MAPOS

This webinar will begin at 11:00 am Eastern Time (New York)

Presented By:

- Peter Warren, APOS
- Fred Walther, APOS



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Flashes of Insight: SAP BusinessObjects Report Testing



Today's Session

Key Topics

TOPIC

- Regression Testing
- Upgrade/Migration Testing
- Performance Testing
- Q&A see webinar console





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 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

APOS Insight – Deep System Knowledge





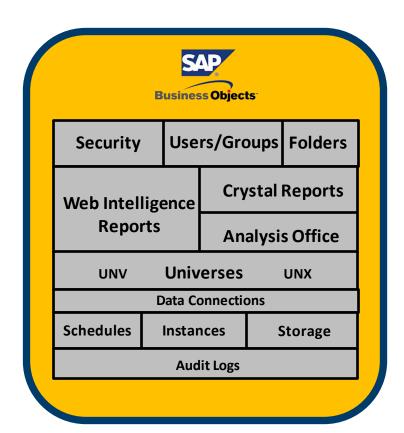
APOS Insight – Deep System Knowledge





APOS Insight

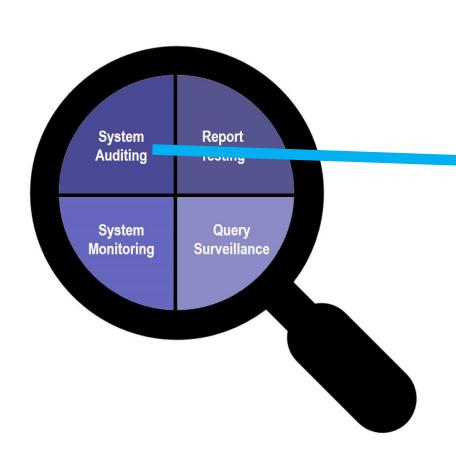


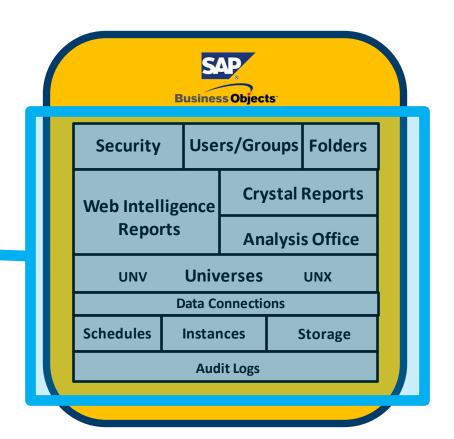




APOS Insight

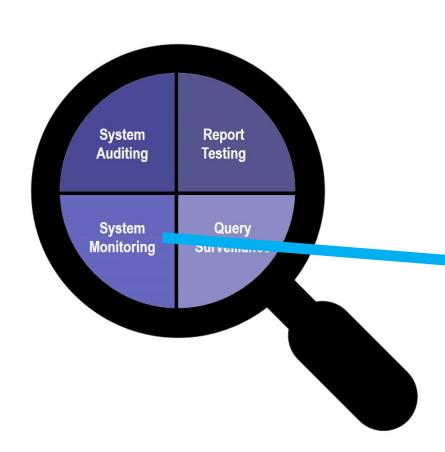


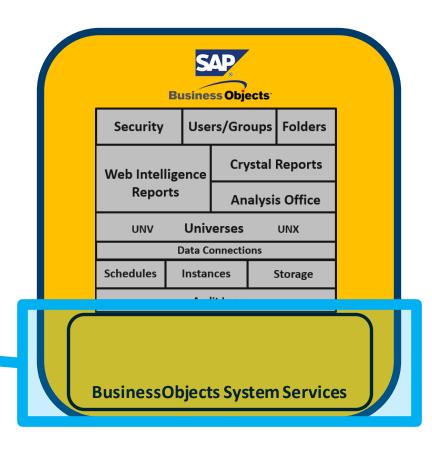




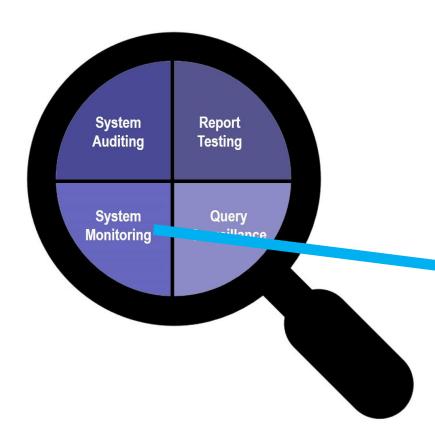


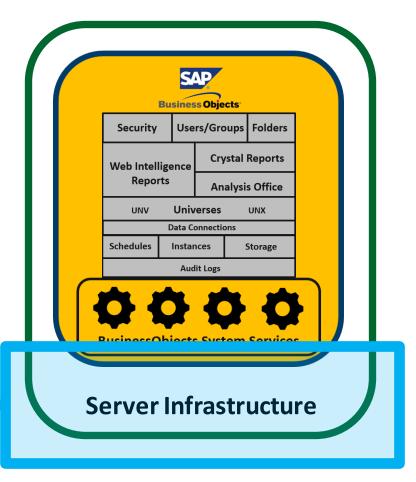






APOS Insight

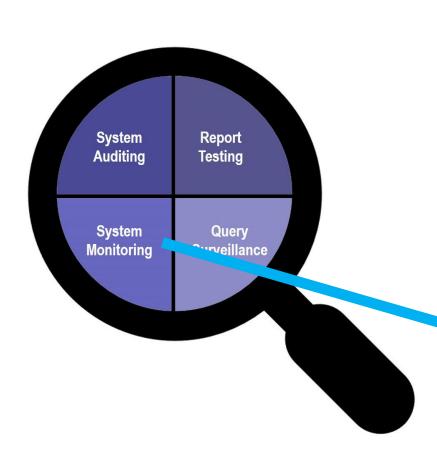


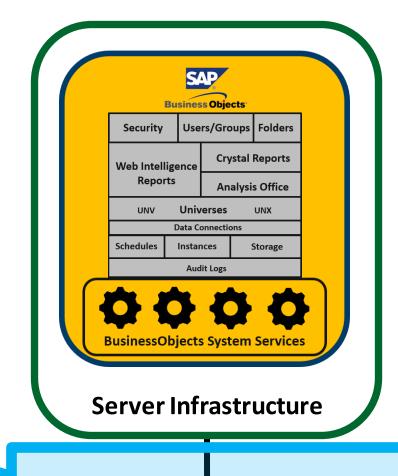






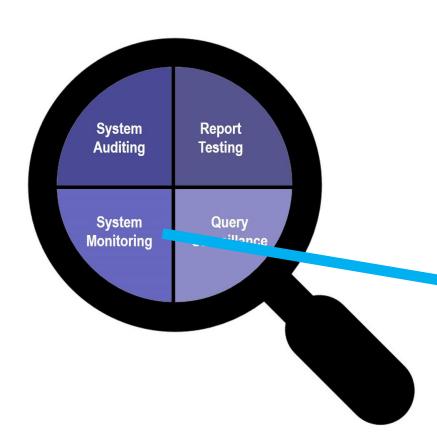


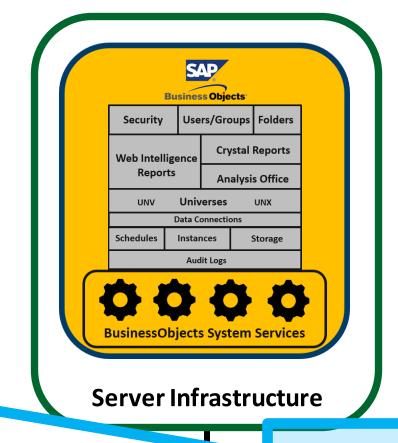






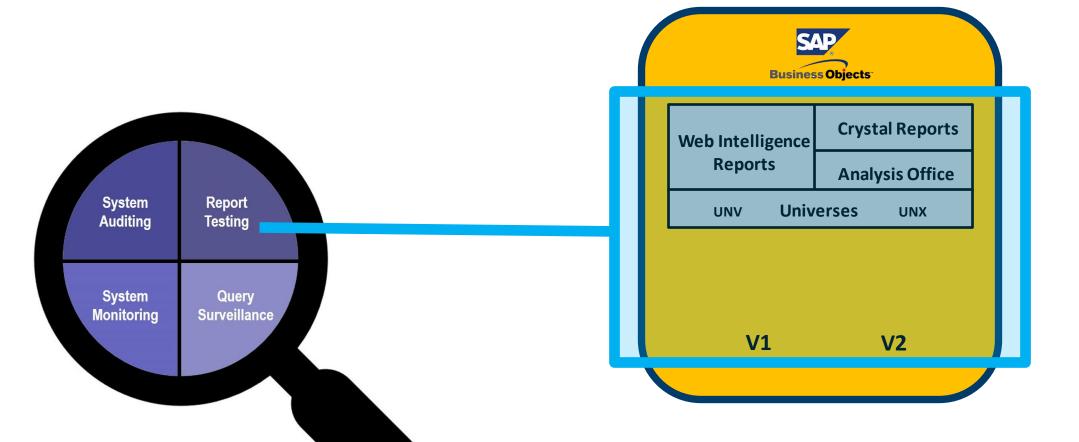






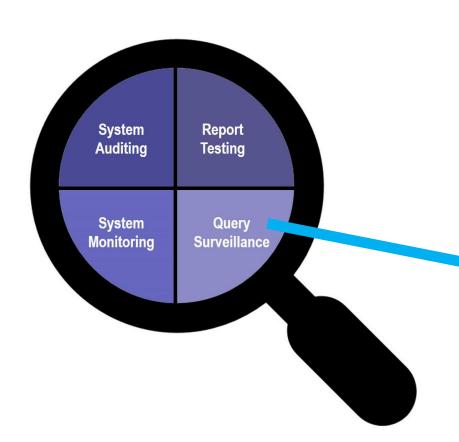


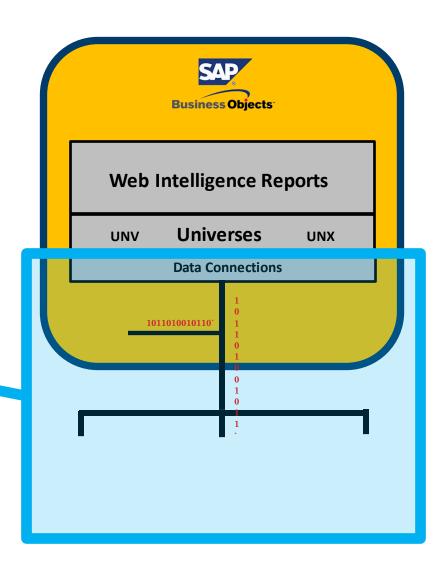






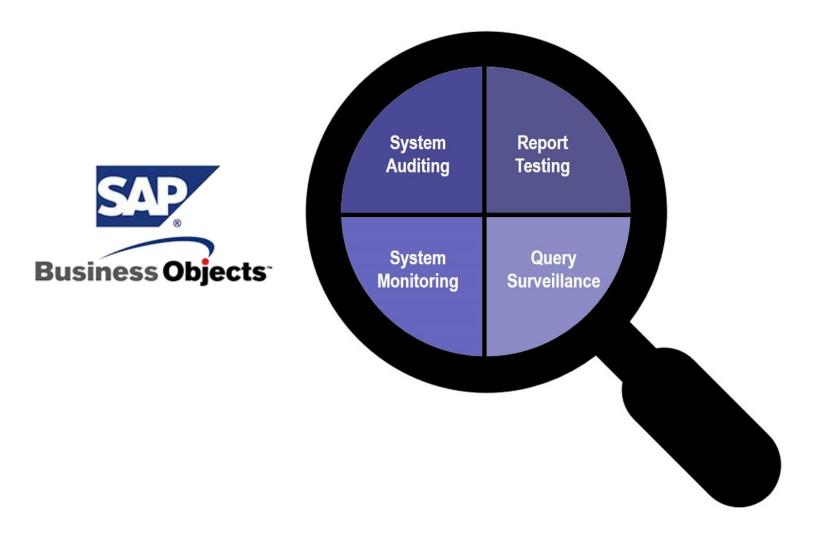






Flashes of Insight – Automated Report Testing





Flashes of Insight - Series



Session 1 – Managing Change

Session 2 – Performance Analysis

Session 3 – Usage Analysis

Session 4 – Automated Report Testing (Today)

Session 5 – Query Management & Governance

Session 6 – Report Impact Analysis







Fred Walther
Senior Solution Consultant
APOS

Flashes of Insight



Regression Testing

Upgrade/Migration Testing

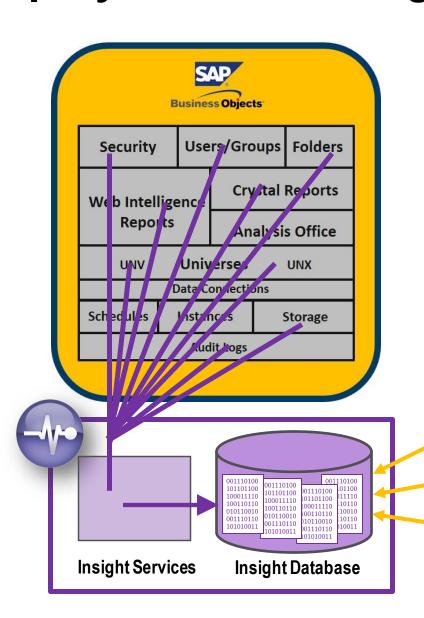
Performance Testing

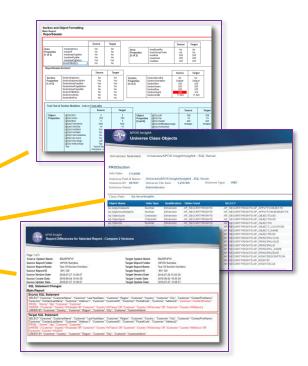




OS Insight – Deep System Knowledge

- 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





Flashes of Insight



Regression Testing

- Database Upgrade/Migration
- . Universe Update/Modification
- . Report Update/Modification







- Replace Manual Testing
- Accuracy
- User Satisfaction
- Governance
- Strengthen Controls
- Reduce Costs



Regression Testing - Database Upgrade/Migration



Database Change Scenarios:

- A new version of the existing database is required for certain features
- A new database server with more system resources is required for better performance

 A business decision has been made to migrate from one database to a different one

Regression Testing - Database Upgrade/Migration

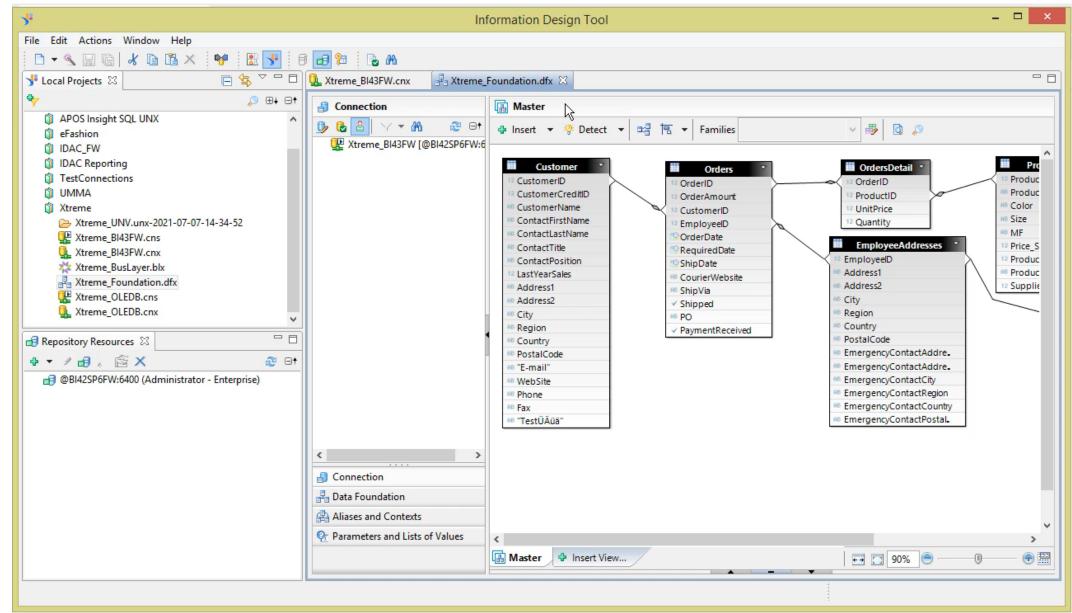


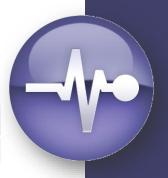
Database Change Scenarios:

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 A business decision has been made to migrate from one database to a different one

Regression Testing - Database Upgrade/Migration







Customer Use Case – Regression Testing



Large US Healthcare Organization

- Critical healthcare delivery reports require accuracy
- Regular, ongoing database field changes
- Regular, ongoing Universe changes
- Automated testing provides speed, efficiency, confidence





Flashes of Insight



Upgrade/Migration Testing

- . Upgrade current BOE system to new servers
- . Migrate between versions of SAP BI





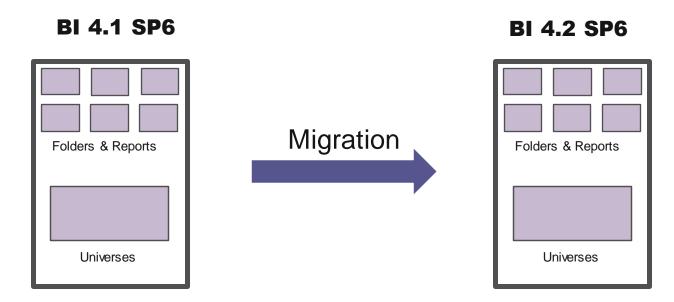
Why Important?

- Replace Manual Testing
- Broader Testing
- Accuracy
- Governance
- User Satisfaction
- Faster Migrations
- Strengthen Controls
- Reduce Costs

Upgrade/Migration Testing

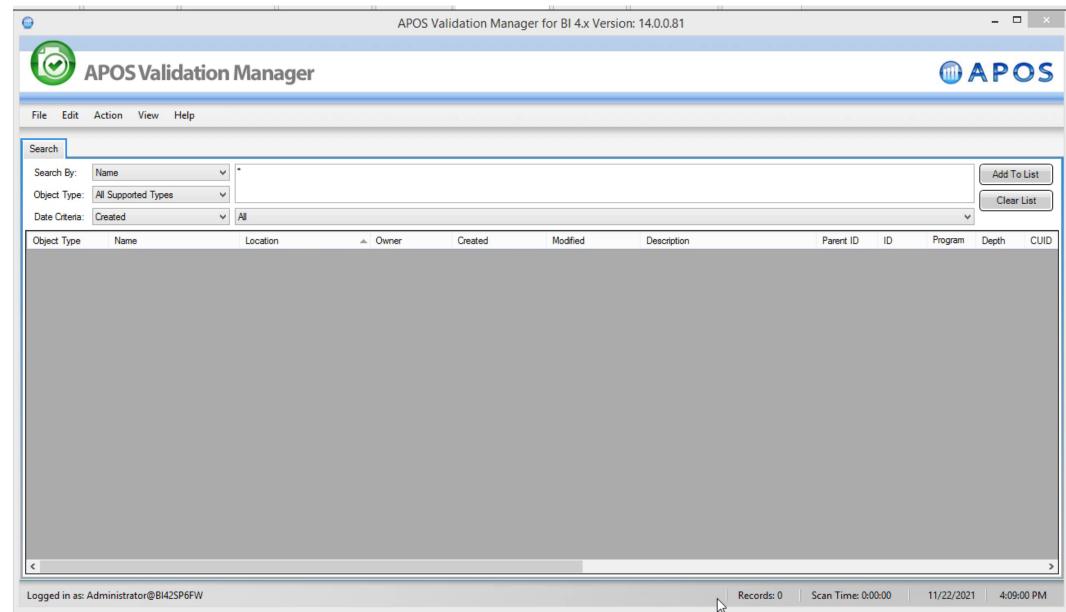
Testing Scenarios

- Upgrade BI System
- Migrate BI Version





Upgrade/Migration Testing





Upgrade/Migration Testing



Customer Use Case – Upgrade/Migration Testing



Large Global Insurance Company

- Long-term deployment with large consumer community
- Very large volume of report content in system
- Serves critical internal and external/customer facing needs
- Upgrades to new SAP BusinessObjects versions a huge project
- Report accuracy and report testing is vital
- Time and resources required for report testing is cut in half at a minimum





Flashes of Insight



Performance Testing

- . Instance run-time comparison
- Long term instance run-times
- . Query run-times







- Replace Manual Testing
- Broader Testing
- Strengthen Controls
- User Satisfaction
- Reduce Costs





Initial validation

Do my report instances run in the same time frame as before?

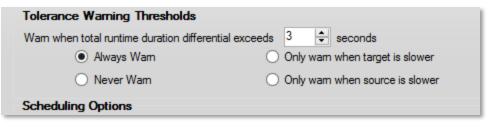
Ongoing performance

Do my report instances consistently return in an acceptable time?

Query performance

Are my queries performing in an optimal manner?

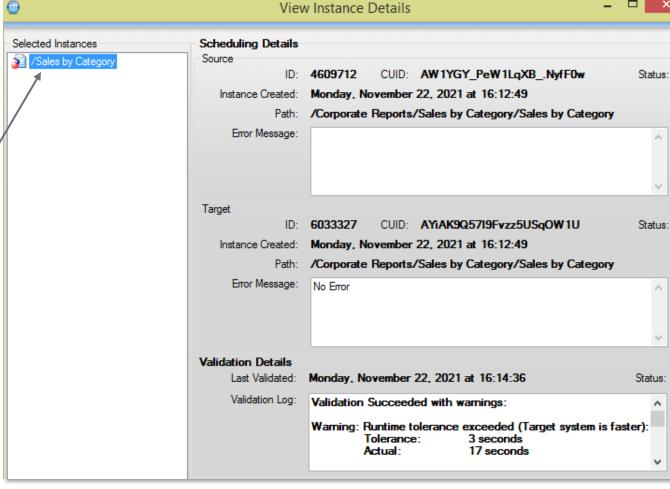




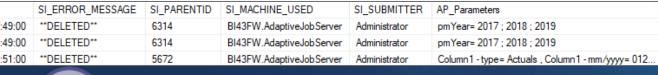
	Last Validated	Result	Object Type	Source Name
1	2021/11/22 16:14:36	A	Crystal Report	Units Sold By Store
2	2021/11/22 16:14:36	②	Crystal Report	Units Sold By State.rpt
3	2021/11/22 16:14:36	A	Webi	Sales by State
4	2021/11/22 16:15:05	A	Webi	Sales by Product Line
5	2021/11/22 16:14:36	<u> </u>	Webi	Sales by Category
6	2021/11/22 16:14:36	A	Crystal Report	Gross Margin By Store.rpt

Compare run-times using thresholds





SI_ID	System_Name	SI_NAME	Start_Time	End_Time
24940	BI43FW	EfashionReport	2020-11-26 07:49:00	2020-11-26 07:4
24946	BI43FW	EfashionReport	2020-11-26 08:49:00	2020-11-26 08:4
26337	BI43FW	Comparative Income Statement	2020-12-19 09:51:00	2020-12-19 09:5
27161	BI43FW	Comparative Income Statement	2021-01-26 08:20:00	2021-01-26 0
27577	BI43FW	Comparative Income Statement	2021-02-19 09:52:00	2021-02-19 0
29063	BI43FW	Comparative Income Statement	2021-03-22 09:28:00	2021-03-22 0
32160	BI43FW	Comparative Income Statement	2021-03-25 10:39:00	2021-03-25 1
32185	BI43FW	EfashionReport	2021-03-25 10:46:00	2021-03-25 1
33101	BI43FW	Comparative Income Statement	2021-05-05 15:42:00	2021-05-05 1
39382	BI43FW	Activity_TopLevel_ExcludeGr	2021-05-17 13:31:00	2021-05-17 1
39577	BI43FW	Activity_TopLevel_ExcludeGr	2021-05-18 09:28:00	2021-05-18 0
39874	BI43FW	Activity_TopLevel_ExcludeGr	2021-05-18 14:39:00	2021-05-18 1
40286	BI43FW	Comparative Income Statement	2021-05-19 09:51:00	2021-05-19 0
42012	BI43FW	Activity_TopLevel_ExcludeGr	2021-05-25 16:18:00	2021-05-25 1
43198	BI43FW	Activity_TopLevel_ExcludeGr	2021-05-27 08:42:00	2021-05-27 0
44624	BI43FW	Activity_TopLevel_ExcludeGr	2021-05-27 15:13:00	2021-05-27 1
75871	BI43FW	Comparative Income Statement	2021-06-19 09:52:00	2021-06-19 0
81094	BI43FW	Sales By Country_Parameters	2021-06-28 17:03:00	2021-06-28 1
81093	BI43FW	Sales By Country Parameters	2021-06-28 17:03:00	2021-06-28 1





Reports Scheduled in Last Year (ie 365 days)

Crystal Enterprise Format	# of
Destination	Instances

Report

Repository Crystal Enterprise Report ID & Location		Latest Instance Date	Average Run-Time(Sec)	# Instan
Administrator	6530	5/8/2019 8:37:34AM Repository	3	mstan
Administrator	208093	5/24/2019 11:08:11AN Repository	16	

Analyze instance run-time historically



06/22/2020 13:39

Xtreme



Queries	by User		Report Run on 11/23	3/2021 at 3:39:45F	PM		
BOE Document	Query Duration(ms)		Universe Name	Data Provider Name	SQL Query Text		
APOS_Insight 19 queries							
Sales By Country	Sales By Country for Xtreme on 2020-06-22 13 39 by APOS_Insight						
Sales By Country	/ for 2,738	71	Xtreme_IDAC_FW		SELECT DISTINCT		
Xtreme					dbo.Customer.Country		
06/22/2020 13:3	9				FROM		
					dbo.Customer		
Sales By Country	/ for 2,212	1	Xtreme_IDAC_FW	Query	Query	Document	

Query Duration (sec)	Query Date/Time	Document Name	Universe Name
4.38	12/16/2019 11:53	Orders for Country from UNX	Xtreme IDAC FW
3.37	12/16/2019 11:31	Sales By Country for Xtreme	Xtreme_IDAC_FW
2.95	12/16/2019 11:30	Sales By Country for Xtreme	Xtreme_IDAC_FW
2.91	01/06/2021 10:57	Sales By Country for Xtreme	Xtreme_IDAC_FW
2.87	05/06/2020 10:17	Sales By Country for Xtreme	Xtreme_IDAC_FW
2.87	02/06/2021 10:58	Sales By Country for Xtreme	Xtreme_IDAC_FW
2.74	06/22/2020 13:39	Sales By Country for Xtreme	Xtreme_IDAC_FW
2.27	12/16/2019 12:08	Sales By Country for Xtreme	Xtreme_IDAC_FW
2.21	06/22/2020 13:39	Sales By Country for Xtreme	Xtreme_IDAC_FW
2.13	12/16/2019 11:29	Sales By Country for Xtreme	Xtreme_IDAC_FW
2.11	12/16/2019 12:08	Sales By Country for Xtreme	Xtreme_IDAC_FW

Analyze query performance historically



Customer Use Case – Performance Testing



National Media Organization

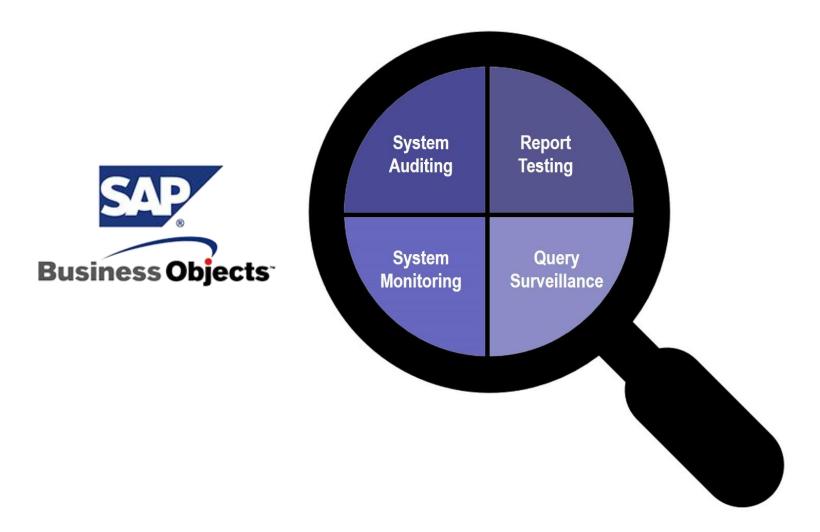
- Analysis for Office documents
- Regression and Upgrade testing
- Migrating BusinessObjects to cloud deployment
- Ensure Analysis for Office documents perform effectively





Insight – Automated Report Testing





APOS Solutions for SAP BusinessObjects



APOS Insight

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 Report Testing

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

BI Query Surveillance

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

APOS Administrator



Object Management

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

Instance Management

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

Schedule Management

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

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

Webinars



SAP BusinessObjects Update: SAP BI 4.3 & SAP BusinessObjects Private Cloud Edition

January 20, 2022 – 11 am EST

Join us for this live webinar as guest speakers from SAP will provide an overview and update on the latest features and news about:

- SAP BusinessObjects version 4.3
- SAP BusinessObjects Private Cloud Edition

This session will help you plan your strategy and steps for your SAP BusinessObjects deployment.



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Get in Touch

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