

WEBINAR

# BI 2025 Release Debrief + Automating Migration Steps

# BI 2025 Release Debrief + Automating Migration Steps

## *Key Topics*

- BI 2025 Release Update
- BI 2025 Release – Panel Discussion
- Structured & Managed Upgrade Process
- Validation of Migration Process
- Additional Migration Steps Automation
- Wrap Up

Q&A – see webinar console





**EXTEND**  
SAP ANALYTICS

## Who is APOS?

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





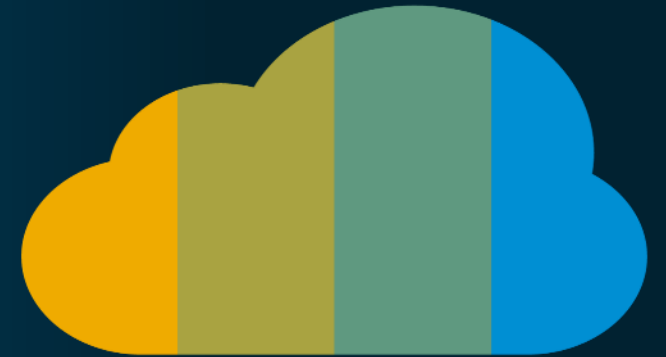
# APOS



SAP BusinessObjects



Hybrid BI



SAP Analytics Cloud

# HOUSEKEEPING



You will have access to the **slides** via email



You will get the **recording** within 24 hours



Download the **handouts** in the panel



Tell us how we did in the **survey**

**BI 2025 is RELEASED!!**

**SAP BI 2025**

March 12, 2025

SAP BI 2027

BusinessObjects 4.3  
Service Pack 5

SAP  
BUSINESS  
OBJECTS

**The Road Ahead for SAP BusinessObjects**

# BI 2025 – Release Debrief – Panel Discussion



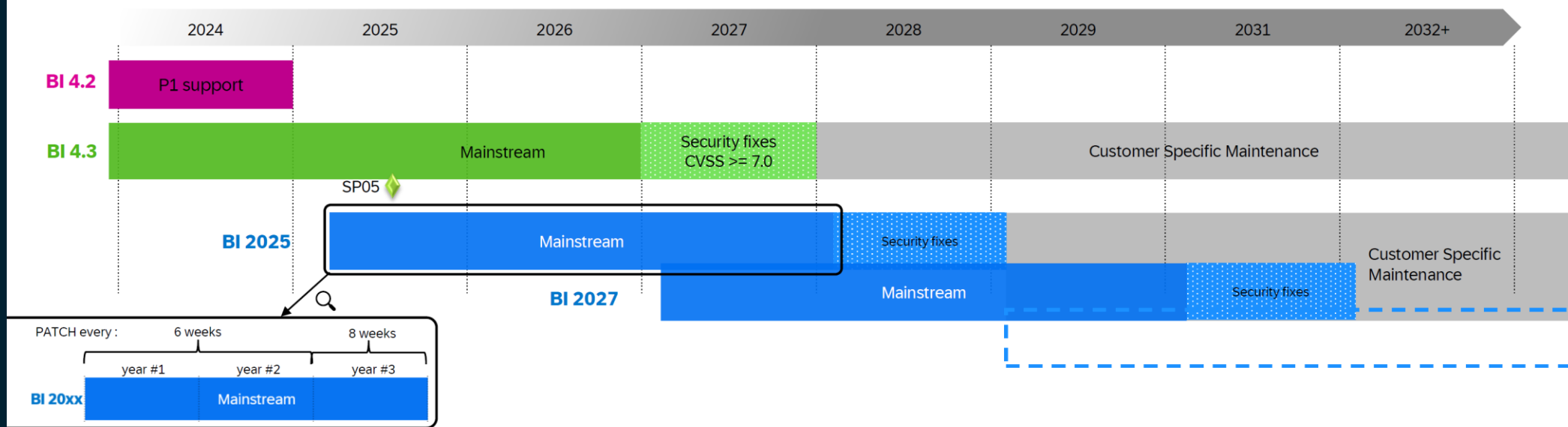
**Mark Richardson**  
Chief Technology Officer  
Rich Analytics



**Chris Hickman**  
Founder and CEO  
Blueline Insights

# SAP BusinessObjects BI Roadmap

## SAP BusinessObjects BI roadmap

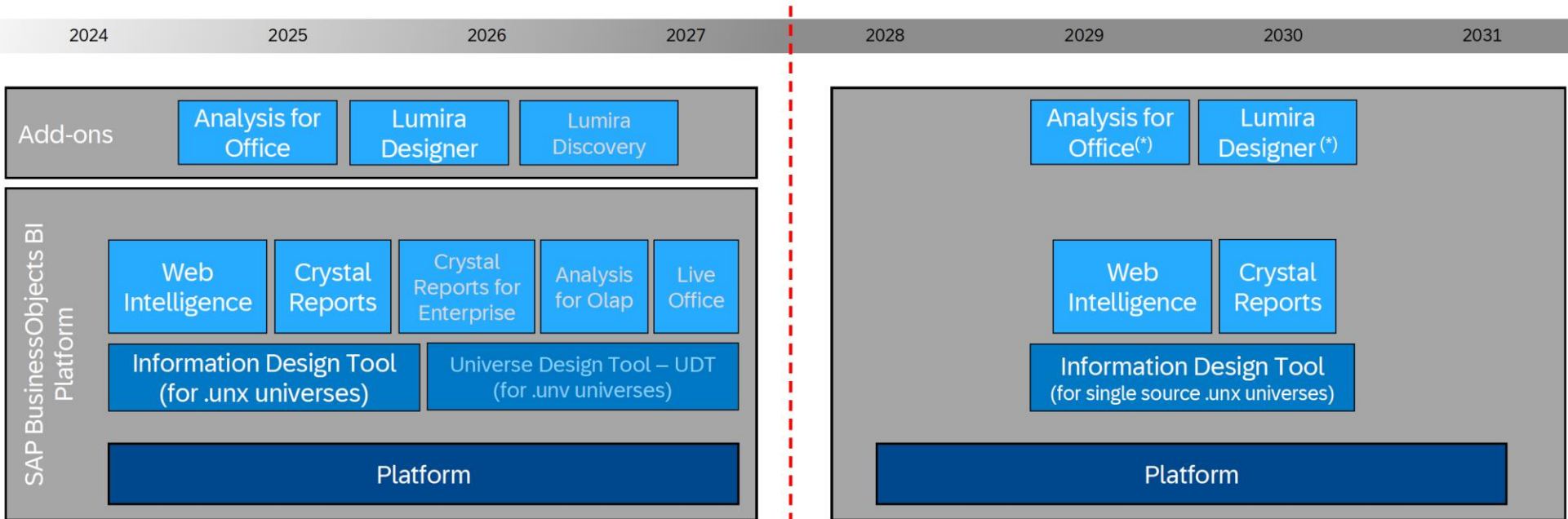


- We revisit our roadmap on a regular basis
- From BI 2025 on, maintenance policy is aligned with [SAP standard maintenance strategy](#)
- Learn more in [SAP Analytics Statement of Direction](#) and [SAP BusinessObjects BI Maintenance Strategy Document](#)



# SAP BusinessObjects – Rationalization Strategy

## SAP BusinessObjects portfolio Rationalization strategy



<sup>(\*)</sup> SAP Analysis for Microsoft Office and SAP Lumira Designer will be maintained and supported, but no new feature will be delivered

# BI 2025 Platform and PAM



## Operating System Support

64-bit BusinessObjects BI Server Products				
Provider Name	Name	Minimum Supported version	Latest certified version *	Notes
Windows	Microsoft Windows Server	2022	2025	
Linux	Amazon Linux	2	2	Refer to <a href="#">Minimum HW Requirement - Linux</a> page of this document for more information about minimum OS patch requirement.
	Suse x86_64 SLES	15 SP03	15 SP06	
	Red Hat x86_64 EL	8.8	8.10 / 9.5	
	Oracle Linux (RHCK)(UEK)	8.8	8.10 / 9.5	

64-bit BusinessObjects BI Desktop Client Products				
Provider Name	Name	Minimum Supported version	Latest certified version *	Notes
Windows	Windows Server	2022	2025	
	Windows Client	11	11 23h2	

# SAP Crystal Reports 2025 – What’s New – Highlights

Areas	Features
New connectivity	<ul style="list-style-type: none"><li>• New “SAP BW (DSL)” driver</li></ul>
Continuous improvements	<ul style="list-style-type: none"><li>• Query Panel: Database Sorting and Ranking</li><li>• BI Launchpad tile to launch CR Classic Designer</li><li>• CR Designer start page short cuts to Unx / BW DSL drivers</li></ul>
CR4E removal	<ul style="list-style-type: none"><li>• Crystal Reports for Enterprise (CR4E) no longer supported since BI2025</li><li>• Crystal Reports 2025 Desktop Viewer</li></ul>
What's Next (near future)	<ul style="list-style-type: none"><li>• RESTful SDK for CR Classic (4.3 SP05, early preview)</li></ul>
Demos & Hands on	<ul style="list-style-type: none"><li>• Demo several of above features</li><li>• Hands on: Migrate CR4E Unx report to CR2025</li></ul>

# SAP Web Intelligence – What's New – Highlights

## New Report Elements

New types of report elements, in addition to existing report elements (classic tables and charts)

- Implement interactive behaviors
- Different types:
  - **Table**: Scrollable, vertical table
  - **Charts**: New look and feel
  - **Filters** that can be inserted in the document itself
  - **Cells**: Rich Text and Picture
  - **Actions**: Hide/Show other report elements, Explore
- **Their rendering is delegated to browser, and not to the server**
- Integrated in Web Intelligence framework
  - Object Feeding
  - Rank, Sorting
  - Positioning
  - Section
  - Element Linking
- These new report elements have fixed sizes



# SAP Web Intelligence – What's New – Highlights

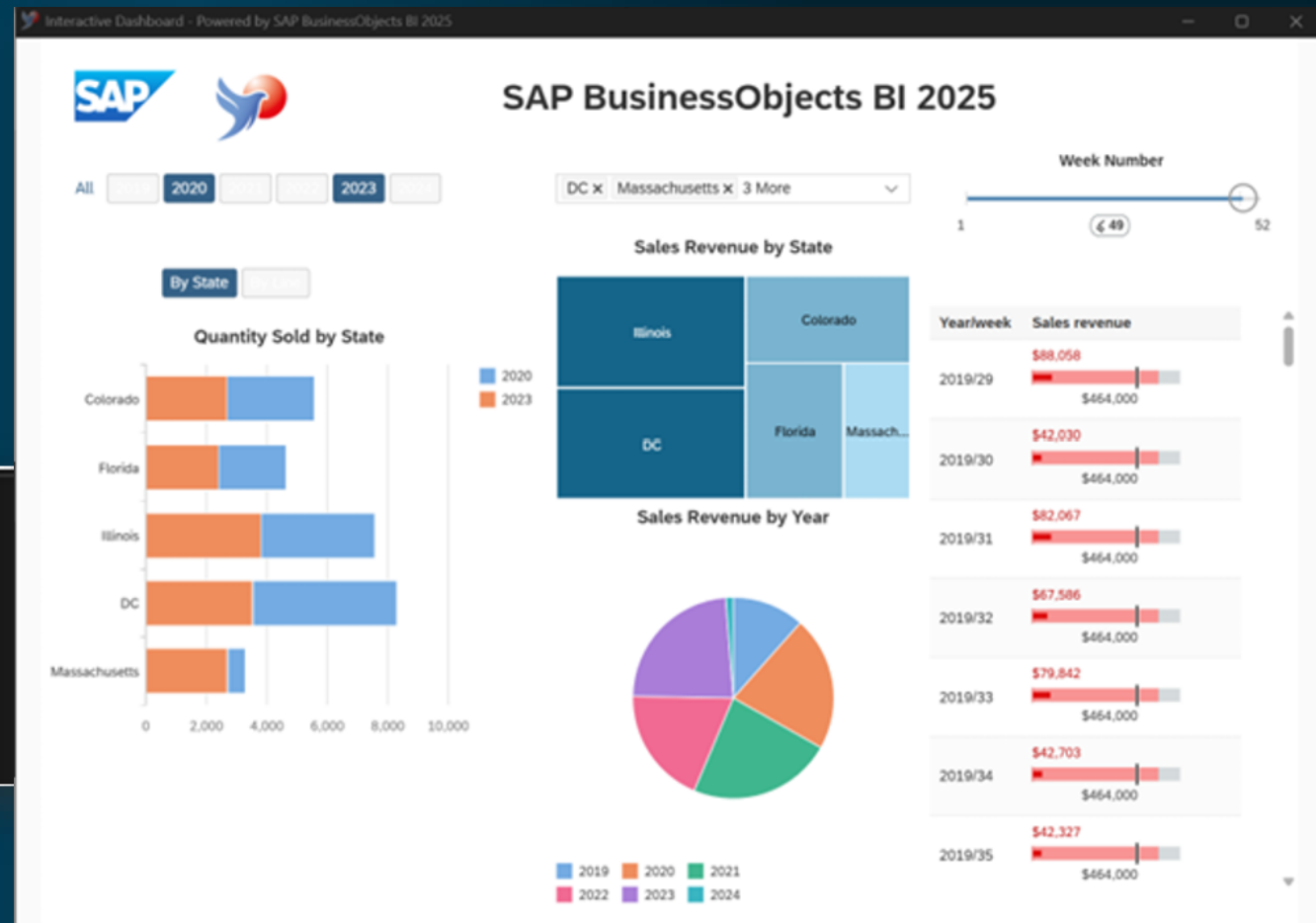
## New use-case to share Web Intelligence content

- Export the Web Intelligence document into a new format that proposes filtering and interactions
- Self sufficient file format for easier reading and sharing:
  - No need to install any application (based on HTML)
  - No need to query the server
  - No need to connect and authenticate to the CMS
  - No license required to read a WIDX - Free of charge!
- WIDX can also be scheduled/published
  - Inbox and email destinations are not supported because of the WIDX size (dozens of MB)

# SAP Web Intelligence – What's New – Highlights

- Export generates a ZIP file
- Once unzipped, double-click the WIDX shortcut to start the interactive WIDX application

Name	Date modified	Type
Interactive Dashboard.widx	28/01/2025 20:12	Shortcut
.debug	28/01/2025 20:12	File folder
.internal	28/01/2025 20:12	File folder



# SAP Semantic Layer – What's New – Highlights

- UNV Deprecated – UNX Universes Required
- New Supported Databases
  - Mongo DB BI Connector
  - GreenPlum 7
  - PostgreSQL 16
  - Oracle 23c
  - MS Excel 2021
  - Single Sign-on OAuth for Databricks
- Deprecated Database Support
  - Google BigQuery BusinessObjects
    - Replaced by Google BigQuery JDBC
  - SAP Vora 1 and Vora 2
  - SAP HANA Vora

Full Support Listing @ Product Availability Matrix: [SBOP BI 2025](#)

Attention: Pages 26/27 & 76/77

# Automating Migration Steps



**Fred Walther**

Senior Solution Consultant  
APOS



# Effective Preparation for BI 2025 and Your Next SAP BusinessObjects Upgrade

*December 5, 2024 - Key Topics*

- Establish a Clear Picture of System Content
- Store, Secure, and Archive System Content
- Streamline Content to Reduce Upgrade Workload
- Structured and Managed Upgrade Process

# Establish a Clear Picture of System Content

## What kind of picture?

- Full inventory of system
- Where in system do objects exist?
- Who owns the objects?
- Type of objects?

## Why is it important?

- Can't manage what you don't know
- Need for decision-making

## How do you accomplish this with APOS automation?



APOS Insight

# Develop Clarity about High / Low Priority Content

**How do you differentiate between high/low priority content?**

- Frequency of report use
- Who is using the reports

**What content shouldn't be migrated?**

- Unused reports
- Duplicate reports

**How do you accomplish this with APOS automation?**



APOS Insight



# Store, Secure, and Archive System Content

## Why store and secure all system content?

- Security/safety
- Ease of migration
- Ease of restoration, continuous operation

## What is the difference between “back up” and “archive”?

- Back up refers to all of the system objects – reports, universes, connections, etc.
- Archive refers to report instances – your documents of record

## How do you accomplish this with APOS automation?



APOS Storage Center



# Streamline Content to Reduce Upgrade Workload

## How does Technical Debt apply to SAP BusinessObjects?

- All system content: good debt vs bad debt
- Unnecessary system burden & challenge
- Management, maintenance, analysis – and upgrades!

## How do you remove Technical Debt from the SAP BusinessObjects system?

- Manual deletion – time consuming
- Rules-based approach - automated

## How do you accomplish this with APOS automation?



APOS Storage Center



APOS Insight

# Structured and Managed Upgrade Process

## What does this mean?

- Enhanced controls for migration of content from Source to Target
- Selective, targeted, structured migration of content
- Compartmentalized migration (Group by group, or folder by folder)
- Validation of steps

## Why is this beneficial?

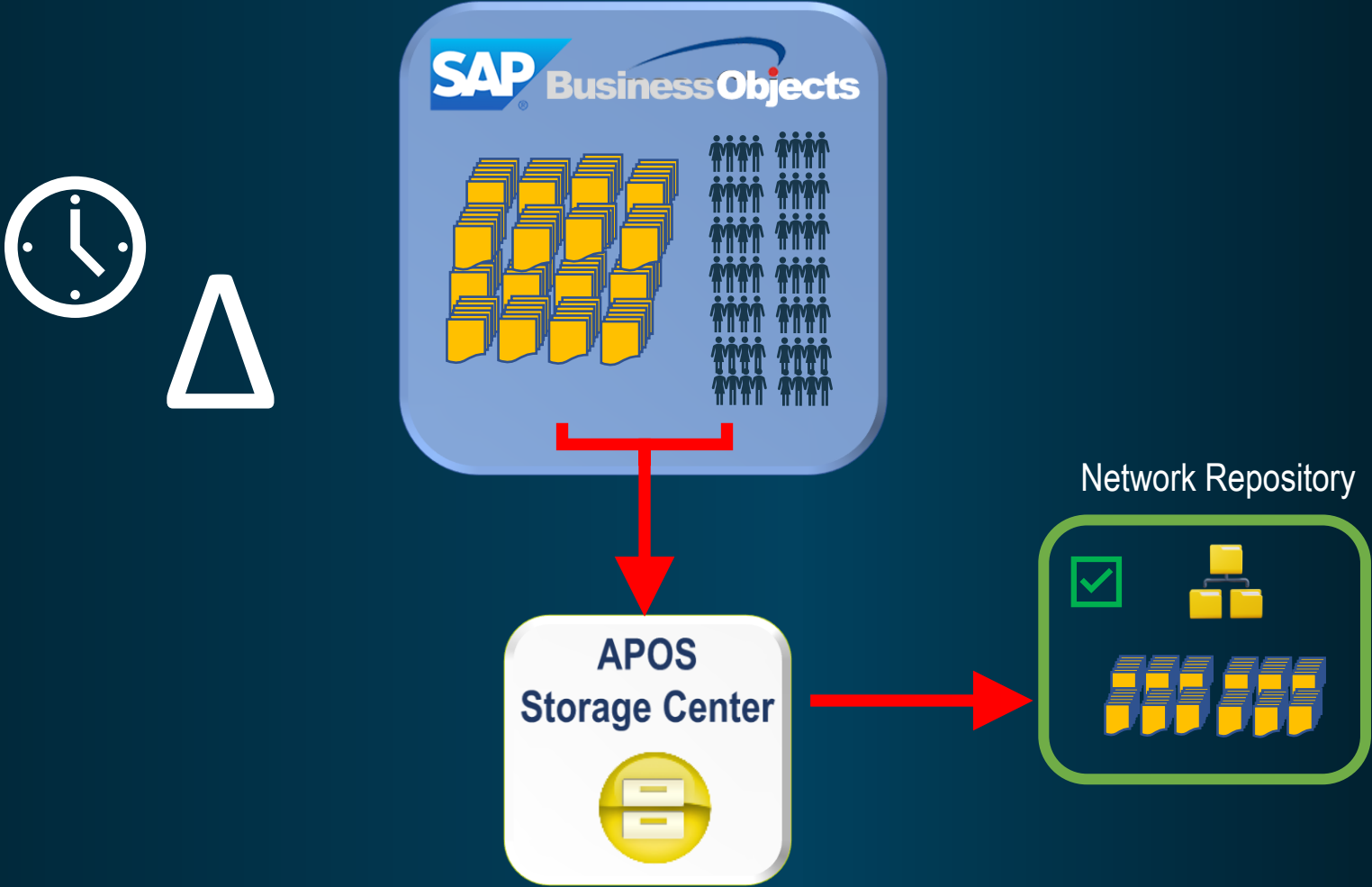
- Improved control of migration process
- Added flexibility for controlling content promotion
- Move easily between platforms/versions

## How do you accomplish this with APOS automation?



APOS Storage Center

# Storage Center



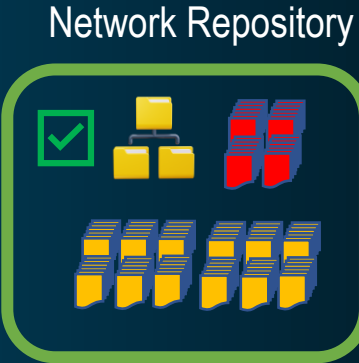
# Storage Center



Network Repository

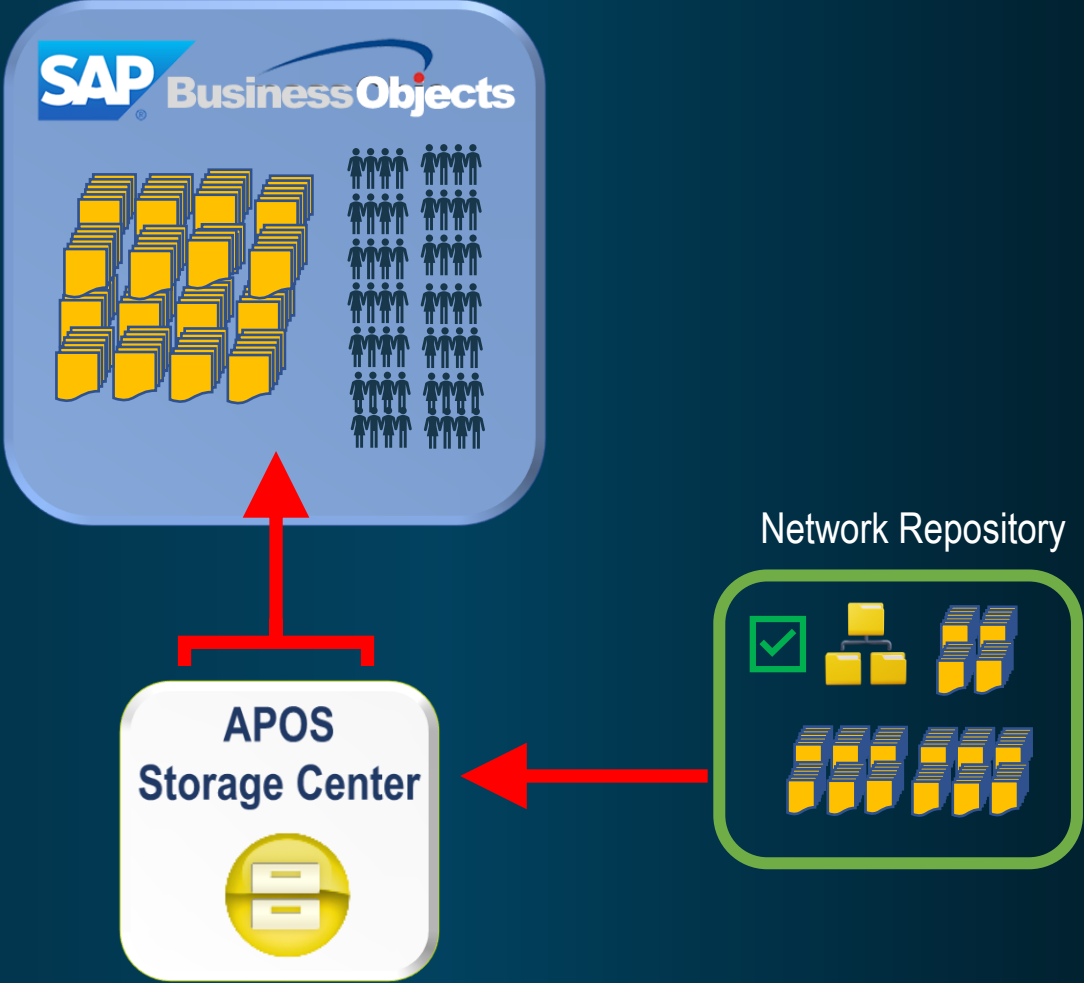


# Storage Center





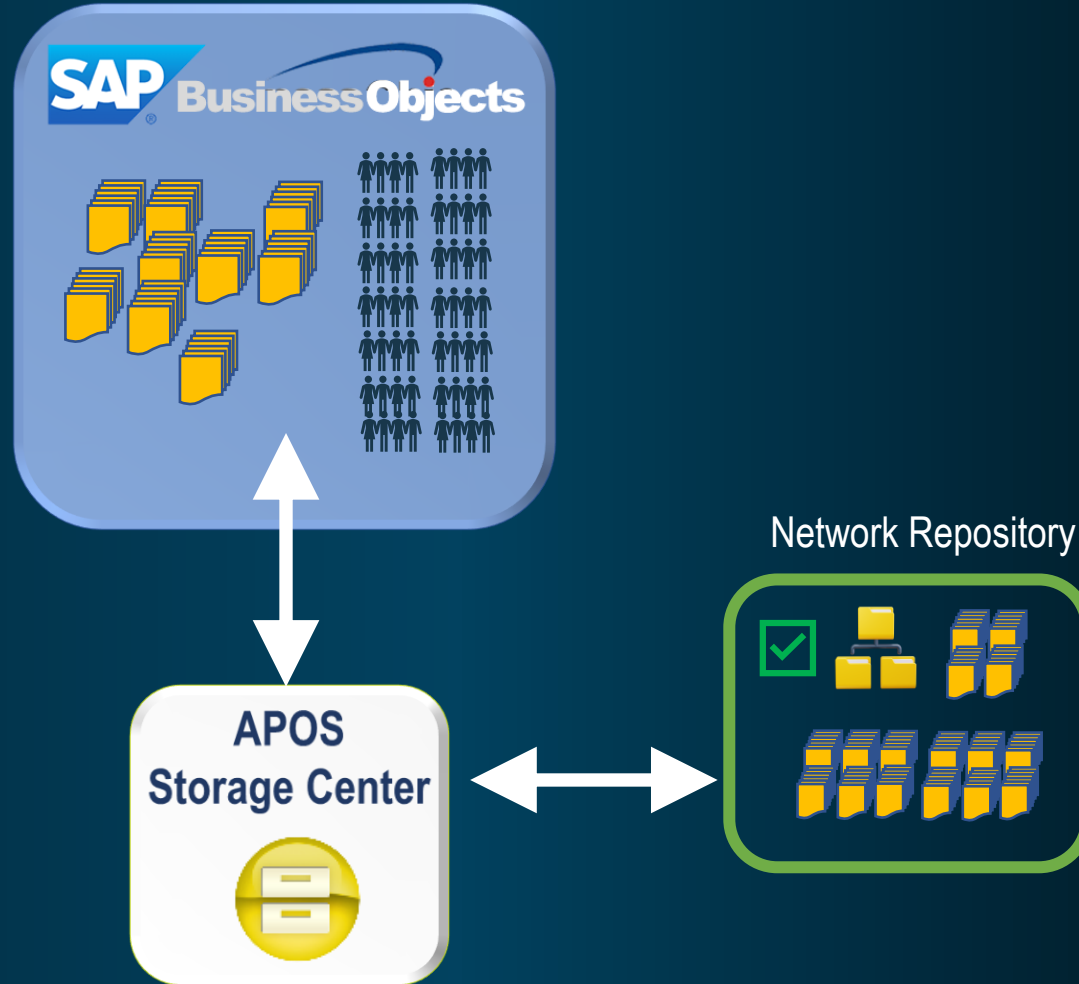
# Storage Center



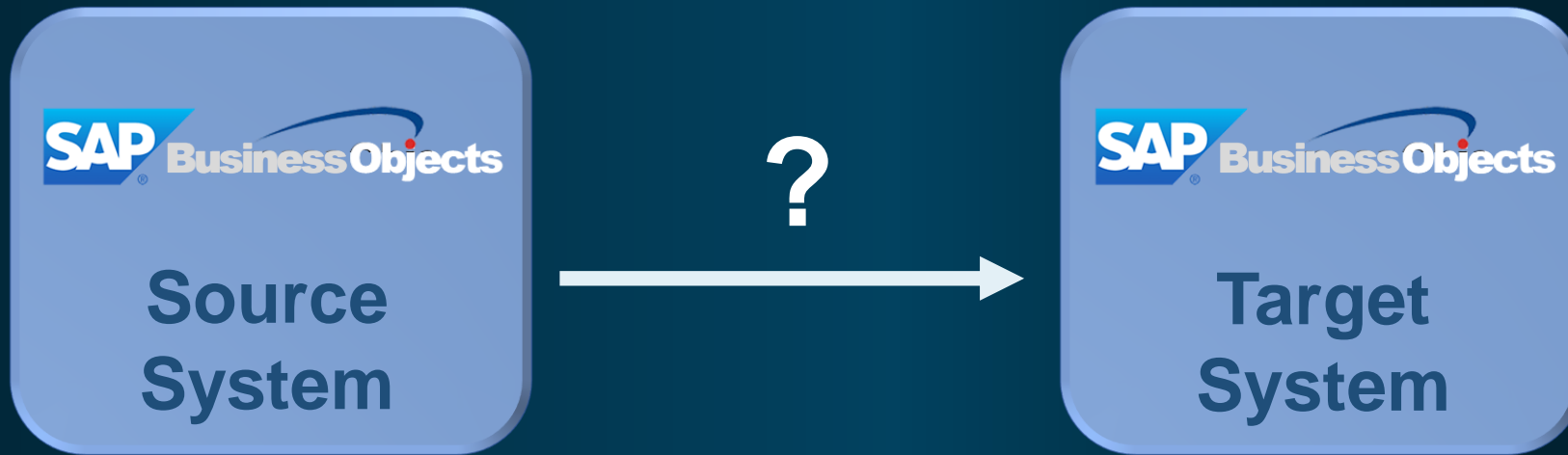
# Storage Center

Storage Center is an effective solution for controlled and automated movement and storage of SAP BusinessObjects reports

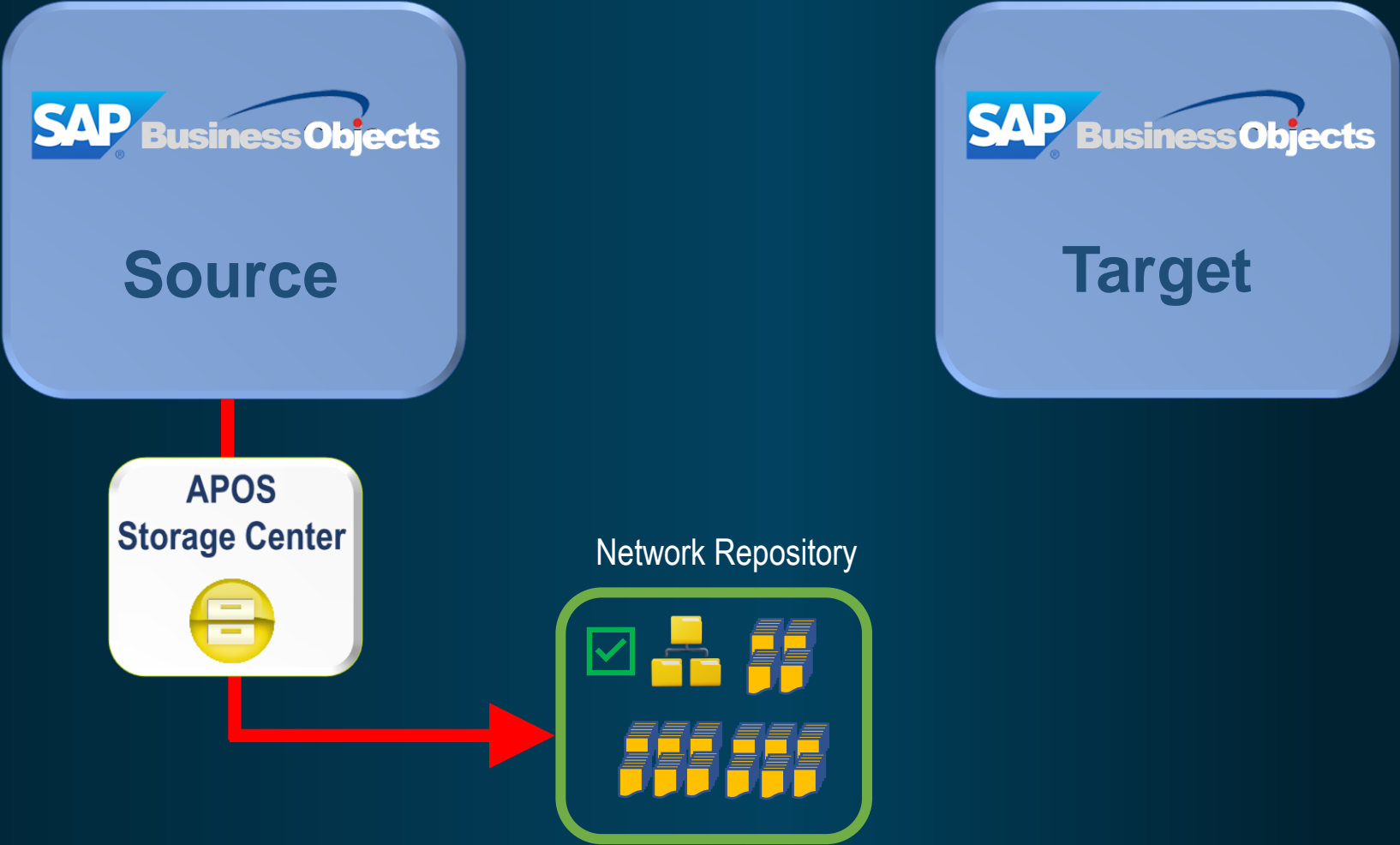
- Migration preparation
- Automated clean up
- Controlled execution of report migration during platform upgrade phases



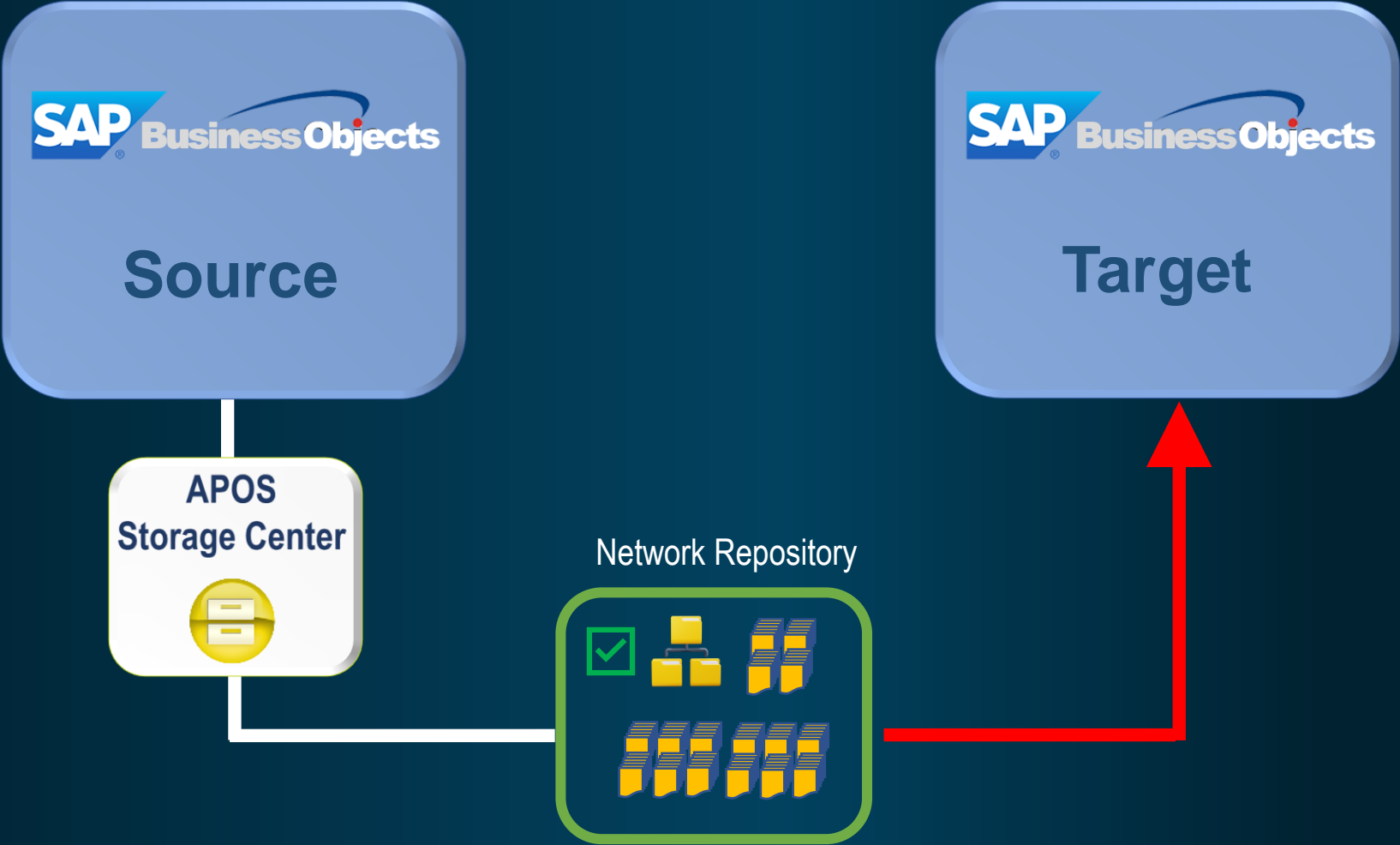
# Report Migration



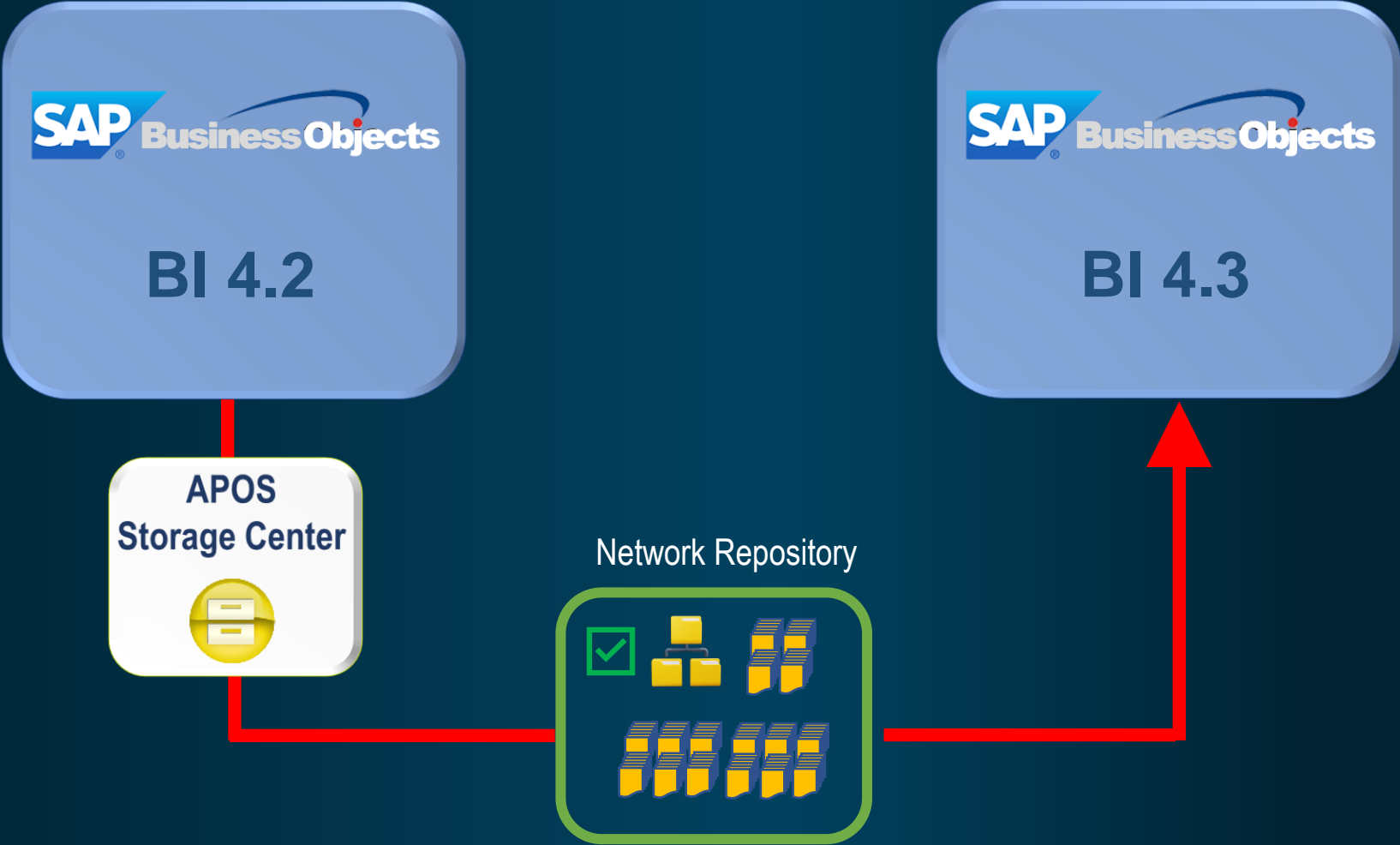
# Enhanced Migration Controls



# Enhanced Migration Controls

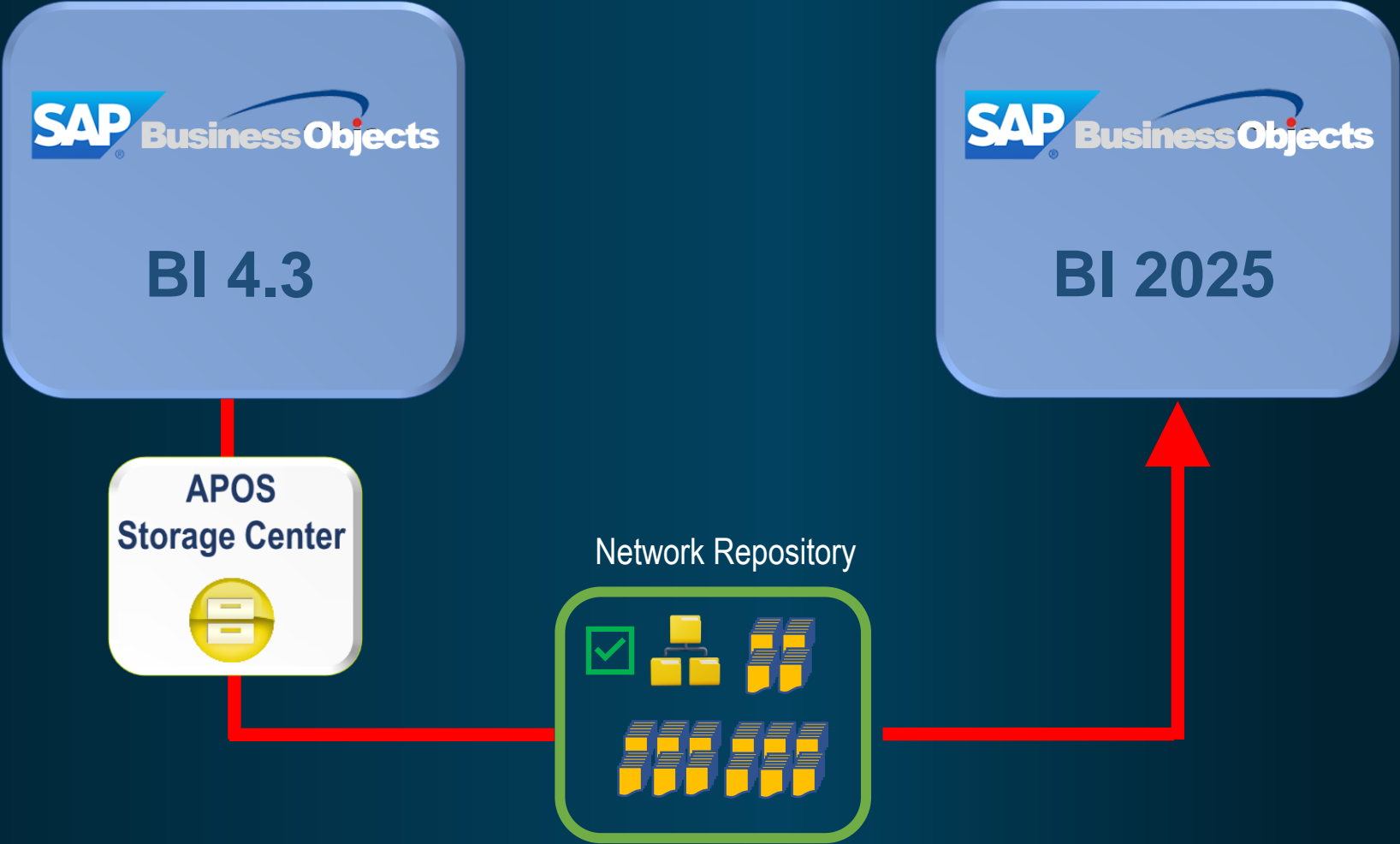


# Enhanced Migration Controls

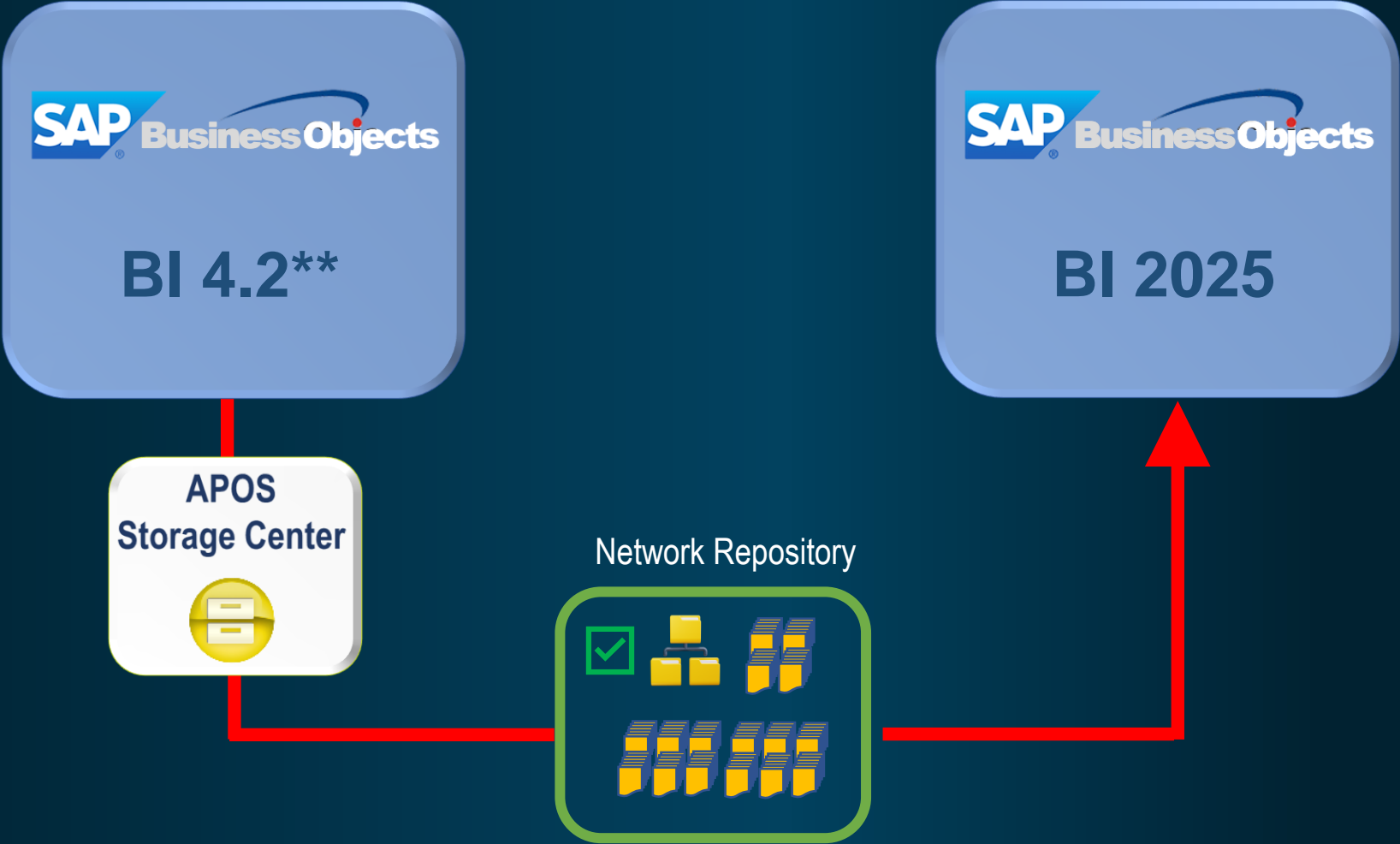




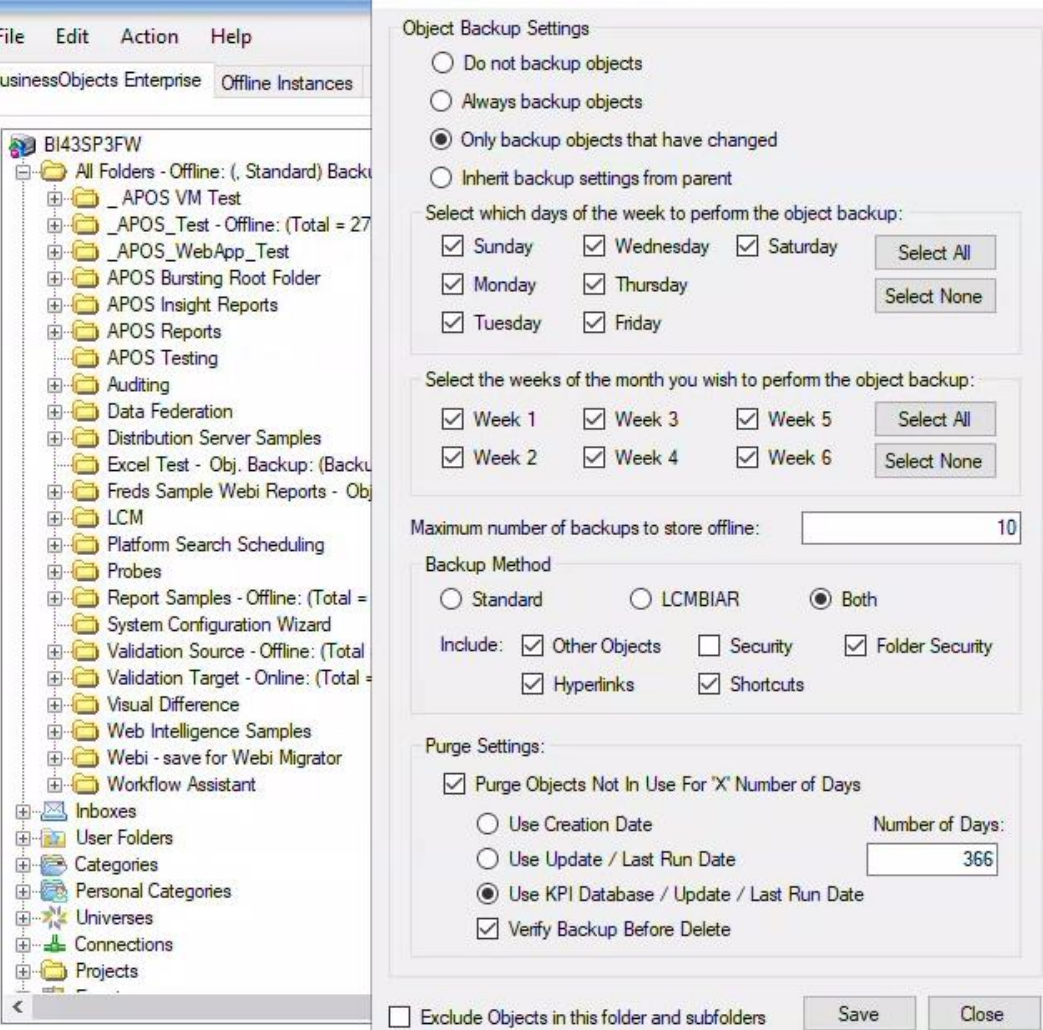
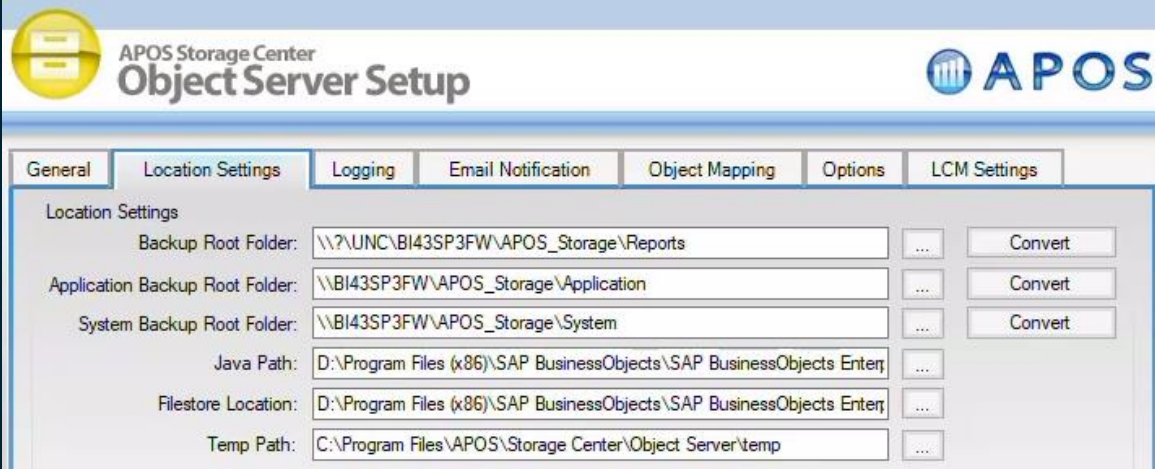
# Enhanced Migration Controls



# Enhanced Migration Controls



# Storage Center - Backup



# Storage Center - Restoration

The screenshot displays the Storage Center interface with several overlapping windows:

- File Explorer:** Shows a directory structure under 'Reports > Report\_Samples - 5722 > Demonstrations'. The 'World\_Sales\_Report' folder is selected.
- Object Backups:** A table listing backup details for various reports.
- Context Menu:** Opened over 'Xtreme Orders by Product', showing options: 'Restore Latest Version', 'Find All Versions', and 'Restore Latest Schedules'.
- Instance List - Offline Archive:** A table listing report instances with their status, names, types, and archival dates.

Name	Last Backup	Versions	Last Modified	Submitter
Efashion Sales Revenue By Year and ...	2024-12-05 00:24:02	1	2024-03-21 14:31:21	Administrator - 12
Xtreme and Adv Works Orders	2024-12-05 00:23:52	1	2024-03-21 14:31:21	Administrator - 12
Xtreme Customer List by Country	2024-12-05 00:24:23	1	2024-03-21 14:31:21	Administrator - 12
Xtreme Employee Listing	2024-12-05 00:24:45	1	2024-03-21 14:31:21	Administrator - 12
Xtreme Last Year's Sales by Country	2024-12-05 00:23:30	1	2024-03-21 14:31:21	Administrator - 12
Xtreme Orders by Country	2024-12-05 00:25:04	1	2024-03-21 14:31:21	Administrator - 12
Xtreme Orders by Product	2024-12-05 00:23:17	1	2024-03-21 14:31:21	Administrator - 12
Xtreme Orders by Product Cla				
Xtreme Order Information				
Xtreme Pending Orders By Er				
Xtreme Pending Orders By Product				
Xtreme Pending Orders By Supplier	2024-12-05 00:23:43			
Xtreme Product Class Listing by Supplier	2024-12-05 00:24:33			

Status	Report Name	Instance Type	Exported Type	Last Archived	Start
Offline	Efashion Sales Revenue By Year and...	Webi	Excel	2024-08-12 13:44:46	2024
Offline	Xtreme Orders by Country	Webi	Excel	2024-08-12 13:44:59	2024
Offline	Xtreme Order Information	Webi	Excel	2024-08-12 13:45:24	2024
Offline	Xtreme Order Information	Webi	Excel	2024-08-12 13:45:12	2024
Offline	World Sales Report	Report	Excel	2024-08-12 13:44:27	2024
Offline	Webi_Prompt	Webi	Excel	2024-08-28 16:32:29	2024
Offline	Webi_Prompt	Excel		2024-08-28 17:32:13	2024
Offline	Extended_Price by Country	PDF		2024-08-27 09:33:01	2024
Offline	Extended_Price by Country	PDF		2024-08-27 09:32:54	2024
Offline	Extended_Price by Country	PDF		2024-08-27 09:32:46	2024
Offline	Extended_Price by Country	PDF		2024-08-27 09:32:39	2024
Offline	Extended_Price by Country	PDF		2024-08-27 09:32:31	2024
Offline	Extended_Price by Country	PDF		2024-08-27 09:32:24	2024
Offline	Extended_Price by Country	PDF		2024-08-27 09:32:16	2024
Offline	Extended_Price by Country	PDF		2024-08-27 09:32:09	2024
Offline	Webi_Prompt	Webi	Excel	2024-08-19 11:23:00	2024
Offline	Xtreme Sales	Report	Excel	2024-08-12 13:45:51	2024



# Validation of Migration Process

## What does this mean?

- Test that all content is migrated successfully
- Test that data results are consistent – pre and post migration
- Test that report performance is acceptable – pre and post migration

## Why is this beneficial?

- Ensure that no content is missed or lost
- Confirm that report data is accurate for effective decisions
- Isolate and address performance bottlenecks
- Improved controls and governance, support system confidence

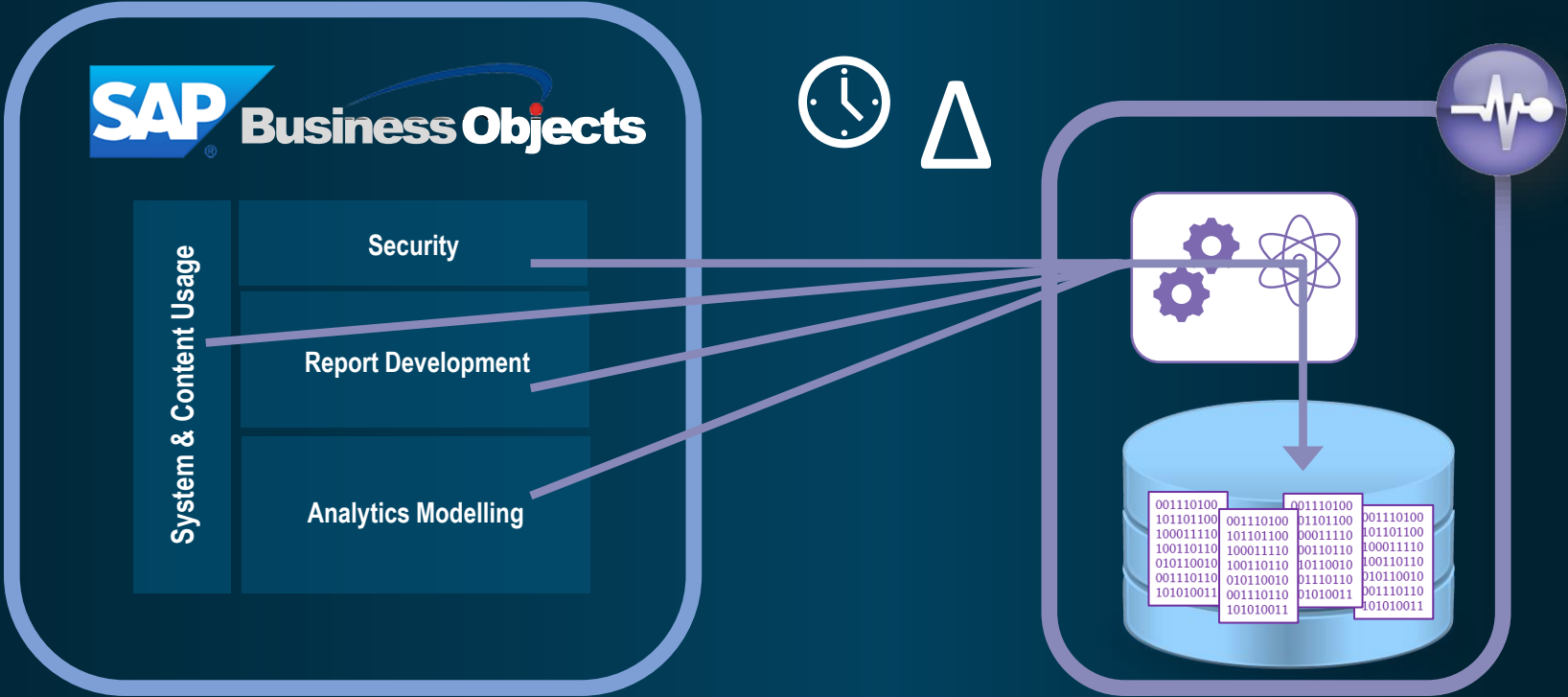
**Challenge:** Very time-consuming and costly to do more than limited testing (vs risk)

**How do you accomplish this with APOS automation?**



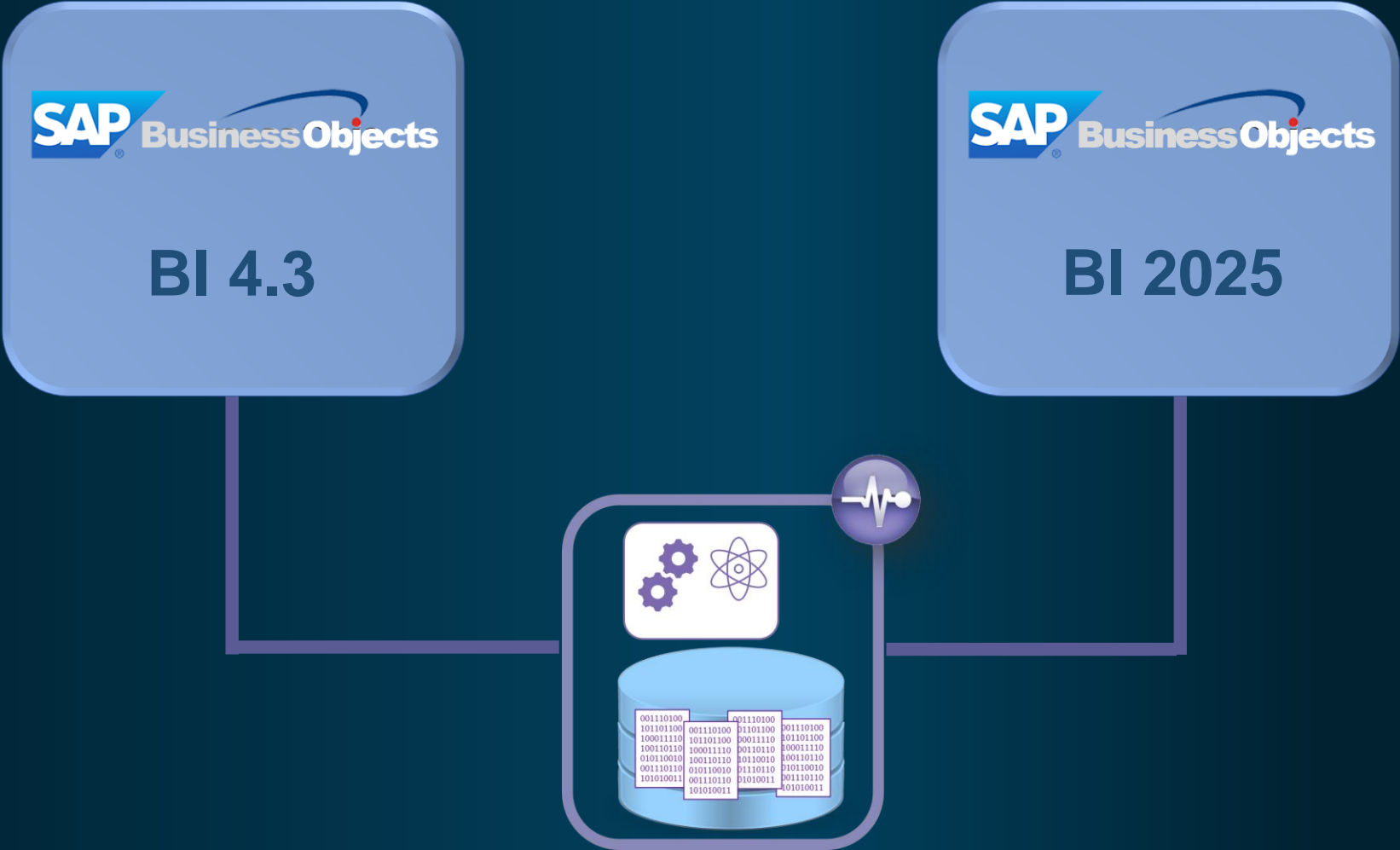
APOS Insight Auditing & Validation Manager

# System Metadata





# System Metadata – Source and Target



# System Analysis

The screenshot displays the APOS Insight Admin interface. At the top, there are navigation tabs: SAP BI Login Profiles, Database Profiles, SMTP Profiles, Frequency Profiles, General Profiles, Service Management, and Service Commar. Below these, a SQL query is shown in a text area:

```
SELECT * FROM AP_Objects ORDER BY SI_PROGID
SELECT * FROM AP_CommonEvents
SELECT * FROM AP_WebiExtInfoDP
```

The results are displayed in a table with the following columns: AP\_Info\_Date, System\_Name, SI\_ID, SI\_NAME, SI\_OWNER, SI\_DESCRIPTION, and AP\_ServiceType. The table contains 8 rows of data.

AP_Info_Date	System_Name	SI_ID	SI_NAME	SI_OWNER	SI_DESCRIPTION	AP_ServiceType
20000101000000	BI43SP3FW	4336	BI Administration Console	System Account	Modify settings for the BI Administration Console	< Default Profile >
20000101000000	BI43SP3FW	621	Security Query Export	System Account	Allows scheduling of exported security queries	< Default Profile >
20000101000000	BI43SP3FW	637	Update Authentication Group Membership	System Account	Allows scheduling of group membership updates	< Default Profile >
20000101000000	BI43SP3FW	647	Update Authentication Group Membership and User ...	System Account	Allows scheduling of group membership and user	Insight - SAP BI CMS ...
20000101000000	BI43SP3FW	4800	Principal File Import	System Account	Allows scheduling of principal file imports	< Default Profile >
20000101000000	BI43SP3FW	543	Alerting	System Account		< Default Profile >
20000101000000	BI43SP3FW	4745	AnalyticsHub Service Published Data	System Account		Insight - SAP BI CMS ...
20000101000000	BI43SP3FW	5056	AnalyticsHub Service Published DocumentList	System Account		< Default Profile >

Below this table, another table is shown with columns: AP\_UpdateDate, System\_Name, AP\_EventID, AP\_ClusterID, AP\_ServerName, and AP\_ServiceType. It contains 8 rows of data.

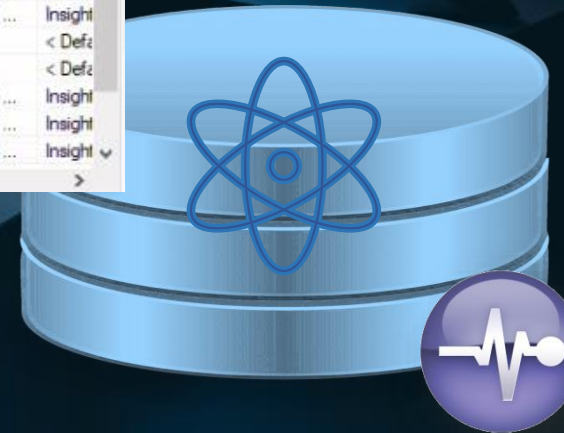
AP_UpdateDate	System_Name	AP_EventID	AP_ClusterID	AP_ServerName	AP_ServiceType
20240321161526	BI43SP3FW	8011452923218755824	AWFdCKSMvCZJr1xMebxTJY4	BI43SP3FW.CentralManagementServer	Central Management Service
20240321161526	BI43SP3FW	8011452923218755824	AWFdCKSMvCZJr1xMebxTJY4	BI43SP3FW.CentralManagementServer	Central Management Service
20240321161526	BI43SP3FW	8011452923218755824	AWFdCKSMvCZJr1xMebxTJY4	BI43SP3FW.CentralManagementServer	Central Management Service
20240321161526	BI43SP3FW	8011452923218755824	AWFdCKSMvCZJr1xMebxTJY4	BI43SP3FW.CentralManagementServer	Central Management Service
20240321161526	BI43SP3FW	8011452923218755824	AWFdCKSMvCZJr1xMebxTJY4	BI43SP3FW.CentralManagementServer	Central Management Service
20240321161526	BI43SP3FW	8011452923218755823	AWFdCKSMvCZJr1xMebxTJY4	BI43SP3FW.CentralManagementServer	Central Management Service
20240321161526	BI43SP3FW	8011452923218755823	AWFdCKSMvCZJr1xMebxTJY4	BI43SP3FW.CentralManagementServer	Central Management Service
20240321161526	BI43SP3FW	8011452923218755823	AWFdCKSMvCZJr1xMebxTJY4	BI43SP3FW.CentralManagementServer	Central Management Service

At the bottom, a third table is shown with columns: AP\_Info\_Date, System\_Name, SI\_ID, AP\_ID, AP\_Name, AP\_RowCount, AP\_SampleSize, AP\_RefreshDate, AP\_IsPartial, and AP\_IsCustomQuery. It contains 8 rows of data.

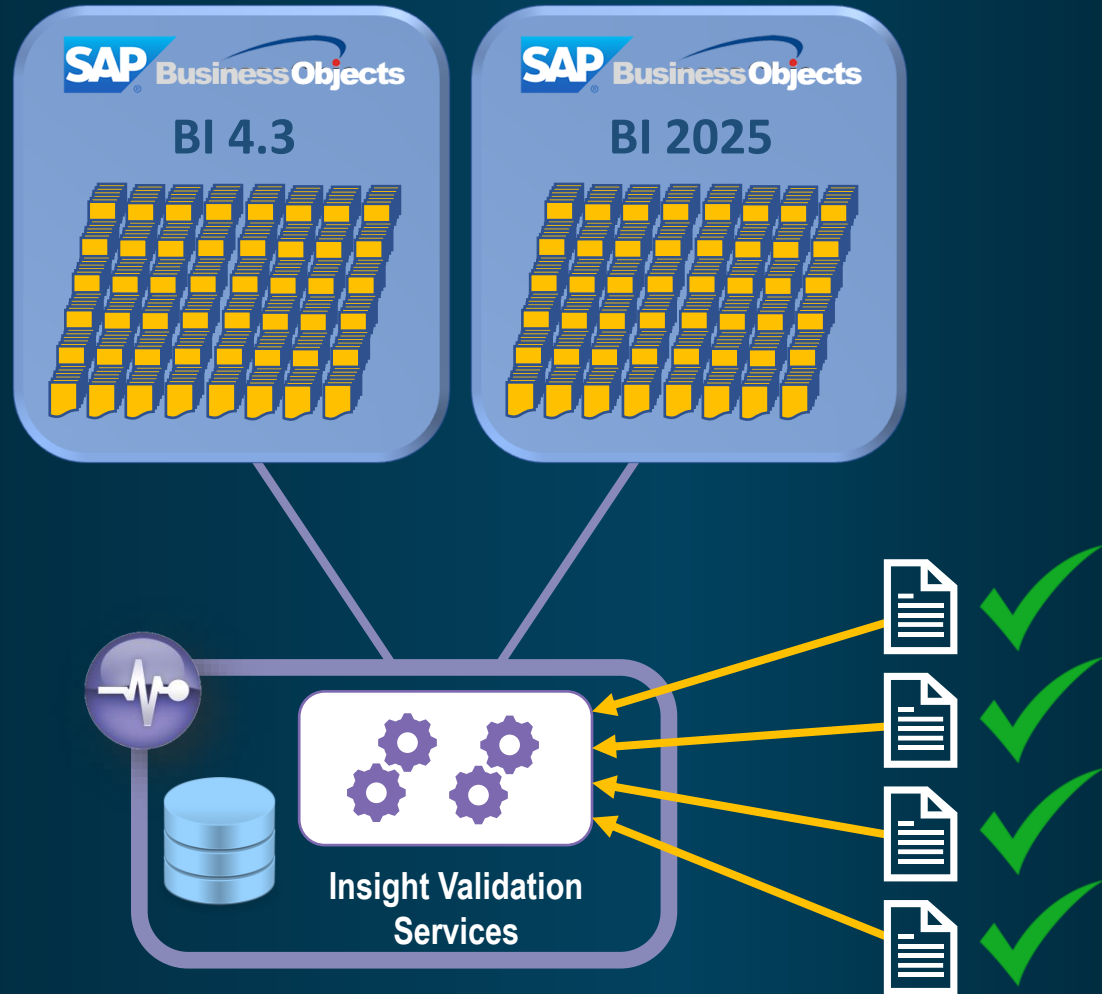
AP_Info_Date	System_Name	SI_ID	AP_ID	AP_Name	AP_RowCount	AP_SampleSize	AP_RefreshDate	AP_IsPartial	AP_IsCustomQuery
20000101000000	BI43SP3FW	5659	DP18	Result	974	0	2022-09-13 02:51:10.000	0	0
20000101000000	BI43SP3FW	5661	DP0	Query 1	9566	0	2022-09-13 02:47:10.000	0	0
20000101000000	BI43SP3FW	625376	DP0	Query 1	1	0	2024-08-19 10:47:53.000	0	0
20000101000000	BI43SP3FW	5665	DP1	Video Games	400	0	2022-07-09 07:22:39.000	0	NULL
20000101000000	BI43SP3FW	5666	DP1	Sales Details	696	0	2022-09-23 08:33:27.000	0	0
20000101000000	BI43SP3FW	5666	DP2	City Details	11	0	2022-09-23 08:33:27.000	0	NULL
20000101000000	BI43SP3FW	5666	DP3	State Area	8	0	2022-09-23 08:33:27.000	0	NULL
20000101000000	BI43SP3FW	5668	DP1	Video Games	400	0	2022-07-09 07:23:13.000	0	NULL

Object Explorer

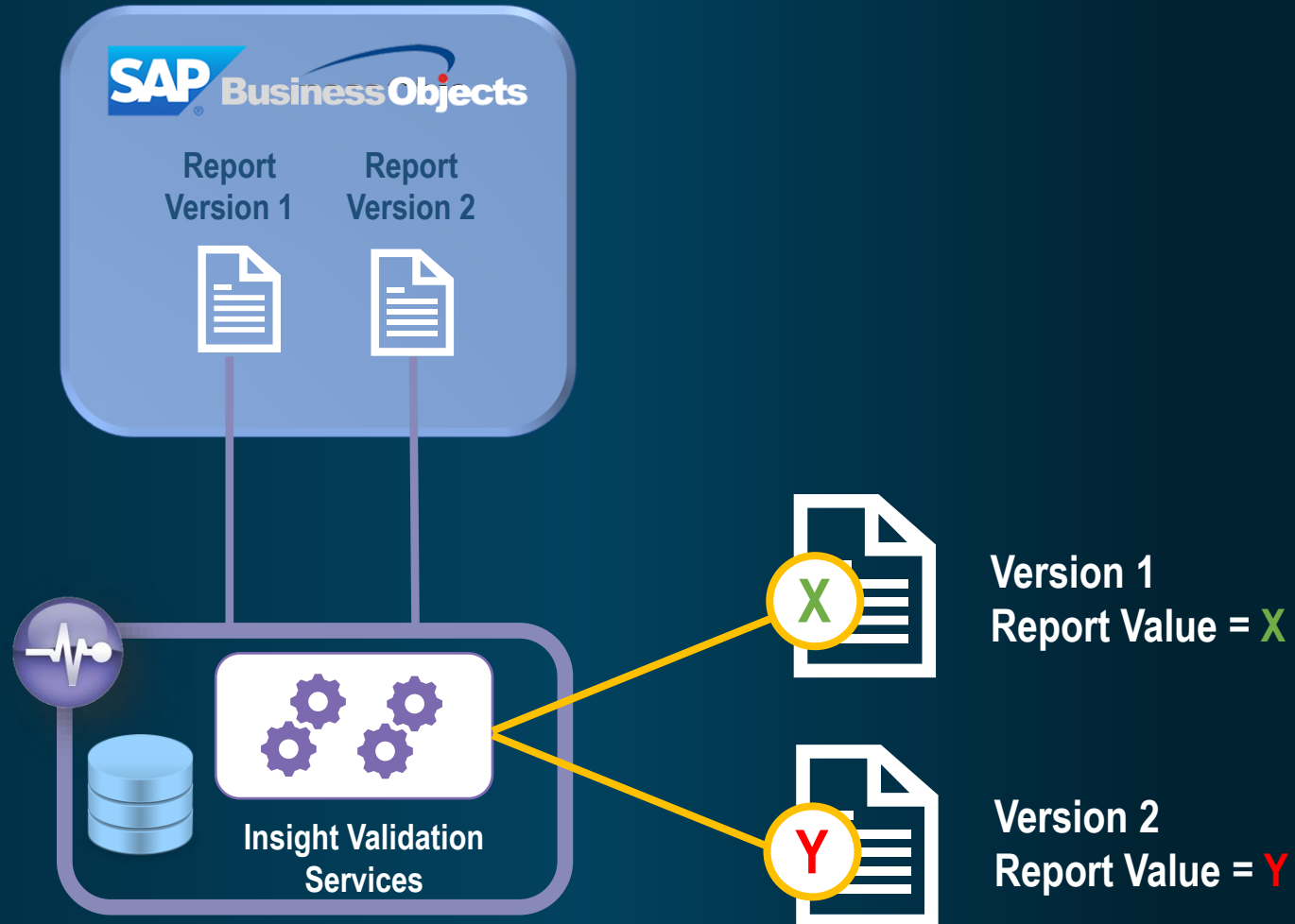
- Connect
- dbo.AP\_AOExtInfoEl
- dbo.AP\_AOExtInfoGrid
- dbo.AP\_AOExtInfoParms
- dbo.AP\_AOExtInfoRange
- dbo.AP\_AuditReportSumm
- dbo.AP\_BexQuery
- dbo.AP\_BexQueryFields
- dbo.AP\_BexQueryParms
- dbo.AP\_Blacklist
- dbo.AP\_BVOObjects
- dbo.AP\_BVRelationships
- dbo.AP\_Calendars
- dbo.AP\_Categories
- dbo.AP\_CategoryRel
- dbo.AP\_CommonEvents
- dbo.AP\_ConnectionCoun
- dbo.AP\_Connections
- dbo.AP\_DBFieldRef
- dbo.AP\_DBFieldRefDetail
- dbo.AP\_DSObjects
- dbo.AP\_EventTypes
- dbo.AP\_EventAlerts
- dbo.AP\_Events
- dbo.AP\_FinishedInstance
- dbo.AP\_InstanceProps
- dbo.AP\_LCMEvents
- dbo.AP\_Log
- dbo.AP\_LoginTimeInSec
- dbo.AP\_MIVObjects
- dbo.AP\_Notifications
- dbo.AP\_ObjectDetails
- dbo.AP\_Objects
- dbo.AP\_Objects\_Status
- dbo.AP\_PasswordExpiry
- dbo.AP\_PlatformEvents
- dbo.AP\_ProcessInfo
- dbo.AP\_PubRecipDynRel
- dbo.AP\_PubRecipRel



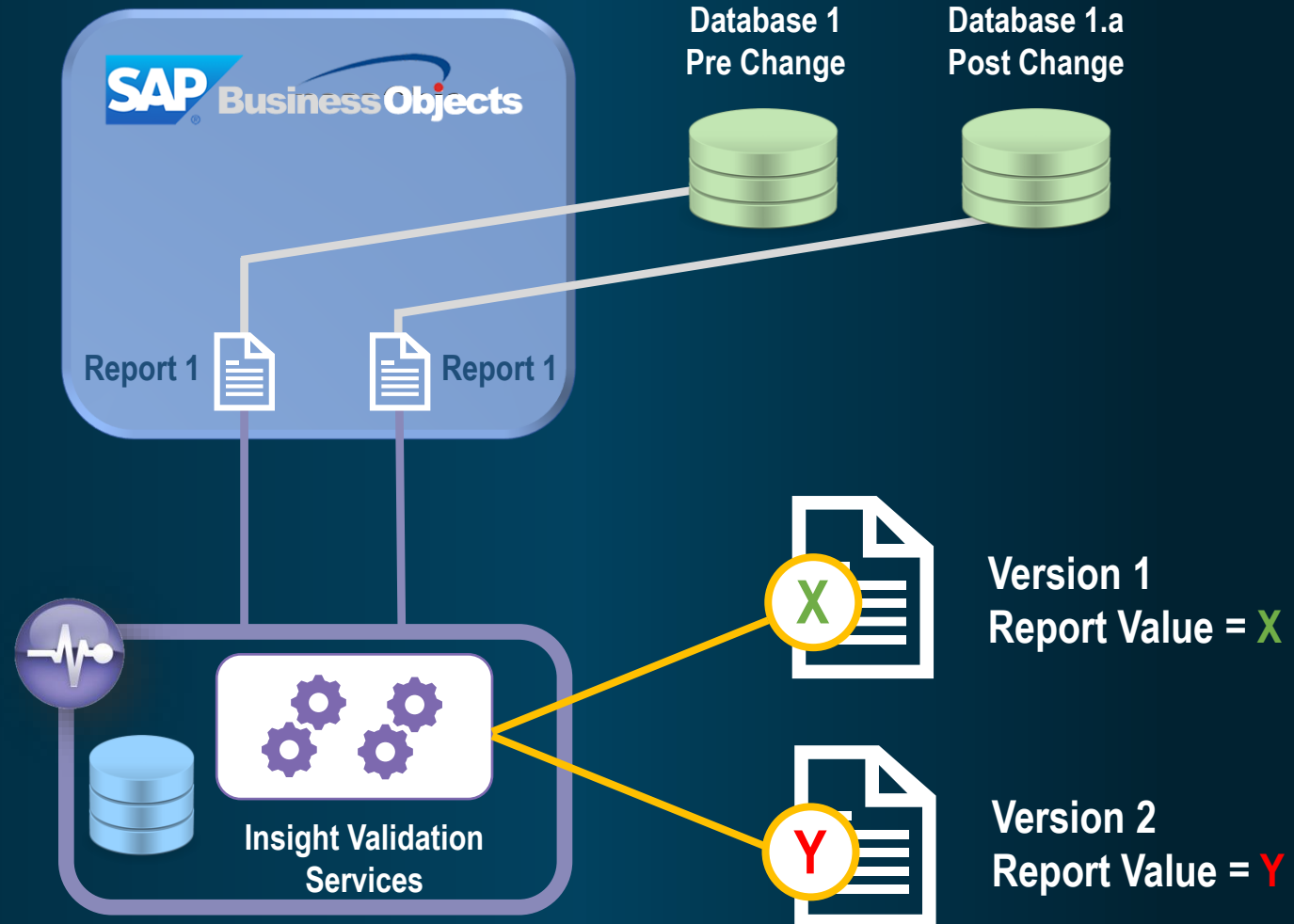
# Validate Data and Performance



# Regression Testing



# Regression Testing





# Validation Process

Web Intelligence Rich Client - [Administrator - @BI43SP3FW:6400 Online]

SAP Welcome Administrator Pending Schedules

File Query Analyze Display

Pending Schedules By Fold... Pending Schedules By Subm... Pending Schedules By Date

APOS Insight Pending Schedules By Folder

For System: BI43SP3FW as of 2025-02-26 11:04:55

/Fred's Sample Webi Reports/

Scan Date	Schedule Name	Status	Next Run Time	Prompts	Universe/Data
2/26/2025 11:04:55 AM	Efashion Sales Revenue By Year and State	Pending	2/27/2025 9:09:42 AM		eFashion
2/26/2025 11:04:55 AM	Xtreme and Adv Works Orders	Pending	2/27/2025 9:09:42 AM	Enter value(s) for Country= Canada ; Germany	AdventureWork
2/26/2025 11:04:55 AM	Xtreme Customer List by Country	Pending	2/27/2025 9:09:43 AM		Xtreme
2/26/2025 11:04:55 AM	Xtreme Employee Listing	Pending	2/27/2025 9:09:43 AM		Xtreme
2/26/2025 11:04:55 AM	Xtreme Last Year's Sales by Country	Pending	2/27/2025 9:09:42 AM		Xtreme
2/26/2025 11:04:55 AM	Xtreme Order Information	Pending	2/27/2025 9:09:44 AM		Xtreme
2/26/2025 11:04:55 AM	Xtreme Orders by Country	Pending	2/27/2025 9:09:43 AM		Xtreme
2/26/2025 11:04:55 AM	Xtreme Orders by Product	Pending	2/27/2025 9:09:41 AM		Xtreme
2/26/2025 11:04:55 AM	Xtreme Orders by Product Class and Country	Pending	2/27/2025 9:09:43 AM		Xtreme
2/26/2025 11:04:55 AM	Xtreme Pending Orders By Employee	Pending	2/27/2025 9:09:42 AM		Xtreme

CMC Launch Pad SCWebApp REST url P4C\_WebApp Query Builder All Bookmarks

SAP Pending Schedules

File Query Analyze Display

Pending Schedules By Fold... Pending Schedules By Subm... Pending Schedules By Date

APOS Insight Pending Schedules By Folder

For System: BI2025 as of 2025-03-06 10:57:58

/APOS Reports/2 Schedules & Instances/

Scan Date	Schedule Name	Status	Next Run Time	Prompts	Universe/Data
3/6/2025 10:57:58 AM	Pending Schedules	Pending	#ERROR		Insight4 - SQL S

/Fred's Sample Webi Reports/

Scan Date	Schedule Name	Status	Next Run Time	Prompts	Universe/Data
3/6/2025 10:57:58 AM	Efashion Sales Revenue By Year and State	Pending	3/7/2025 9:09:42 AM		eFashion.unx
3/6/2025 10:57:58 AM	Xtreme and Adv Works Orders	Pending	3/6/2025 11:54:00 AM		AdventureWorks unx
3/6/2025 10:57:58 AM	Xtreme and Adv Works Orders	Pending	3/7/2025 9:09:42 AM	Enter value(s) for Country= Canada ; Germany	AdventureWorks unx
3/6/2025 10:57:58 AM	Xtreme Customer List by Country	Pending	3/7/2025 9:09:43 AM		Xtreme.unx
3/6/2025 10:57:58 AM	Xtreme Employee Listing	Pending	3/7/2025 9:09:43 AM		Xtreme.unx

# Validation Process

**APOS Validation Manager** APOS

File Edit Action View Help

Search **Insight Search**

Search By: Location - Exact  Add To List

Object Type: All Supported Types Clear List

Date Criteria: Created All Save Query

Load Query

Object Type	Name	Location	Owner	Created	Modified	Description
Webi	Efashion Sales Revenue By Y...	/Webi - save for Webi Migrato...	Administrator	2024/03/21 14:31:21	2024/03/21 14:31:23	
Webi	Xtreme and Adv Works Orders	/Webi - save for Webi Migrato...	Administrator	2024/03/21 14:31:21	2024/03/21 14:31:23	
Webi	Xtreme Customer List by Country	/Webi - save for Webi Migrato...	Administrator	2024/03/21 14:31:21	2024/03/21 14:31:23	
Webi	Xtreme Employee Listing	/Webi - save for Webi Migrato...	Administrator	2024/03/21 14:31:21	2024/03/21 14:31:23	
Webi	Xtreme Last Year's Sales by C...	/Webi - save for Webi Migrato...	Administrator	2024/03/21 14:31:21	2024/03/21 14:31:23	
Webi	Xtreme Order Information	/Webi - save for Webi Migrato...	Administrator	2024/03/21 14:31:21	2024/03/21 14:31:22	
Webi	Xtreme Orders by Country	/Webi - save for Webi Migrato...	Administrator	2024/03/21 14:31:21	2024/03/21 14:31:22	
Webi	Xtreme Orders by Product	/Webi - save for Webi Migrato...	Administrator	2024/03/21 14:31:21	2024/03/21 14:31:23	
Webi	Xtreme Orders by Product Cla...	/Webi - save for Webi Migrato...	Administrator	2024/03/21 14:31:21	2024/03/21 14:31:22	
Webi	Xtreme Pending Orders By Em...	/Webi - save for Webi Migrato...	Administrator	2024/03/21 14:31:21	2024/03/21 14:31:23	
Webi	Xtreme Pending Orders By Pro...	/Webi - save for Webi Migrato...	Administrator	2024/03/21 14:31:21	2024/03/21 14:31:22	
Webi	Xtreme Pending Orders By Su...	/Webi - save for Webi Migrato...	Administrator	2024/03/21 14:31:21	2024/03/21 14:31:23	
Webi		/Webi - save for Webi Migrato...	Administrator	2024/03/21 14:31:21	2024/03/21 14:31:23	

Logged in Records: 13 Scan Time: 00:00:02 3/5/2025 9:50:33 AM

**Add to Project**

**APOS Validation Manager** APOS

File Edit Action View Help

Search **Insight Search** **Project - 2025-3-5-SalesReports.avp**

BI Connection Information

Source: BI43SP3FW.Administrator Change Target: Not Logged In Set

Filters

Show Successful  Show Successful With Warnings  Show Failed Check All Uncheck All

Show Not Attempted

Project Objects

	Last Validated	Result	Object Type	Source Name	Source Path	Source CUID	Source Param
1		?	Webi	Xtreme Product Class Listin...	/Webi - save for Webi Migrator/...	AavcJcvV77ZBI...	
2		?	Webi	Xtreme Pending Orders By ...	/Webi - save for Webi Migrator/...	AWQizEicARJAt...	
3		?	Webi	Xtreme Pending Orders By ...	/Webi - save for Webi Migrator/...	AYEesGq6JFih...	
4		?	Webi	Xtreme Pending Orders By ...	/Webi - save for Webi Migrator/...	ASWtA2t_8WV...	
5		?	Webi	Xtreme Orders by Product Cl...	/Webi - save for Webi Migrator/...	AXvbP4Ib89Gs...	
6		?	Webi	Xtreme Orders by Product	/Webi - save for Webi Migrator/...	ATzevUTXKW...	
7		?	Webi	Xtreme Orders by Country	/Webi - save for Webi Migrator/...	AYmxxAebqv1G...	
8		?	Webi	Xtreme Order Information	/Webi - save for Webi Migrator/...	ARjwCd9bGnZL...	
9		?	Webi	Xtreme Last Year's Sales by...	/Webi - save for Webi Migrator/...	AT0KJyFFSwN...	
10		?	Webi	Xtreme Employee Listing	/Webi - save for Webi Migrator/...	Ad3YU5xJ5BPtt...	
11		?	Webi	Xtreme Customer List by Co...	/Webi - save for Webi Migrator/...	AdQo9ECL.tFE...	
12		?	Webi	Xtreme and Adv Works Ord...	/Webi - save for Webi Migrator/...	Acw2uTyznRZK...	Enter value(s)
13		?	Webi	Efashion Sales Revenue By...	/Webi - save for Webi Migrator/...	AUutBu7iF_VG...	



# Validation Process

**APOS Validation Manager**

File Edit Action View Help

Search Insight Search Project - 2025-3-5-SalesReports.avp

BI Connection Information

Source: BI43SP3FW.Administrator Change Target:

Filters

- Show Successful
- Show Not Attempted
- Show Successful With Warnings
- Show Failed

Project Objects

	Last Validated	Result	Object Type	Source Name
1		?	Webi	Xtreme Product Class Listin...
2		?	Webi	Xtreme Pending Orders By ...
3		?	Webi	Xtreme Pending Orders By ...
4		?	Webi	Xtreme Pending Orders By ...
5		?	Webi	Xtreme Orders by Product Cl...
6		?	Webi	Xtreme Orders by Product
7		?	Webi	Xtreme Orders by Country
8		?	Webi	Xtreme Order Information
9		?	Webi	Xtreme Last Year's Sales by...
10		?	Webi	Xtreme Employee Listing
11		?	Webi	Xtreme Customer List by Co...
12		?	Webi	Xtreme and Adv Works Ord...
13		?	Webi	Efashion Sales Revenue By...

Legend

Context Menu:

- Re-synchronize with BI
- Locate Target Automatically
- Locate Target Manually
- Clear Target
- Add Schedules
- Add Existing Instance
- Add Regression
- Specify Schedule
- Clear Schedules
- Export to InfoSci
- Specify Validation
- Schedule and Validation
- Delayed Schedule
- View Instances
- Remove From Project
- Password Protection
- Export Project to

Import Existing Schedule From Source Into Project

Automatic Instance Selection

- Select the 1 most recent instances for each object
- Select instances completed within the last 1 days.
- Select instances completed after January 01, 1753
- Select instances completed before January 01, 1753

In order to be selected, an instance must satisfy each of the selection criteria selected above.

Select Instances

	Time	Title	Status	Parameters
1	2025/03/06 11:55:06	Efashion Sales Revenue By Year and State	Successful	
2	2025/03/05 10:02:42	Xtreme and Adv Works Orders	Successful	Canada
3	2025/03/05 10:08:02	Xtreme and Adv Works Orders	Successful	Canada
4	2025/03/06 11:55:01	Xtreme and Adv Works Orders	Successful	Canada.Germany
5	2025/03/06 11:55:25	Xtreme Customer List by Country	Successful	
6	2025/03/06 11:55:30	Xtreme Employee Listing	Successful	
7	2025/03/06 11:54:58	Xtreme Last Year's Sales by Country	Successful	
8	2025/03/06 11:55:12	Xtreme Order Information	Successful	
9	2025/03/06 11:55:30	Xtreme Orders by Country	Successful	
10	2025/03/06 11:54:57	Xtreme Orders by Product	Successful	
11	2025/03/06 11:55:30	Xtreme Orders by Product Class and Country	Successful	
12	2025/03/06 11:55:06	Xtreme Pending Orders By Employee	Successful	
13	2025/03/06 11:55:25	Xtreme Pending Orders By Product Class	Successful	
14	2025/03/06 11:55:01	Xtreme Pending Orders By Supplier	Successful	
15	2025/03/06 11:55:30	Xtreme Product Class Listing by Supplier	Successful	

15 of 15 instances selected

Select Cancel

# Validation Process

**Validation Instances**

Filter Results

By Start Time: 2025/03/06 12:08:57  Only Display Delayed Instances  By Validation Status:

Validation Instances	Status	Start Time	Source	Target
1	✓✓✓	2025/03/06 12:08:57	/Webi - save for Webi Migrator/Efash...	/Fred's Sample Webi Reports/Efashio...
2	✓✓✓	2025/03/06 12:08:57	/Webi - save for Webi Migrator/Xtrem...	/Fred's Sample Webi Reports/Xtreme ...
3	✓✓✓⚠	2025/03/06 12:08:57	/Webi - save for Webi Migrator/Xtrem...	/Fred's Sample Webi Reports/Xtreme ...
4	✓✓✓	2025/03/06 12:08:57	/Webi - save for Webi Migrator/Xtrem...	/Fred's Sample Webi Reports/Xtreme ...
5	✓✓✓	2025/03/06 12:08:57	/Webi - save for Webi Migrator/Xtrem...	/Fred's Sample Webi Reports/Xtreme ...
6	✓✓✓	2025/03/06 12:08:57	/Webi - save for Webi Migrator/Xtrem...	/Fred's Sample Webi Reports/Xtreme ...
7	✓✓✓	2025/03/06 12:08:57	/Webi - save for Webi Migrator/Xtrem...	/Fred's Sample Webi Reports/Xtreme ...
8	✓✓✓	2025/03/06 12:08:57	/Webi - save for Webi Migrator/Xtrem...	/Fred's Sample Webi Reports/Xtreme ...
9	✓✓✓	2025/03/06 12:08:57	/Webi - save for Webi Migrator/Xtrem...	/Fred's Sample Webi Reports/Xtreme ...
10	✓✓✓	2025/03/06 12:08:57	/Webi - save for Webi Migrator/Xtrem...	/Fred's Sample Webi Reports/Xtreme ...
11	✓✓✓	2025/03/06 12:08:57	/Webi - save for Webi Migrator/Xtrem...	/Fred's Sample Webi Reports/Xtreme ...
12	✓✓✓	2025/03/06 12:08:57	/Webi - save for Webi Migrator/Xtrem...	/Fred's Sample Webi Reports/Xtreme ...
13	✓✓✓	2025/03/06 12:08:57	/Webi - save for Webi Migrator/Xtrem...	/Fred's Sample Webi Reports/Xtreme ...
14	✓✓✓	2025/03/06 12:08:57	/Webi - save for Webi Migrator/Xtrem...	/Fred's Sample Webi Reports/Xtreme ...
15	✓✓✓	2025/03/06 12:08:57	/Webi - save for Webi Migrator/Xtrem...	/Fred's Sample Webi Reports/Xtreme ...

Legend  
Pending Paused Running Successful Failed Not Found Regression Delayed

Validation Progress 15 of 15 validations completed (14 Successful; 1 Successful with Warning; 0 Failed);

**View Instance Details**

Selected Instances

/Xtreme and Adv Works Orders

**Scheduling Details**

Source

ID: 1691970 CUID: Aeq85d2fzTVlp942z\_\_1L14 Status: **Successful**

Instance Created: Thursday, March 6, 2025 at 12:08:57 Runtime: 28s.

Path: /Webi - save for Webi Migrator/Xtreme and Adv Works Orders/Xtreme and Adv

Error Message:

Target

ID: 1691971 CUID: AeJbNj7x1f9Jj.qRo.P8HZ0 Status: **Successful**

Instance Created: Thursday, March 6, 2025 at 12:08:57 Runtime: 4s.

Path: /Fred's Sample Webi Reports/Xtreme and Adv Works Orders/Xtreme and Adv Works

Error Message:

**Validation Details**

Last Validated: Thursday, March 6, 2025 at 12:11:02 Status: **Warning**

Validation Log: **Validation Succeeded with warnings:**

**Warning: Runtime tolerance exceeded (Target system is faster):**  
Tolerance: 5 seconds  
Actual: 24 seconds

Numeric Validation Applied: Rounded values to 2 decimal places.

Close







# Additional Automation of Migration Steps

## What does this mean?

- Vast amounts of settings, preferences, etc.
- Challenging to migrate all settings
- Rebuilding is tedious and time-consuming
- Utilize tools and technologies to automate these steps

## Why is this beneficial?

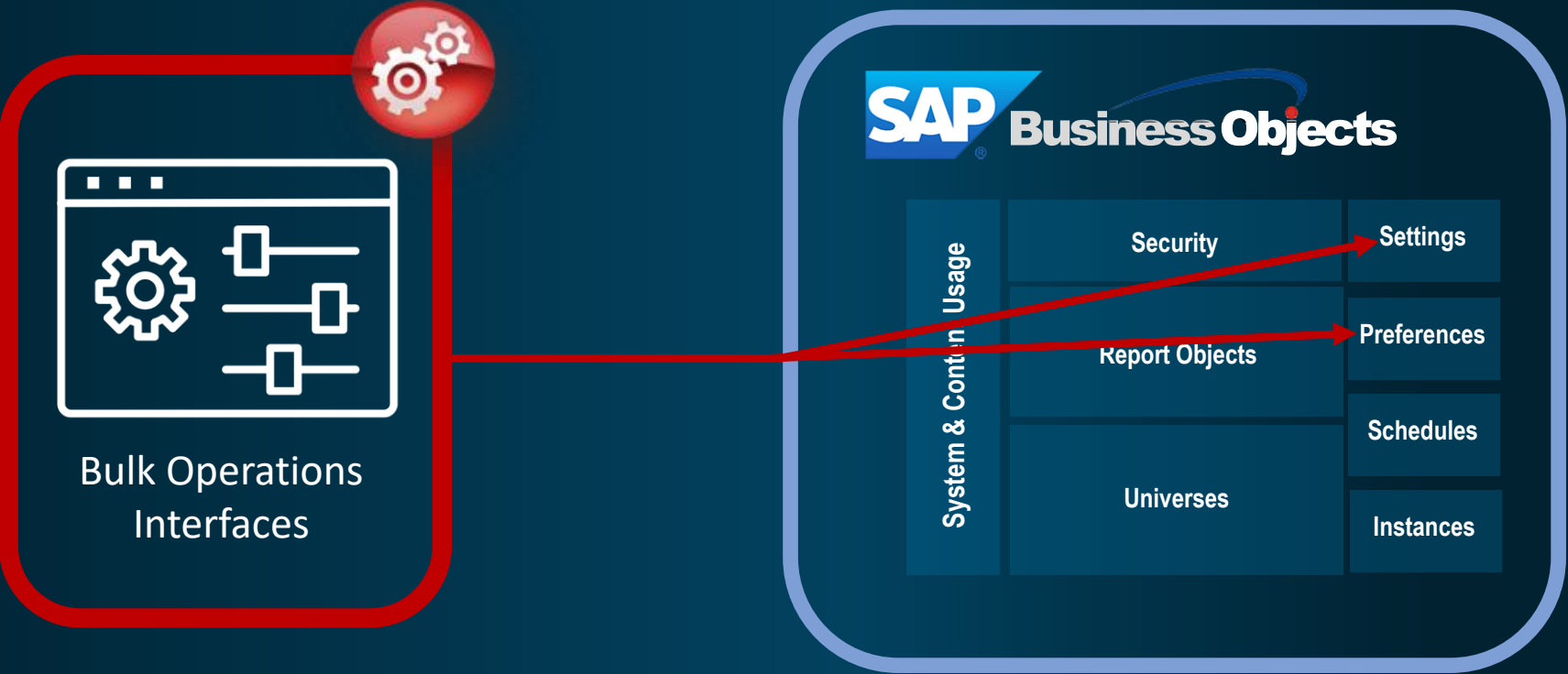
- Critical time savings
- Ensure accuracy and consistency
- System stability and reduced maintenance downstream
- Speed and streamline migration process, timelines

## How do you accomplish this with APOS automation?

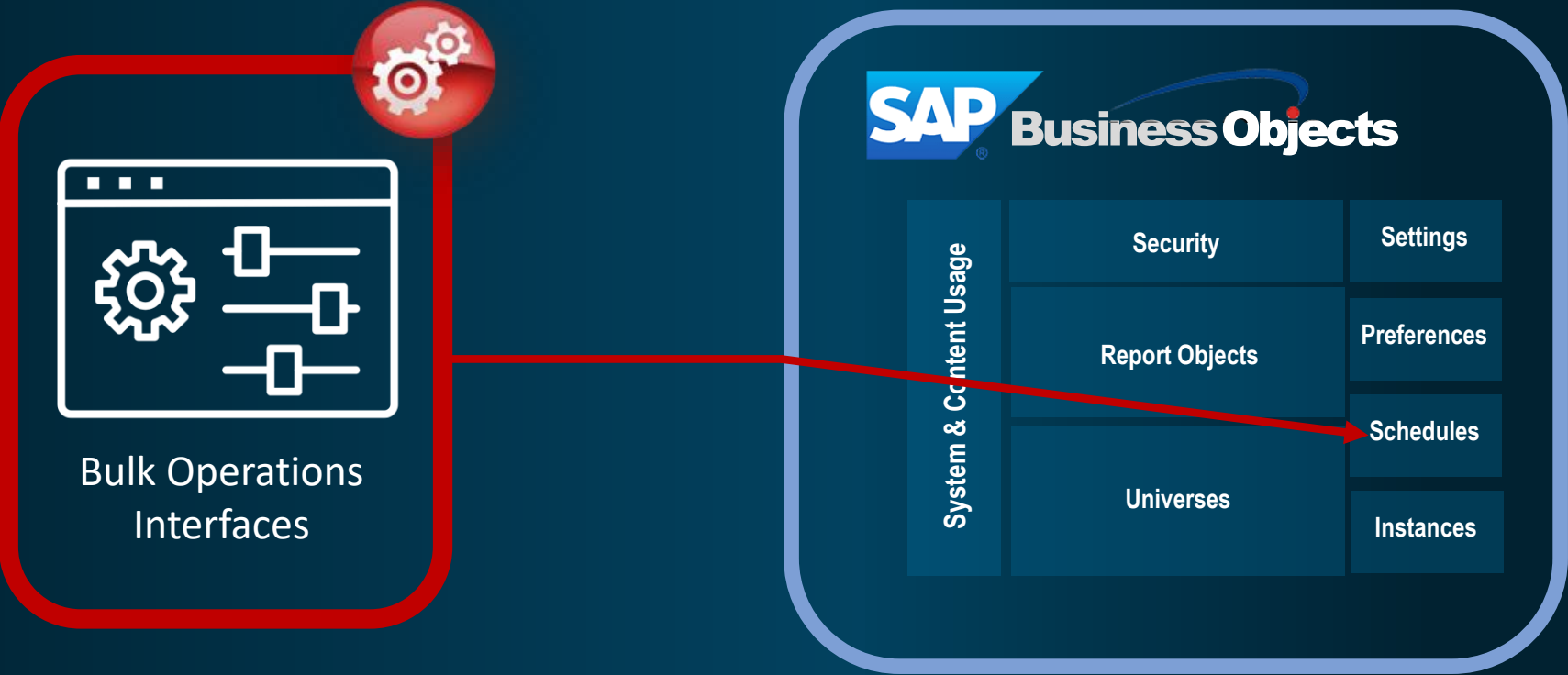


APOS Administrator

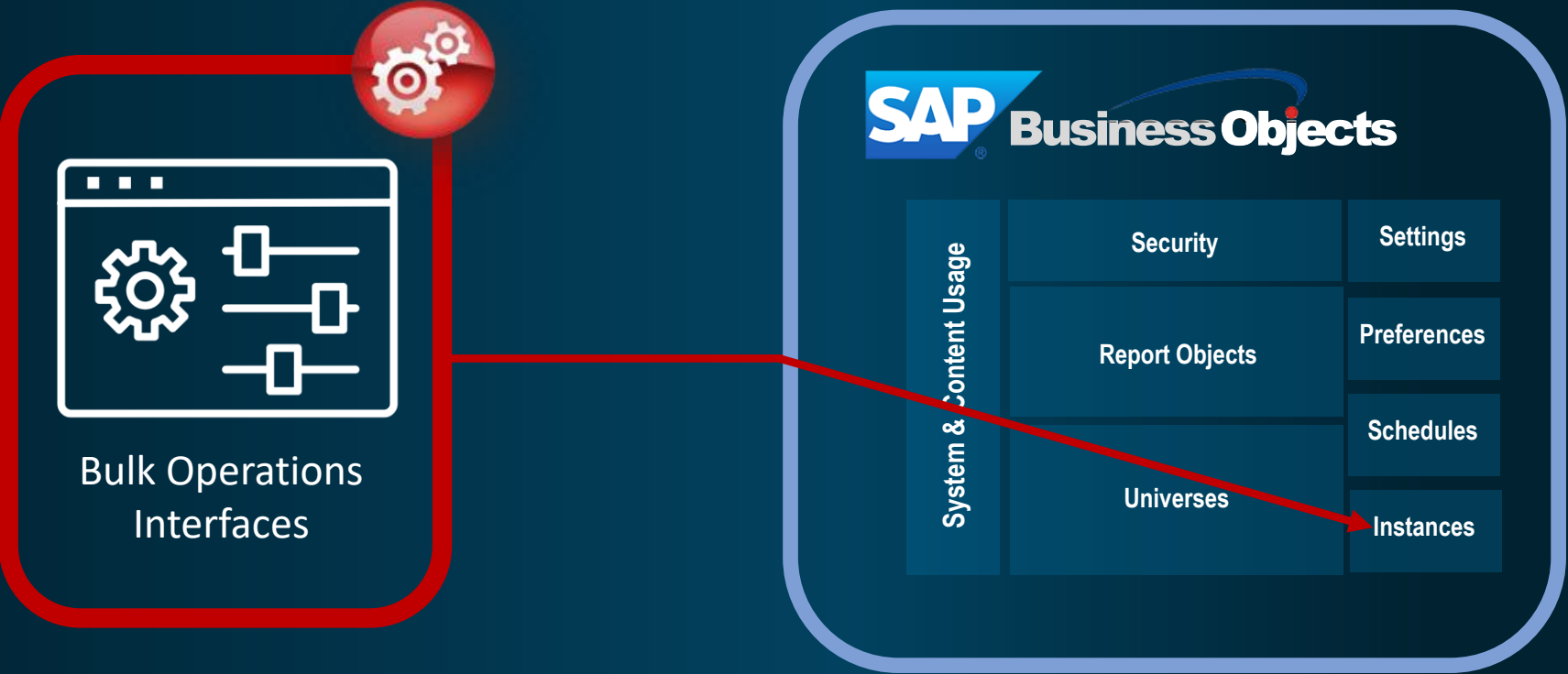
# High Volume System Management



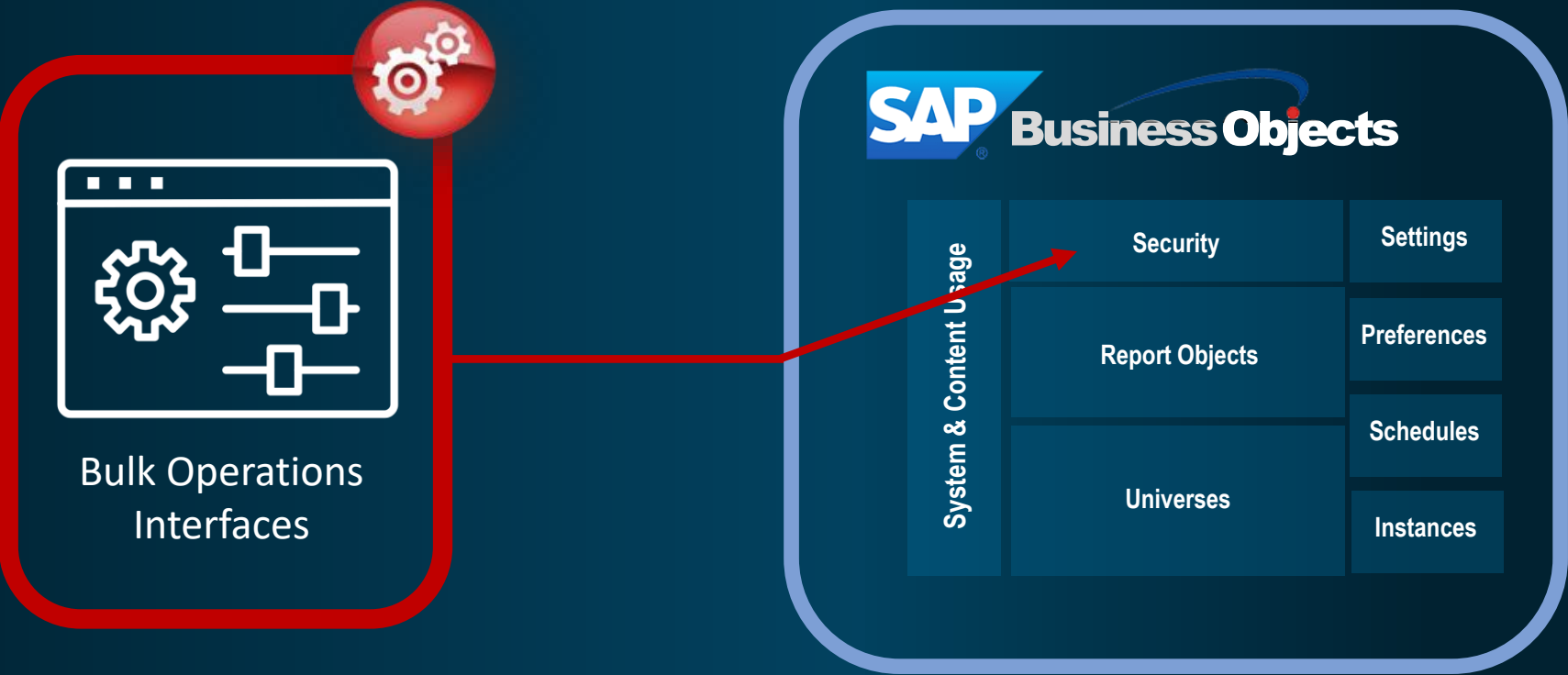
# High Volume System Management



# High Volume System Management

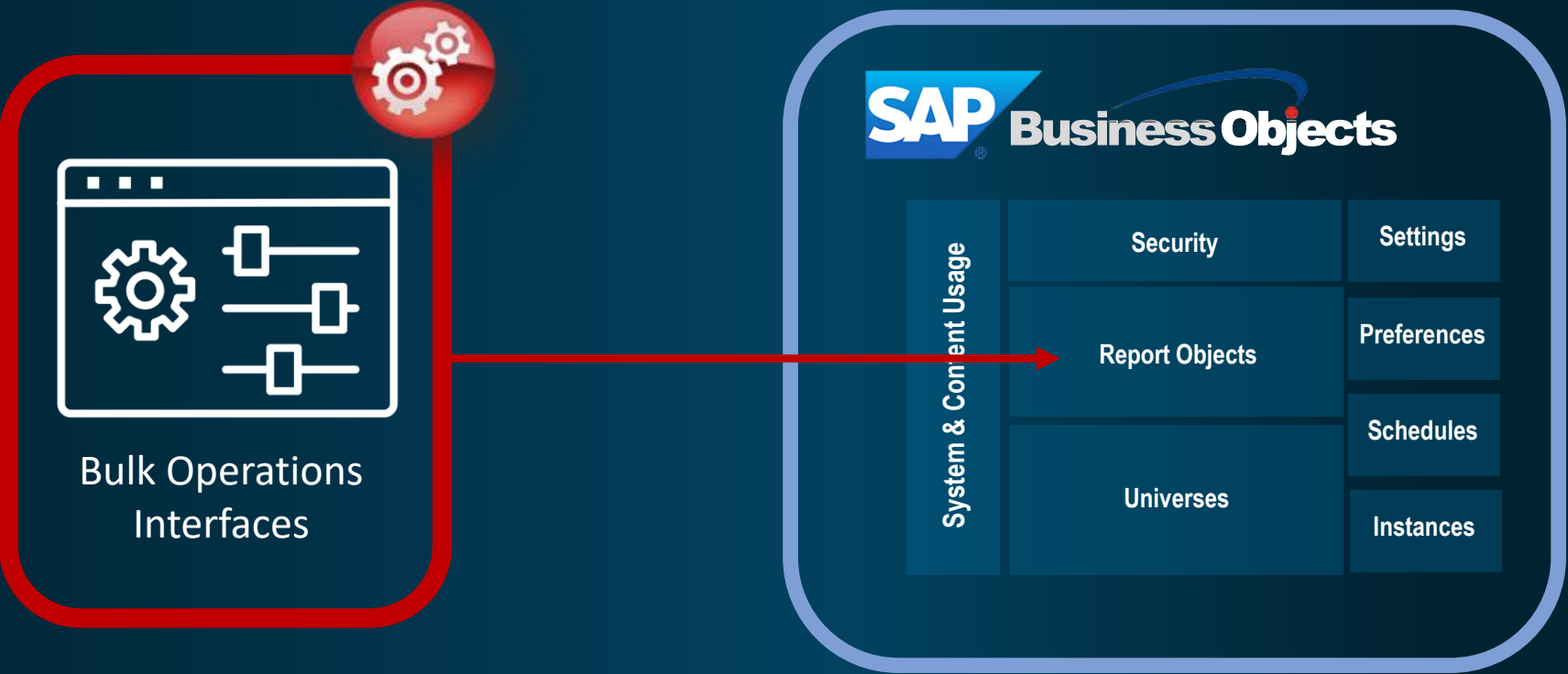


# High Volume System Management

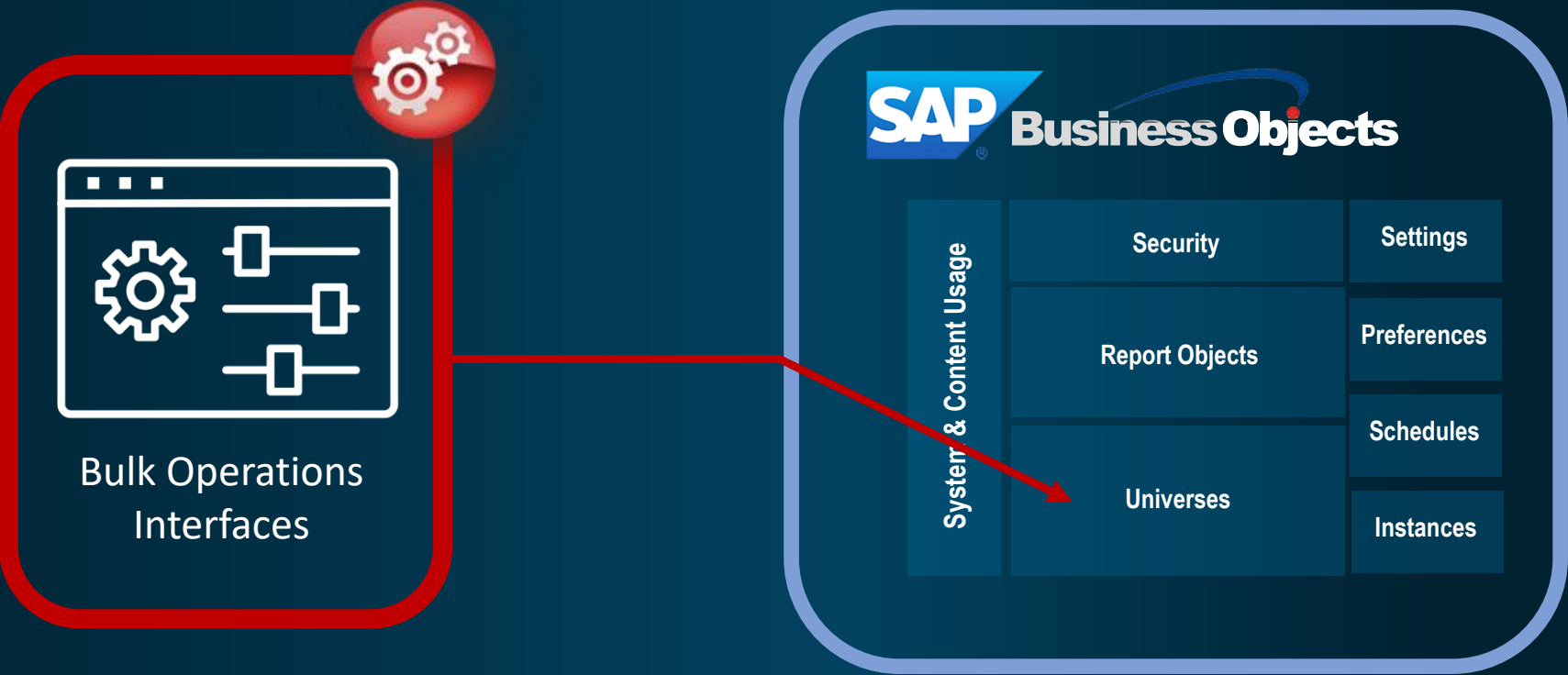




# High Volume System Management



# High Volume System Management



# Administrator – Object Management

The screenshot displays the BusinessObjects Enterprise Administrator interface with three overlapping windows:

- Security Maintenance:** A table showing permissions for various report folders across different geographical regions. A context menu is open over the 'Inherit' permission for the 'G - Sales - Asia' region.
- BusinessObjects Enterprise Database Logon (RPT):** A configuration window for database logon options. It includes fields for Database Driver (crdb\_odbc), Server (Insight4-SQL), Database (Insight), User Name (sa), and Password. It also has checkboxes for 'Update Logon Information', 'Update User Name and Password', and 'Use Custom Data Source'.
- Object Manager 4.0 for BusinessObjects Enterprise v. 14.0.0.169:** A window showing a list of objects. A context menu is open over the 'UNX Universe' object type, with 'Universe Management' selected. This opens a sub-menu with options like 'Data Connection Maintenance', 'Universe Location Management', and 'Universe Connection Maintenance'.

# Administrator – Schedule Management

The screenshot displays the Microsoft Excel interface with the 'APOS InfoScheduler' ribbon active. The ribbon includes tabs for 'File', 'Home', 'APOS InfoScheduler', 'Insert', 'Page Layout', 'Formulas', 'Data', 'Review', 'View', 'Automate', 'Help', and 'SAP Analytics Cloud'. The 'APOS InfoScheduler' tab contains several groups of buttons: 'Login and Logout' (Logout), 'Scheduling and Tracking' (Schedule, Schedule with Tracking, Track, Set Distribution Server Inbox, Manage Cached LoVs), 'Utilities' (REST Settings, Object Search, Insight Search, Setup Insight Database, Check New Parameters), 'Export and Import' (Export XML, Import XML), and 'Protection' (Localization, Manage Pro...).

The spreadsheet below the ribbon shows a table with the following columns: A (ErrorMessage), B (Include), C (ID), D (Report Source Name), E (EndDate & Time), F (Destination), G (Format), and H (Network Path/Email To:/FTP). The data rows show various report sources and their destinations, all pointing to '\\Server1\Output\Sales'.

A 'Find and Replace' dialog box is open in the foreground, showing the 'Find' tab. The 'Find what' field contains '\\Server1\Output\Sales' and the 'Replace with' field contains '\\Server2\ReportOutput\Sales\_Reports'. The 'Find Next' button is highlighted with a blue border.

ErrorMessage	Include	ID	Report Source Name	EndDate & Time	Destination	Format	Network Path/Email To:/FTP
			/Webi - save for Webi Migrator/Efashion Sales	3/21/2024 14:31	Disk		\\Server1\Output\Sales
			/Webi - save for Webi Migrator/Efashion Sales	3/21/2024 14:31	Disk		\\Server1\Output\Sales
	1	1	/Webi - save for Webi Migrator/Xtreme and Ad	3/21/2024 14:31	Disk		\\Server1\Output\Sales
	1	1	/Webi - save for Webi Migrator/Xtreme Custom	3/21/2024 14:31	Disk		\\Server1\Output\Sales
	1	1	/Webi - save for Webi Migrator/Xtreme Employ	3/21/2024 14:31	Disk		\\Server1\Output\Sales
	1	1	/Webi - save for Webi Migrator/Xtreme Last Ye	3/21/2024 14:31	Disk		\\Server1\Output\Sales
	1	1	/Webi - save for Webi Migrator/Xtreme Order I	3/21/2024 14:31	Disk		\\Server1\Output\Sales
	1	1	/Webi - save for Webi Migrator/Xtreme Orders	3/21/2024 14:31	Disk		\\Server1\Output\Sales
	1	1	/Webi - save for Webi Migrator/Xtreme Orders	3/21/2024 14:31	Disk		\\Server1\Output\Sales
	1	1	/Webi - save for Webi Migrator/Xtreme Orders	3/21/2024 14:31	Disk		\\Server1\Output\Sales
	1	1	/Webi - save for Webi Migrator/Xtreme Pending	3/21/2024 14:31	Disk		\\Server1\Output\Sales
	1	1	/Webi - save for Webi Migrator/Xtreme Pending	3/21/2024 14:31	Disk		\\Server1\Output\Sales
	1	1	/Webi - save for Webi Migrator/Xtreme Pending	3/21/2024 14:31	Disk		\\Server1\Output\Sales
	1	1	/Webi - save for Webi Migrator/Xtreme Pending	3/21/2024 14:31	Disk		\\Server1\Output\Sales
	1	1	/Webi - save for Webi Migrator/Xtreme Produc	3/21/2024 14:31	Disk		\\Server1\Output\Sales

# 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

## 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 Web Intelligence Migrator



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



# STREAMLINE YOUR MOVE TO UNIX UNIVERSE

## APOS Web Intelligence Migrator



### INVENTORY SYSTEM CONTENT

Detailed view of universes and reports for effective project planning



### BULK CONVERSION OF UNIVERSES

High-volume conversion of universes from UNV to UNX format



### HIGH VOLUME REPOINTING OF REPORTS

Scan and repoint Web Intelligence reports in bulk from old UNV to new UNX



### VALIDATE UPGRADE SUCCESS

Automated testing of reports to validate successful and accurate migration



### STRONG PROCESS CONTROLS

Enterprise-grade controls to synchronize and scale your migration processes



 **APOS**

# APOS Solutions for SAP Analytics Cloud



## APOS Publisher for Cloud

- Automated broadcasting and distribution of personalized SAC reports to target user groups
- Distribute reports to the right people, right time, right location, right format
- Analysis for Office broadcasting and scheduling



## APOS Data Gateway

- Live connectivity from SAC to wide range of data sources
- Import data from wide range of sources into SAC
- Extract and Export data from SAC

# STAY CONNECTED



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APOS Systems Inc.

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SAP Analytics Cloud and sharing your experience?

**JOIN THE SAP ANALYTICS CLOUD GROUP TODAY!**



Search for “SAP Analytics Cloud (SAC)”  
on LinkedIn and request to join



# QUESTIONS?

Please enter your questions in the Q&A panel.





# Thank you!

## Get in touch

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