Webinar

Impact Analysis for SAP BusinessObjects Flashes of Insight

APOS

Today's Session

Key Topics

TOPIC

- Database Schema Changes
- Semantic Layer Modifications
- Schedules and Instances

- Q&A – see webinar console

APOS

Today's Presenters

Peter Warren

Account Manager
APOS

Fred Walther

Senior Solution Consultant
APOS

Who is APOS?

- Formed in 1992
- Enabling BI 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

SAP Partner

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

Tell us how we did in the survey

Important Announcement!

SAP has made important announcements about SAP BusinessObjects, including new version plans, and significantly expanding support timelines for on-premise deployments of SAP BusinessObjects*!!*

More details coming soon on an upcoming webinar on June 29th ...

APOS Insight – Deep System Knowledge

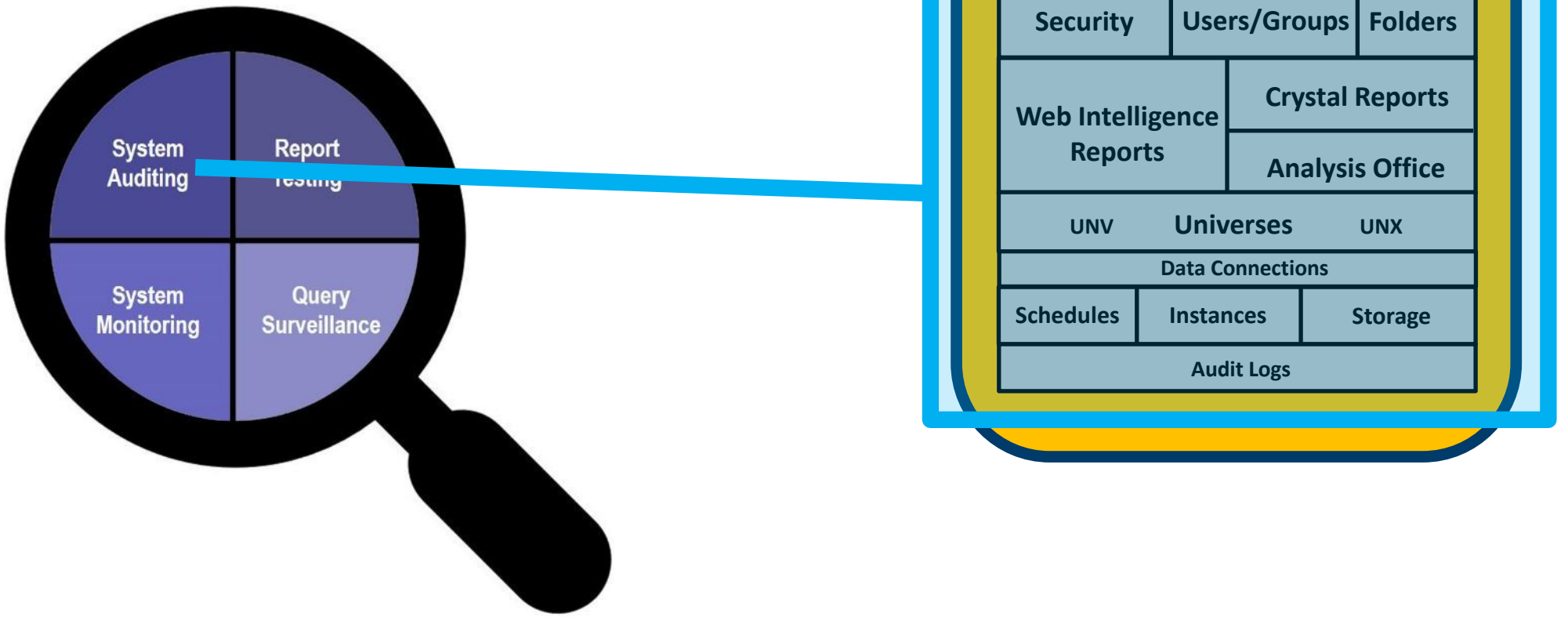
APOS Insight – Deep System Knowledge

APOS Insight

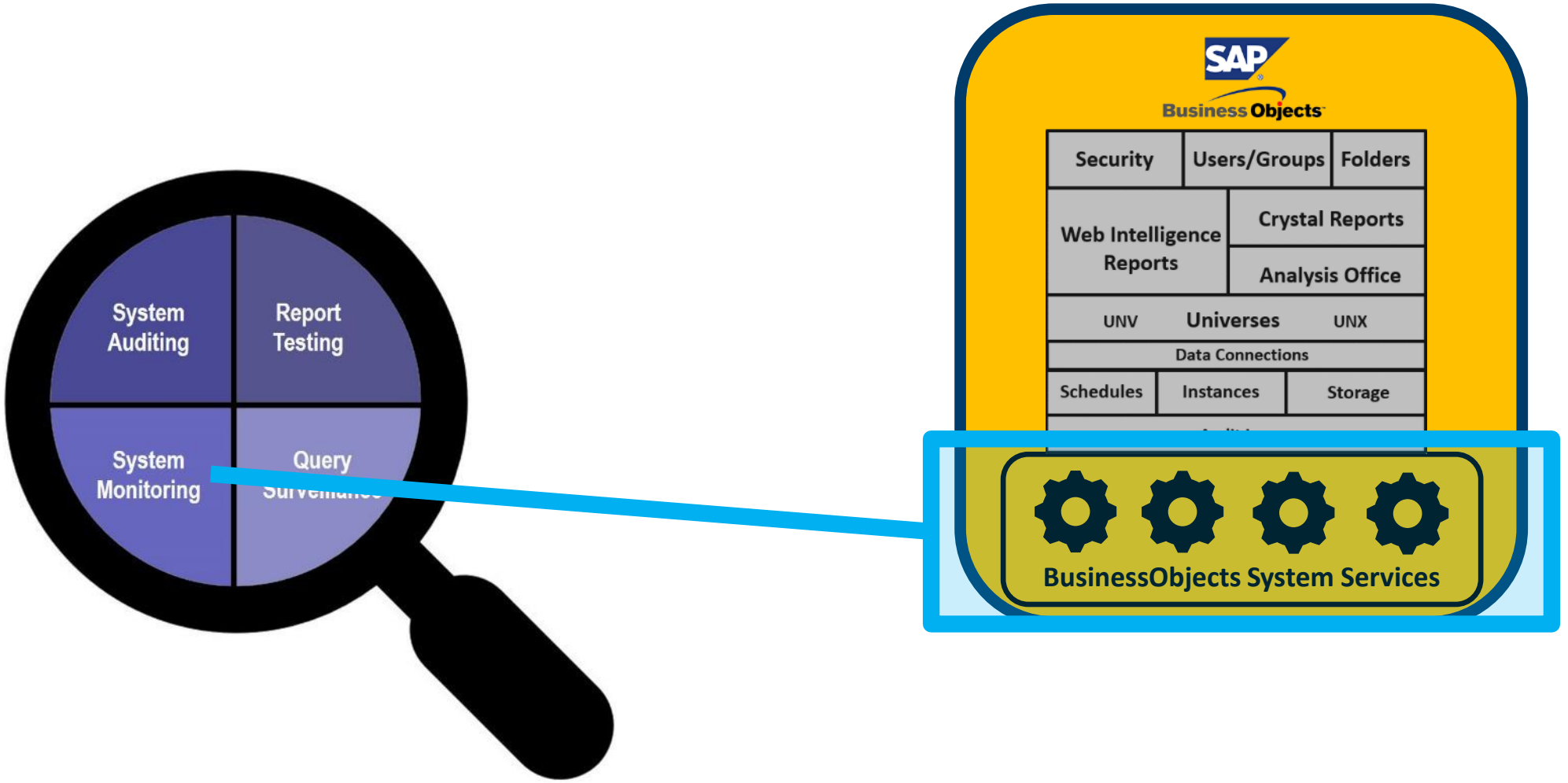
SAP Business Objects

Security	Users/Groups	Folders
Web Intelligence Reports	Crystal Reports	
	Analysis Office	
UNV	Universes	UNX
Data Connections		
Schedules	Instances	Storage
Audit Logs		

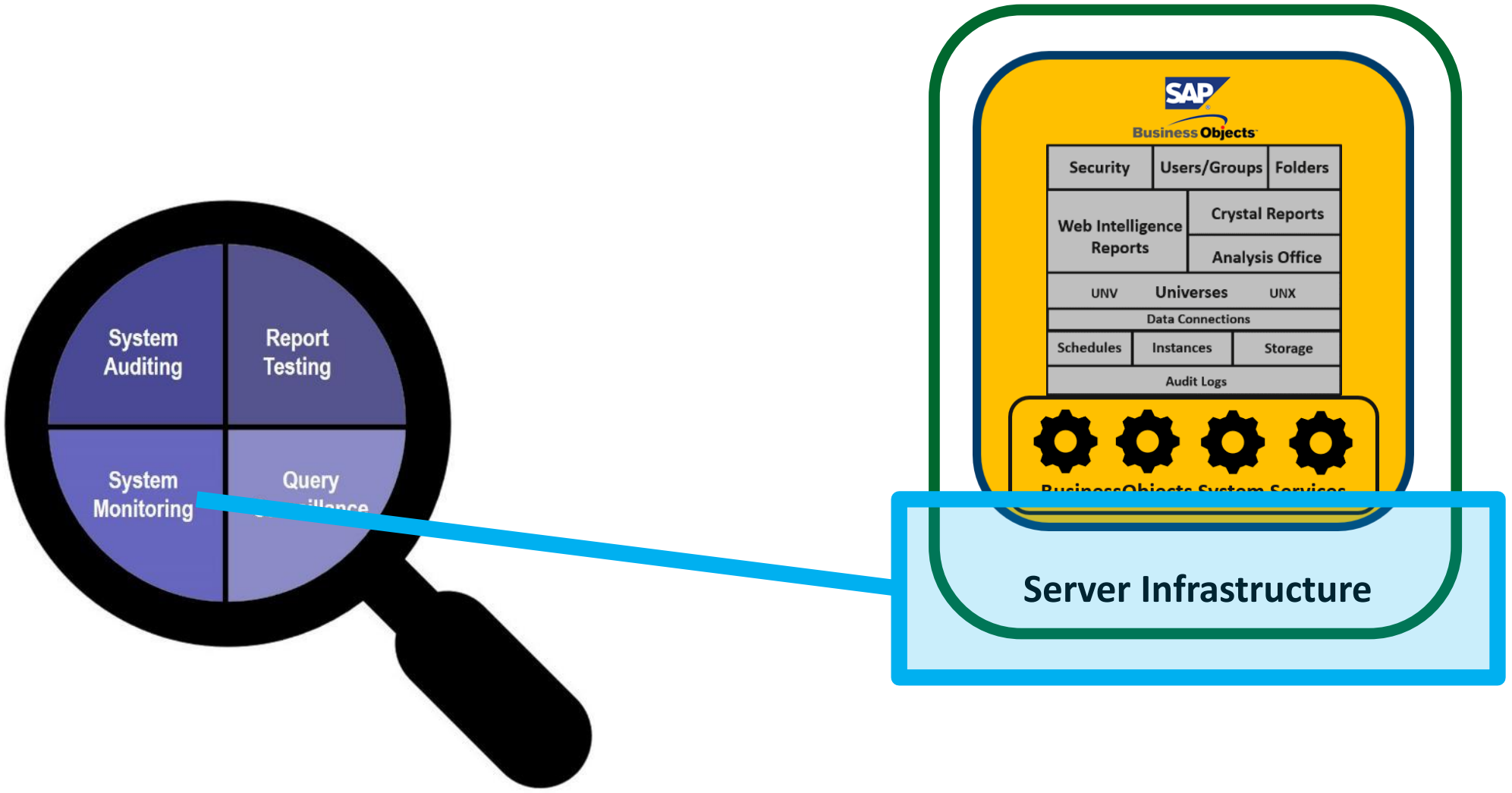
APOS Insight



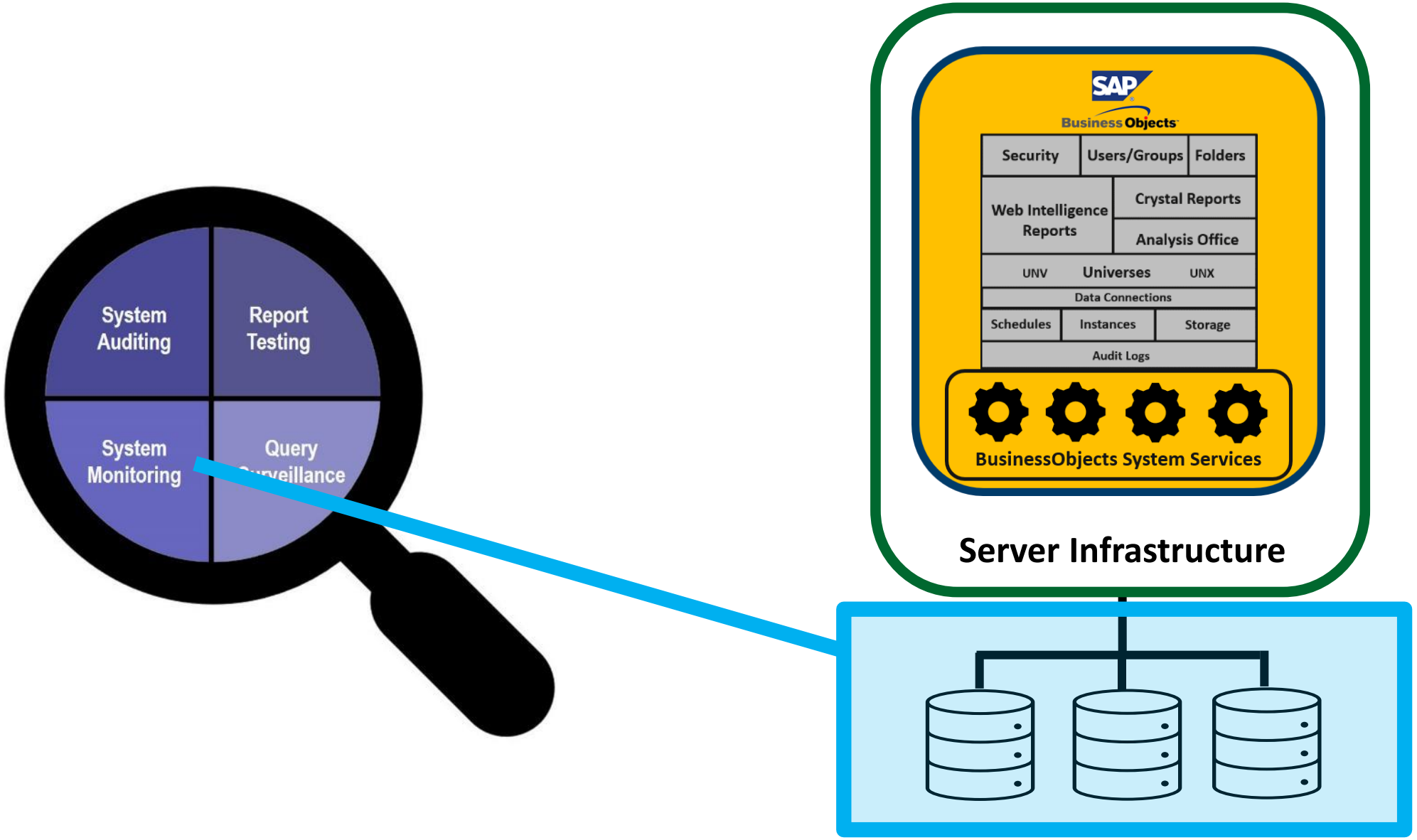
APOS Insight



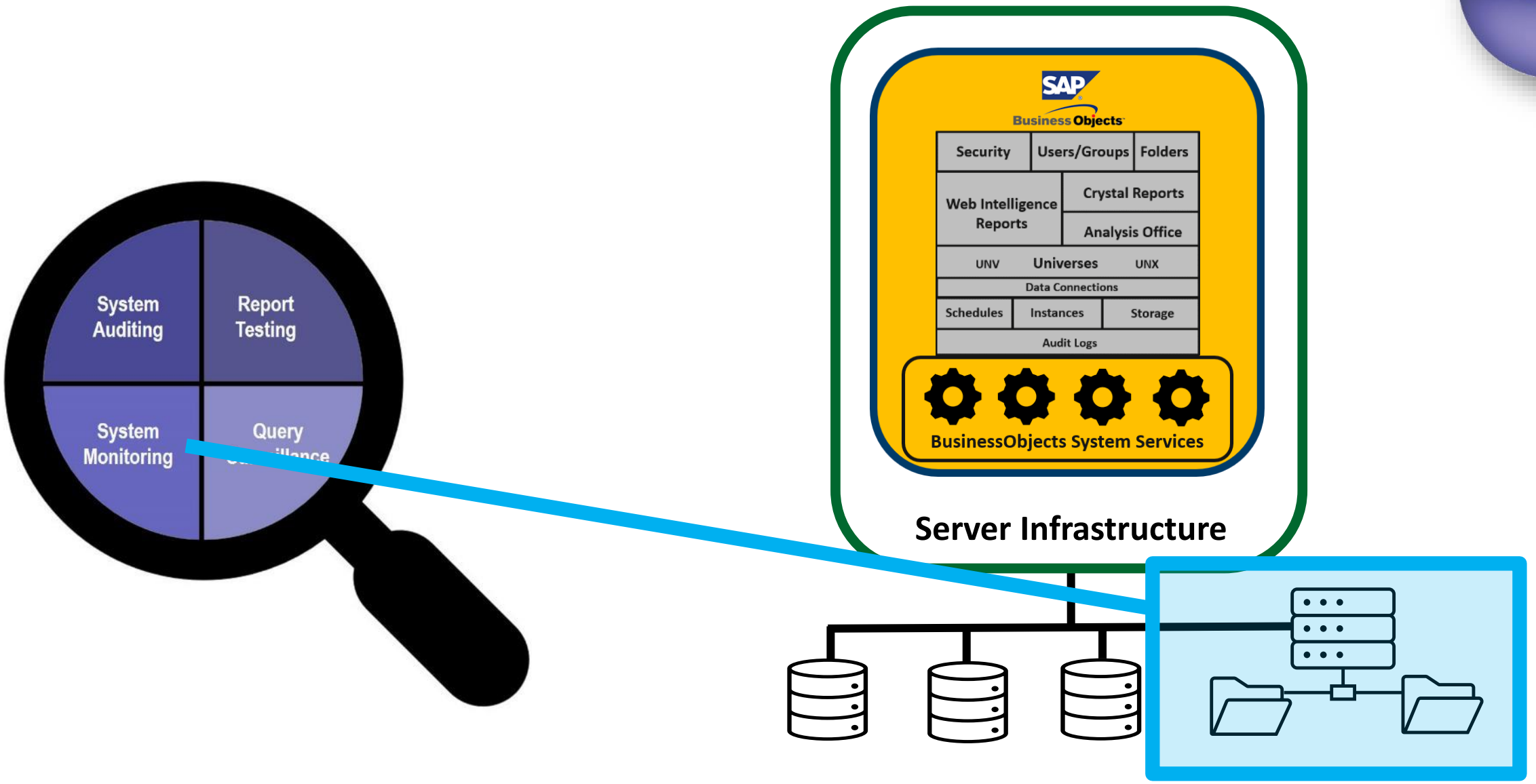
APOS Insight



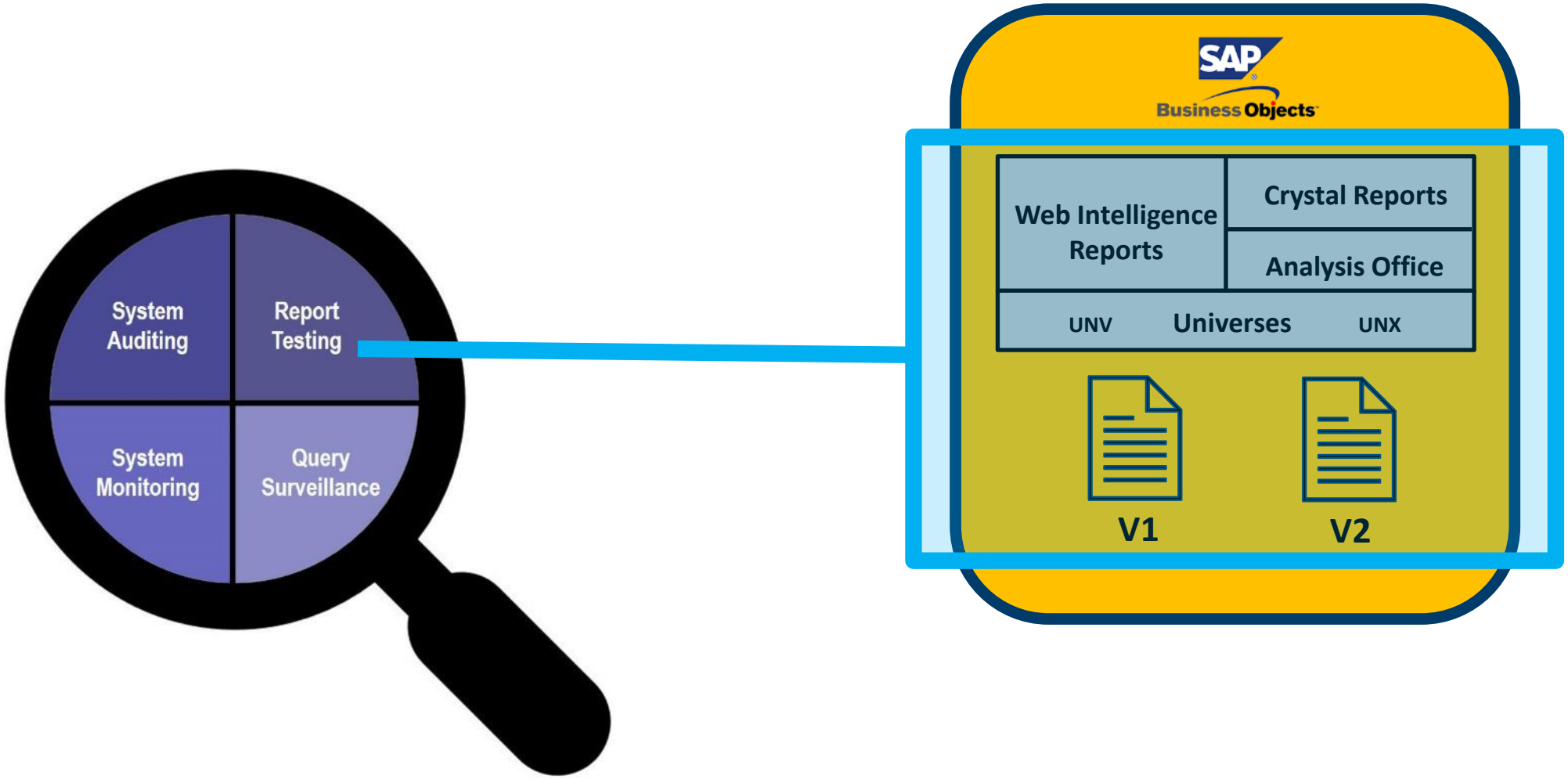
APOS Insight



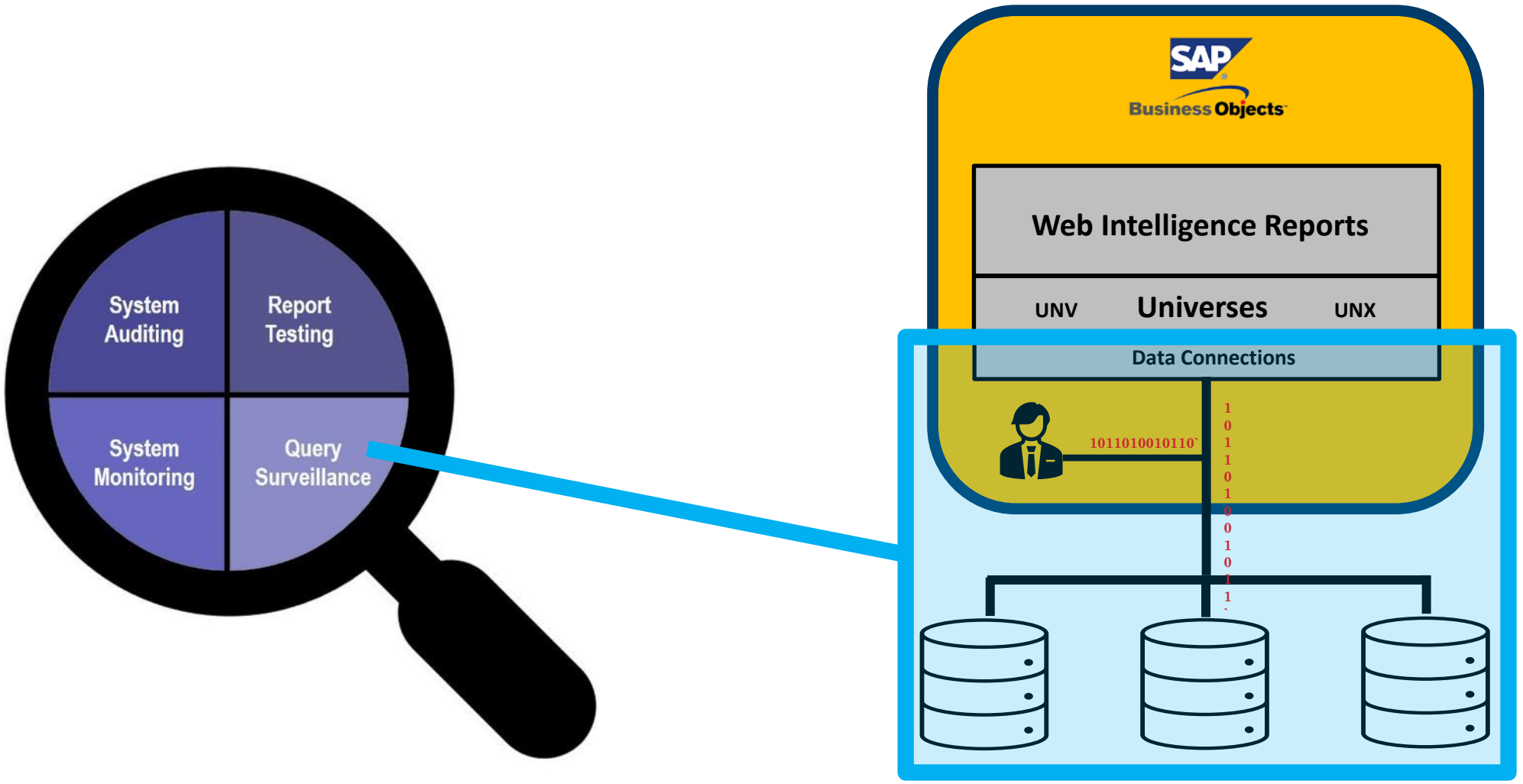
APOS Insight



APOS Insight



APOS Insight



Flashes of Insight – Report Impact Analysis

Flashes of Insight - Series

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

Session 6 – Report Impact Analysis (Today)

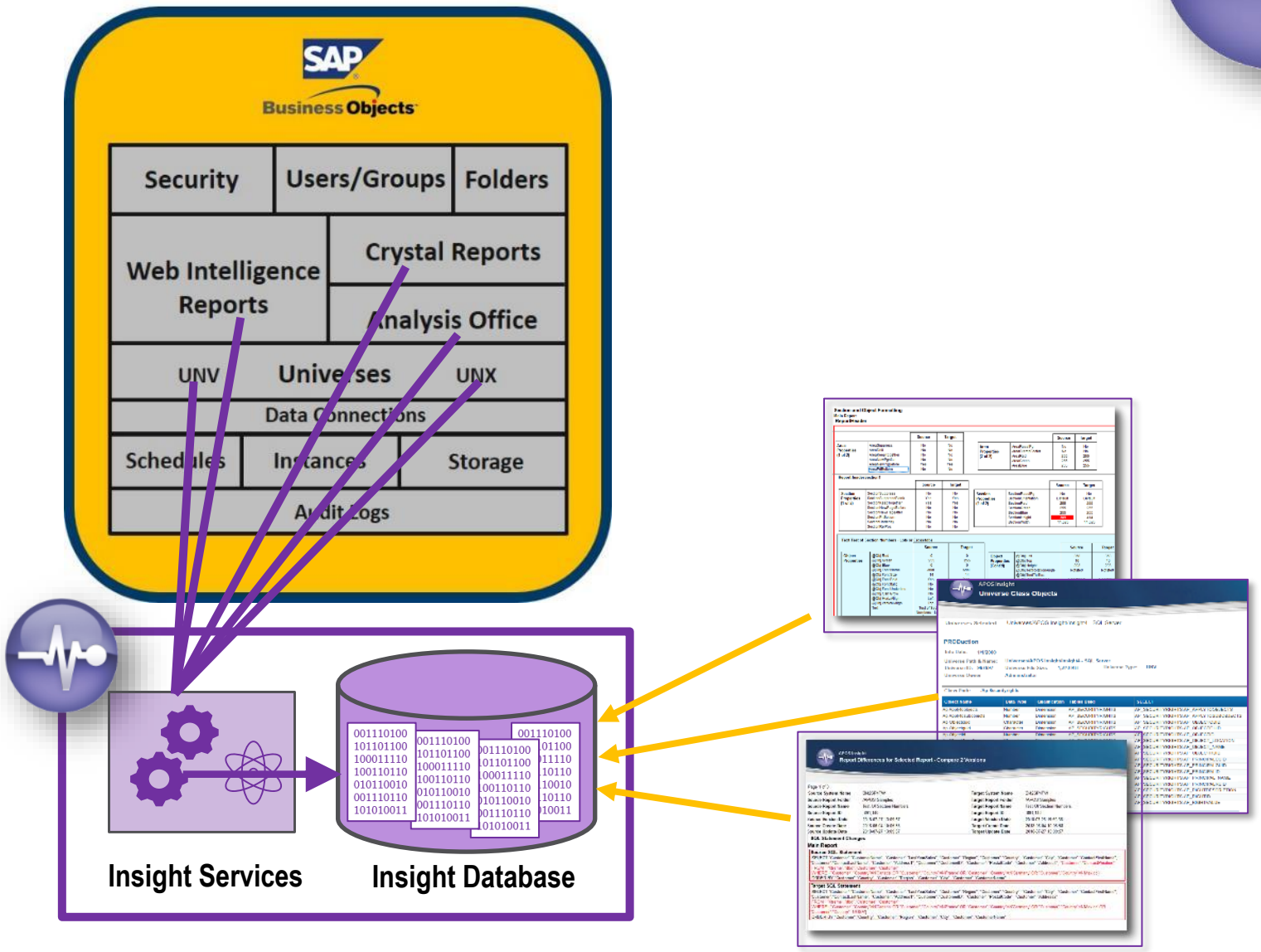
EXTEND

SAP ANALYTICS

Fred Walther
Senior Solution Consultant
APOS

APOS Insight – Impact Analysis

- Insight Services run deep scans of the SAP BusinessObjects environment
- Insight transforms system data and writes thorough and effective metadata to Insight Database
- Metadata within Insight Database available for granular analysis



Impact Analysis

- Database Schema Changes
- Semantic Layer Modifications
- Schedules and Instances

Impact Analysis

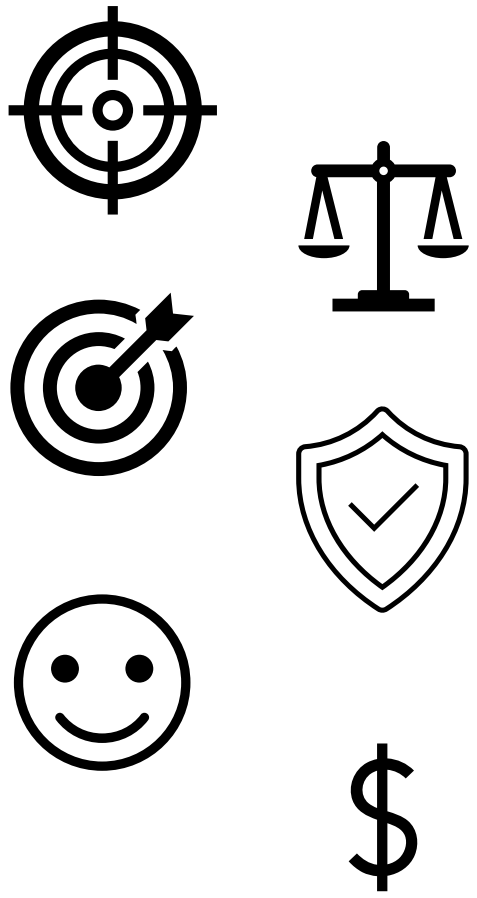
Database Schema Changes

- Universe Connections impacted
- Universe Objects impacted
- Reports impacted

Impact Analysis – Database Schema Changes

Why Important?

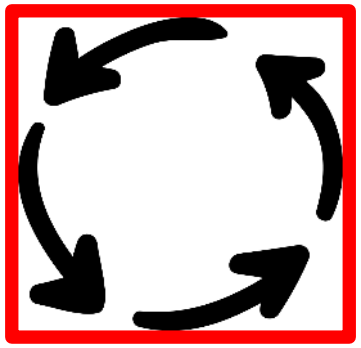
- **Stability of Reports**
- **Accuracy of Reports**
- **User Satisfaction**
- **Governance**
- **Strengthen Controls**
- **Reduce Response Costs**



Database Schema Changes

There may be numerous reasons for a database change:

- Updating your database version

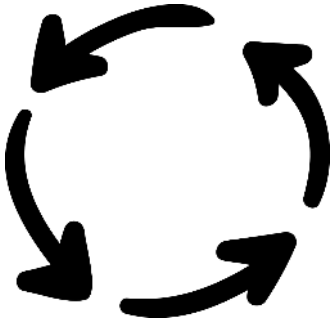


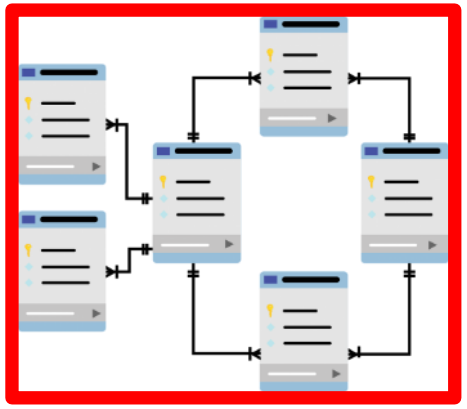
Migrate to latest version

Database Schema Changes

There may be numerous reasons for a database change:

- Updating your database version
- Updated database schema release from a vendor



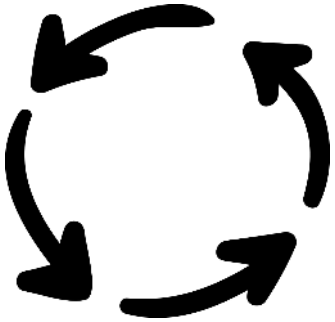


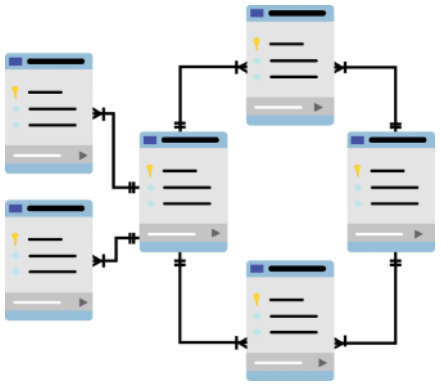
Updated DB Schema

Database Schema Changes

There may be numerous reasons for a database change:

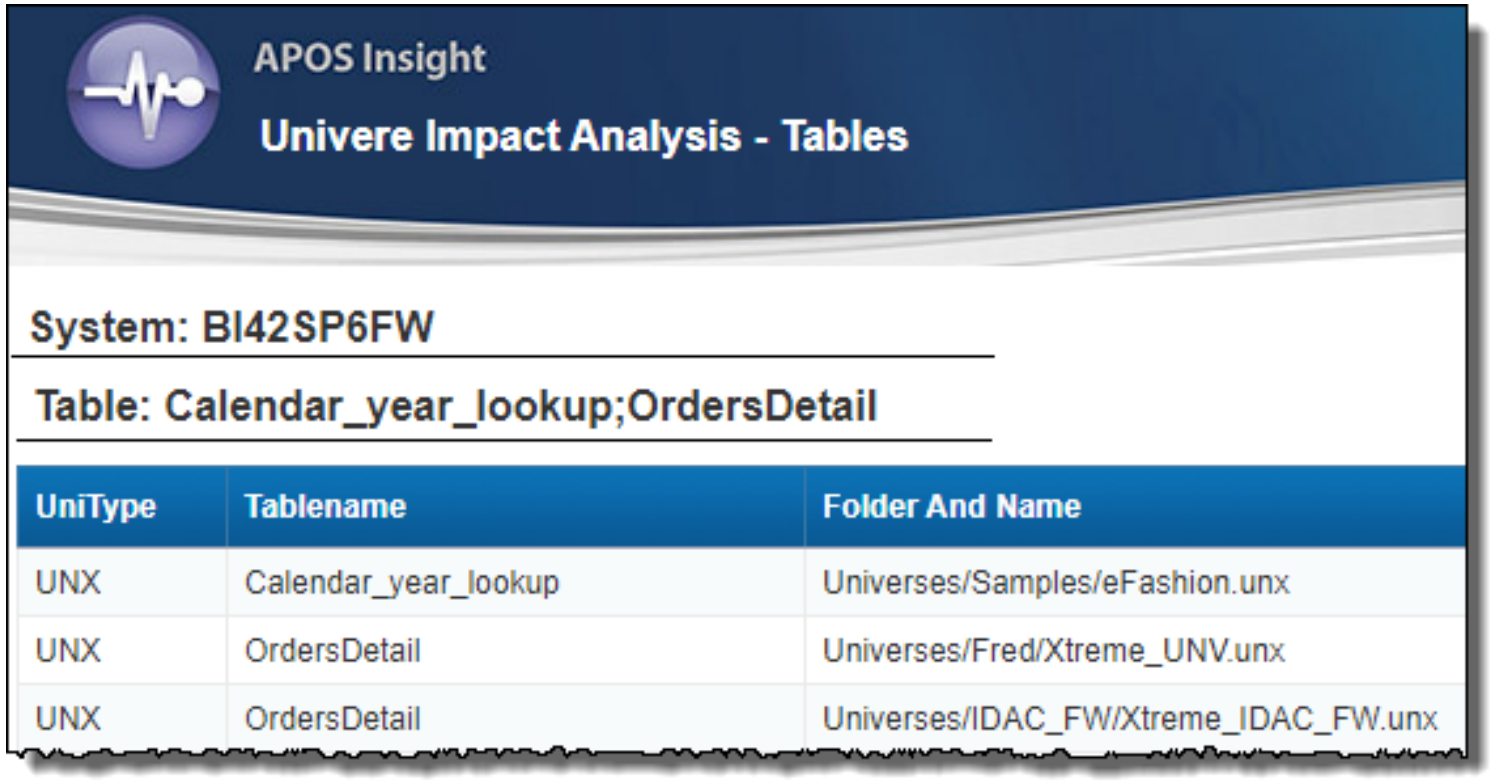
- Updating your database version
- Updated database schema release from a vendor
- Changing from one database manufacturer to another





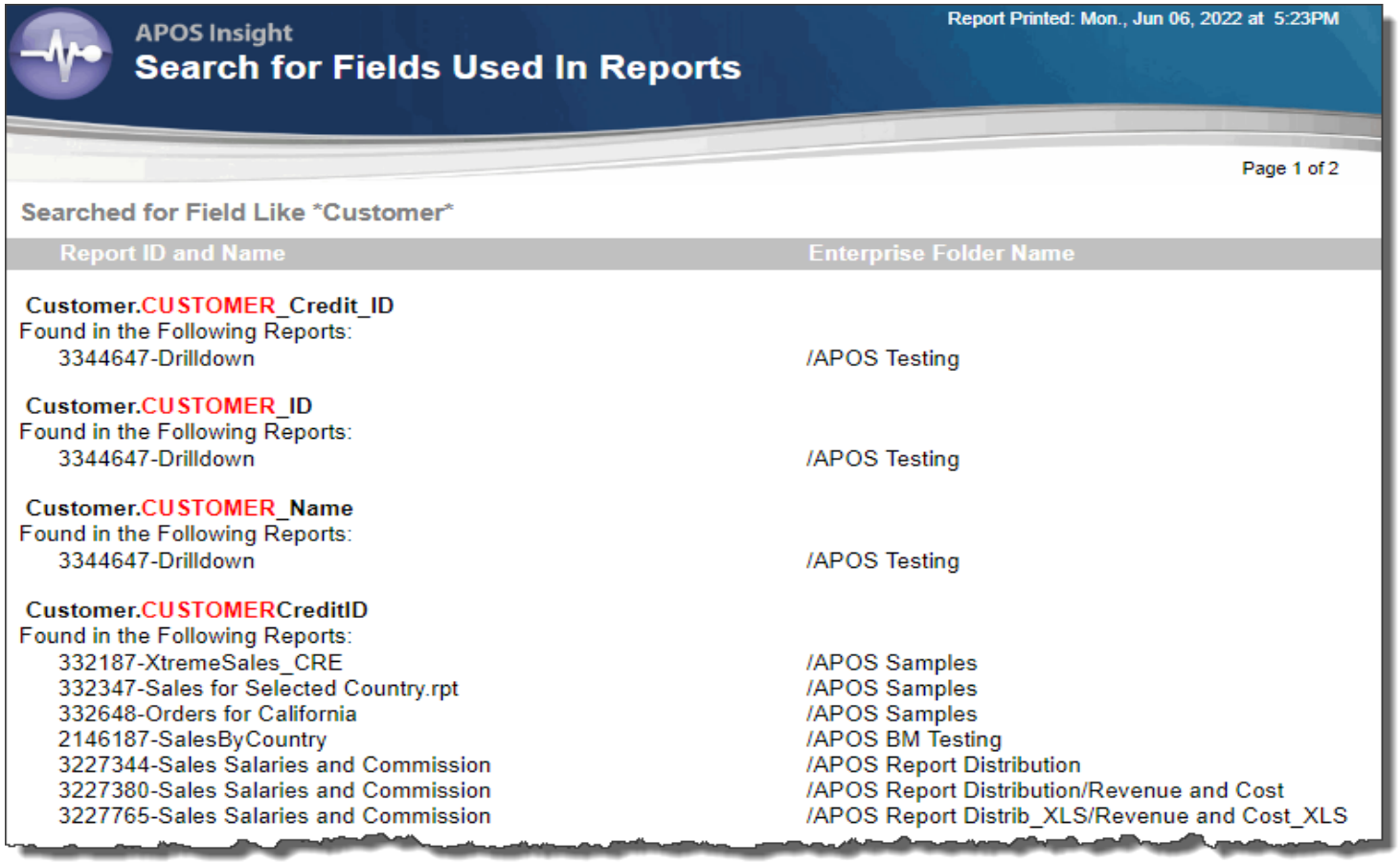
Change to new DB vendor

Database Schema Changes



Search for Web Intelligence documents that use affected tables or fields.

Database Schema Changes



APOS Insight

Report Printed: Mon., Jun 06, 2022 at 5:23PM

Search for Fields Used In Reports

Page 1 of 2

Searched for Field Like *Customer*

Report ID and Name	Enterprise Folder Name
Customer.CUSTOMER_Credit_ID	
Found in the Following Reports:	
3344647-Drilldown	/APOS Testing
Customer.CUSTOMER_ID	
Found in the Following Reports:	
3344647-Drilldown	/APOS Testing
Customer.CUSTOMER_Name	
Found in the Following Reports:	
3344647-Drilldown	/APOS Testing
Customer.CUSTOMERCreditID	
Found in the Following Reports:	
332187-XtremeSales_CRE	/APOS Samples
332347-Sales for Selected Country.rpt	/APOS Samples
332648-Orders for California	/APOS Samples
2146187-SalesByCountry	/APOS BM Testing
3227344-Sales Salaries and Commission	/APOS Report Distribution
3227380-Sales Salaries and Commission	/APOS Report Distribution/Revenue and Cost
3227765-Sales Salaries and Commission	/APOS Report Distrib_XLS/Revenue and Cost_XLS

Search for Crystal Reports that use specific database tables or fields.

Customer Use Cases - Database Schema Changes

Internal driven change

State Government Department

- Updating Bobj and Switch Database Vendors
- Need to track reports that will be affected by change and track down to the field level

Vendor driven change

Large US Healthcare organization

- Regular, ongoing database field changes
- Regular, ongoing Universe changes
- Use Insight for updates from EPIC to provide information on changes for BI team
- Critical to maintain compliance

Impact Analysis

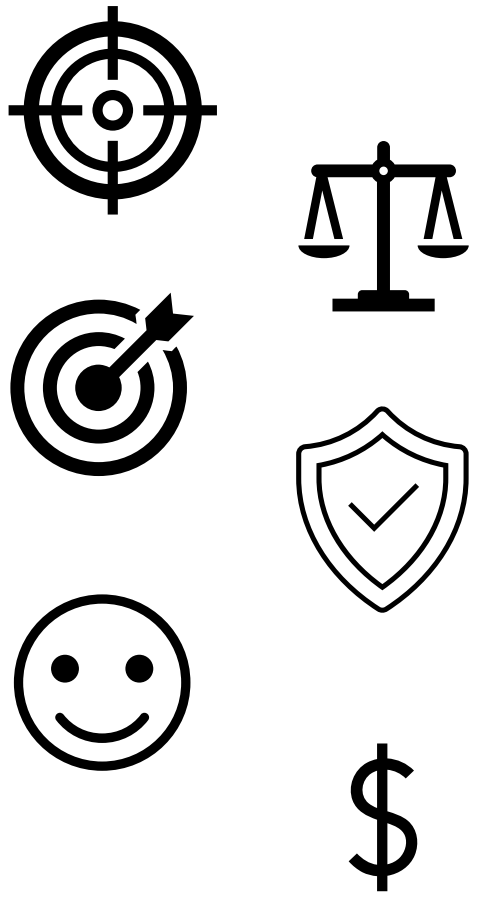
Semantic Layer Modifications

- Calculations modified
- Reports impacted
- Users impacted

Impact Analysis – Semantic Layer Modifications

Why Important?

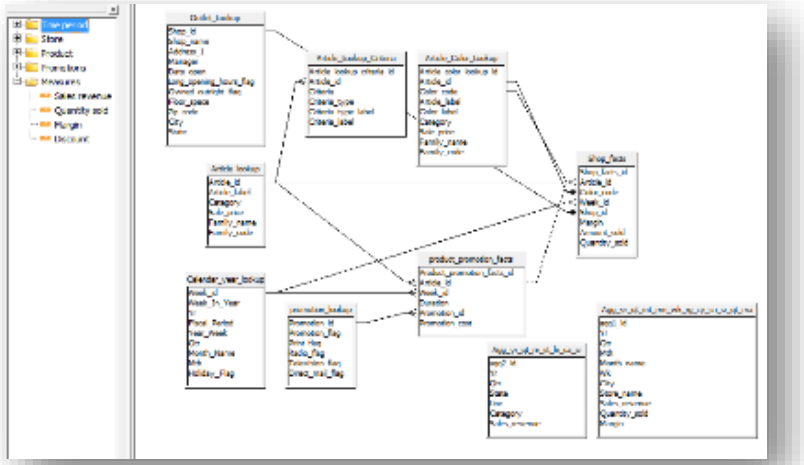
- **Stability of Reports**
- **Accuracy of Reports**
- **User Satisfaction**
- **Governance**
- **Strengthen Controls**
- **Reduce Response Costs**



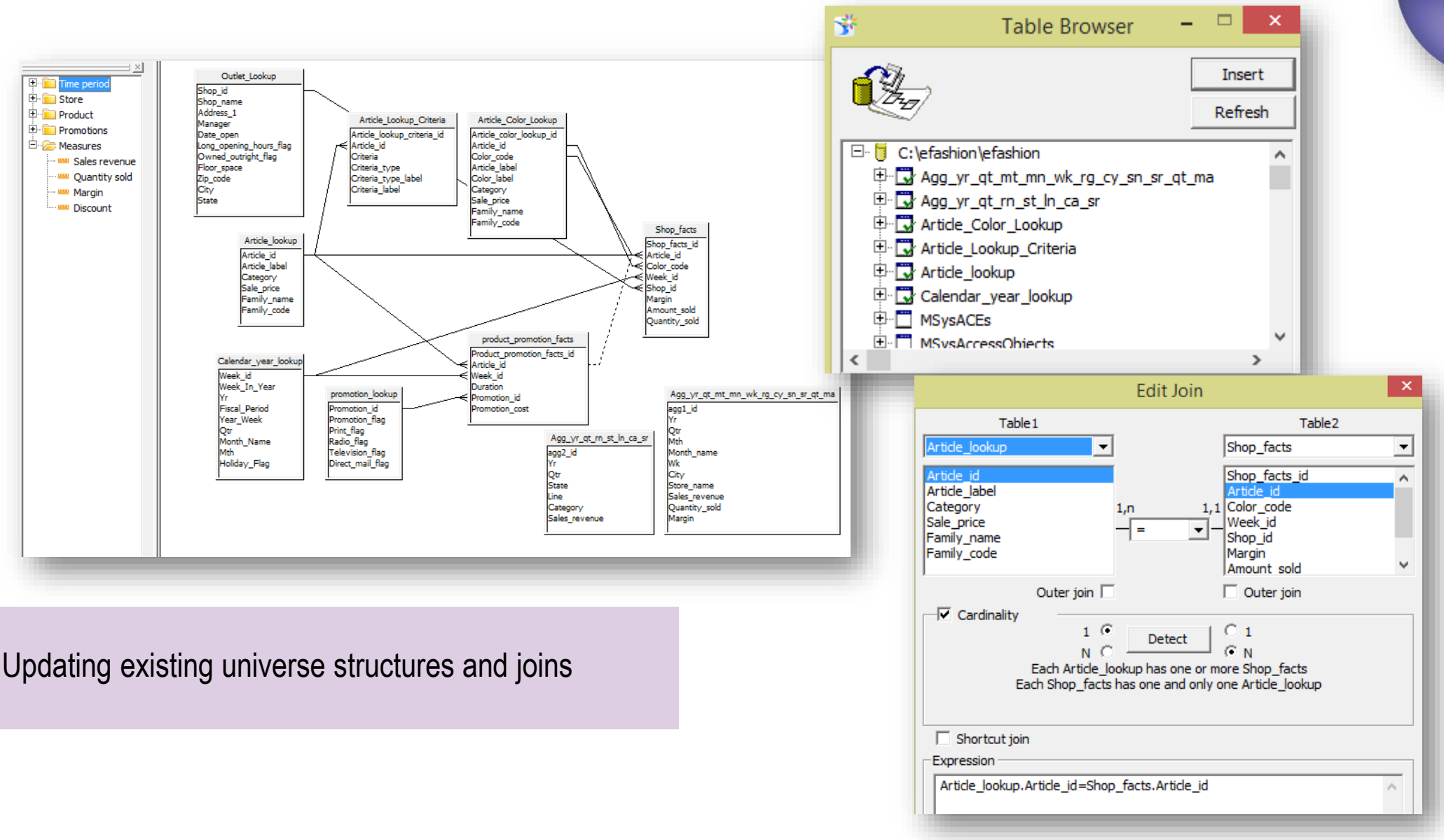
Semantic Layer Modification

There are many reasons for making changes to the semantic layer:

- Bringing an existing universe up to date
- Migrating from UNV to UNX format
- Modifying Classes, Objects, and Calculations

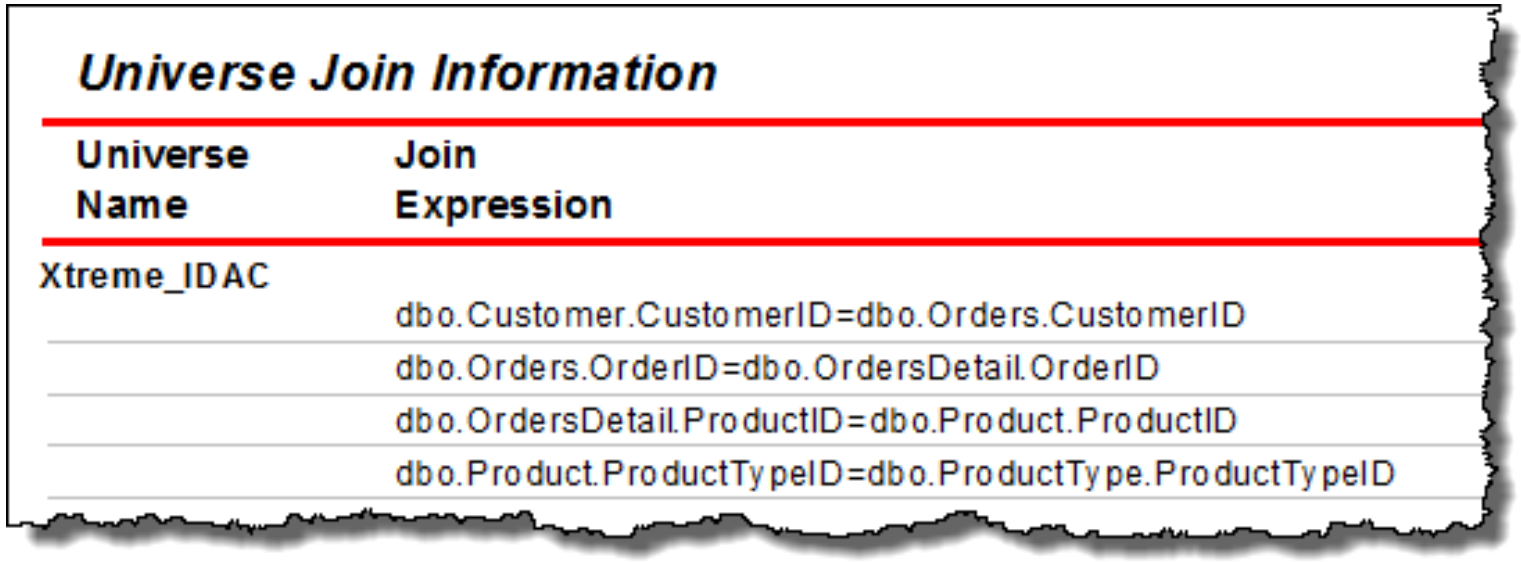


Semantic Layer Modification



Updating existing universe structures and joins

Semantic Layer Modification

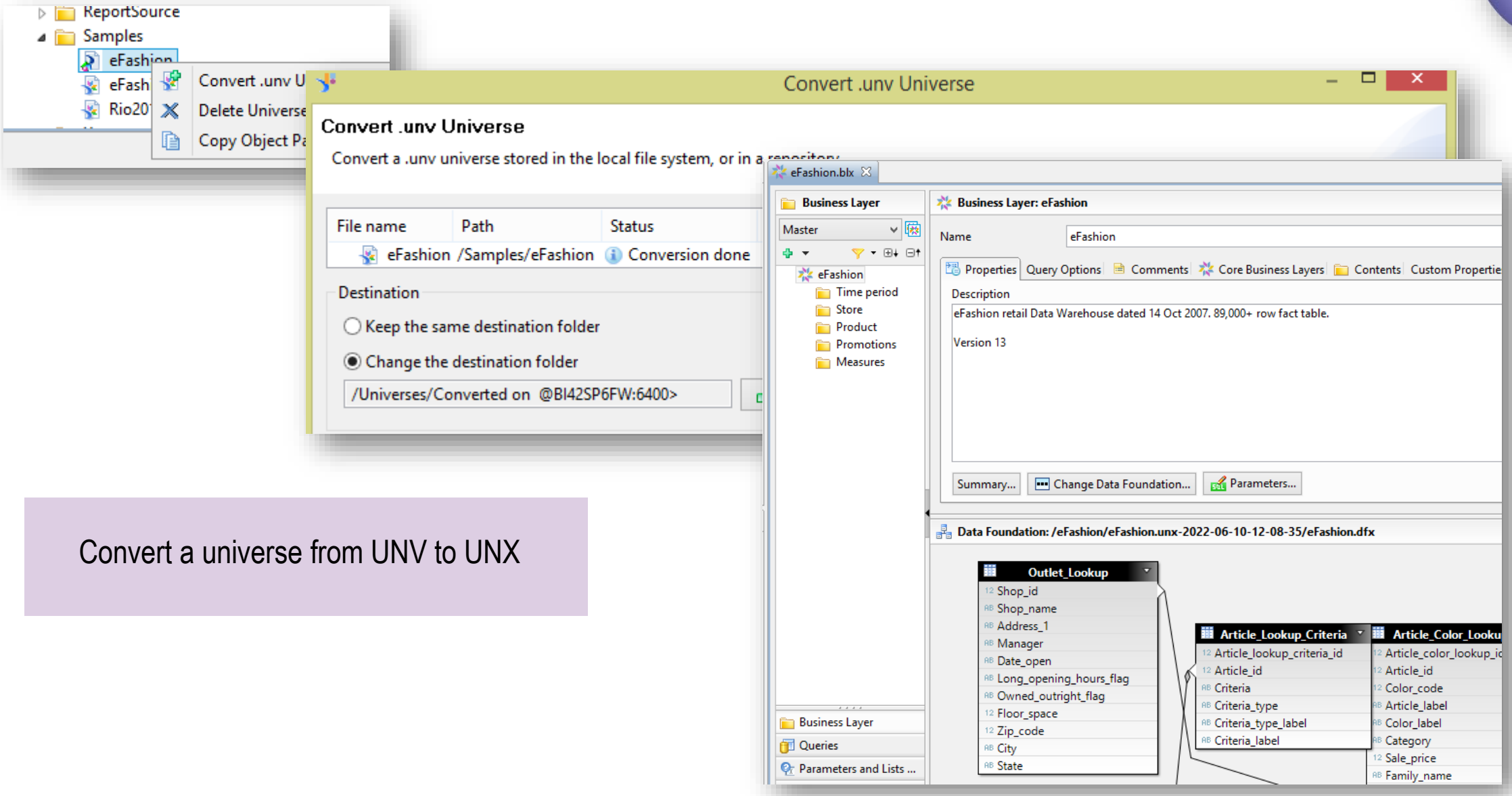


Universe Join Information

Universe Name	Join Expression
Xtreme_IDAC	
	dbo.Customer.CustomerID=dbo.Orders.CustomerID
	dbo.Orders.OrderID=dbo.OrdersDetail.OrderID
	dbo.OrdersDetail.ProductID=dbo.Product.ProductID
	dbo.Product.ProductTypeID=dbo.ProductType.ProductTypeID

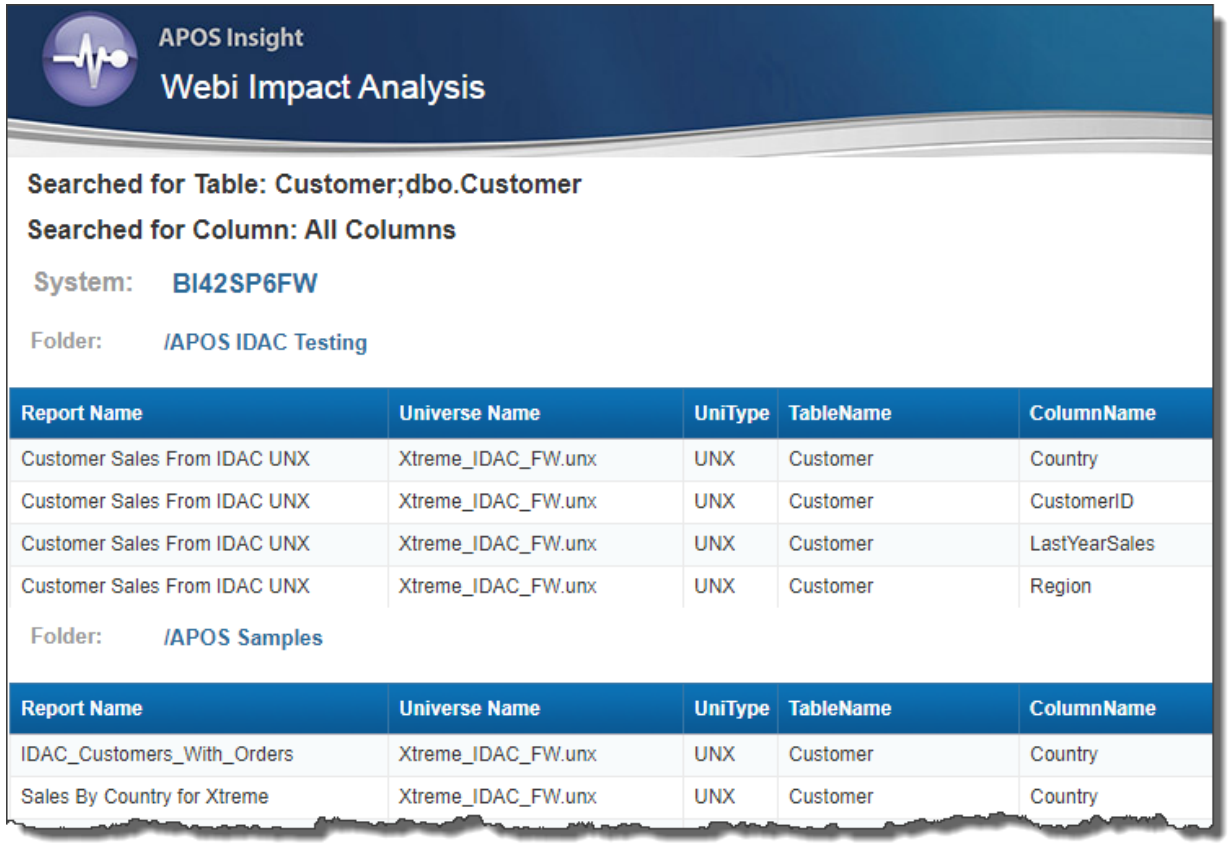
Updating existing universe structures and joins

Semantic Layer Modification



Convert a universe from UNV to UNX

Semantic Layer Modification



APOS Insight

Webi Impact Analysis

Searched for Table: Customer;dbo.Customer

Searched for Column: All Columns

System: BI42SP6FW

Folder: /APOS IDAC Testing

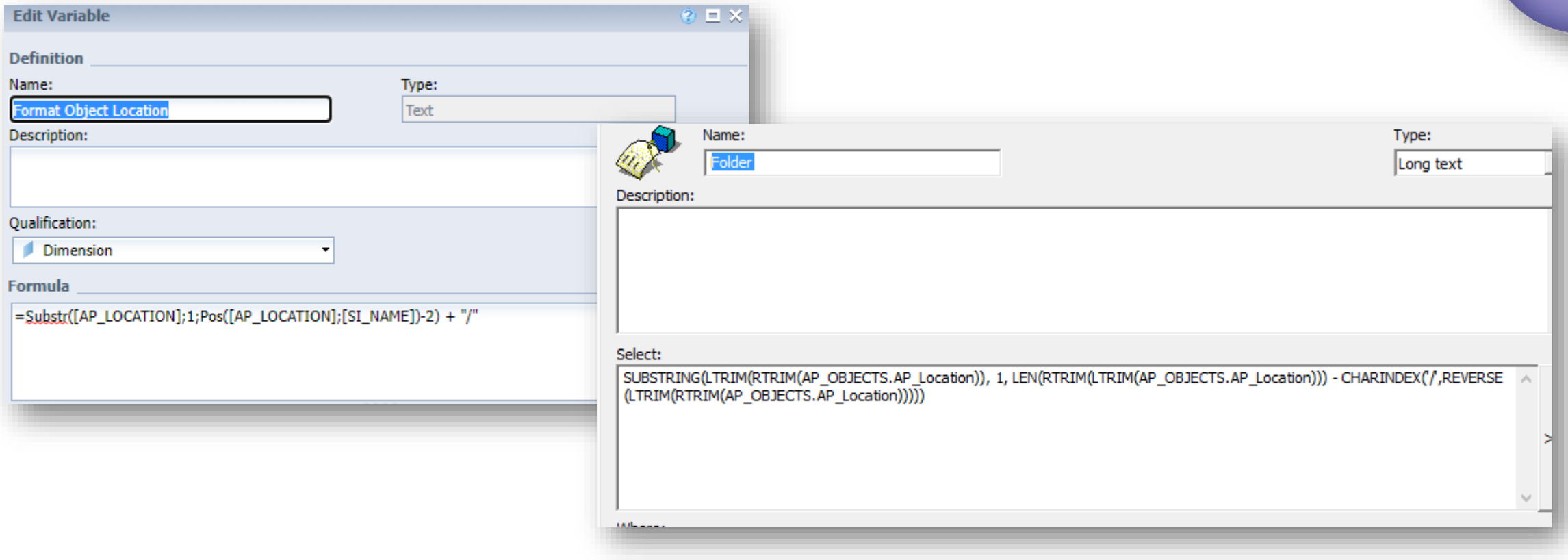
Report Name	Universe Name	UniType	TableName	ColumnName
Customer Sales From IDAC UNX	Xtreme_IDAC_FW.unx	UNX	Customer	Country
Customer Sales From IDAC UNX	Xtreme_IDAC_FW.unx	UNX	Customer	CustomerID
Customer Sales From IDAC UNX	Xtreme_IDAC_FW.unx	UNX	Customer	LastYearSales
Customer Sales From IDAC UNX	Xtreme_IDAC_FW.unx	UNX	Customer	Region

Folder: /APOS Samples

Report Name	Universe Name	UniType	TableName	ColumnName
IDAC_Customers_With_Orders	Xtreme_IDAC_FW.unx	UNX	Customer	Country
Sales By Country for Xtreme	Xtreme_IDAC_FW.unx	UNX	Customer	Country

Discover which reports are using specific columns

Semantic Layer Modification



Create or modify object definitions or calculations in order to have a single version of the truth.

Semantic Layer Modification

APOS Insight

Universe Class Objects

Universes Selected: Universes/Samples/eFashion;Universes/APOS Insight/Insight4 - SQL Server

BI42SP4FW

Info Date: 1/1/2000

Universe Path & Name: Universes/APOS Insight/Insight4 - SQL Server

Universe ID: 110728 Universe File Size: 869 KB Universe Type: UNV

Universe Owner Administrator

Object Name	Data Type	Qualification	Tables Used	SELECT	WHERE
AP_UpdateDate	Character	Dimension	"Audit Object Events"	"Audit Object Events".AP_UpdateDate	
AP_UpdateDate DT	Date	Dimension	"Audit Object Events"	convert(datetime,left("Audit Object Events".AP_UpdateDate,8)+' '+ substring("Audit Object Events".AP_UpdateDate,9,2)+':'+substring("Audit Object Events".AP_UpdateDate,11,2)+':'+substring ("Audit Object Events".AP_UpdateDate,13,2))	

Search for Objects in universe that need to be modified

Customer Use Case – Semantic Layer Modifications

State Healthcare organization

- Moved from UNV to UNX
- 50 universes that were constantly being updated
- Needed to track changes and make appropriate updates
- Users reports require accuracy and consistency with single layer of truth
- Repointing of Webis to updated universes

Impact Analysis

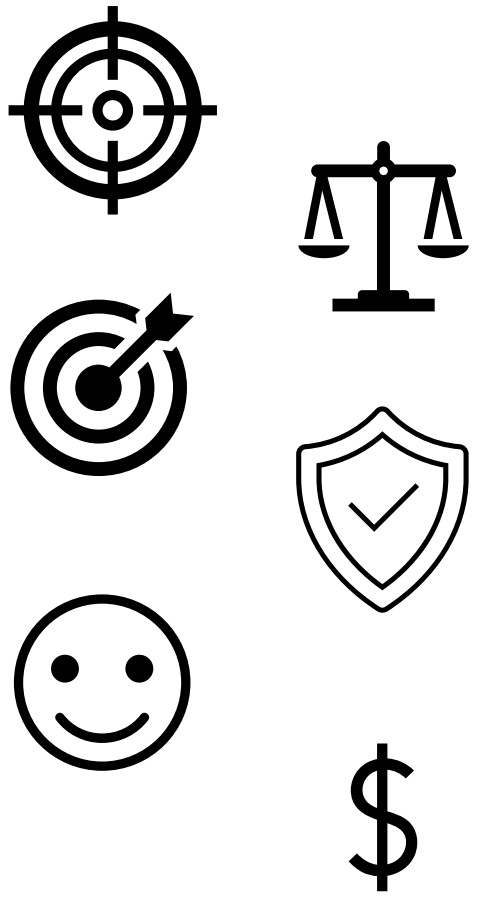
Schedules and Instances

- Destination changes
- Frequency changes
- Ownership changes

Impact Analysis – Schedules and Instances

Why Important?

- **Stability of Reports**
- **Accuracy of Reports**
- **Efficiency of Reports**
- **User Satisfaction**
- **Governance**
- **Strengthen Controls**
- **Reduce Response Costs**

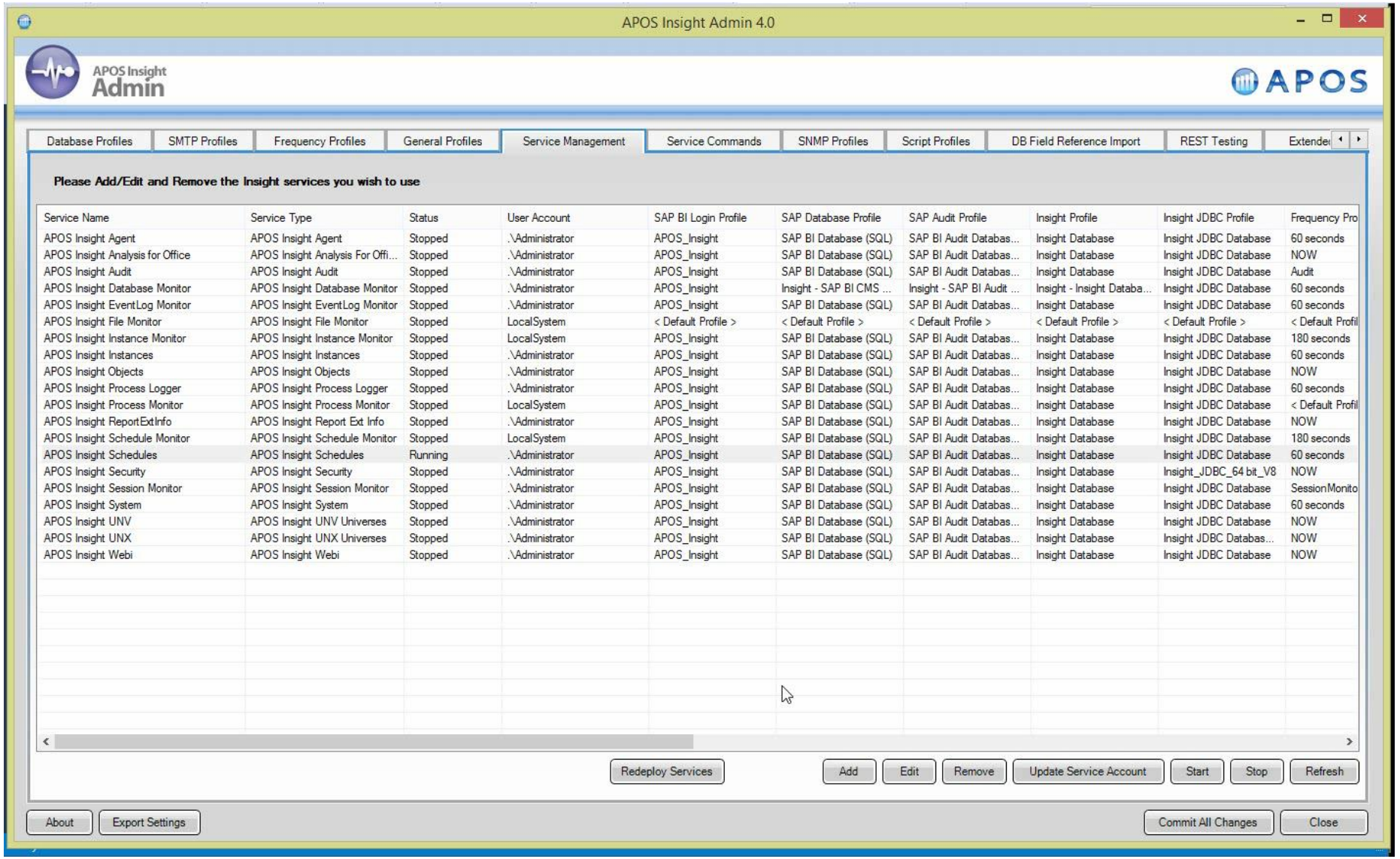


Schedules and Instances

Detailed information regarding schedules and recurring instances must be readily available.

- Schedule times
- Recurrence
- Destination
- Format
- Ownership
- Etc.

Schedules and Instances



Customer Use Case - Schedules and Instances

US Healthcare Provider

- Needed to track and analyze report schedules on the fly
- Make sure the emails recipients and schedules were accurate
- Confirm if any updates needed to be made
- Needed to optimize schedules and have the ability to make those changes

APOS INSIGHT

Deep system knowledge for effective system management

BI System Auditing

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

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

BI Report Testing

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

APOS
www.apos.com
info@apos.com

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

Upcoming Events

SAP BusinessObjects Statement of Direction & Roadmap Update

June 29th , 2022 – 11 am Eastern Time

Join us on this upcoming session where Gregory Botticchio, Director of Analytics Product Management at SAP, will present a very important update regarding the roadmap plans and a new Statement of Direction for SAP BusinessObjects. This update will include important new plans for upcoming versions of SAP BusinessObjects for on-premise deployments, along with information about the significant extension of support timelines for SAP BusinessObjects on premise.

Watch your Inbox for invitation and registration details!

Register at www.apos.com

STAY CONNECTED

LINKEDIN

APOS Systems Inc.

TWITTER

@APOS_Systems

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?

Please enter your questions in the Q&A panel.

APOS

Thank You!

Get in Touch

WEBSITE

www.apos.com

EMAIL ADDRESS

info@apos.com

PHONE NUMBER

(+1) 519 894 2767

SAP Partner