

WEBINAR

BusinessObjects Recharged

Master Your Current Landscape

BusinessObjects Recharged

Master Your Current Landscape

Key Topics

- Updated SAP Statement of Direction
- Mapping the Landscape
- Performance Evaluation
- Proactive Stability
- Wrap Up
- Q&A – see webinar console



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



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the handouts
in the panel



Tell us how
we did in the
survey



AP BI 2025

March 12, 2025

SAP BI 2027

SAP BI 2029

SAP
**BUSINESS
OBJECTS**

The Road Ahead for SAP BusinessObjects

SAP Analytics – Updated Statement of Direction



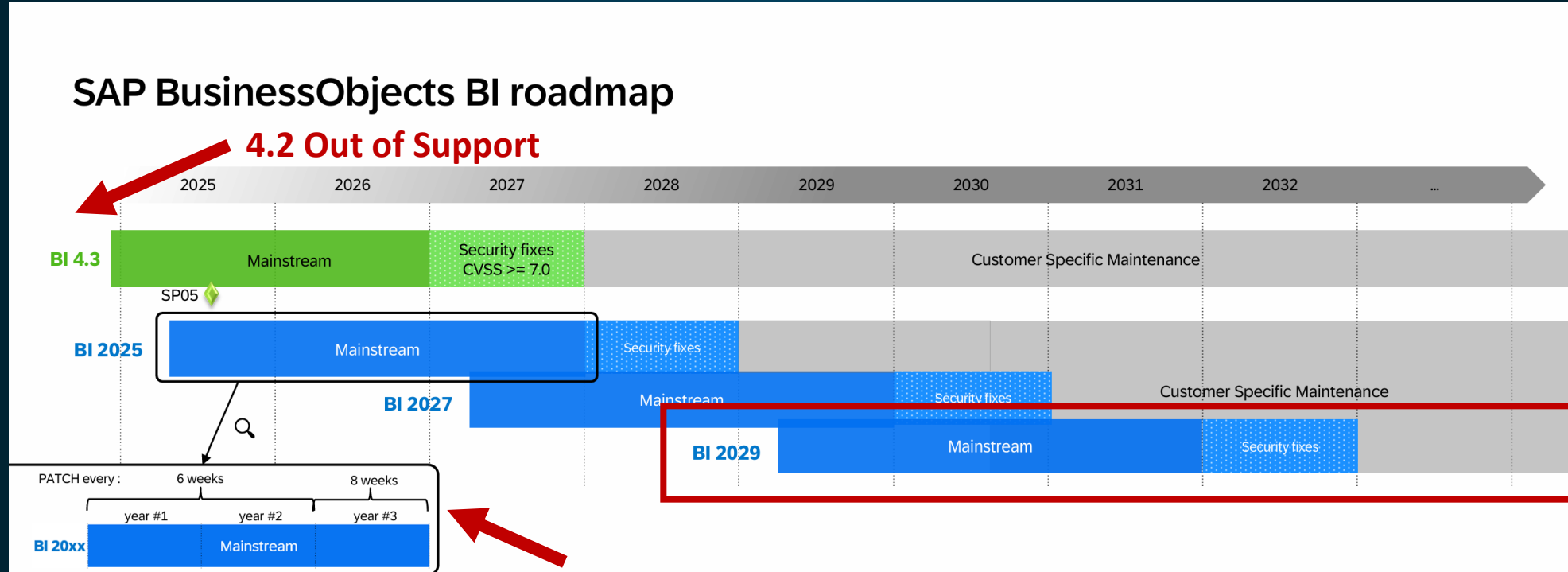
PUBLIC

SAP ANALYTICS

Business Intelligence Statement of Direction

July 2025

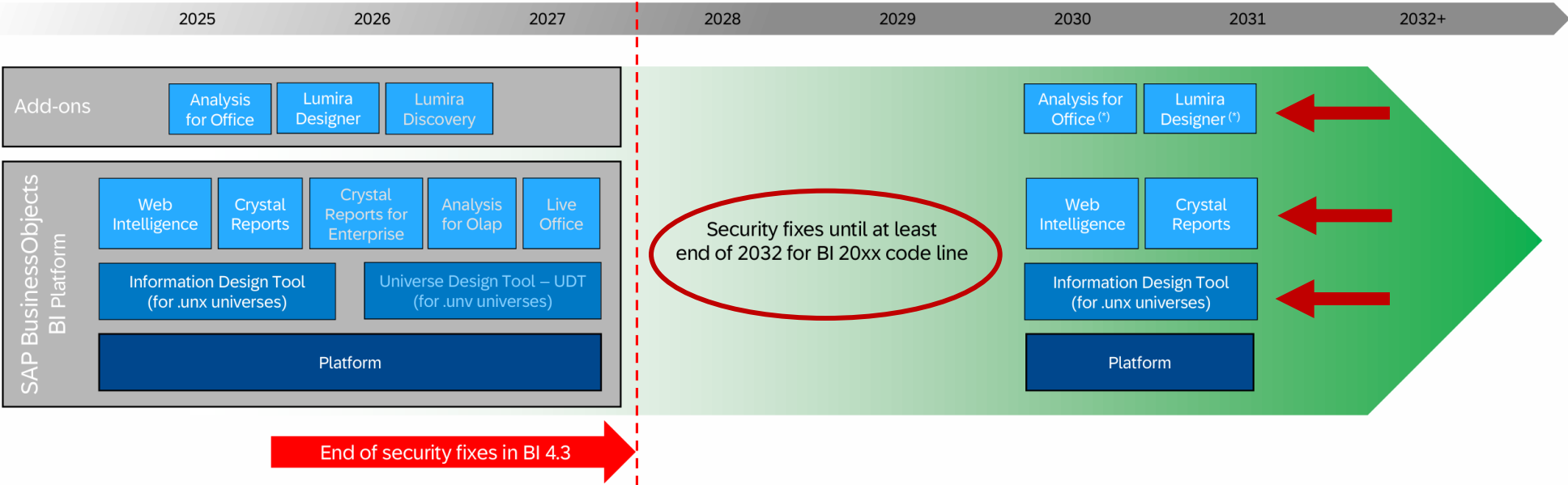
SAP BusinessObjects BI Roadmap



- 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



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

What Customers are Thinking

What are customers thinking about BusinessObjects and their objectives?

- they see the extended SAP commitment and the renewed potential for BusinessObjects
- they understand that many enterprise reporting needs are being met successfully by BusinessObjects
- they recognize the significant investments they have already made in BusinessObjects
 - BI assets (reports, semantic layer)
 - Infrastructure, licensing
 - User skills, BI processes
- they know that it is more efficient to Recharge their BusinessObjects environment, rather than Re-invent
- many wish they had better control of their BusinessObjects environment



Alan Golding
Solution Consulting Manager



Fred Walther
Senior Solution Consultant

Mastering Your Current BusinessObjects Landscape

1. Mapping the Landscape
2. Performance Evaluation
3. Proactive Stability



Mapping the Landscape – What does it mean?

Understanding *what you have today*

'I don't know what's in my environment. I know there's a lot of junk, but I don't know what's safe to get rid of.'



Mapping your BI landscape steps:

- Clarifying your DEV, QA, and PROD environments ensuring you know how each landscape is structured and differentiated
- Gain visibility into workloads, universe dependencies, report volumes
- Auditing usage patterns

Mapping the Landscape – What Customers Ask!

How is my system being used currently – interactive/on-demand use versus scheduled jobs?

Who are my most active report consumers?

How can I develop a better understanding of what my users are doing with both interactive and scheduled reports?

How can I better manage my universes?

What changes or improvements can I make within my system now to lead to successful migrations to newer versions of BusinessObjects in future?

What content in my BusinessObjects environment is not being used?

How can I develop a complete listing of the report and dashboard content within my system and identify which content still aligns with my business needs?

What content is in my system that will not be supported in future versions of BusinessObjects?

Mapping the Landscape

Question 1: What content in my BusinessObjects environment is not being used?

Why is this important?

- Migration and upgrade readiness
- System performance and optimization
- License management
- Security and compliance
- User adoption and experience

How to achieve?

- Extract complete list of report inventory in BusinessObjects
- Identify reports that have not been viewed, scheduled, refreshed in 6-12 months
- Evaluate what Universes have not had reports run against them in 6-12 months
- Review Users who have not logged in or accessed reports in 6-12 months



Mapping the Landscape

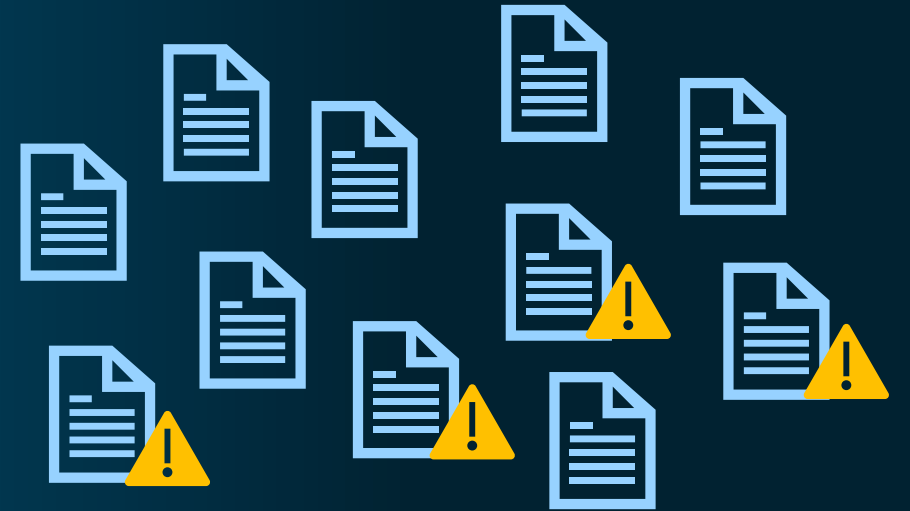
Question 2: What content will not be supported in future versions of BusinessObjects?

Why is this important?

- Upgrade planning
- Avoid downtime/breakage
- Reduce technical debt
- Align with SAP roadmap

How to achieve?

- Review SAP's official product roadmap
- Inventory all content types in your BusinessObjects environment
- Identify deprecated or legacy content
- Identify what content will need to be brought forward, and what can be removed



Mapping the Landscape

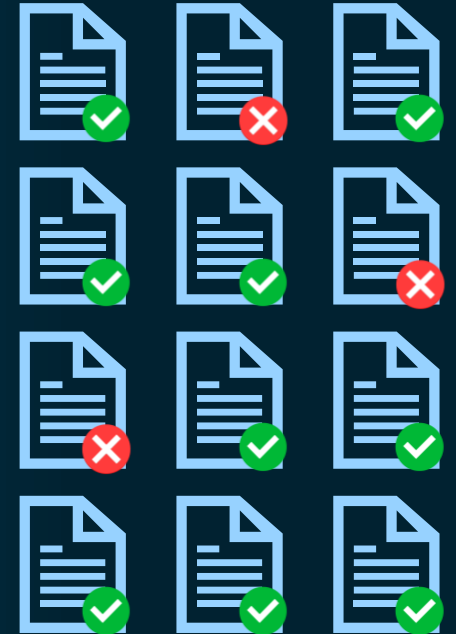
Question 3: How can I develop a complete listing of the report and dashboard content and identify which still aligns with my business needs?

Why is this important?

- Enforce data accuracy and relevance
- Reduce redundancy across business units
- Improve change management
- Support internal audit and controls

How to achieve?

- Inventory full report list and prioritize high value content (critical operational vs ad-hoc)
- Map content to business functions
- Engage business stakeholders



Mapping the Landscape – Why is it hard to achieve?

Query Builder

- Static and web based
- Difficult for data extraction and reporting



Mapping the Landscape – Why is it hard to achieve?

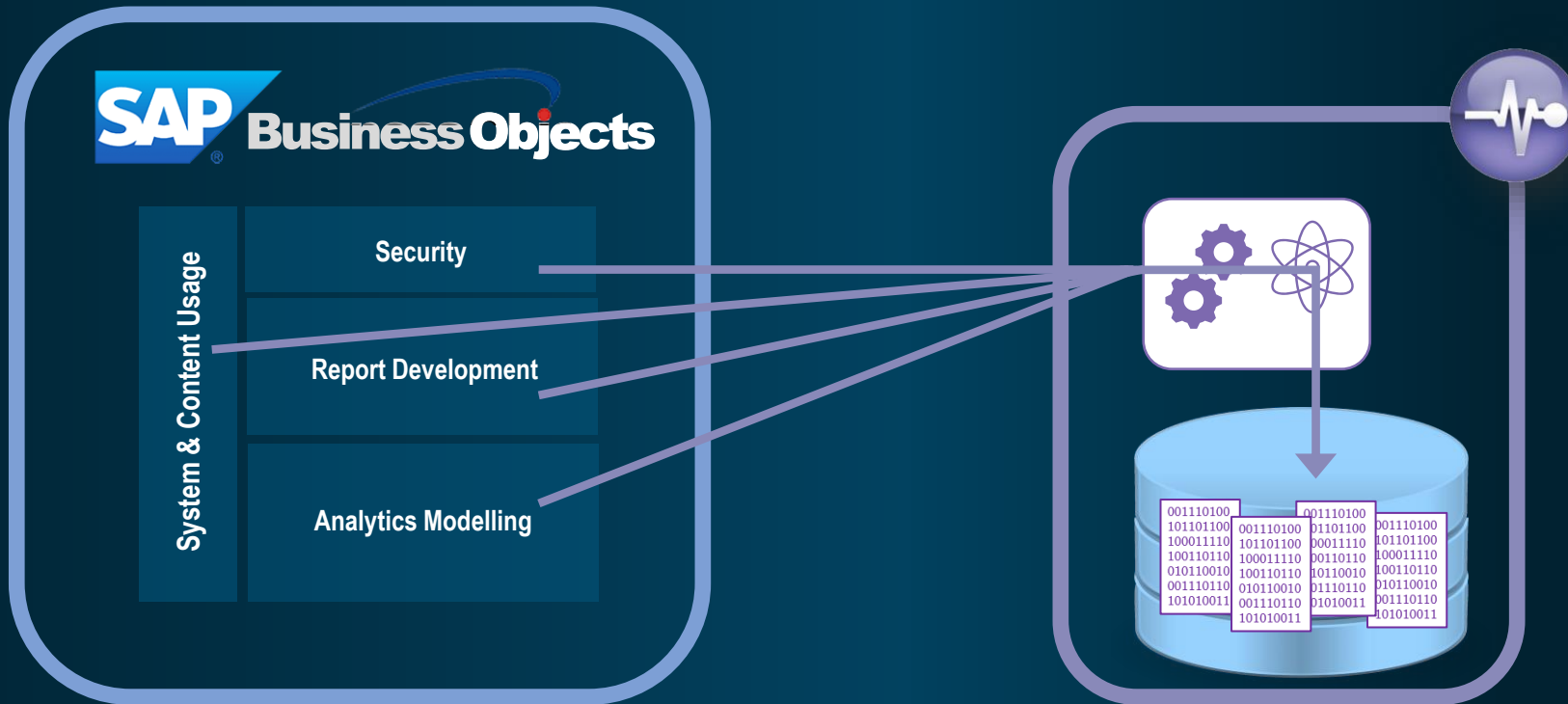
CMS & Audit DB Querying

- Databases are segregated
- Complex schemas, difficult to extract what you need
- No out-of-box reporting
- Requires deep technical knowledge

The screenshot displays the 'Central Management Console' interface. At the top, there is a dropdown menu set to 'Auditing'. Below this, the 'Status Summary' section provides key metrics: 'ADS Last Updated On' is 9/16/25 11:26:40 AM EDT, 'Auditing Thread Utilization (%)' is 1, and 'Last Polling Cycle Duration (Seconds)' is 180. To the right, system information includes 'CMS Auditor' (BI43SP3FW.CentralManagementServer), 'ADS Database Connection Name' (BI_Audit), and 'ADS Database User Name' (sa). The 'Set Events' section features a horizontal slider with five positions: Off, Minimal, Default, Complete, and Custom. Below this, a list of 'Common Events' (View, Refresh, Prompt, Create, Delete, Modify, Save, Search, Edit, Run, Deliver, Retrieve, Logon, Logout, Trigger, Recycle, Restore) and 'Platform Events' (Auditing Modification, Custom Access Level Modified, Rights Modification) are shown with checkboxes. On the right side, the 'Set Event Details' section includes checkboxes for 'Query', 'User Group Details', 'Folder Path Details', 'Rights Details', and 'Property Value Details'. The 'Configuration' section contains the 'ADS Database' settings, including 'Connection Name' (BI_Audit), 'Type' (Microsoft SQL Server), 'Use Windows Authentication' (unchecked), 'User Name' (sa), and 'Password' (masked). It also includes a 'Delete Events Older Than (Days)' field set to 36500 and a checked 'ADS Auto Reconnect' option.

Mapping the Landscape – APOS Insight

Capture System + Content Metadata



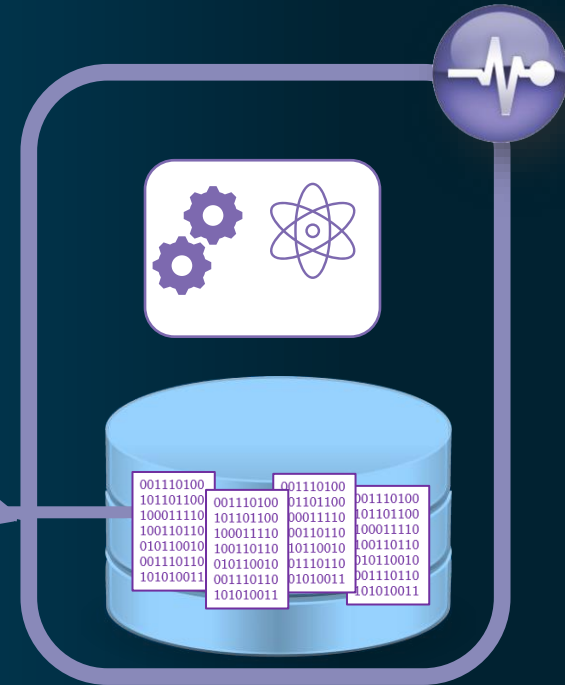
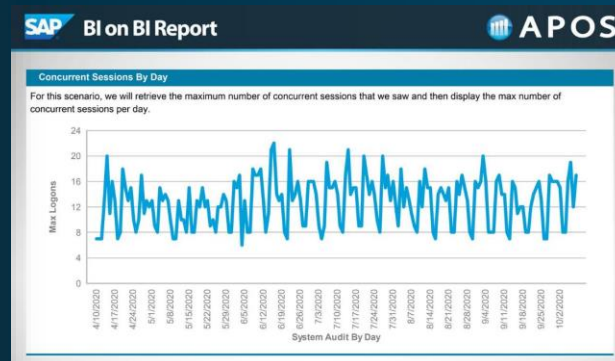
Mapping the Landscape – APOS Insight

Analyze System + Content Metadata

APOS Insight

List Objects by Type for System: PRODUCTION

Object Type	Number of Objects	Folder	Folder	Folder	% Name
ClientAction	405	AdminConsole	AggWorkshop1: S400Application	4054	BI Administration Console
Web	126	AdminTool	AggWorkshop1: S400Application	508	Security Query Export
Report	126	AdminTool	AggWorkshop1: S400Application	622	Update Authentication Group Membership
Folder	84	AdminTool	AggWorkshop1: S400Application	631	Update Authentication Group Membership and User Access
ClientActionUsage	88	AdminTool	AggWorkshop1: S400Application	4083	Principal File Import
ClientActionSet	86	AdminTool	AggWorkshop1: S400Application	534	Alerting
MON ManageEntityStatus	28	AdminTool	AggWorkshop1: S400Application	4390	Analysis Office
COS DataConverter	15	AdminTool	AggWorkshop1: S400Application	4408	BI workspaces
PlatformSearchContentLike	10	AlertingApp	AggWorkshop1: S400Application	4461	Automation Framework
TextTemplate	10	AD Plugin	AggWorkshop1: S400Application	4392	BEX BEVWeb
MON Profile	9	AppFoundation	AggWorkshop1: S400Application	4519	Commentary Application
OSL MetadataFile	8	AutomationFramework	AggWorkshop1: S400Application	4362	BI Administrator Cockpit
PlatformSearchQueue	8	AggWorkshop1: S400Application	AggWorkshop1: S400Application	4502	CMC
WorkflowTemplate	7	AggWorkshop1: S400Application	AggWorkshop1: S400Application	4533	InfoView
LOMJob	6	BEX BEVWeb	AggWorkshop1: S400Application		
PlatformSearchSearchAgent	5	BICommentaryApplication	AggWorkshop1: S400Application		
Web	5	BIAdmin	AggWorkshop1: S400Application		
Metadata MetadataReports	5	BIAP Application	AggWorkshop1: S400Application		
MON MBeanConfig	5	BIAP Application	AggWorkshop1: S400Application		
Universe	5	BIAP Application	AggWorkshop1: S400Application		



APOS Insight

Schedules - Inactive Report

977 Reports not scheduled in the last 365 days. As of latest scan date: 2015-02-11 07:27:54

Folder: /N-Management

Report Name	Type	Create Date	Owner	Data Source	Last Updated
Manufacturing Report 1	Report	2014-12-17 20:20:46	Administrator	Original: http://resources.businessobjects.com/sapreport/ManufacturingReport1.univ	2014-12-18 13:25:46

Folder: /Z-Sales

Report Name	Type	Create Date	Owner	Data Source	Last Updated
Manufacturing Report 1	Report	2014-12-17 20:20:46	Administrator	Original: http://resources.businessobjects.com/sapreport/ManufacturingReport1.univ	2014-12-18 13:25:46

Folder: /Z-Support

Report Name	Type	Create Date	Owner	Data Source	Last Updated
Manufacturing Report 1	Report	2014-12-17 20:20:46	Administrator	Original: http://resources.businessobjects.com/sapreport/ManufacturingReport1.univ	2014-12-18 13:25:46

Folder: /A-Reynold Industries Reports

Report Name	Type	Create Date	Owner	Data Source	Last Updated
CEO Report 1	Report	2015-01-15 11:43:43	Administrator	Cosmos: C:\Program Files (x86)\SAP Business Objects\APOS\BusinessObjects Enterprise\APOS\APOS.univ	2015-01-15 11:43:43

APOS

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APOS Insight

Universe List with Reports

Universe Folder and Name	Report Name	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/APOS insight/insight4 - SQL Server	37	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/APOS insight/insight4 - Oracle	36	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	35	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	34	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	33	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	32	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	31	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	30	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	29	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	28	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	27	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	26	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	25	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	24	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	23	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	22	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	21	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	20	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	19	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	18	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	17	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	16	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	15	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	14	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	13	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	12	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	11	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	10	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	9	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	8	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	7	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	6	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	5	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	4	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	3	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	2	Report Folder Location	Report Name	Report Owner	Report File Size
Universe/Samples/afshat.univ	1	Report Folder Location	Report Name	Report Owner	Report File Size

Mapping the Landscape – How APOS can help

Question 1: What content in my BusinessObjects environment is not being used?

 APOS Insight
Unused Reports Summary by Folder
Date Range from: 1/1/2023 12:00:00 AM to 6/27/2024 8:14:13 PM

/APOS CR Change/Converted/March29_2017C

Report ID	Report Name	Report Type	Owner	Activity
2,040,382	City Sales Report	Crystal	Administrator	Unused
2,040,383	County Sales Report.rpt	Crystal	Administrator	Unused

/APOS CR with Brand New Report

Report ID	Report Name	Report Type	Owner	Activity
414,680	XtremeSalesByCountryRegion	Crystal	Administrator	Unused

/_APOS Insight Audit Test

Report ID	Report Name	Report Type	Owner	Activity
6,087,370	Sales by Country	Webi	Administrator	Unused
6,087,371	Product Sales by Country	Webi	Administrator	Unused
6,087,372	Sales By Country	Crystal	Administrator	Unused
6,087,373	eFashion Sales By State	Webi	Administrator	Unused
6,087,374	Sales for Country by Region	Webi	Administrator	Unused
6,087,375	APOS Sales	Webi	Administrator	Unused
6,087,376	City Sales Report	Crystal	Administrator	Unused

 APOS Insight
User Logon Activity

Date Range: 11/1/2012 12:00:00 AM to 2/20/2019 12:00:00 AM

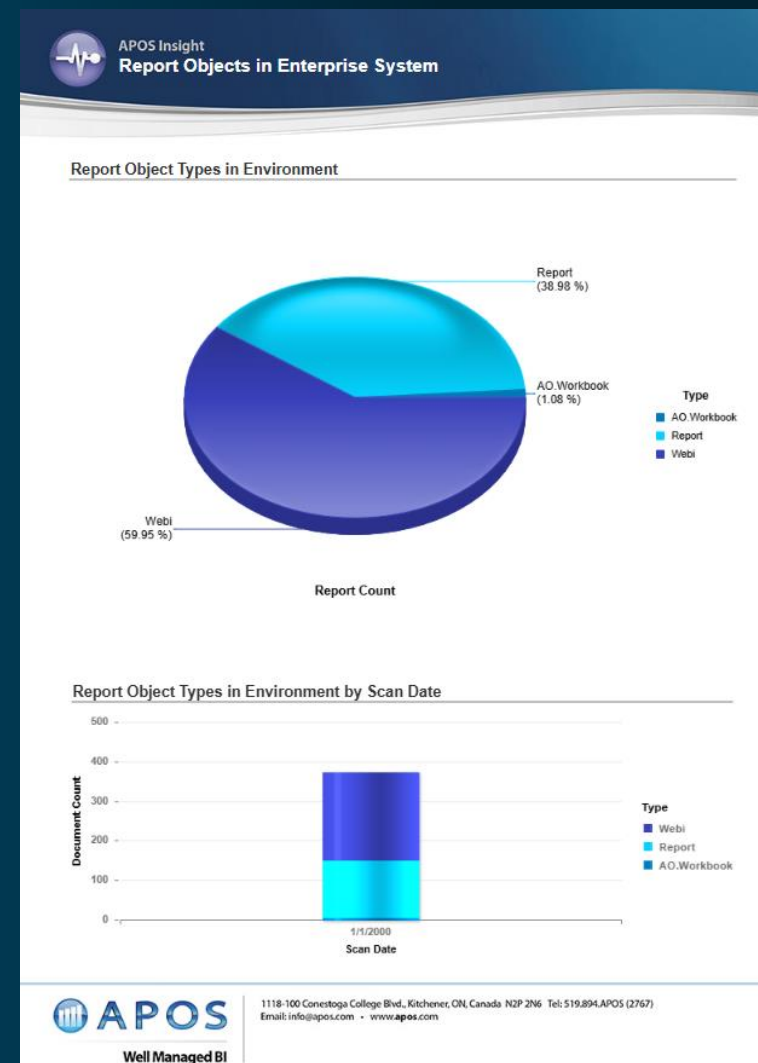
System: ProductionAG

User Name	Last Logon	Logon Count
	1/30/2019 7:29:39 PM	1,716
Administrator	2/4/2019 1:58:26 AM	215,816
AG-08R2	11/23/2018 1:48:40 PM	6
APOS Distribution Server	12/12/2018 8:29:02 AM	1,766,678
Harold	1/18/2019 9:10:45 PM	13
Harry	1/30/2018 3:05:59 PM	28
InsightMon	7/12/2018 1:21:40 PM	7
Jimbo	1/29/2018 4:47:37 PM	77
Sarah	2/1/2019 6:51:54 PM	352
SYSTEM ACCOUNT	1/16/2019 2:10:16 PM	300

Mapping the Landscape – How APOS can help

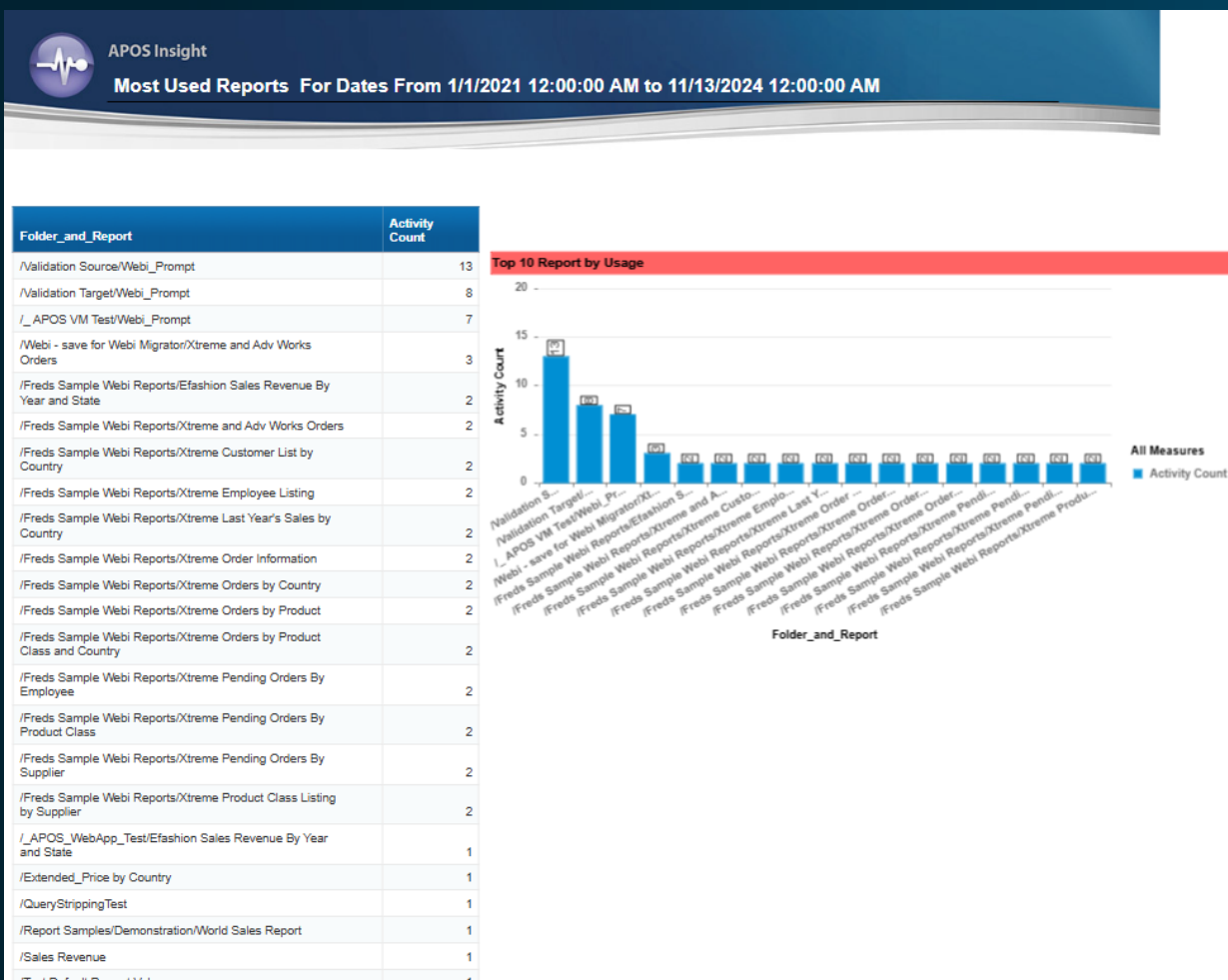
Question 2: What content will not be supported in future versions of BusinessObjects?

APOS Insight					
List Objects by Type for System: BI41SP6FW					
Object Type	Number of Objects	Object Type	Folder	1,329 Si Id	Si Name
Webi	540	AAD.AnalysisApplication	/APOS DS Dashboards	17467	Test1
Report	309	AAD.AnalysisApplication	/APOS DS Dashboards	19435	TestLogging
Folder	135	AAD.AnalysisApplication	/APOS DS Dashboards	24053	Test3
FavoritesFolder	77	AAD.AnalysisApplication	/APOS DS Dashboards	37397	GroupMembership
Inbox	77	AAD.AnalysisApplication	/APOS DS Dashboards	37519	Webi as Source
AAD.AnalysisApplication	68	AAD.AnalysisApplication	/APOS DS Dashboards	51542	Test_Spet14
Program	31	AAD.AnalysisApplication	/APOS DS Dashboards	51728	TestSQL
Pdf	21	AAD.AnalysisApplication	/APOS DS Dashboards	77242	SoftChoice
Agnostic	15	AAD.AnalysisApplication	/APOS DS Dashboards	78974	Oct23_2015
LCMJJob	10	AAD.AnalysisApplication	/APOS DS Dashboards	81194	Oct 27
MON.Probe	9	AAD.AnalysisApplication	/APOS DS Dashboards	82259	GE Test
ObjectPackage	9	AAD.AnalysisApplication	/APOS DS Dashboards	88771	Semantic Data Driver Test
VISILums	9	AAD.AnalysisApplication	/APOS DS Dashboards	88993	a
AO.Workbook	5	AAD.AnalysisApplication	/APOS DS Dashboards	89563	B
Excel	5	AAD.AnalysisApplication	/APOS DS Dashboards	90091	Test Webi as source
Publication	2	AAD.AnalysisApplication	/APOS DS Dashboards	100305	Nov 17 Webi as Source
DFS.Parameters	1	AAD.AnalysisApplication	/APOS DS Dashboards	104689	Nov 18
Hyperlink	1	AAD.AnalysisApplication	/APOS DS Dashboards	104716	faa_testing
LumsExtension	1	AAD.AnalysisApplication	/APOS DS Dashboards	107539	Nov 19 Webi as Source
PlatformSearchScheduling	1	AAD.AnalysisApplication	/APOS DS Dashboards	112223	Sales Against UNX
Shortcut	1	AAD.AnalysisApplication	/APOS DS Dashboards	112708	Nov 24 Webi as Data Source
Txt	1	AAD.AnalysisApplication	/APOS DS Dashboards	113733	Test Nov 26



Mapping the Landscape – How APOS can help

Question 3: How can I develop a complete listing of the report and dashboard content which still aligns with my business needs?



APOS Insight
Universe List with Reports

Universe Folder and Name	Number of Reports
Universes/APOS Insight/NIH_Xtreme_Cust_Orders_UNV	226
Universes/APOS Insight/Insight4 - SQL Server	55
Universes/APOS Insight/Insight4 - Oracle	38
Universes/Xtreme/XtremeUNV	36
Universes/webi universes/eFashion	31
Universes/Xtreme/Fred_Xtreme_Universe	30
Universes/Monitoring TrendData Universes/eFashion	26
Universes/Xtreme/Xtreme_Customers	9
Universes/eFashion.unx	7
Universes/APOS IDAC Reporting/IDAC_BusinessLayer.unx	5
Universes/Fred/Xtreme_Customers	4
Universes/Xtreme/ConvertedMay3/XtremeUNV.unx	4
Universes/Xtreme/Fred_Xtreme_Universe.unx	4
Universes/Xtreme/Northwind_IDAC	4
Universes/Xtreme/Xtreme.unx	4
Universes/IDAC/Xtreme_IDAC_BusLayer.unx	3

Report Folder Location	Report Name	Report Owner	Report File Size
/APOS Multi Source Webi/	MultiSource	Administrator	58415
/APOS RPB Reports/AO and Webi to XLS/	A1_SalesByCountry	Administrator	26745
/APOS RPB Reports/Sales Reports Pkg/	A1_SalesByCountry	Administrator	26745
/APOS Sales Reports/	A1_SalesByCountry	Administrator	26745
/APOS Sales Reports/	Sales_With_Projection	Fred	27680
/C1_Source_Reports/	C1_Sales_Report_01	Administrator	26516
/C1_Source_Reports/	C1_Sales_Report_02	Administrator	26526
/C1_Source_Reports/	C1_Sales_Report_03	Administrator	26519
/C1_Source_Reports/	C1_Sales_Report_04	Administrator	26518

Mapping the Landscape – How APOS can help

Impact Analysis – Webi, Universe, Crystal Reports

 **APOS Insight**
Webi Impact Analysis

Searched for Table: All Tables
Searched for Column: System_Name

Folder: /APOS Insight Reports/SQL Server

Report Name	Universe Name	Table Name	Column Name
Audit - User Logon Activity	Insight4 - SQL Server	"Audit Logon Count"	System_Name
Audit - User Logon Activity Data	Insight4 - SQL Server	"Audit User Events"	System_Name
Schedules - Inactive Reports	Insight4 - SQL Server	"Objects by Days"	System_Name
Schedules - Usage Report	Insight4 - SQL Server	"Objects by Days"	System_Name
System - Connection Count	Insight4 - SQL Server	AP_ConnectionCount	System_Name
Universe - Class Objects	Insight4 - SQL Server	"Universe Classes"	System_Name
Universe - Content	Insight4 - SQL Server	"Universe Tables"	System_Name
Universe - Impact Analysis Fields	Insight4 - SQL Server	"Universe Tables"	System_Name
Universe - Reports Using Universe	Insight4 - SQL Server	"Universe Reports"	System_Name
Who deleted what?	Insight4 - SQL Server	"Audit User Events"	System_Name

Folder: /Mercy Health

Report Name	Universe Name	Table Name	Column Name
Successful Reports	Insight4 - SQL Server	MercyHealth	System_Name

Folder: /SAP OEM

Report Name	Universe Name	Table Name	Column Name
Audit - User Logon Activity	Insight4 - SQL Server	"Audit Logon Count"	System_Name
System - Connection Count	Insight4 - SQL Server	AP_ConnectionCount	System_Name

 **APOS Insight**
Search for Fields Used in Crystal Reports

Search for Fields like: Customer_ID
Element Types: All Element Types

Element Type: DBFields

Customer.Customer_ID

Report Name	Report ID	Location
CEO Report 1	5556	/4-Reynold Industries Reports
Finance Report 1	5347	/4-Reynold Industries Reports
Finance Report 6	5507	/4-Reynold Industries Reports
Management Report 1	5436	/4-Reynold Industries Reports
Management Report 6	5490	/4-Reynold Industries Reports
Manufacturing Report 1	5227	/4-Reynold Industries Reports
Manufacturing Report 1	23471	/1-Management
Manufacturing Report 1	23482	/2-Sales
Manufacturing Report 1	23490	/3-Support
Regional Sales Report 1	5370	/4-Reynold Industries Reports
Regional Sales Report 2	5390	/4-Reynold Industries Reports
World Sales Report 1	5979	/4-Reynold Industries Reports

dataroot/Customer_Query.Customer_ID

Report Name	Report ID	Location
Sales Report 3	6036	/4-Reynold Industries Reports
World Sales Report 3	5548	/4-Reynold Industries Reports

dataroot/Orders_Query.Customer_ID

Report Name	Report ID	Location
Sales Report 3	6036	/4-Reynold Industries Reports
World Sales Report 3	5548	/4-Reynold Industries Reports

Performance Evaluation – What's involved?

Ensuring your system is running optimally *before* migration

Performance evaluation objectives:

- Are reports being used interactively or scheduled?
Could scheduling reduce load?
- Do we have long-running or inefficient queries?
- Are there high-impact users consuming disproportionate resources?
- How healthy are our servers? Is CPU or RAM maxing out during peak use?



Performance Evaluation – What Customers Ask!

Are my services configured correctly or are there changes and optimizations that should be made?

Am I still running an appropriate hardware configuration, or do I need to add additional servers?

Is my hardware still sufficient for CPU and RAM given current workloads?

How well is my operating system functioning?

Have I installed and configured BusinessObjects most effectively?

How well are my universe queries running? How can I better control my queries? What are query processing times? What are query record sizes and how is this affecting performance?

How can I track system performance and identify potential issues in advance of them happening?

Performance Evaluation

Question 1: How well are my universe queries running? How can I better control my queries? What are query processing times? What are query record sizes and how is this affecting performance?

Why is this important?

- Prevent database/BusinessObjects resource overload
- Improve report performance and user experience
- Identify bottlenecks in query processing
- Control query record sizes



How to achieve?

- Monitor and audit queries generated from Webi reports
- Analyze Webi report statistics – number of rows, query runtime
- Get alert notifications when queries are running longer than expected

Performance Evaluation

Question 2: Is my hardware still sufficient for CPU and RAM given current workloads?

Why is this important?

- Support growing workloads
- Minimize downtime risks and prevent bottlenecks
- Improve report and query execution times for business
- Support product upgrades and compatibility



How to achieve?

- Continuously monitor system RAM and CPU usage over time
- Identify patterns – Java is causing high RAM usage; Scheduling is overloading CPU
- Get alert notifications when CPU and RAM usage is high over a period of time

Performance Evaluation

Question 3: How can I track system performance and identify potential issues in advance of them happening?

Why is this important?

- Ensure report delivery and user report experience
- Maintain SLAs and prevent outages
- Reduce troubleshooting and root cause analysis
- Puts you in a proactive state rather than a reactive state

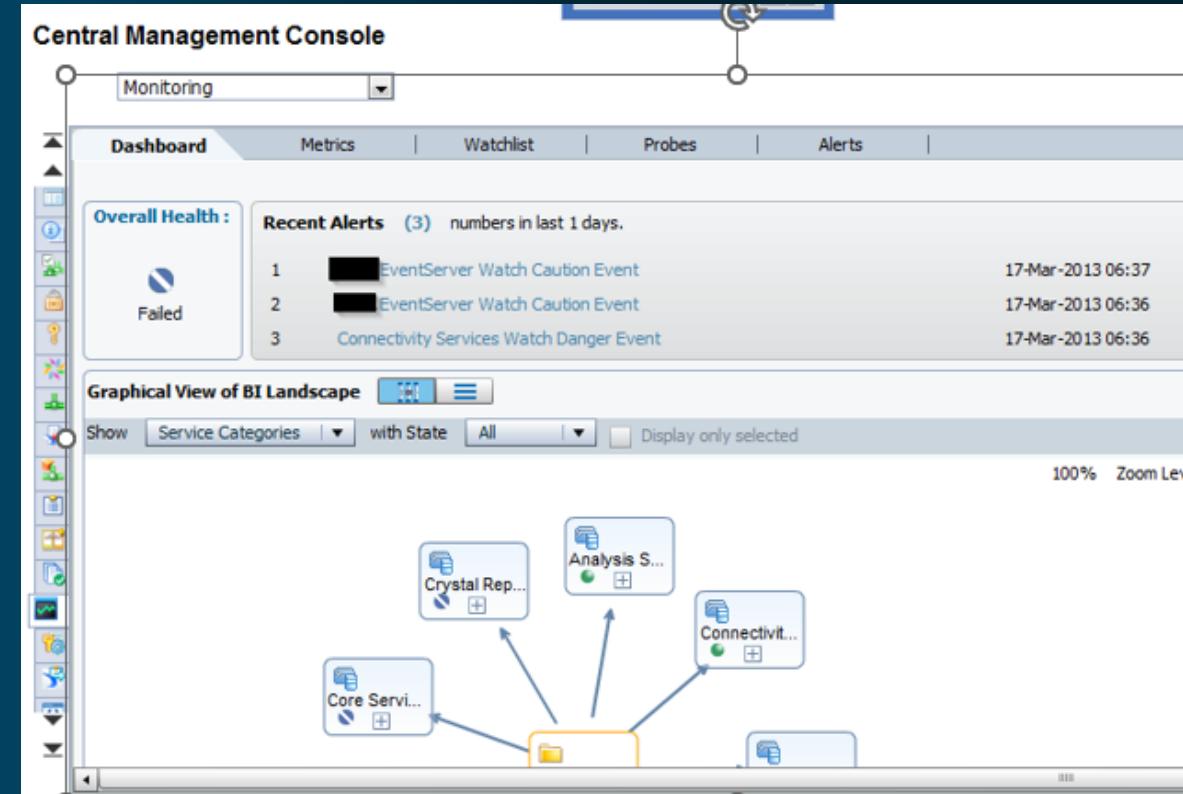
How to achieve?

- Audit and report your resource usage to identify patterns
- Monitor resource usage before it becomes critical



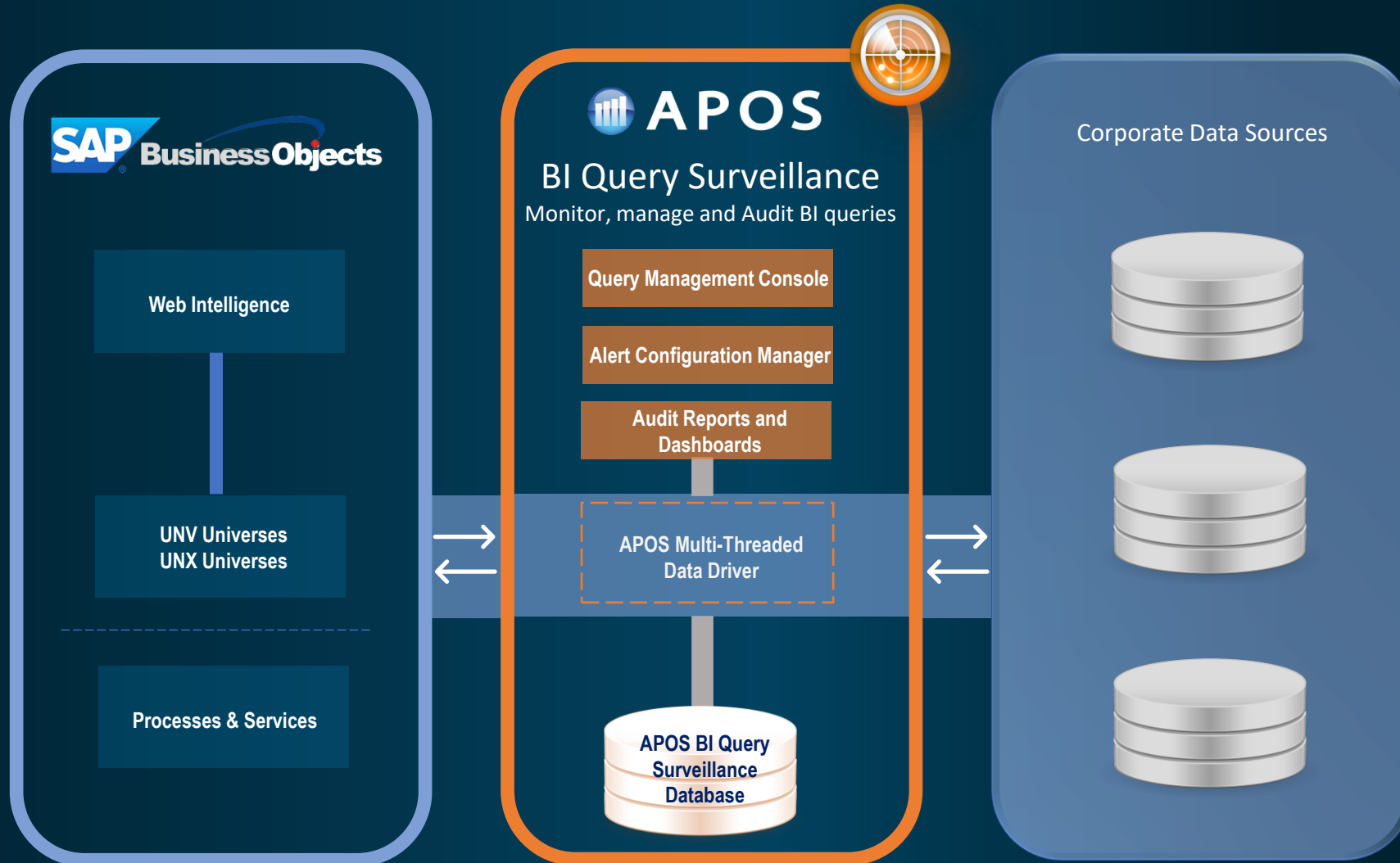
Performance Evaluation – Why is it hard to achieve?

- **Limited Native Monitoring Tools**
Monitoring Tool in CMC is basic and lacks granularity
- **Lack of Query Auditing Granularity**
Audit DB logs user activity but does not log individual queries generated from reports/universe
- **No Native Historical Resource Usage Tracking**
BusinessObjects doesn't natively store historical CPU/RAM usage data
- **Complex Architecture**
BusinessObjects is a multi-tier platform (CMS, WACS, APS etc.) making it difficult to correlate issues across layers



Performance Evaluation – APOS Insight

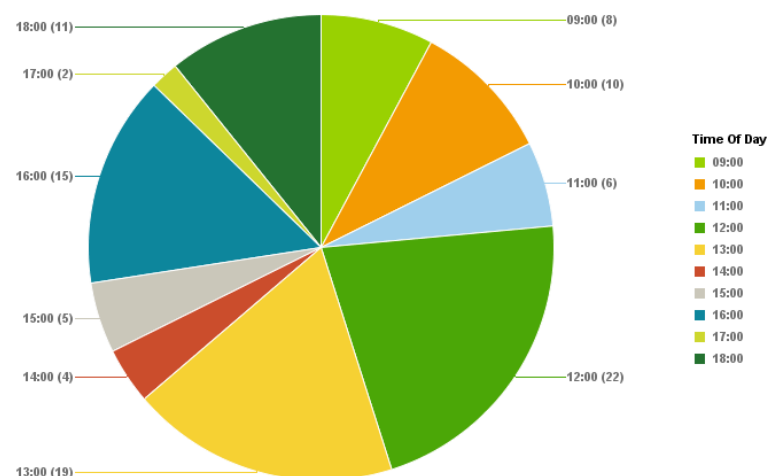
APOS BI Query Governance



Performance Evaluation – How APOS can help

Question 1: How well are my universe queries running? How can I better control my queries?
What are query processing times? What are query record sizes and how is this affecting performance?

Queries by Time of Day



09:00

Query Date-Time	BO_User	Document_Name	Universe_Name
12/18/2015 9:21:50 AM	Administrator	Xtreme_IDAC_Test	Xtreme_IDAC_BusLayer
12/18/2015 9:24:33 AM	Administrator	Xtreme_IDAC_Test	Xtreme_IDAC_BusLayer
12/18/2015 9:25:44 AM	Administrator	Xtreme_IDAC_Test	Xtreme_IDAC_BusLayer
12/18/2015 9:27:09 AM	Administrator	Xtreme_IDAC_Test	Xtreme_IDAC_BusLayer
12/18/2015 9:27:43 AM	Fred	Xtreme_IDAC_Test	Xtreme_IDAC_BusLayer
12/18/2015 9:44:48 AM	Fred	Xtreme_IDAC_Test	Xtreme_IDAC_BusLayer
12/18/2015 9:49:33 AM	Fred	Xtreme_IDAC_Test	Xtreme_IDAC_BusLayer
3/1/2016 9:13:28 AM	Fred	NorthwindTestAgainstUNV	Northwind_IDAC

Query Analysis - Compare Ratio of Duration to Rows Read

IDAC_Customer_Tracking

Document_Name	Query Date-Time	Query_Rows_Read	Query_Duration	Ratio Duration to Rows Read
IDAC Customer Tracking	11/16/2016 2:37:57 PM	269	2,794	10.39
IDAC Customer Tracking	11/16/2016 3:13:34 PM	269	3,714	13.81
IDAC_Customer_Tracking.ur	3/21/2017 1:22:47 PM	269	2,731	10.15
IDAC_Customer_Tracking.ur	3/21/2017 1:22:50 PM	269	2,527	9.39
IDAC_Customer_Tracking.ur	3/21/2017 1:22:52 PM	269	2,561	9.52
IDAC_Customer_Tracking.ur	3/21/2017 1:22:55 PM	233	2,526	10.84
IDAC_Customer_Tracking.ur	3/21/2017 1:22:58 PM	256	2,549	9.96
IDAC_Customer_Tracking.ur	3/21/2017 1:23:00 PM	5	2,225	445
IDAC_Customer_Tracking.ur	3/21/2017 1:23:03 PM	5	2,224	444.8
IDAC_Customer_Tracking.ur	3/21/2017 1:23:05 PM	248	2,531	10.21
IDAC_Customer_Tracking.ur	3/21/2017 1:23:08 PM	269	2,493	9.27
IDAC_Customer_Tracking.ur	3/21/2017 1:23:10 PM	70	2,325	33.21
IDAC_Customer_Tracking.ur	3/21/2017 1:23:13 PM	205	2,423	11.82
IDAC_Customer_Tracking.ur	3/21/2017 1:23:15 PM	175	2,426	13.86
IDAC_Customer_Tracking.ur	3/21/2017 1:23:18 PM	71	2,323	32.72
IDAC_Customer_Tracking.ur	3/21/2017 1:23:20 PM	256	2,427	9.48
IDAC_Customer_Tracking.ur	3/21/2017 1:23:23 PM	269	2,563	9.53
IDAC_Customer_Tracking.ur	3/21/2017 1:23:26 PM	1	2,223	2,223
IDAC_Customer_Tracking.ur	3/21/2017 1:23:28 PM	269	2,529	9.4
IDAC_Customer_Tracking.ur	3/21/2017 1:23:31 PM	269	2,524	9.38
IDAC_Customer_Tracking.ur	3/31/2017 12:25:16 PM	269	2,829	10.52
IDAC_Customer_Tracking.ur	3/31/2017 12:25:19 PM	269	2,527	9.39
IDAC_Customer_Tracking.ur	3/31/2017 12:25:21 PM	269	2,536	9.43
IDAC_Customer_Tracking.ur	3/31/2017 12:25:24 PM	233	2,531	10.86
IDAC_Customer_Tracking.ur	3/31/2017 12:25:26 PM	256	2,451	9.57
IDAC_Customer_Tracking.ur	3/31/2017 12:25:29 PM	5	2,222	444.4
IDAC_Customer_Tracking.ur	3/31/2017 12:25:31 PM	5	2,222	444.4

Performance Evaluation – How APOS can help

Question 2: Is my hardware still sufficient for CPU and RAM given current workloads?

APOS Insight Admin - Process Tracking Management

Process Tracking Management

Please define the process you would like to monitor:

Machine Name:

Number of Cores:

Process Name:

Process Metrics | Process Down Notification

NumOfInstances (0 - 9)
Threads.Count (0 - 10)
TotalProcessorTime (0 - 20000)
VirtualMemorySize64 (0 - 10024)

Process Metrics Management

Please define the metric you would like to monitor:

Metric Name:

From Value: To Value:

Alert Raised | Alert Cancelled

Raise an alert after seconds of the metric being out of range ☒ Log to database

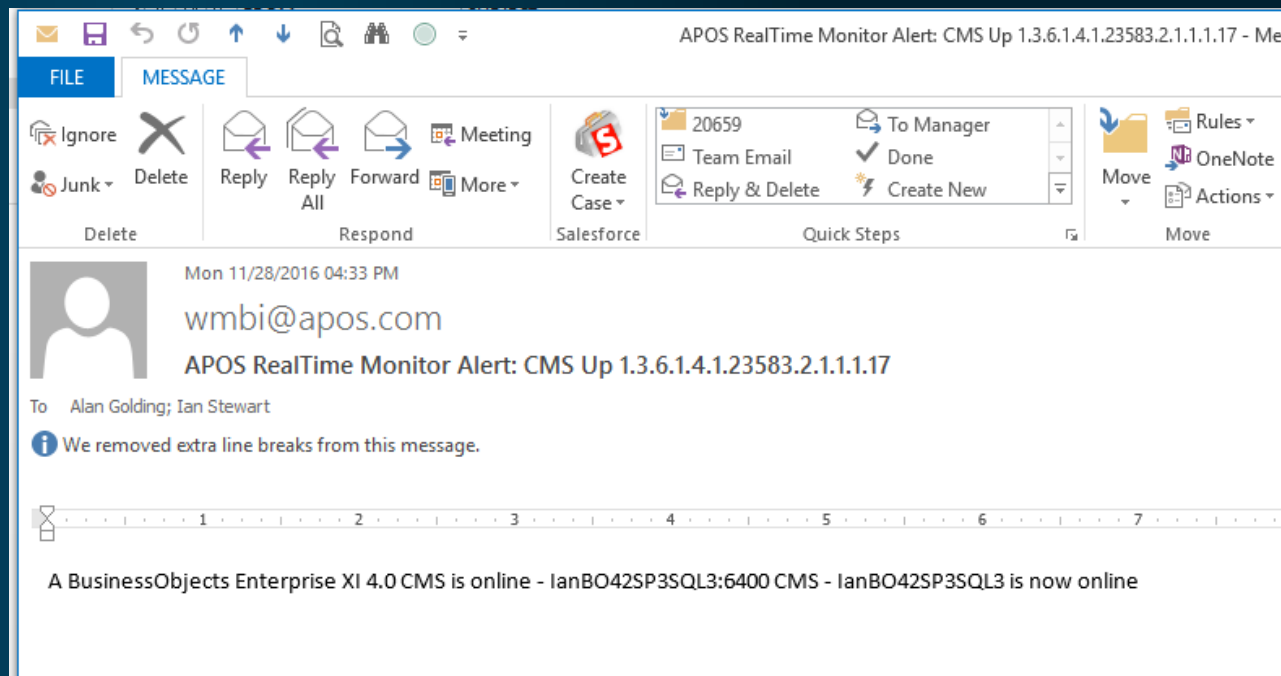
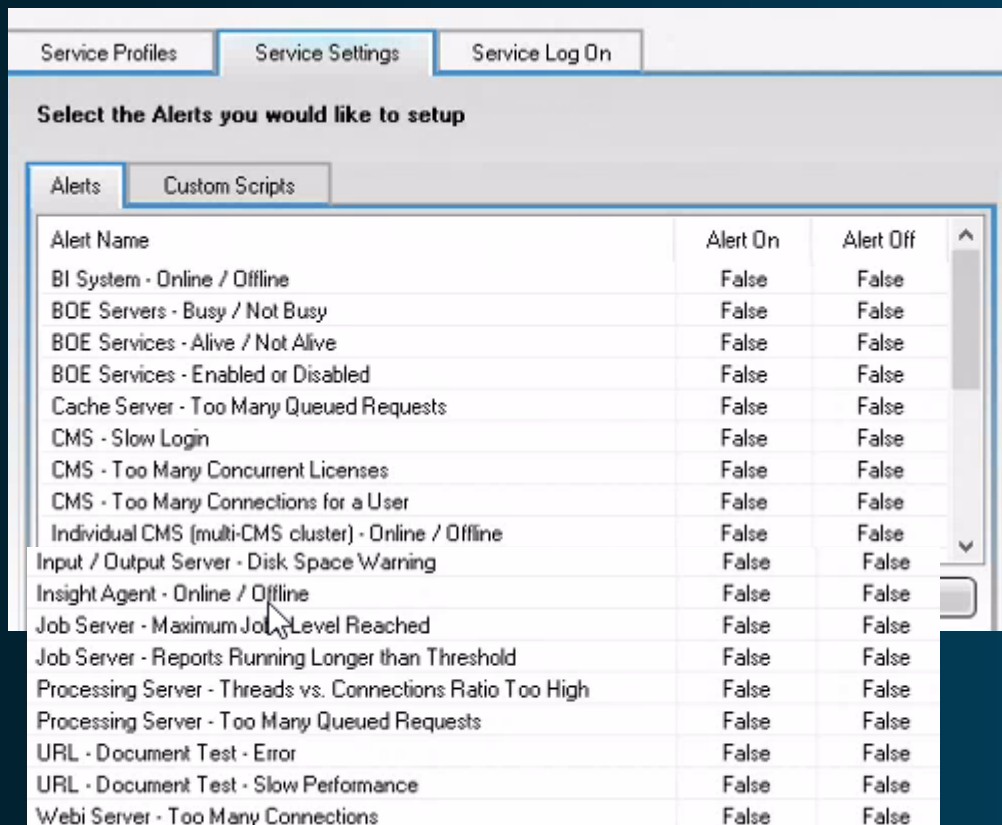
☒ Email when the alert is raised
Email Addresses:

☒ Run a script when the alert is raised
Script Path:

☒ Send an SNMP Trap when the alert is raised
SNMP Profile:

Performance Evaluation – How APOS can help

Question 3: How can I track system performance and identify potential issues in advance of them happening?



Proactive Stability – How to execute!

Keeping your system *stable* for the long haul

Proactive stability tasks:

- Setting up alerts when services exceed thresholds
- Automating service restarts
 - for example, restarting Tomcat if memory usage gets too high
- Using logs to identify recurring patterns that may cause instability



Proactive Stability – What Customers Ask!

What factors are impacting my system stability and what can I do to improve those factors and system stability?

How can I be alerted when threshold conditions exist within my system?

How can I configure my system to restart key services when defined situations and thresholds occur within my system?

What are the early warning signs of future issues that may impact my BusinessObjects environment?

How can I predict report performance issues before Users report it to us?

How can I track license usage and prevent overconsumption?

Proactive Stability

Question 1: What factors are impacting my system stability and what can I do to improve those factors and system stability?

Why is this important?

- Business continuity
- Operational efficiency
- Compliance and governance
- Protect SLAs

How to achieve?

Document and create a BusinessObjects proactive stability policy

- Load management strategy
- Job scheduling guidelines
- Threshold definitions
- Monitoring scope (which servers, services, etc.)



Proactive Stability

Question 2: How can I configure my system to restart key services when defined situations and thresholds occur within my system?

Why is this important?

- Minimizes downtime
- Reduces manual intervention and troubleshooting
- Cost efficiency

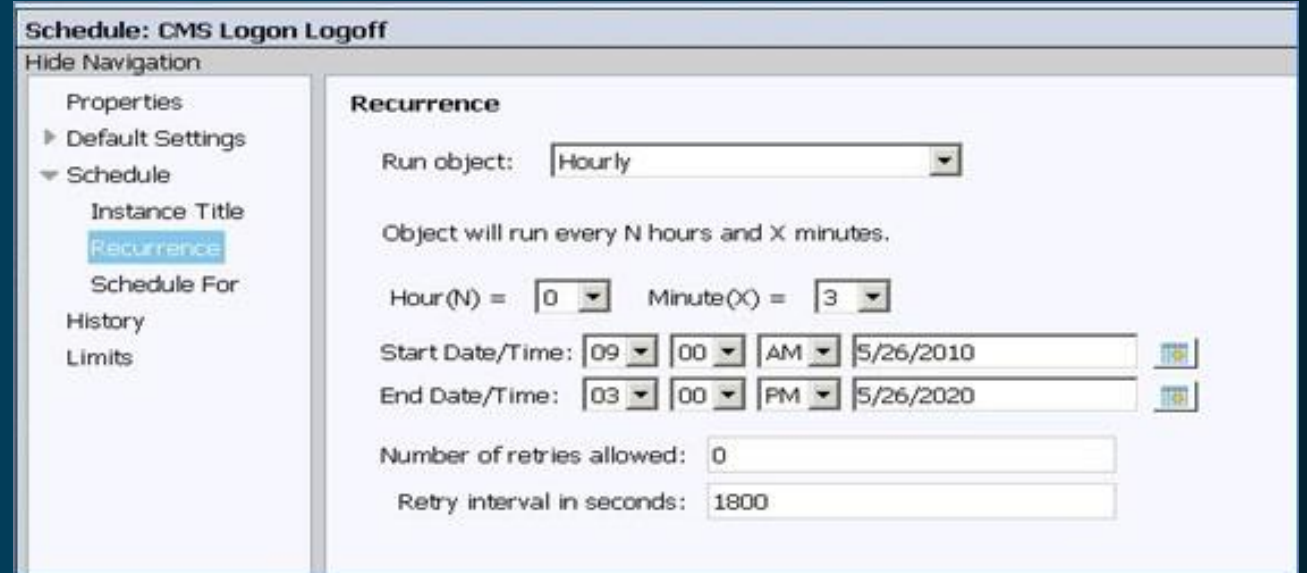


How to achieve?

- Enable automated server/service restarts when issues are found
- Set monitoring thresholds of critical services

Proactive Stability – Why is it hard to achieve?

- Limited Native Automation Tools
- Monitoring blind spots
- Resource intensive services
- External dependencies make it more complex (databases, hardware, etc.)



The screenshot shows a configuration window titled "Schedule: CMS Logon Logoff". On the left is a "Hide Navigation" pane with a tree view containing "Properties", "Default Settings", "Schedule", "Instance Title", "Recurrence" (highlighted), "Schedule For", "History", and "Limits". The main area is titled "Recurrence" and contains the following settings:

- Run object:
- Object will run every N hours and X minutes.
- Hour(N) = Minute(X) =
- Start Date/Time: 
- End Date/Time: 
- Number of retries allowed:
- Retry interval in seconds:

Proactive Stability – How APOS can help

Question 1: What factors are impacting my system stability and what can I do to improve those factors and system stability?

AP_ProcessName	AP_MachineName	AP_WorkingSet64	AP_PeakWorkingSet64	AP_NonpagedSystemMemorySize64	AP_PagedMemorySize64	AP_PeakPagedMemorySize64
CMS	BI41SP6FW	1896308736	1898602496	3630920	1979637760	1984098304
ConnectionServer	BI41SP6FW	52170752	52715520	59848	26972160	28131328
ConnectionServer32	BI41SP6FW	55693312	55742464	77488	38260736	38326272
crystalras	BI41SP6FW	55095296	55918592	52416	35717120	36687872
JobServer	BI41SP6FW	26816512	27656192	24768	12574720	14180352
spoolsv	BI41SP6FW	19046400	19046400	29320	10227712	10342400
tomcat7	BI41SP6FW	1387855872	1396719616	41072	1608851456	1608884224
WIRReportServer	BI41SP6FW	57655296	57700352	51448	46723072	49254400

Proactive Stability – How APOS can help

Question 1: What factors are impacting my system stability and what can I do to improve those factors and system stability?

Instance Tracking Management

Please enter the tracking information:

System Name:	BOE CMS1	
Notification Type:	Send Email	
BOE Profile:	Administrator login	
Instance Threshold:	15	(number of failed instances before notification is sent)

Message Information:

Email To:	netops@boe.com	
Title:	There are 15 or more failed instances in your BOE environment	
Message:		
Message Header:	Please pay attention, there are 15 or more failed instances on your BOE environment. This could be caused by - Job Server is down, having issues - Connection details on the reports are incorrect - CMS is down	
Message Includes:	☒ Report Name ☒ Start Time ☒ End Time ☒ Error Message ☒ Parameter Values ☒ Selection Formula (Crystal Reports Only) ☒ Frequency ☒ Submitter	

SNMP Settings

☒ Send an SNMP Trap using Profile:	Solarwinds SNMP
--	-----------------

Proactive Stability – How APOS can help

Question 2: How can I configure my system to restart key services when defined situations and thresholds occur within my system?

Metric Name:

From Value: To Value:

Alert Raised | Alert Cancelled

Raise an alert after seconds of the metric being out of range ☒ Log to database

☒ Email when the alert is raised

Email Addresses:

☒ Run a script when the alert is raised

Script Path:

☒ Send an SNMP Trap when the alert is raised

SNMP Profile:



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 Query Surveillance

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

APOS Insight Admin						
Please Add/Edit and Remove the Insight services you wish to use						
Service Name	Service Type	Status	User Account	SAP BI Login Profile	SAP Database Profile	SAP
Audit Auditing Scan	APOS Insight Audit	Stopped	LocalSystem	APOS Insight	CMS	BOE
Audit Insight Scan	APOS Insight Report Ext Info	Stopped	LocalSystem	APOS Insight	CMS	BOE
Audit Instances Scan	APOS Insight Instances	Stopped	LocalSystem	APOS Insight	CMS	BOE
Audit Objects Scan	APOS Insight Objects	Stopped	LocalSystem	APOS Insight	CMS	BOE
Audit Schedules Scan	APOS Insight Schedules	Stopped	LocalSystem	APOS Insight	CMS	BOE
Audit Security Scan	APOS Insight Security	Stopped	LocalSystem	APOS Insight	CMS	BOE
Audit System Scan	APOS Insight System	Stopped	LocalSystem	APOS Insight	CMS	BOE
Audit UNV Scan	APOS Insight UNV Universes	Stopped	LocalSystem	APOS Insight	CMS	BOE
Audit Webi Scan	APOS Insight Webi	Stopped	LocalSystem	APOS Insight	CMS	BOE
Monitoring BOE	APOS Insight Agent	Stopped	LocalSystem	< Default Profile >	< Default Profile >	< De
Monitoring Database	APOS Insight Database Monitor	Stopped	LocalSystem	APOS Insight	CMS	BOE
Monitoring EventLog	APOS Insight EventLog Monitor	Stopped	LocalSystem	< Default Profile >	< Default Profile >	< De
Monitoring File-Folder	APOS Insight Audit	Stopped	LocalSystem	< Default Profile >	< Default Profile >	< De
Monitoring Instances	APOS Insight Instance Monitor	Stopped	LocalSystem	< Default Profile >	< Default Profile >	< De
Monitoring Processing	APOS Insight Process Monitor	Stopped	LocalSystem	< Default Profile >	< Default Profile >	< De
Monitoring Schedules	APOS Insight Schedule Monitor	Stopped	LocalSystem	< Default Profile >	< Default Profile >	< De
Monitoring Sessions	APOS Insight Session Monitor	Stopped	LocalSystem	< Default Profile >	< Default Profile >	< De



APOS Insight

BI System Auditing

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APOS IDAC Console										
Logging Database										
Database Connection										
Log In Log Out										
Query Builder										
Real Time Query Edit Query...										
SELECT * FROM JDBC_Log WHERE dbuser <> 'bob' AND queryduration = -1										
Historical Query Edit Query...										
SELECT * FROM JDBC_Log WHERE bouser <> 'N/A' AND bouser <> 'Administrator' AND querydurati...										
Refresh Settings										
Auto Refresh 10 (sec.)										
Set Rate Refresh										
Actions For Selected										
Include Record										
Exclude Record										
ID	Date	BO User	DB User	OS User	Query	Error Message	Query Duration	D.	Read Duration	
51...	12/18/2015 9:27:43 AM	Fred	sa	BI41SP6FW\$	SELECT Xtreme.dbo.Customer.CustomerID, Xtr...		2103	0	2096	
56...	4/4/2016 10:22:37 AM	Fannie	sa	BI41SP6FW\$	SELECT NORTHWND.dbo.Orders.OrderID, N...		2650	0	2115	
5c...	4/27/2020 9:32:20 AM	APOS_Insight_User	sa	BI41SP6FW\$	SELECT DISTINCT Table__1."Region" FROM ...		2431	0	2397	
5f...	3/23/2016 4:51:36 PM	Fred	sa	BI41SP6FW\$	SELECT Xtreme.dbo.Customer.Country, Sum(Xt...		2390	0	2129	
65...	3/1/2016 9:13:28 AM	Fred	sa	BI41SP6FW\$	SELECT NORTHWND.dbo.Customers.Custome...		2644	0	2304	
66...	4/23/2020 4:52:54 PM	APOS_Insight_User	sa	Administrator	SELECT Table__6."CustomerID", Table__6."C...		2873	0	2837	
69...	9/20/2016 4:40:19 PM	Fred	sa	Administrator	SELECT NORTHWND.dbo.Customers.Custome...		2443	0	2416	
6f...	4/4/2016 3:40:30 PM	Bill	sa	BI41SP6FW\$	SELECT Xtreme.dbo.Customer.CustomerName, ...		34770	0	31967	
71...	5/7/2020 11:44:38 AM	APOS_Insight_User	sa	Administrator	SELECT Table__6."CustomerID", Table__6."C...		2889	0	2853	
75...	4/27/2020 9:32:06 AM	APOS_Insight_User	sa	BI41SP6FW\$	SELECT DISTINCT Table__1."ContactPosition...		2232	0	2149	
81...	4/27/2020 9:31:58 AM	APOS_Insight_User	sa	BI41SP6FW\$	SELECT DISTINCT Table__1."ContactFirstNa...		2740	0	2626	
96...	9/26/2016 10:06:28 AM	Fred	sa	Administrator	SELECT Table__1."CustomerID", Table__1."C...		2630	0	2622	
9c...	4/27/2020 9:32:12 AM	APOS_Insight_User	sa	BI41SP6FW\$	SELECT DISTINCT Table__1."Address1" FRO...		2659	0	2641	
9e...	4/27/2020 9:32:17 AM	APOS_Insight_User	sa	BI41SP6FW\$	SELECT DISTINCT Table__1."City" FROM "d...		2530	0	2458	
a2...	4/27/2020 9:31:49 AM	APOS_Insight_User	sa	BI41SP6FW\$	SELECT DISTINCT Table__1."CustomerID" F...		3138	0	3030	
a8...	4/4/2016 10:23:13 AM	Frank	sa	BI41SP6FW\$	SELECT Xtreme.dbo.Customer.CustomerID, Xtr...		2314	0	2111	
ad...	4/27/2020 9:32:23 AM	APOS_Insight_User	sa	BI41SP6FW\$	SELECT DISTINCT Table__1."Country" FROM...		2337	0	2258	
b5...	4/27/2020 9:32:31 AM	APOS_Insight_User	sa	BI41SP6FW\$	SELECT DISTINCT Table__1."WebSite" FRO...		2232	0	2146	
b6...	3/23/2016 4:57:17 PM	Fred	sa	BI41SP6FW\$	SELECT Xtreme.dbo.Customer.Country, Sum(Xt...		2269	0	2057	
c3...	4/4/2016 10:15:15 AM	Bob	sa	BI41SP6FW\$	SELECT Xtreme.dbo.Customer.CustomerID, Xtr...		2452	0	2216	
c7...	4/4/2016 10:15:43 AM	Betty	sa	BI41SP6FW\$	SELECT Xtreme.dbo.Customer.CustomerID, Xtr...		2159	0	2152	
ca...	4/27/2020 9:32:04 AM	APOS_Insight_User	sa	BI41SP6FW\$	SELECT DISTINCT Table__1."ContactTitle" F...		2230	0	2151	
cb...	3/23/2016 4:52:57 PM	Fred	sa	BI41SP6FW\$	SELECT Xtreme.dbo.Customer.Country, Sum(Xt...		2072	0	2067	
ce...	4/27/2020 9:32:28 AM	APOS_Insight_User	sa	BI41SP6FW\$	SELECT DISTINCT Table__1."Email" FROM ...		2620	0	2605	
dc...	4/27/2020 9:31:55 AM	APOS_Insight_User	sa	BI41SP6FW\$	SELECT DISTINCT Table__1."CustomerName...		2711	0	2691	
dc...	4/27/2020 9:32:33 AM	APOS_Insight_User	sa	BI41SP6FW\$	SELECT DISTINCT Table__1."Phone" FROM ...		2639	0	2615	
dd...	9/26/2016 11:15:15 AM	Fred	sa	Administrator	SELECT Table__6."CustomerID", Table__6."C...		2570	0	2545	
e2...	9/26/2016 11:16:58 AM	Fred	sa	Administrator	SELECT Table__6."CustomerID", Table__6."C...		2439	0	2427	
e5...	4/4/2016 10:14:10 AM	Bert	sa	BI41SP6FW\$	SELECT NORTHWND.dbo.Customers.Custome...		2212	0	2203	
e7...	4/27/2020 9:32:09 AM	APOS_Insight_User	sa	BI41SP6FW\$	SELECT DISTINCT Table__1."LastYearSales" ...		2633	0	2581	
e9...	11/16/2016 2:37:57 PM	Fred	sa	Administrator	SELECT Table__1."CustomerID", Table__1."C...		2794	0	2787	
ea...	4/4/2016 10:13:15 AM	Bill	sa	BI41SP6FW\$	SELECT NORTHWND.dbo.Customers.Custome...		2645	0	2331	
f4...	3/23/2016 4:53:00 PM	Fred	sa	BI41SP6FW\$	SELECT NORTHWND.dbo.Customers.Compan...		2498	0	2174	
ref...	4/27/2020 9:31:52 AM	APOS_Insight_User	sa	BI41SP6FW\$	SELECT DISTINCT Table__1."CustomerCreditl...		2638	0	2610	

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 Repoint Web Intelligence reports
- Success validation
- Controlled, project-based workflow



SAP BusinessObjects Operations Kit by APOS



SAP BusinessObjects Operations Kit Capabilities

BI System Auditing

BI System Monitoring

BI Report Testing

High Performance
Administration

Backup, Archive,
Restore, Versioning

Automate administration, testing, auditing, monitoring, storage and archiving, optimizing the performance, efficiency, compliance, and audit-readiness of your BI and Analytics deployment.

Leverage Enhanced Metadata Management and System Analysis

Utilize deep visibility into your system to maintain the reliability, accuracy, and governance of your SAP BI deployment, as well as the confidence of your information consumers.

Automate Backup, Archive & Restore Capabilities

Manage the document lifecycle, safeguard data privacy, and achieve regulatory compliance with automated and rules-based backup, archive, partial restoration of selected documents, automated system cleanup, versioning, promotion and system replication.

Automate Report Testing

Ensure your reports stay the same through environmental changes (database, universe, operating system/software upgrades), compliance, upgrade testing, and day-to-day testing.

Monitor and Audit BI System, Infrastructure, & Environment in Real-Time

Deep system introspection, which allows you to manage proactively and react quickly to events and issues to deliver operational governance and regulatory compliance.

Use Bulk Administration Capabilities

Simplify object promotion, replicate structures between source and target environments, manage security structures, automate large-scale system changes, automate repetitive activities, and recover rapidly from failures.

Automated
SAP BusinessObjects

Contact us to learn more:

[Get a free trial](#)

[Talk to an expert](#)





SAP BusinessObjects Upgrade Kit by APOS



SAP BusinessObjects Migrations and Upgrades

Streamline, simplify, safeguard, and accelerate your migration

Reduce risk, reduce cost, and increase the speed of your BI platform upgrade by simplifying, automating and streamlining key processes. Automation and tools accelerate and simplify the migration process, adding governance, validation, "right-sizing," and control with post-migration validation providing peace of mind with confirmation that the move is successful and fully tested.



Migration **PREPARATION**

Inventory, planning,
stabilizing, backup and
conversion



Migration **EXECUTION**

Bulk and automated
administration of schedules,
instances, security, and
synchronization



Content **VALIDATION**

Inventory and automated
testing to ensure successful
content move and optimal
system performance



Deployment **OPERATIONS**

Continuous ongoing system
monitoring /auditing of
content, usage, and sizing

Accelerate
migration

Contact us to learn more:

[Get a free trial](#)

[Talk to an expert](#)



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 UNIX format



HIGH VOLUME REPOINTING OF REPORTS

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



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 Publisher for 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

Multi-Platform Support

- Power BI broadcasting and scheduling
- Tableau broadcasting and scheduling
- Google Looker broadcasting and scheduling

Upcoming Event



Generate & Deliver Targeted Financial Reports - Automate & Scale

Join us for this session on how Publisher for Cloud helps finance teams reduce manual effort, enforce data governance, and improve reporting consistency across statutory, managerial, and group-level reporting scenarios.

October 16 - 11am EDT / 8am PDT / 4pm BST / 5pm CEST

Also available in Italian, Spanish, and German language sessions

Register now using link in Q&A panel or online at apos.com

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LINKEDIN

APOS Systems Inc.

Interested in learning more about
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!

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