ReportName()`.
 - Open In:** Set to 'New Window'.

At the bottom are 'Back', 'OK', and 'Cancel' buttons. A context menu is open over the 'Prompt (lsMEnter value(s) for Quarter)' section, showing options: 'Select Object', 'Build Formula', and 'Clear'.

Hyperlink: Intra-Document Link

SAP Labs Preview
Subject to change!

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

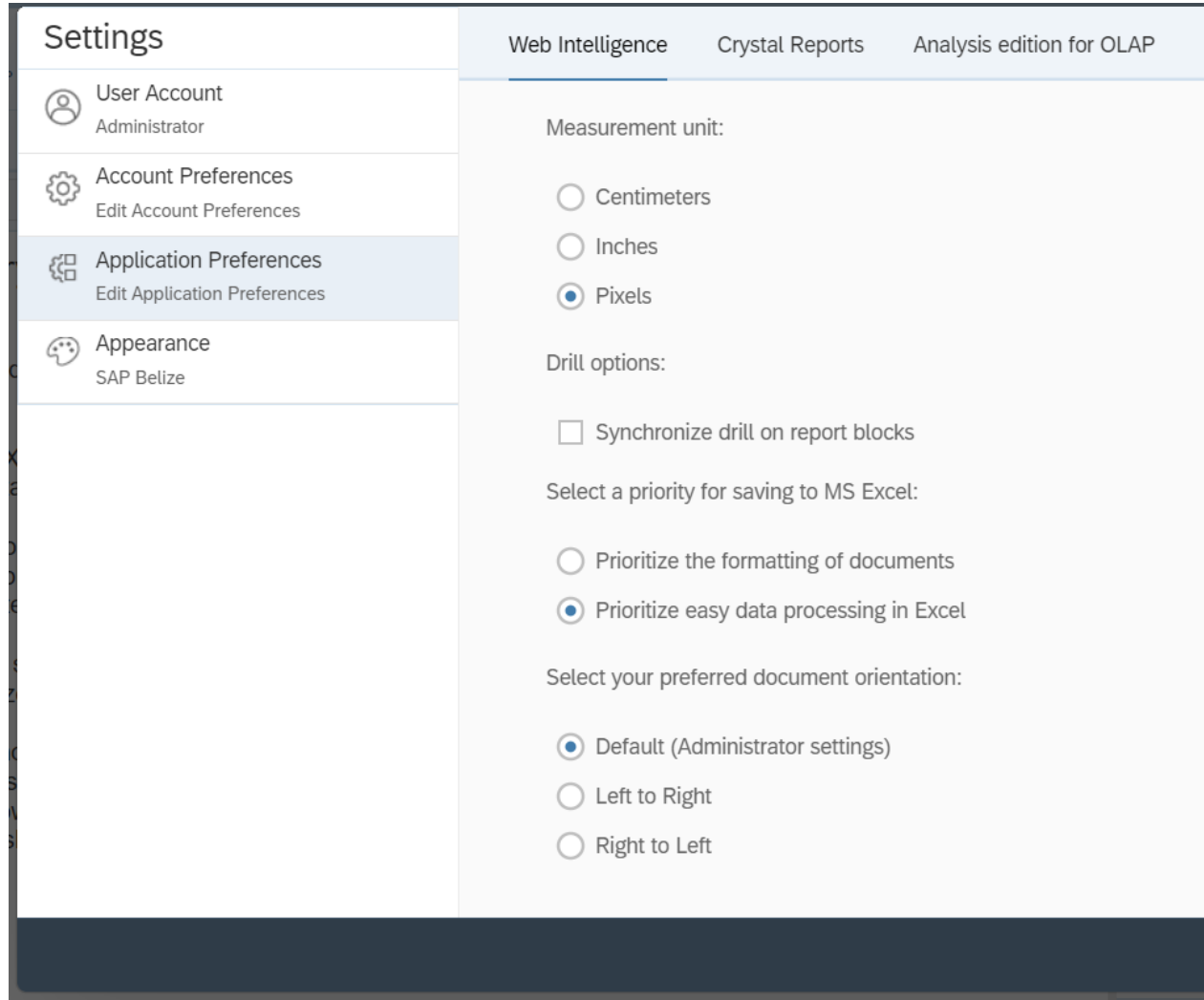
Clear

List of input controls of "Sales" report

Reporting: Pixel Measurement

New Web Intelligence user settings

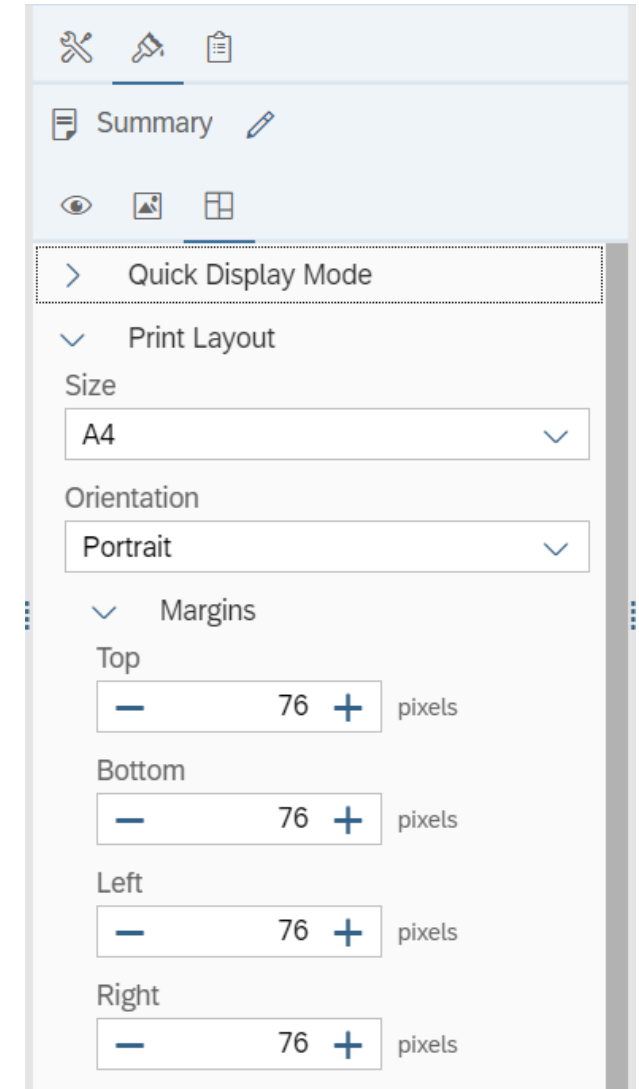
- Measurement unit: cm / inch / **pixel**



The screenshot shows the 'Settings' window with the 'Application Preferences' tab selected. The left sidebar lists 'User Account', 'Account Preferences', 'Application Preferences' (highlighted), and 'Appearance'. The main content area is titled 'Web Intelligence' and contains the following settings:

- Measurement unit:** Three radio buttons are shown: 'Centimeters', 'Inches', and 'Pixels' (which is selected).
- Drill options:** A checkbox labeled 'Synchronize drill on report blocks' is currently unchecked.
- Select a priority for saving to MS Excel:** Two radio buttons are shown: 'Prioritize the formatting of documents' and 'Prioritize easy data processing in Excel' (which is selected).
- Select your preferred document orientation:** Three radio buttons are shown: 'Default (Administrator settings)' (selected), 'Left to Right', and 'Right to Left'.

SAP Labs Preview
Subject to change!

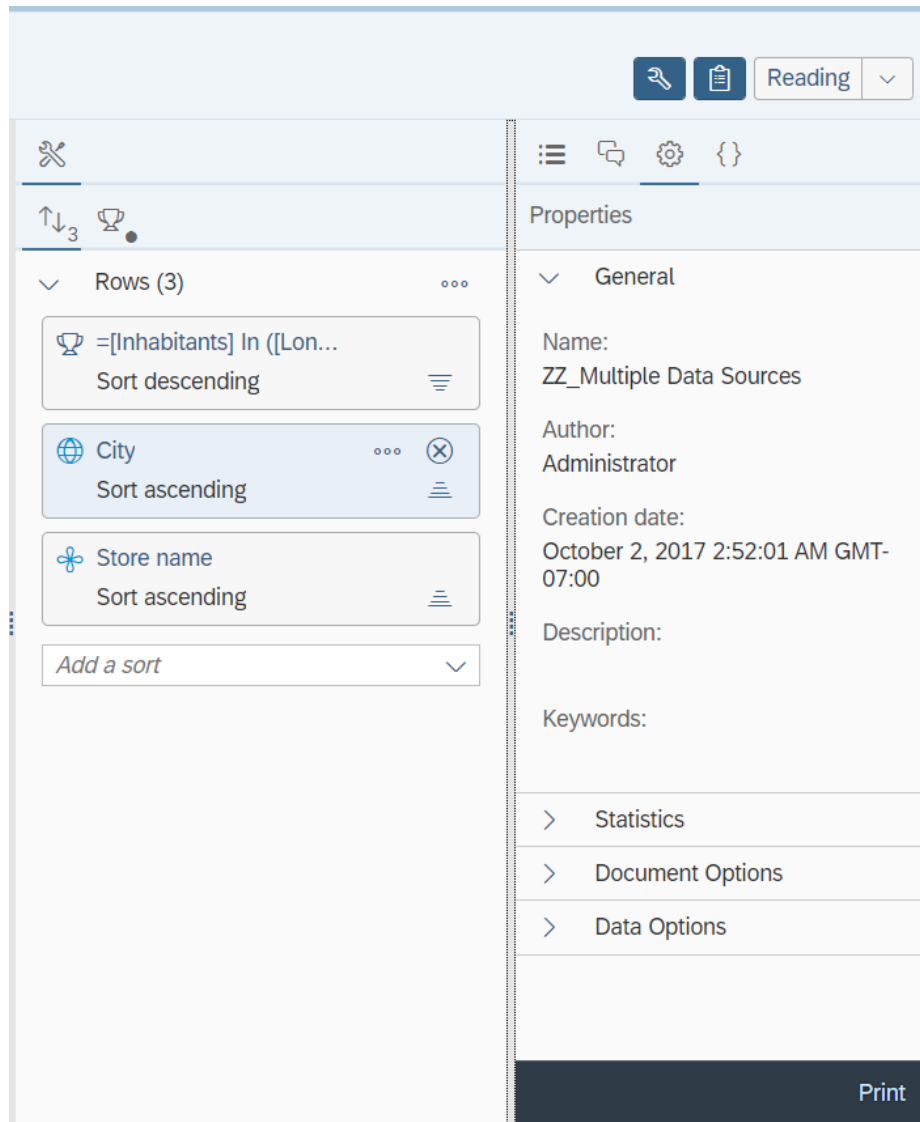


The screenshot shows the 'Quick Display Mode' settings panel. It includes a 'Summary' tab and a 'Print Layout' section. The 'Print Layout' section contains the following settings:

- Size:** A dropdown menu set to 'A4'.
- Orientation:** A dropdown menu set to 'Portrait'.
- Margins:** Four input fields with minus and plus buttons, each set to '76 pixels':
 - Top: 76 pixels
 - Bottom: 76 pixels
 - Left: 76 pixels
 - Right: 76 pixels

Usability: Reading Mode Sorting / Ranking

SAP Labs Preview
Subject to change!



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

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

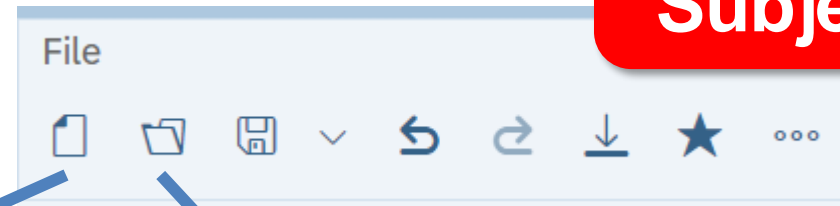
Same behavior than in Design mode

Usability: Open / New

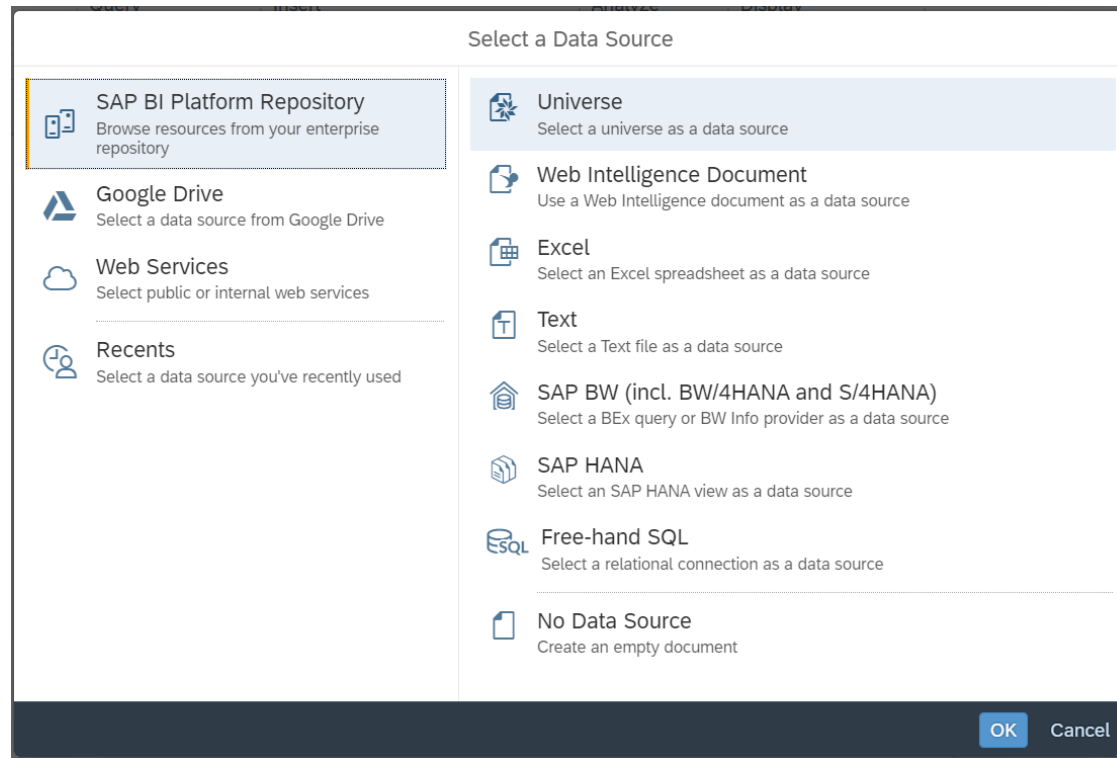
SAP Labs Preview
Subject to change!

In Reading/Design modes:

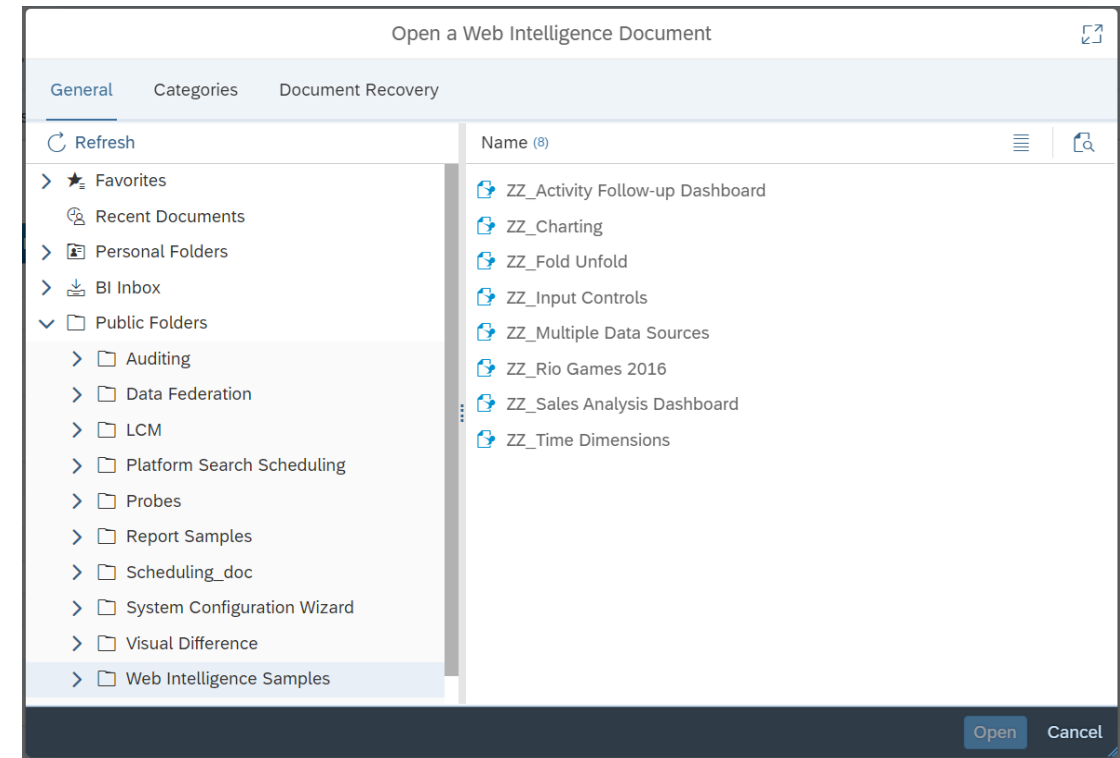
- **New** and **Open** actions from toolbar



New document



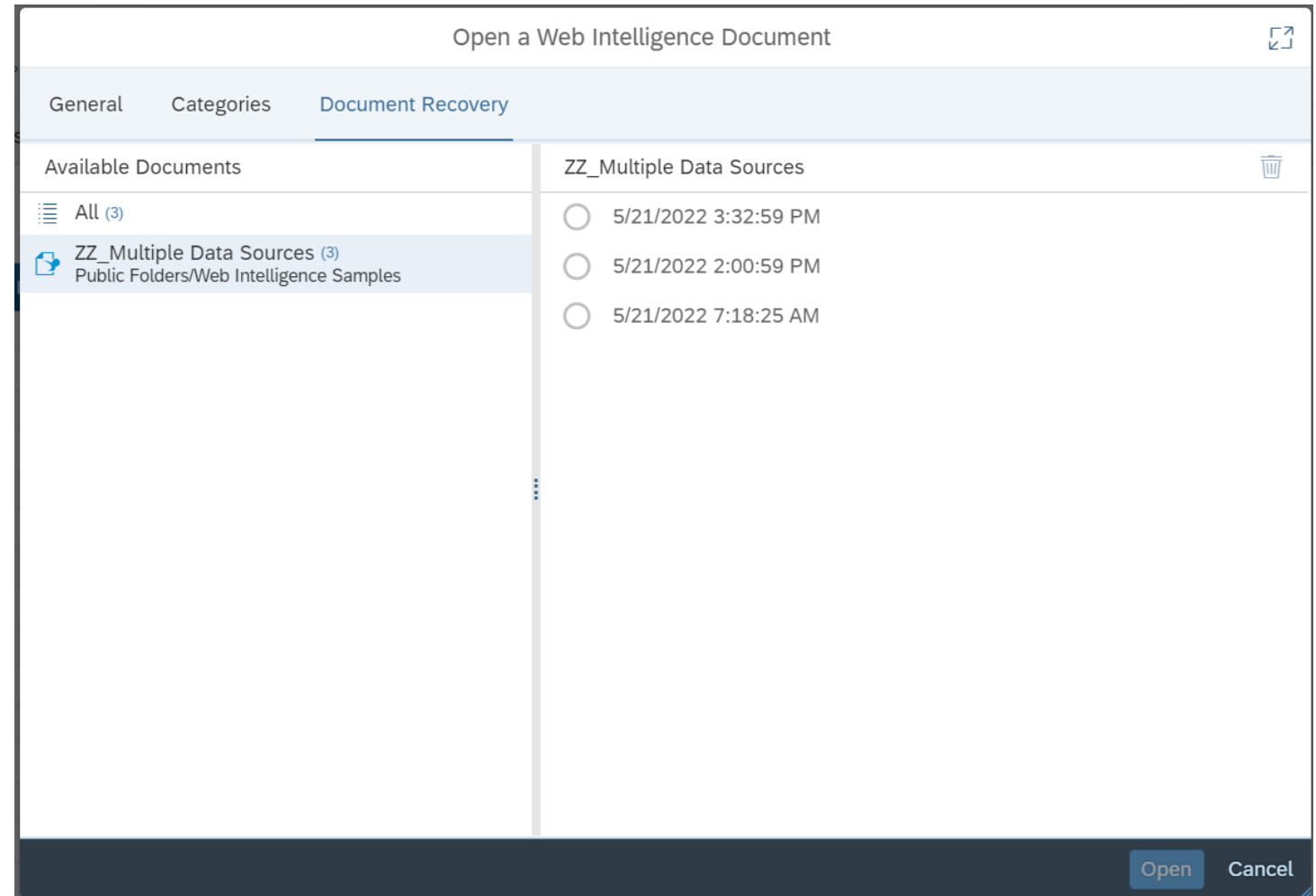
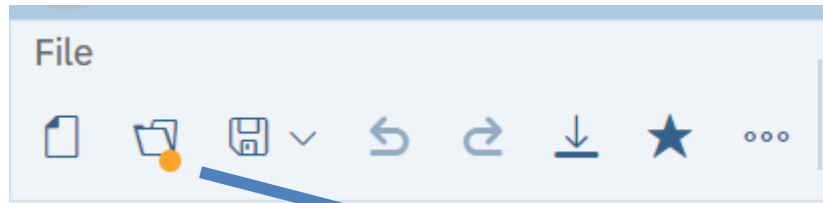
Open document



Usability: Document Recovery

**SAP Labs Preview
Subject to change!**

New area to « Recover auto-saved documents » :



Usability: Favorites

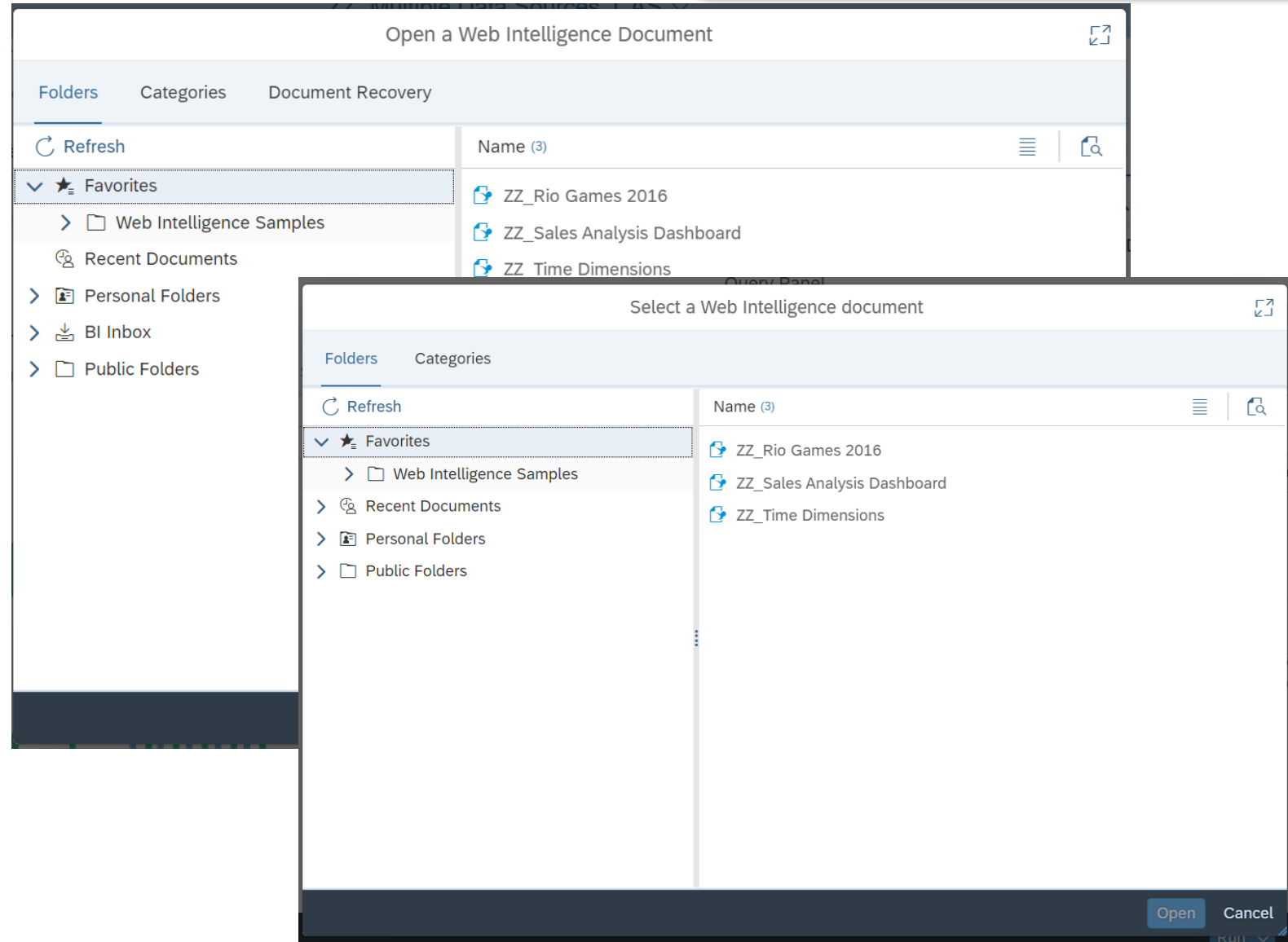
SAP Labs Preview
Subject to change!

Browse in Favorites

- Folders
- Ressources

Web Intelligence document selection:

- Open Document
- Document Data Source
- Rich Client: Import

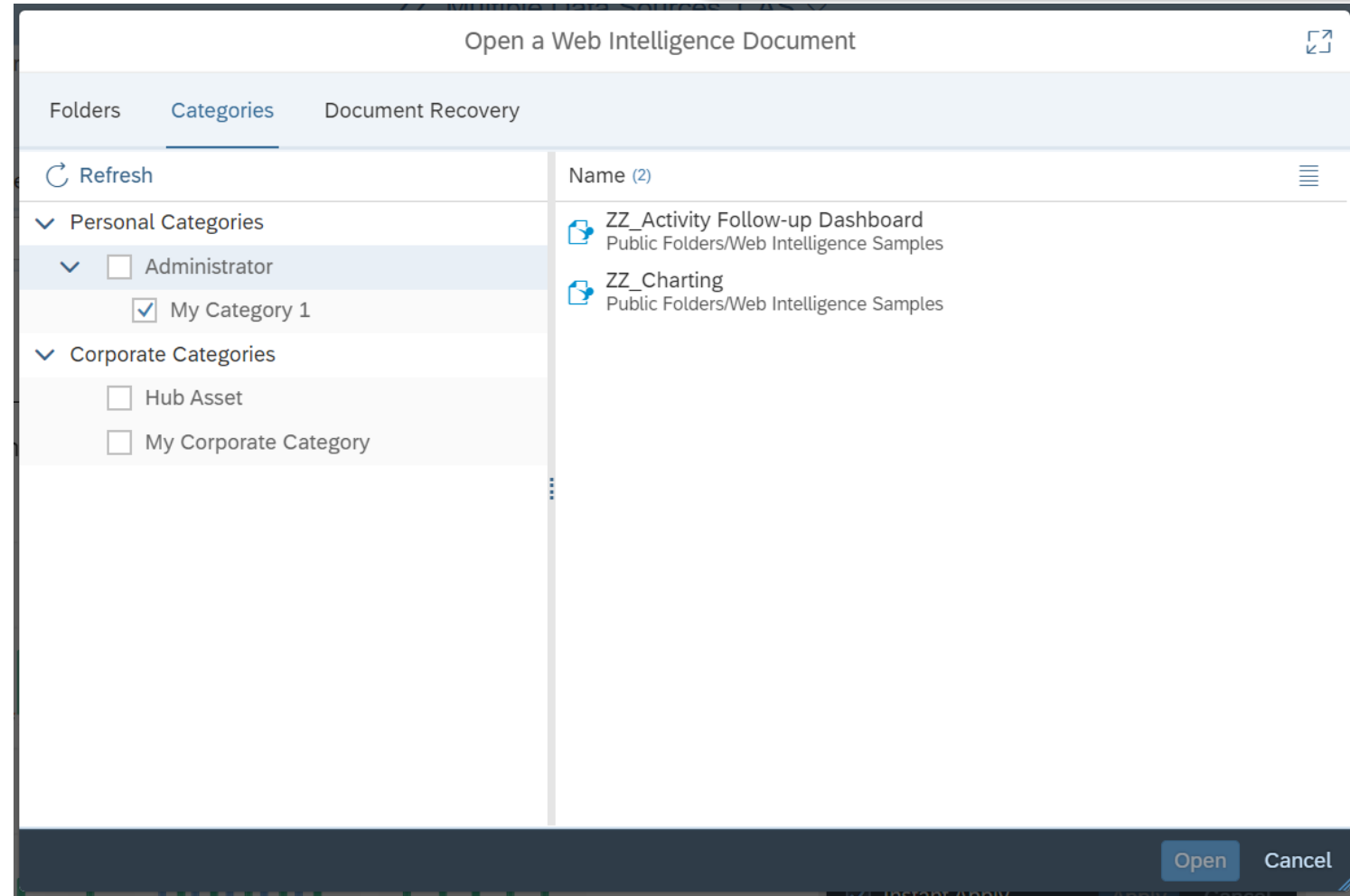


Usability: Categories

SAP Labs Preview
Subject to change!

Browse in « Personal » and « Corporate » categories :

- Open Web Intelligence Document
- Select a data source
 - Web Intelligence
 - Excel
 - Text
- Rich Client: Import



Usability: Report Element Guides

SAP Labs Preview
Subject to change!

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: Report Element / Cell Selection

SAP Labs Preview
Subject to change!

When mouse hover a column: new handle to resize column instead of two clicks before)

- Anchor on table to resize it horizontally
- Lasso to select several blocks
- Move multiple blocks at once

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

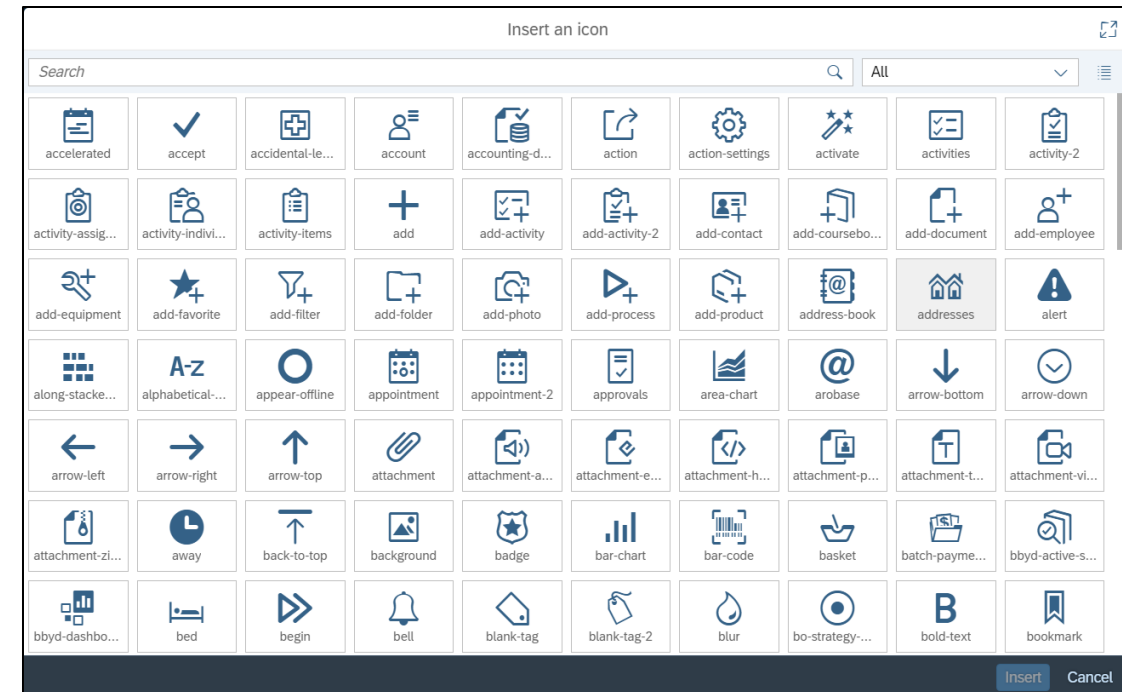
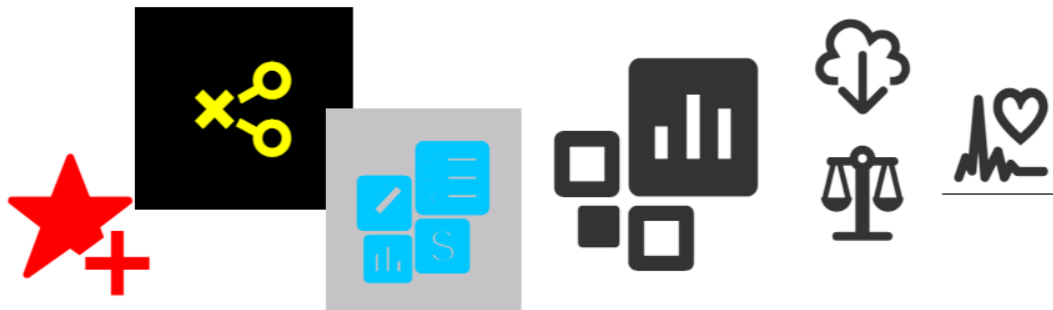
StateArea	Area	City	Latitude	Longitude	Inhabitants
Area: California	704	Austin	30.27	-97.74	931,830
Area: Colorado	232	Boston	42.36	-71.06	667,137
Area: DC	606	Chicago	41.88	-87.63	2,695,598
Area: Florida	507	Colorado Springs	38.83	-104.82	416,427
Area: Illinois	999	Dallas	32.78	-96.8	1,300,092
Area: Massachusetts	1,625	Houston	29.76	-95.37	2,099,451
Area: New York	1,302	Los Angeles	34.05	-118.25	3,971,883
Area: Texas	145	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

Usability: icons

SAP Labs Preview
Subject to change!

Insert icons to enrich the expressiveness of your Webl report.

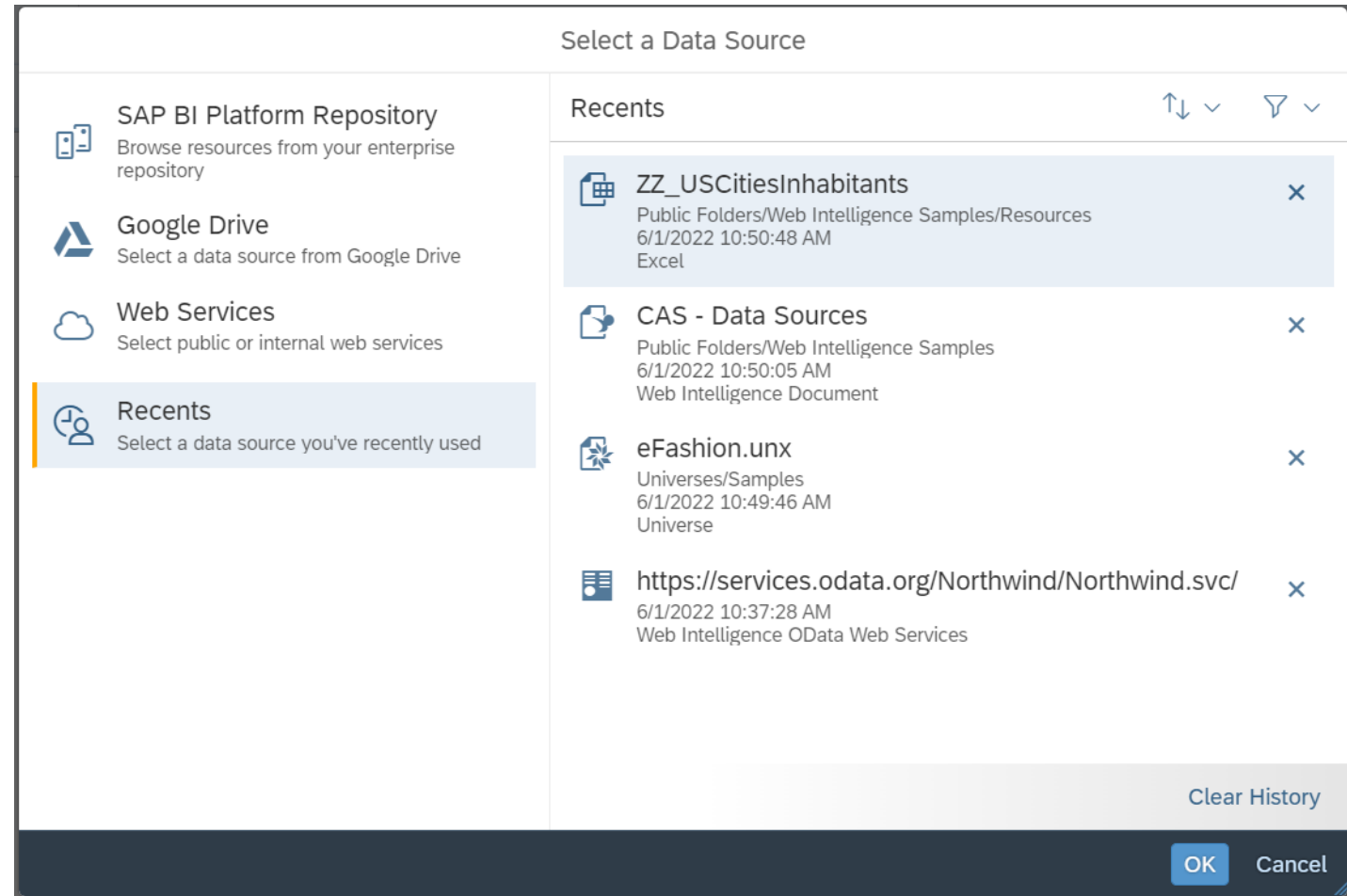
- 665 icons at your disposal
- Organized by tags : time, speed, calendar, document, activities, etc
- Tags are searchable to identity the icons



Usability: Recent Data Sources

SAP Labs Preview
Subject to change!

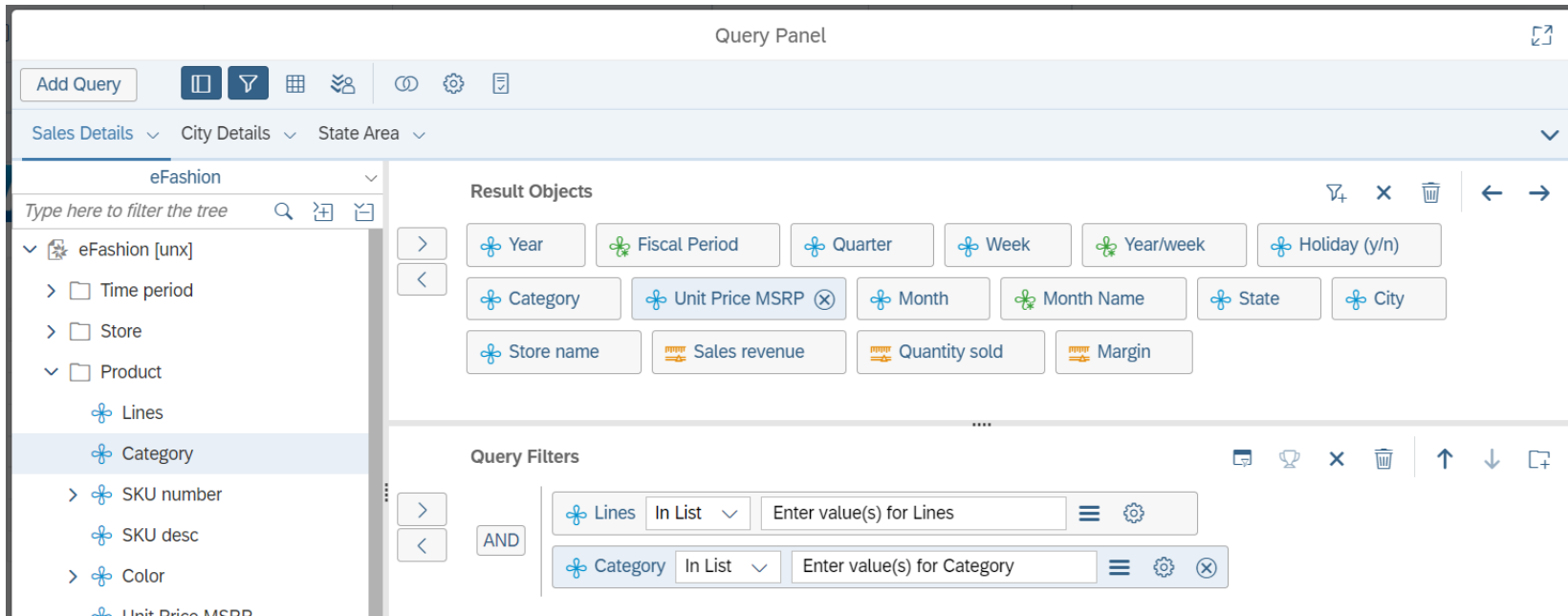
Keep history of the last used data sources



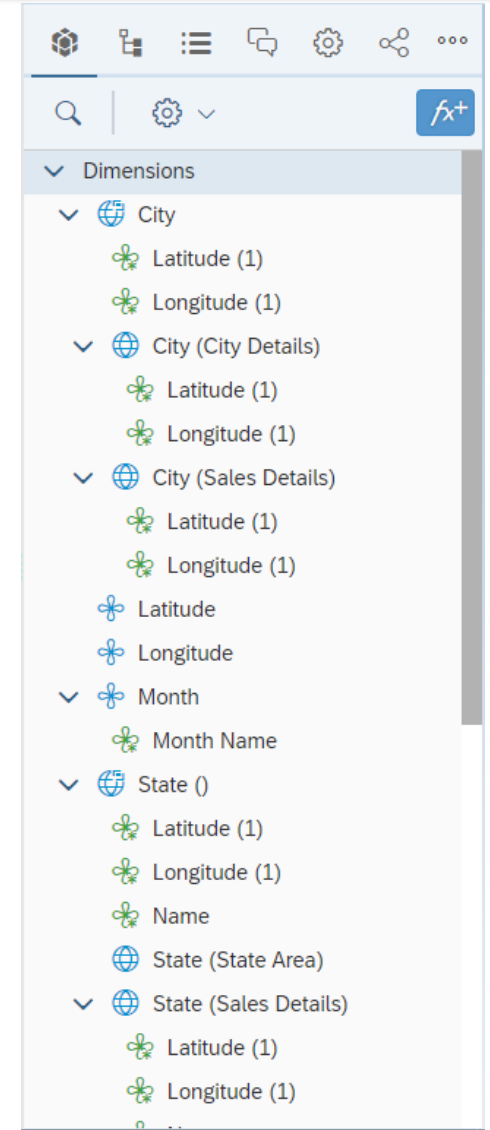
Usability: Reduce Empty Space

In the Query Panel:

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



**SAP Labs Preview
Subject to change!**



Information Design Tool: New Supported Data Sources

**SAP Labs Preview
Subject to change!**

New supported data sources

- Generic OData 4.0 for UNX
- MariaDB
- SQLite [native]
- Trino
- IBM Informix 14
- MongoDB 5
- PostgreSQL 14
- Oracle 21c
- MS Analysis Services 2019

New Big Data and Cloud Databases

- Amazon RDS
- PostgreSQL
- MySQL
- SQL Server
- Oracle
- MariaDB
- Google Cloud SQL
- MapR MEP 8.00
- Apache Hive
- Spark
- Oracle Cloud

SAP data sources

- SAP BW 7.5 SP24+
- SAP BW/4HANA 2.0 SPS12+
- SAP HANA 2.0 SP06+
- SAP S/4HANA 1909 SP06+
- SAP S/4HANA 2020 SP04+

Database Authentication Features

- SSO Azure Active Directory (OAuth 2.0) support for Azure DB SQL and Synapse
- SSO OAuth 2.0 support for Google Big Query
- SSO OAuth 2.0 support for Google SQL Cloud

SAP BusinessObjects BI 4.3 SP3 – BI Platform

SAP Labs Preview
Subject to change!



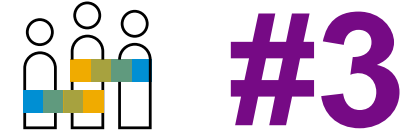
INCREASE PRODUCTIVITY

- Display Document Path
- BI Launch Pad Reports Pinning



EXTEND POSSIBILITY

- BIP Restful Services Integration with BOE WEBAPP
- Schedule to Microsoft One Drive / Sharepoint
- Security - SQL Parameterization - Use bind variables instead of literals
- Installer enhancements



IMPROVE USABILITY

- Security - HTTP Strict Transport Security (HSTS) Support
- UX improvements

Thank you.

Patrick Sims

BTP Global COE, Analytics



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APPENDIX

SP3 BI Platform Details

SAP BusinessObjects BI 4.3 SP3 – BI Platform



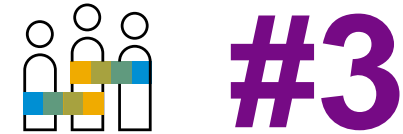
INCREASE PRODUCTIVITY

- Display Document Path
- BI Launch Pad Reports Pinning



EXTEND POSSIBILITY

- BIP Restful Services Integration with BOE WEBAPP
- Schedule to Microsoft One Drive / Sharepoint
- Security - SQL Parameterization - Use bind variables instead of literals
- Installer enhancements



IMPROVE USABILITY

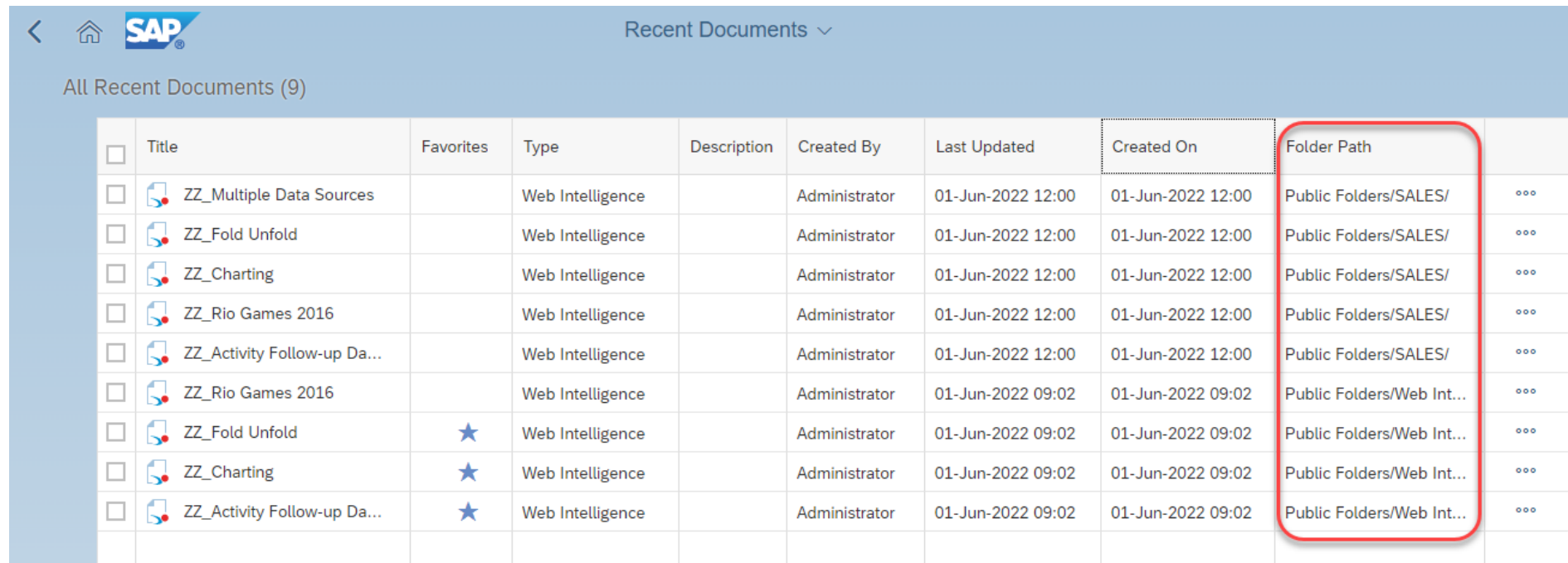
- Security - HTTP Strict Transport Security (HSTS) Support
- UX improvements










#1 INCREASE PRODUCTIVITY

Display Document Path

SAP Labs Preview
Subject to change!

- No need to right click on a document to get its location in the detail popup.
- Now a the new column Folder Path shows the location of the documents.
- Available in both Documents and Recent Documents tiles.
- Can be configured in Settings/Account Preferences./Page Preferences by selecting the columns to display.

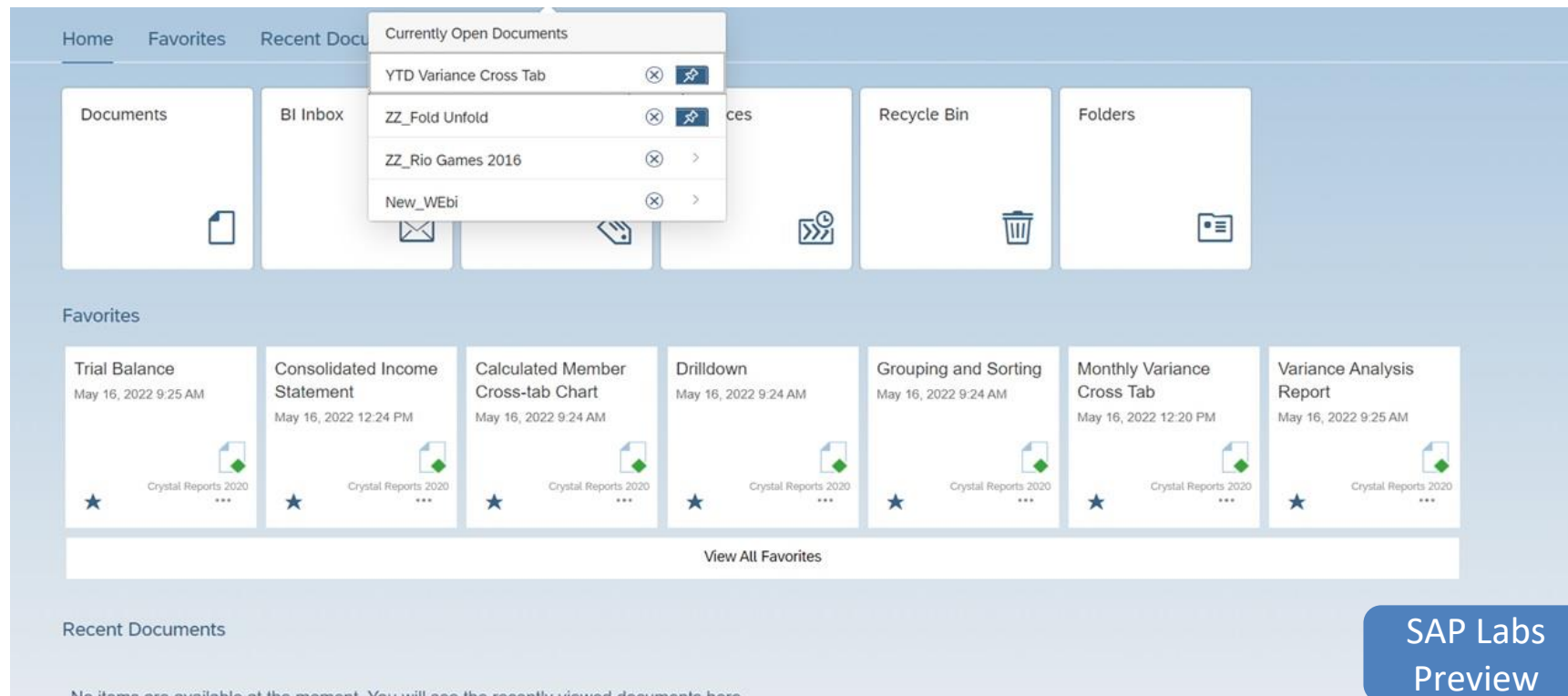


<input type="checkbox"/>	Title	Favorites	Type	Description	Created By	Last Updated	Created On	Folder Path	
<input type="checkbox"/>	 ZZ_Multiple Data Sources		Web Intelligence		Administrator	01-Jun-2022 12:00	01-Jun-2022 12:00	Public Folders/SALES/	...
<input type="checkbox"/>	 ZZ_Fold Unfold		Web Intelligence		Administrator	01-Jun-2022 12:00	01-Jun-2022 12:00	Public Folders/SALES/	...
<input type="checkbox"/>	 ZZ_Charting		Web Intelligence		Administrator	01-Jun-2022 12:00	01-Jun-2022 12:00	Public Folders/SALES/	...
<input type="checkbox"/>	 ZZ_Rio Games 2016		Web Intelligence		Administrator	01-Jun-2022 12:00	01-Jun-2022 12:00	Public Folders/SALES/	...
<input type="checkbox"/>	 ZZ_Activity Follow-up Da...		Web Intelligence		Administrator	01-Jun-2022 12:00	01-Jun-2022 12:00	Public Folders/SALES/	...
<input type="checkbox"/>	 ZZ_Rio Games 2016		Web Intelligence		Administrator	01-Jun-2022 09:02	01-Jun-2022 09:02	Public Folders/Web Int...	...
<input type="checkbox"/>	 ZZ_Fold Unfold	★	Web Intelligence		Administrator	01-Jun-2022 09:02	01-Jun-2022 09:02	Public Folders/Web Int...	...
<input type="checkbox"/>	 ZZ_Charting	★	Web Intelligence		Administrator	01-Jun-2022 09:02	01-Jun-2022 09:02	Public Folders/Web Int...	...
<input type="checkbox"/>	 ZZ_Activity Follow-up Da...	★	Web Intelligence		Administrator	01-Jun-2022 09:02	01-Jun-2022 09:02	Public Folders/Web Int...	...

BI Launch Pad Reports Pinning

SAP Labs Preview
Subject to change!

- 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.



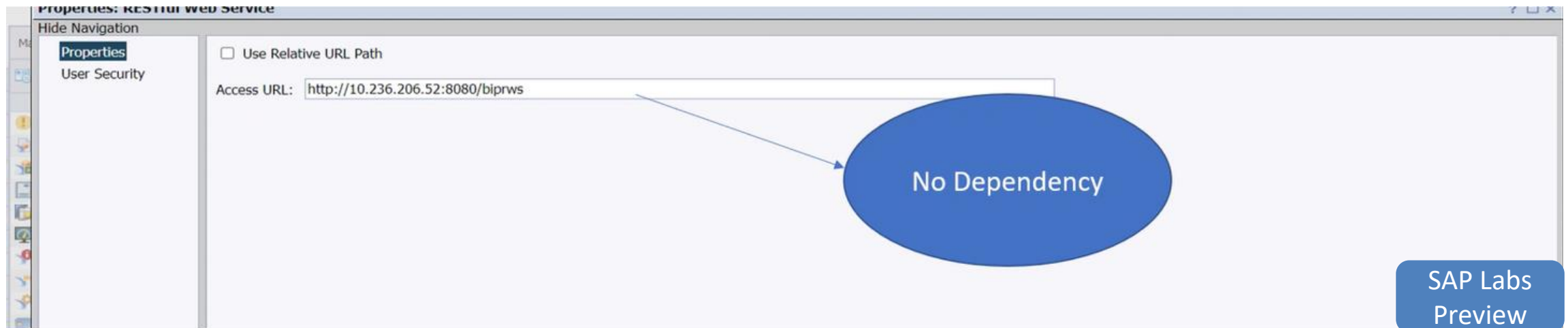
SAP Labs
Preview

#2 EXTEND POSSIBILITY

BIP Restful Services Integration with BOE WEBAPP

**SAP Labs Preview
Subject to change!**

- Remove the dependency on CMC Restful URL.
- Benefits are:
 - Avoid CORS and browser related issue
 - Improve session management
 - Easy to maintain in Complex customer landscape
 - In Private cloud editions, easy to deploy



Schedule to Microsoft One Drive / Sharepoint

SAP Labs Preview
Subject to change!

- 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 displays the 'Select Destinations' dialog box. At the top, it says 'Select a destination' with a dropdown menu showing 'Microsoft Drive x'. Below this, a sidebar on the left lists 'Microsoft Drive' as the selected destination. The main area is titled 'Microsoft Drive' and contains the following sections:

- Delivery Details:** Includes a checked checkbox for 'Keep instance in history'.
- Microsoft Drive Folder Details:** Features a text input field containing a forward slash '/' and a blue 'Browse' button.
- Target Name:** Includes two radio button options: 'Use automatically generated name' (which is selected) and 'Use specific name'.

Security - SQL Parameterization

SAP Labs Preview
Subject to change!

Use bind variables instead of literals

SQL Queries being created by CMS DB subsystem as well as DB wrappers are getting created with Literals instead of parameters (bind variables) in WHERE clauses, for almost all of the scenarios. Based on the current understanding the percentage of such queries are nearly 80%.

- **With Literals:** SELECT * FROM "A004" WHERE "MANDT" = '100' AND "KNUMH" = '4938' AND "KAPPL" = 'TEST' .
- **With Parameters:** SELECT * FROM "A004" WHERE "MANDT" = ? AND "KNUMH" = ? AND "KAPPL" = ? .

Need to change the implementation related to CMS query generation to use bind variables instead of Literals.

Advantages:

- No functional change
- Implementation only brings the performance improvement, and
- Not specific to any workflow

Installer enhancements

SAP Labs Preview
Subject to change!

- Enable the tool to be able to execute silently, so that this tool can be executed remotely on the end user machines where client tools installation history need to be optimized.
- ONE Uninstaller : Enables the removal of redundant/obsolete intermediate versions like Service Pack(s) and Patch(es). Read this [blog](#) to get complete information.

#3 IMPROVE USABILITY

Security - HTTP Strict Transport

SAP Labs Preview
Subject to change!

Support HTTP Strict Transport Security (HSTS) to secure the application servers

What is it?

- HSTS is a web security policy mechanism, which helps protect web application users against some passive (eavesdropping) and active network attacks.
- To enable HSTS for Service Manager you only need to enable HSTS in the web server or the web application server so that an HTTP header named Strict-Transport-Security is added when an HTTPS session has already been established.

What will it provide?

- Guarantee a secured access with HTTPS.
- Avoid issues reported by customer.
- Ideally, this needs to be supported across BI web clients across web application servers.

Security - Enforce password policy

SAP Labs Preview
Subject to change!

Enforce password policy during New User creation in CMC

Based on the above observations, ensure that the implementation should bring the consistency in CMC new user creation for password in comparison to the password update scenario.

Need to depend on the backend validation for the Password criteria check

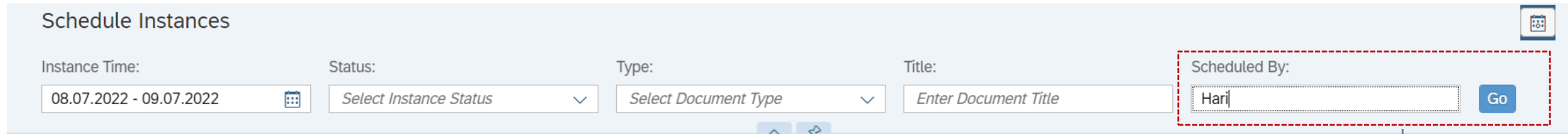
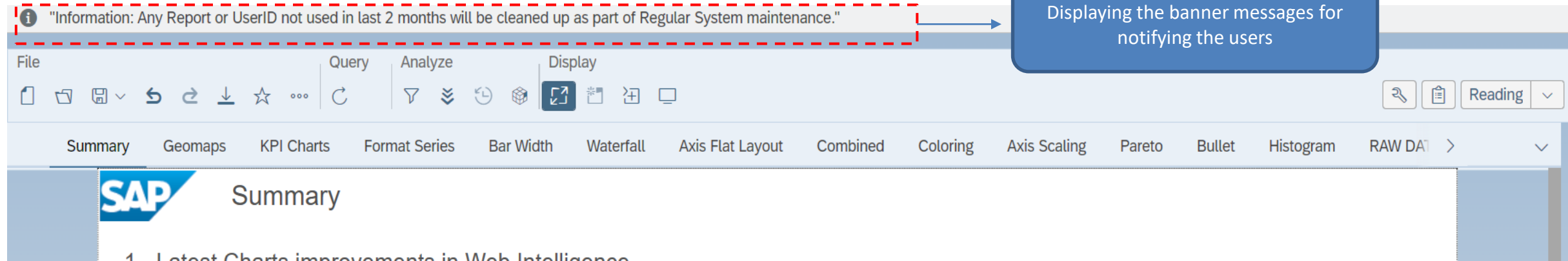
- Only validation which need to be done in front end for the password is to ensure whether the password strings entered in both “Password” and “Confirm” field are same or not, if not continue to display the corresponding existing error, if OK submit for backend validation.
- Same check should be happened during the new user creation for password criteria check as it happens during the user password update scenario.

Remove the hardcoded password criteria checks introduced with the BI 4.3 SP01 release.

UX improvements (1/3)

SAP Labs Preview
Subject to change!

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



Solve Customer Influence
Requests:

- [284484](#)

UX improvements (2/3)

Reduce space

Folders

> Personal Folders

My Subscribed Alerts

> Public Folders

> A-A

> Auditing

> BI on

> BIW

> Data Federation

> HARI_BW

> LCM

> Platform Search Scheduling

> Probes

> System Configuration Wizard

4.3 SP02

Folders

Personal Folders

My Subscribed Alerts

> Public Folders

> Auditing

> Basic

> Data Federation

> Health Ca

> LCM

> Platform Search Scheduling

> Probes

> Report Samples

> Sales

> System Configuration Wizard

> UAT

> Visual Difference

> Web Intelligence Samples

> Workflow Assistant

4.3 SP03
Reduce the
space size

SAP Labs Preview
Subject to change!

Folders

Selected Folder

Personal Folders /

	Title	Favorites	Type	Last Run	Instances	Description
<input type="checkbox"/>	~WebIntelligence		Folder			
<input type="checkbox"/>	Customers		Folder			
<input type="checkbox"/>	Sales		Folder			
<input type="checkbox"/>	AO autosave		Analysis Workspace		0	
<input type="checkbox"/>	HHH		BI Workspace		1	
<input type="checkbox"/>	Shortcut to ZZ_Inp...		Shortcut		3	Web Intelligence 4.0
<input type="checkbox"/>	Test		Hyperlink		0	

4.3 SP02

Folders

Root Folder /

	Doc Name	Favorites	Type	Last Updated Time
<input type="checkbox"/>	7+!@34[1]		Folder	Jun 27, 2022 2:40 AM
<input type="checkbox"/>	1234		Folder	Jun 27, 2022 2:36 AM
<input type="checkbox"/>	1234[1][1]		Folder	Jun 27, 2022 2:39 AM
<input type="checkbox"/>	Auditing		Folder	Jun 27, 2022 2:36 AM
<input type="checkbox"/>	Data Federation		Folder	Jun 27, 2022 12:21 AM
<input type="checkbox"/>	LCM		Folder	Jun 27, 2022 12:21 AM
<input type="checkbox"/>	Platform Search Scheduling		Folder	Jun 27, 2022 12:21 AM
<input type="checkbox"/>	Probes		Folder	Jun 27, 2022 12:21 AM
<input type="checkbox"/>	Report Samples		Folder	Jun 27, 2022 12:42 AM
<input type="checkbox"/>	System Configuration Wizard		Folder	Jun 27, 2022 12:16 AM

4.3 SP03
Space
optimization
in tables



Your Next Move?

**SAP
BusinessObjects
4.3?**

**SAP
BusinessObjects
BI 2024?**

**SAP
BusinessObjects
PCE?**

**SAP
Analytics
Cloud?**



Fred Walter
Senior Solution Consultant, APOS

Migration Process Phases



SAP BusinessObjects Upgrade - Three Phases

Preparation

Execution

Validation



Migration Process Phases



SAP BusinessObjects Upgrade - Three Phases

Preparation

Execution

Validation

Getting Ready to Move System Content

- What is in my system?
- What content do I need to migrate?
- Is my content backed up and secured?
- Is all my content fully supported?

Migration Process Phases



SAP BusinessObjects Upgrade - Three Phases

Preparation

Execution

Validation

**Move
System Content**

- How to rebuild system structures?
- What are strongest and most efficient methods to move content?
- How to monitor process and progress?

Migration Process Phases



SAP BusinessObjects Upgrade - Three Phases

Preparation

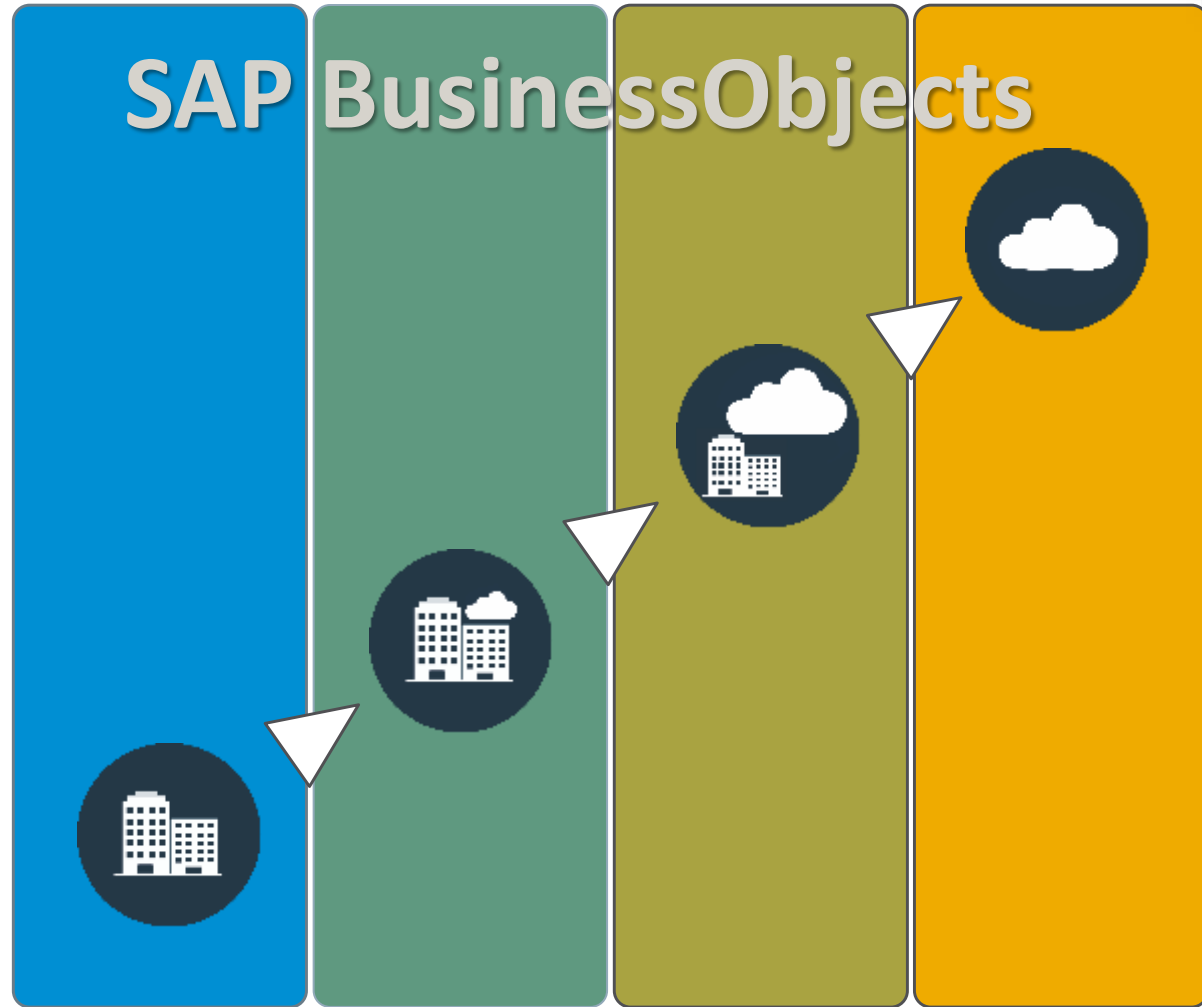
Execution

Validation

**Confirm
System Content**

- Did all content arrive?
- Did all content arrive correctly?
- Are reports giving the right results?
- Are reports performing efficiently?

SAP BusinessObjects Migration Kit by APOS



SAP BusinessObjects Migration Kit by APOS



Migration Preparation



Build the foundation for a successful migration



Deep system audit and metadata capture for analysis

- Capture and leverage extensive system metadata for project planning, content prioritizing, and system sizing decisions



Comprehensive back-up of system content assets

- stabilize and secure entire system; protect and retain assets for targeted future imports - delta uploads, strategic restores



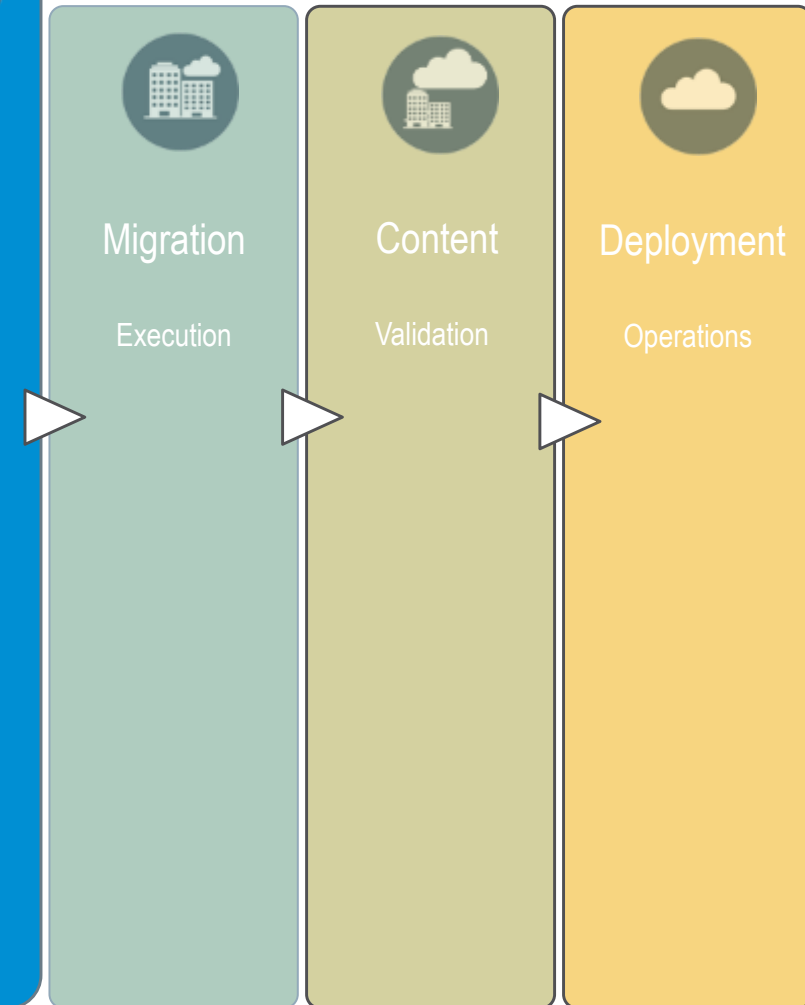
Automated, rules-driven clean-up of system content

- Systematic archival and removal of unnecessary content; 'Right-Size' the system; streamline content to be migrated

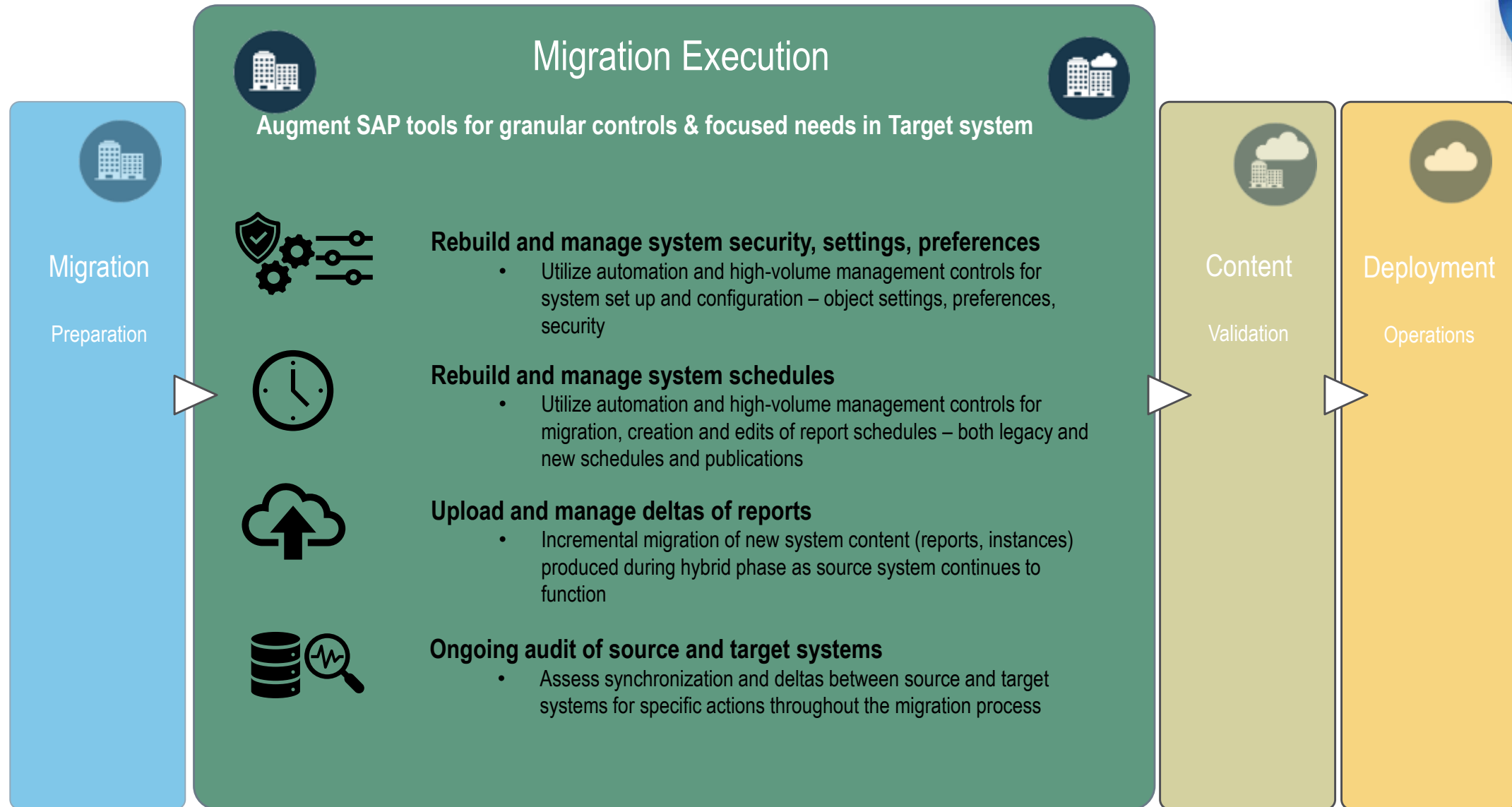


Automated transition of content assets for compatibility

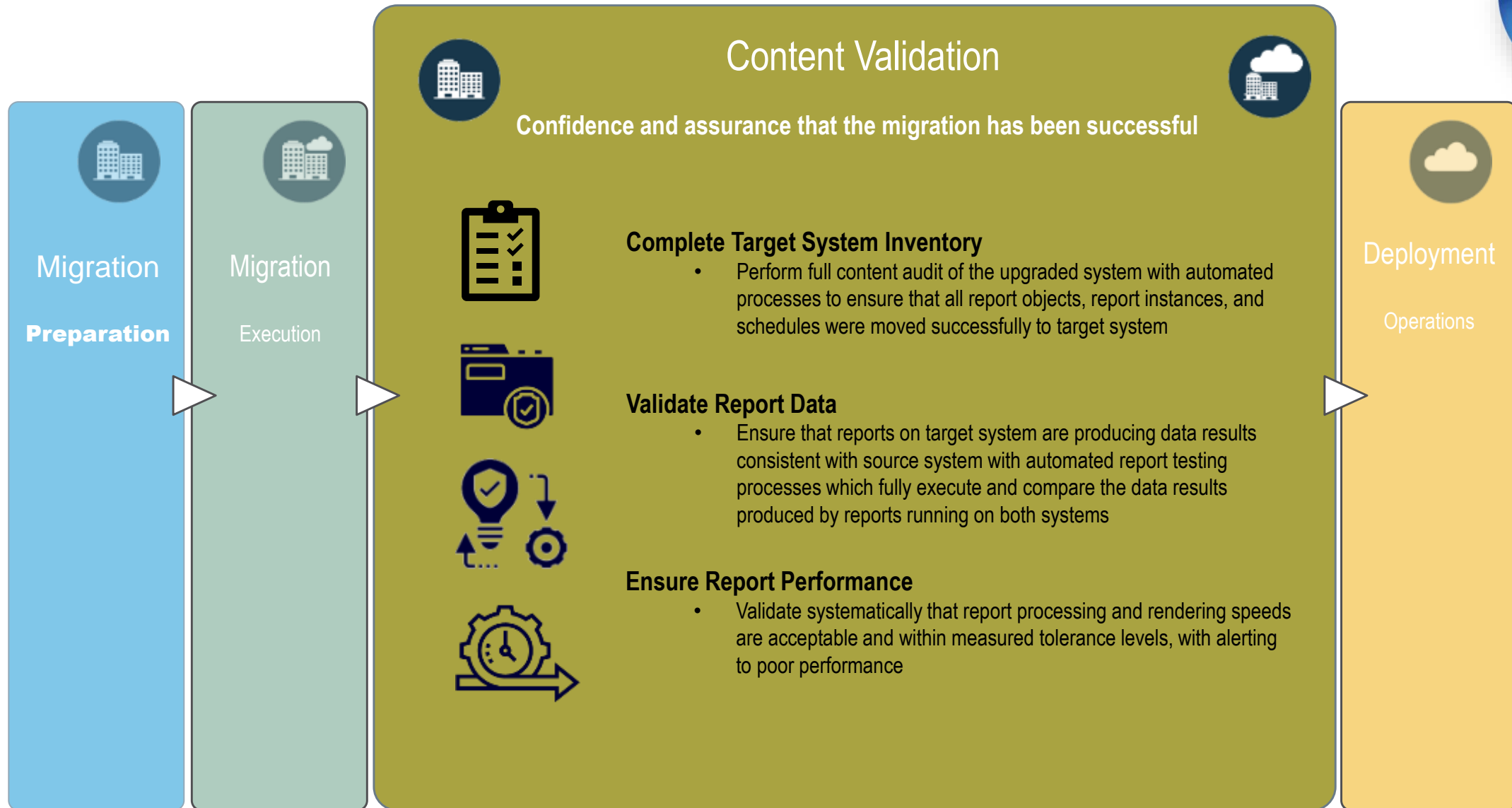
- Bulk conversion of universes to UNX format; update & repoint all report connections to the new universes



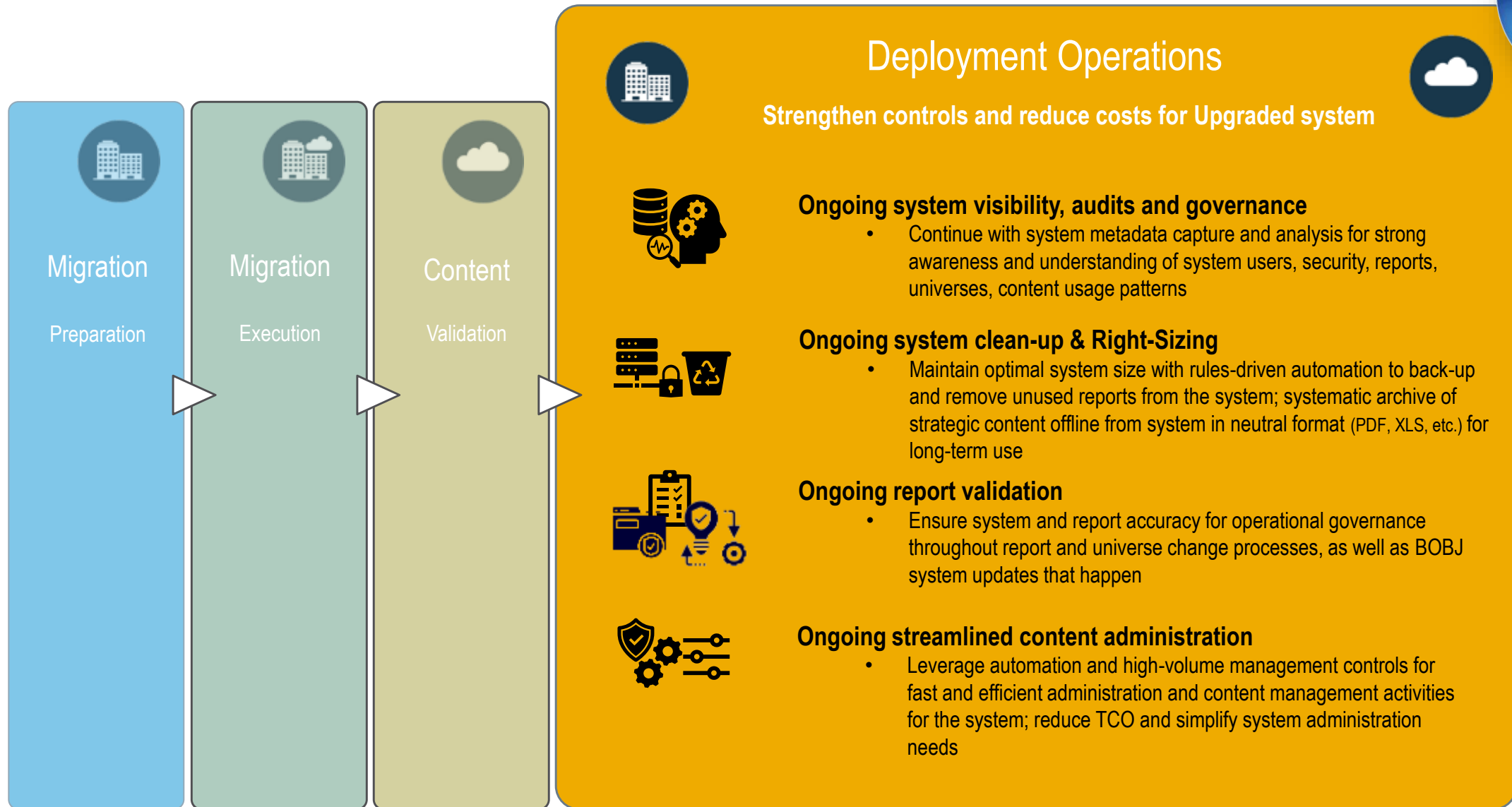
SAP BusinessObjects Migration Kit **by APOS**



SAP BusinessObjects Migration Kit **by APOS**



SAP BusinessObjects Migration Kit by APOS



UNIX Universe Adoption Considerations



Adoption Challenges

- Time and effort required
 - Updated approach to building new universes
 - Managing upgrade of existing content
 - Convert Universes to UNIX
 - Repointing existing WebI reports to the new UNIX universes
- UNIX adoption introduces system change
 - adds an element of risk
- Risk management requires:
 - proper planning
 - proper controls
 - automation

Size of Challenge = Volume of Content

APOS BI Upgrade Freemium Offer

Leverage APOS technology to understand your BI system content, and to upgrade your Universes and Web Intelligence reports!!

Freemium Offer

- Automated Inventory of your BI System
 - Get a clear picture of the Reports, Universes, Folders, User Groups, Categories, Schedules, Instances in your SAP BusinessObjects systems
- Automate the migration from UNV to UNX
 - Upgrade universes to UNX
 - Repoint Web Intelligence reports to new UNX



APOS BI Upgrade Freemium Offer



[FREWARE](#) | [DOWNLOADS](#)



[SOLUTIONS](#) [PRODUCTS](#) [ABOUT APOS](#) [RESOURCES](#) [CONTACT US](#)



BI Upgrade Freemium Offer

Future-proof your universes and Web Intelligence reports
Get a clear picture of your BI system content

APOS is allowing you to leverage our UNX Universe adoption solution for targeted Universes and Web Intelligence reports, helping you speed this semantic layer transition process to leverage all of the SAP BusinessObjects value that lies ahead.



UNX Adoption

SAP BusinessObjects has been given a major extension for support timelines, meaning your organization can continue to drive valuable business intelligence for their users for many years to come. However, to benefit from this extended lifespan will require migrating the Universe semantic layer assets of your deployment from UNV to UNX. This will include the repointing of Web Intelligence objects in your new UNX universes, which is a time consuming and resource intensive process. To remove these barriers to progress, APOS provides a controlled, project-based platform for bulk converting universes from UNV to UNX and repointing Web Intelligence reports.

You can:

- Bulk convert existing UNV universes to UNX format

Get your free access now!

First Name *	<input type="text"/>
Last Name *	<input type="text"/>
Company *	<input type="text"/>
Phone	<input type="text"/>
Email *	<input type="text"/>
City	<input type="text"/>
State/Province *	<input type="text"/>
Country *	<input type="text"/>

Which version of SAP BusinessObjects are you

APOS Solutions for SAP BusinessObjects



APOS Insight

BI System Auditing

- System Inventory
- Security Analysis
- System Usage Analysis
- Report Impact Analysis

BI Report Testing

- Automated Report Testing
- Regression Testing
- Validation of Report Data
- Report Performance Testing

BI System Monitoring

- Advanced System Monitoring
- Operating Environment Monitoring
- Database Monitoring
- Process Monitoring

BI Query Surveillance

- Real-time BI Query Monitoring
- Query Performance Alerting & Auditing
- Query Intervention; Remote Cancelling
- Sensitive Data Audit



APOS Administrator

Object Management

- Bulk Security Management
- Bulk Settings Management
- System Objects Promotion
- Connections Maintenance

Schedule Management

- High-volume schedule management
- Multiple schedule properties editing
- Grid scheduling interface
- Repeatable scheduling templates

Instance Management

- Manage entire instance inventory
- Granular instance search
- Stop, pause, release, reschedule
- Rapid recovery to failed schedules

Web Intelligence Migration

- Bulk conversion of Universes from UNV to UNX
- High-Volume Repoint Web Intelligence reports
- Success validation
- Controlled, project-based workflow

APOS Storage Center



- System Backup
- Content Archiving
- Content Versioning
- Selective Restoration
- Automated System Clean Up

APOS Publisher

- Systematic Content Delivery
- Advanced Document Bursting
- Enhanced Content Distribution
- Security and Encryption
- Statement Generation



APOS Solutions for SAP Analytics Cloud



APOS Live Data Gateway

- High-performance live data connectivity
- Virtualized, governed, self-service connectivity
- Connect to Relational databases
- Connect to OLAP data sources
- Connect to Cloud data environments
- Connect to SAP Application data

APOS Publisher for Cloud

- Automate secure information delivery
- Deliver timely information
- Create a flexible messaging environment
- Simplify administration
- Use multiple formats & destinations
- Burst stories with multiple filters
- Burst conditionally
- Collate stories
- Personalize PowerPoint bursting



APOS Insight for Cloud

Monitor – tracking & alerting for:

- SAC story performance
- System response measures

Validation automated comparisons across SAC versions of:

- SAC story data
- SAC story performance
- SAC story structure

Impact analysis – granular auditing of SAC story structure metadata

APOS Semantic Layer Migration

- Capture SAP BI Universe data connection and data modelling logic
- Project-based, wizard-driven interface
- Scan your SAP BI content for relevant data connections
- Harmonize SAP BI and HANA data modelling throughout Hybrid BI
- Translate SAP BusinessObjects modelling to SAP HANA Calculation Views
- Translate SAP BusinessObjects modelling to a unified semantic layer



Recent Webinar Series

SAP BusinessObjects Flashes of Insight – Webinar Series

[View Recordings of all Sessions](#)

This series goes through how the APOS Insight solution provides strategic and critical information to help BI Operations teams to understand the SAP BusinessObjects systems they are responsible for, and equip them to manage these systems with strong controls and efficiency to reduce operational costs and improve governance.

Session 1 – Managing BI System Change
Session 2 – Performance Analysis
Session 3 – Usage Analysis
Session 4 – Automated Report Testing
Session 5 – Query Management & Governance
Session 6 – Report Impact Analysis

Watch for connection details in webinar follow up materials.



Upcoming Events



Leverage Live Data Analytics - Unlock Value with APOS Live Data Gateway

October 6th , 2022 – 11 am Eastern Time

We will discuss considerations for live data connectivity to a wide range of data assets and platforms, and how APOS Live Data Gateway enables this live connectivity for SAP Analytics Cloud, SAP Data Warehouse Cloud, Power BI, cloud data platforms (Snowflake, Google, AWS, Azure), and many more relational, OLAP, and legacy sources.

Broaden and deepen the value of your analytics with simplified and unified data connectivity for SAP Analytics Cloud and other analytics landscapes.

Solution concepts you will learn:

Primary value considerations delivered through live data access

Live data query performance

Simplified data access and expanded governance with a unified Semantic Layer

Security and authentication integration

Advanced live data considerations, such as custom hierarchies, variables, geospatial support



Register at www.apos.com

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Interested in learning more about SAP Analytics Cloud and Sharing your experience?

JOIN THE SAP ANALYTICS CLOUD GROUP TODAY!



Join easily by searching "SAP Analytics Cloud (SAC)" & Request to Join on LinkedIn!

Questions?



Thank You!

Get in Touch

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