

RIGHT-SIZING SAP BUSINESSOBJECTS FOR YOUR NEXT STEP



Today's Session

Key Topics

- Right-Size SAP BusinessObjects
- Rationalize
- Reduce
- Restructure
- Q&A see webinar console



Today's Presenters



ALLAN PYM

Chief Operating Officer



ALAN GOLDING

Solution Consulting Manager

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





MAPOS



SAP BusinessObjects



Hybrid BI



SAP Analytics Cloud



HOUSEKEEPING



You will have access to the slides via email



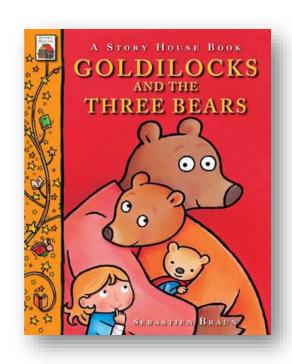
You will get the recording within 24 hours



Tell us how we did in the survey

Right Size



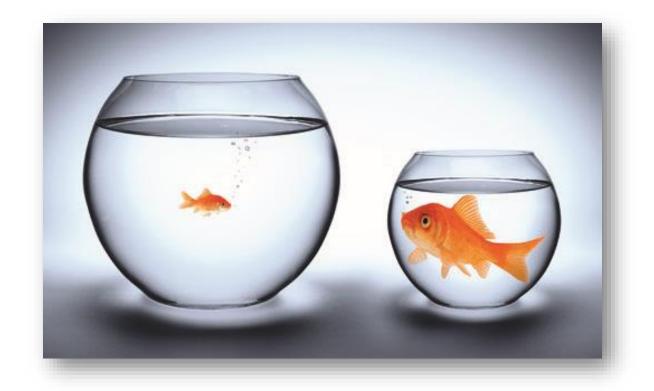






Right-Sizing





Rightsizing vs Downsizing



Adapting your SAP BusinessObjects deployment to suit changing needs

Content

Users

Licenses

Infrastructure













Next Step



Upgrade/ Migration

Move to Cloud server deployment

Consolidation of deployments

Expanding to SAP Analytics Cloud

Corporate restructuring

Corporate merger or acquisition

Hardware infrastructure upgrade

Moving use cases to another BI platform

Expanding to more business units







Right-size your SAP BusinessObjects Environment





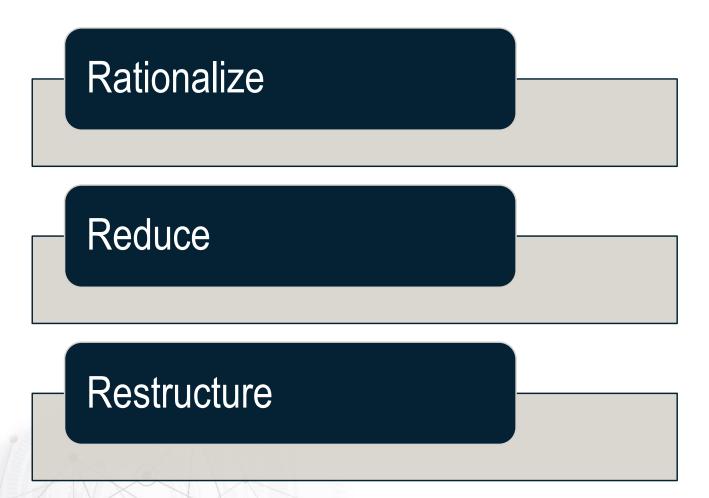


Alan Golding
Solution Consulting Manager
APOS



Right-Size Your BI Environment – 3 Steps







Rationalize

Assessing what is <u>necessary</u> and what is <u>unnecessary</u>:

- Content
- Users
- Licenses
- Infrastructure



Rationalize – Content

- What Reports are not being used?
- What Schedules/Instances are not relevant anymore?



Rationalize – Content





Universe Folder and Name	Number of Reports
Universes/APOS Insight/Insight4 - SQL Server	37
Universes/APOS Insight/Insight4 - Oracle	35
Universes/Samples/eFashion.unx	32
	14
Universes/Samples/Rio2016.unx	7
Universes/WebiMigratorUNX/WebiMigrator.unx	4
Universes/YuriTest.unx	2
/AposWorkshop1:6400/Application Folder/Root Folder 95/Connections/Insight4 - SQL Serve	1
Universes/Monitoring TrendData Universes/ Monitoring TrendData Universe	1
Universes/Report Conversion Tool Universes/ Report Conversion Tool Audit Universe	1
Universes/WebiMigrator/WebiMigrator	1

Universes/APOS Insight/Insight4 - SQL Server				
Report Folder Location	Report Name	Report Owner	Report File Size	
/APOS Insight Reports/SQL Server/	Audit - All Report Activity	Administrator	123211	
/APOS Insight Reports/SQL Server/	Audit - Objects Scheduled by User	Administrator	102515	
/APOS Insight Reports/SQL Server/	Audit - Reports Refreshed by User	Administrator	100472	
/APOS Insight Reports/SQL Server/	Audit - Unused Objects in Date Range	Administrator	88626	
/APOS Insight Reports/SQL Server/	Audit - User Logon Activity	Administrator	94653	
/APOS Insight Reports/SQL Server/	Audit - User Logon Activity Details	Administrator	101628	
/APOS Insight Reports/SQL Server/	Crystal - Search for Fields Used in Reports	Administrator	100847	
/APOS Insight Reports/SQL Server/	Crystal - Search for Tables Used in Reports	Administrator	100312	
/APOS Insight Reports/SQL Server/	Crystal - Structure	Administrator	100085	
/APOS Insight Reports/SQL Server/	Crystal - Summary	Administrator	144565	
/APOS Insight Reports/SQL Server/	Instances - Detail	Administrator	103991	
/APOS Insight Reports/SQL Server/	Instances - Historical	Administrator	107194	
/APOS Insight Reports/SQL Server/	Instances Status	Administrator	89286	
/APOS Insight Reports/SQL Server/	Object Listing - Content Types and Folders	Administrator	91423	

- What Universes do I have?
- What are my most used Universes?
- What Universes are not active?

Rationalize – Users/Groups

 Are there Users that no longer use BOE that exist in BOE?



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

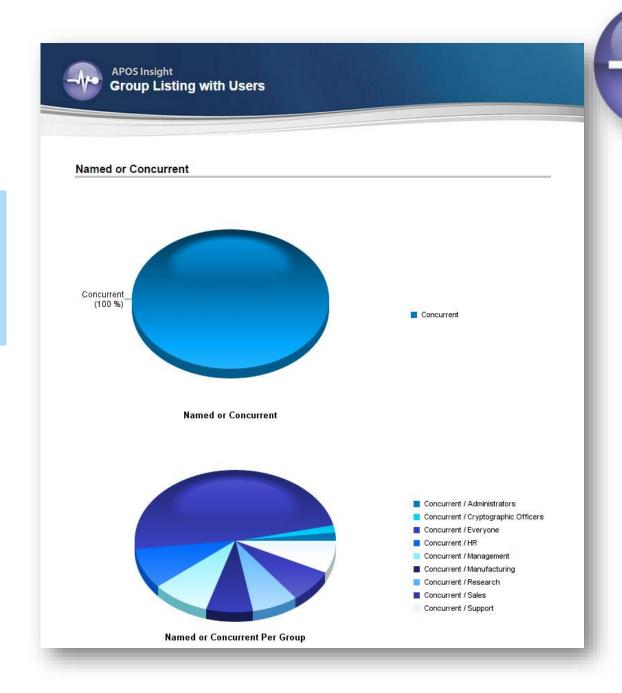
System: ProductionAG

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



Rationalize – Users/Groups

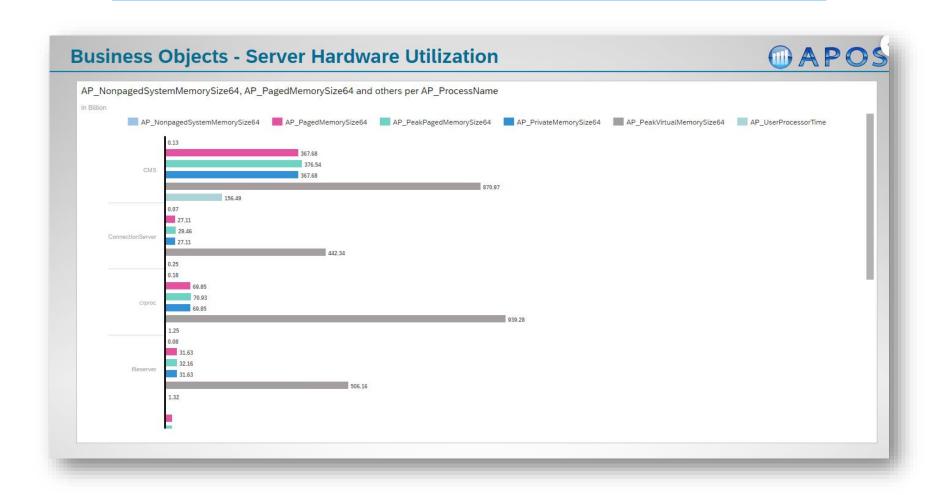
- How many Groups do I have?
- Can I reduce the amount of groups I have?
- Can I consolidate replicated groups?



Rationalize – Infrastructure

-1/-

- Are my BOE servers under heavy workload?
- Do I need to add more resources to support my infrastructure?



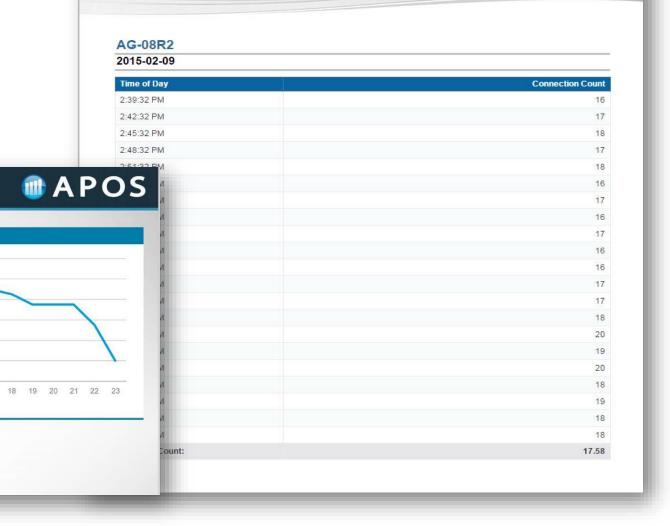
Rationalize – Licences

• What are User activity patterns?

System Audit Hour Of Day

Bl on Bl Report

User Logons By Hour



APOS Insight
Connection Count



Rationalize – Licenses

 What are my average license usage numbers through the day/week/month/year?





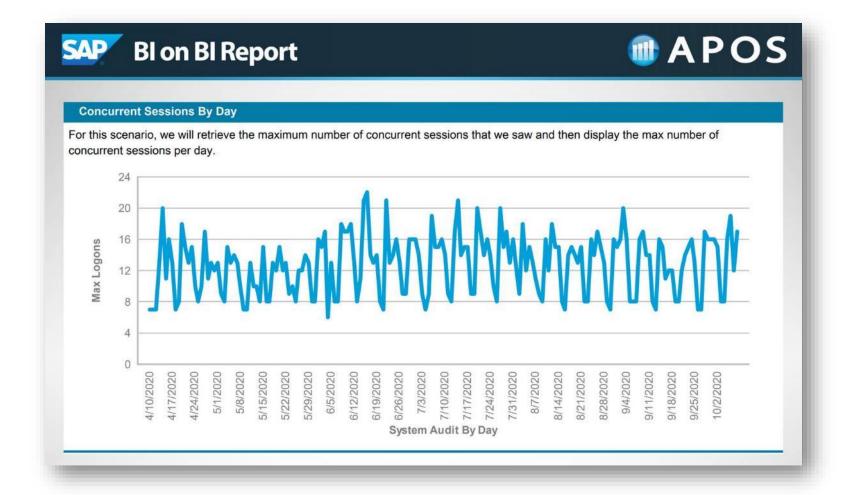
AG-08R2

2015-02-09

Time of Day	Connection Count
2:39:32 PM	16
2:42:32 PM	17
2:45:32 PM	18
2:48:32 PM	17
2:51:32 PM	18
2:54:32 PM	16
2:57:32 PM	17
3:00:32 PM	16
3:03:32 PM	17
3:06:32 PM	16
3:09:32 PM	16
3:12:32 PM	17
3:15:32 PM	17
3:18:32 PM	18
3:21:32 PM	20
3:24:32 PM	19
3:27:32 PM	20
3:30:32 PM	18
3:33:32 PM	19
3:36:32 PM	18
3:39:32 PM	18
Average Count:	17.58

Rationalize – Licences

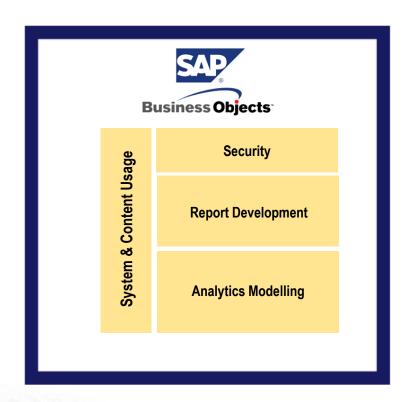
What are concurrent session activity highs and lows?

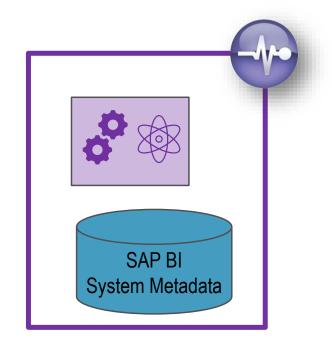




APOS Insight – SAP BI Knowledge

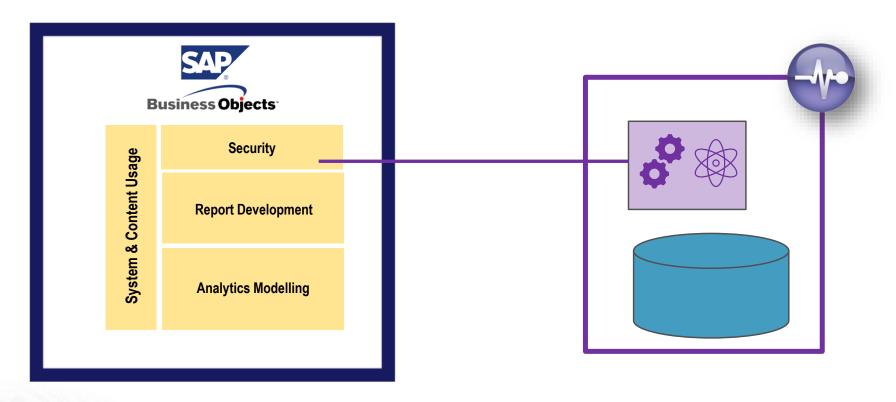






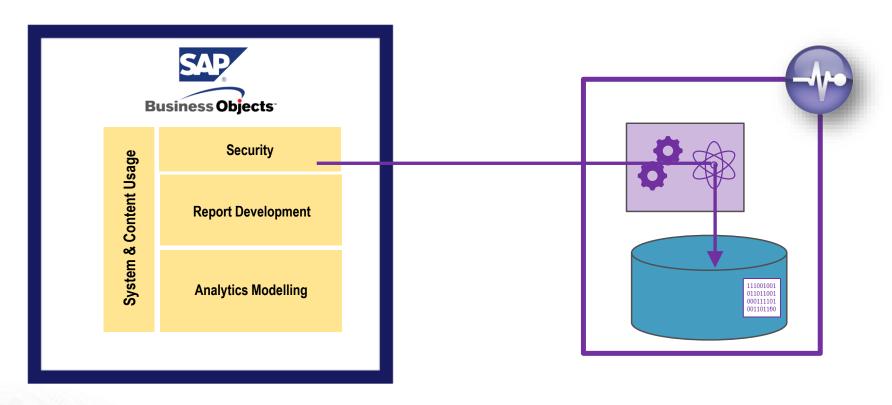






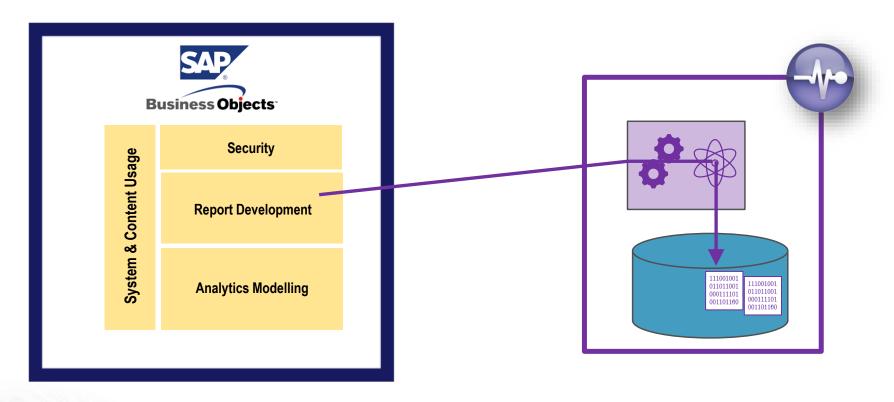






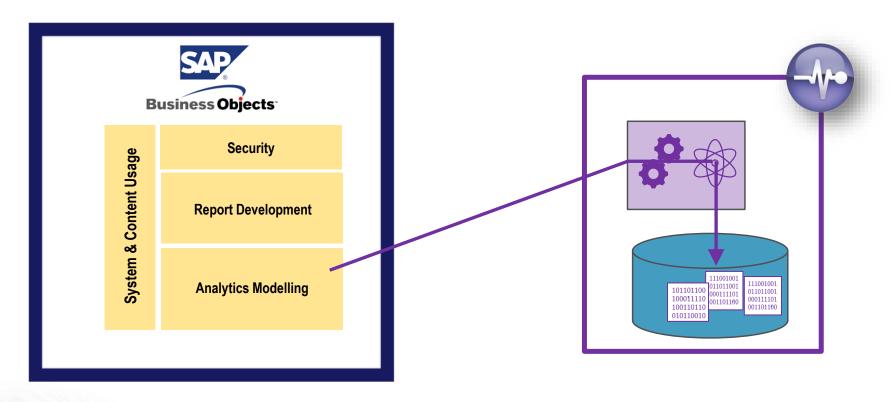






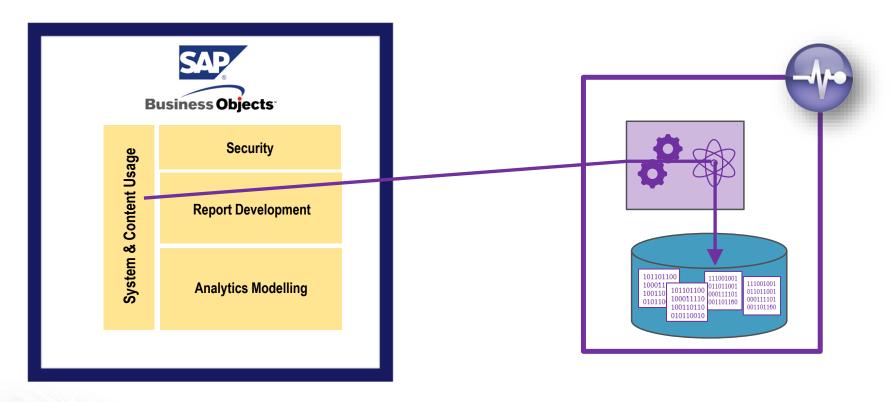








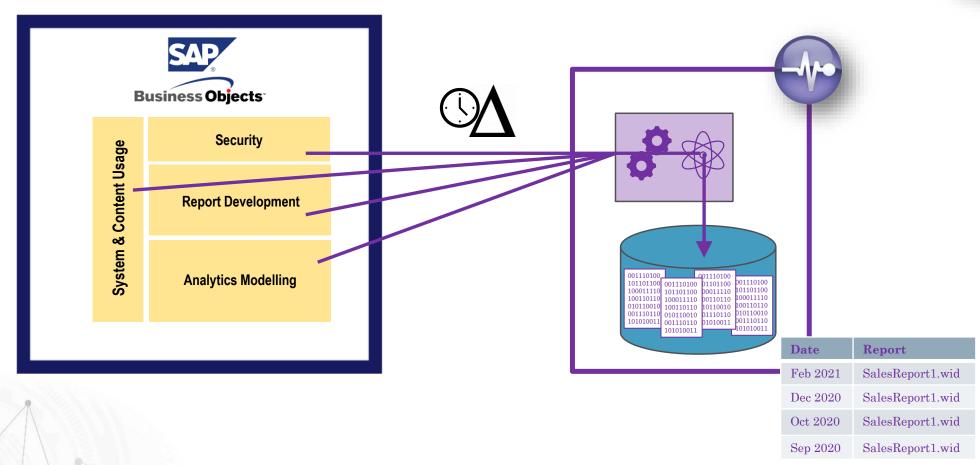






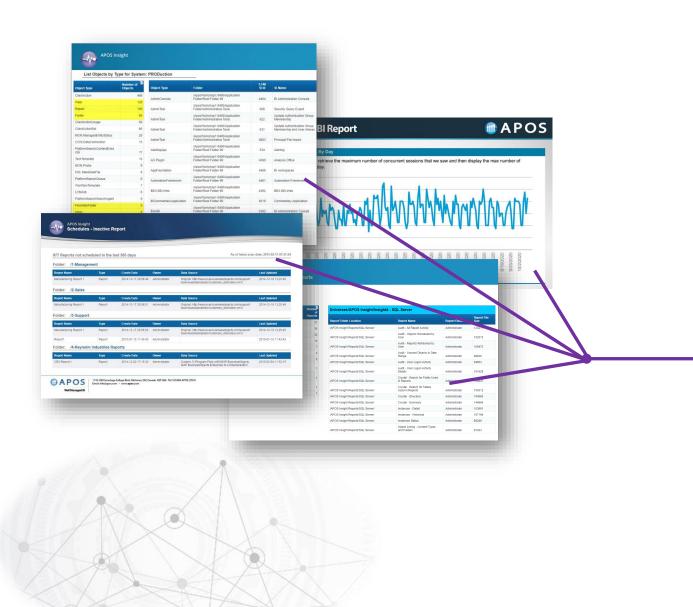
APOS Insight – System Metadata – Update Scans

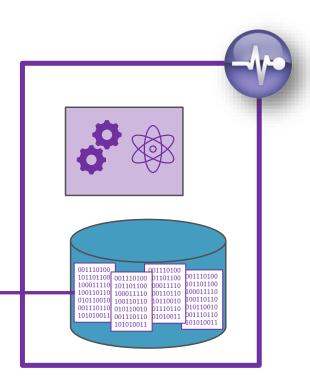




APOS Insight – System Analysis



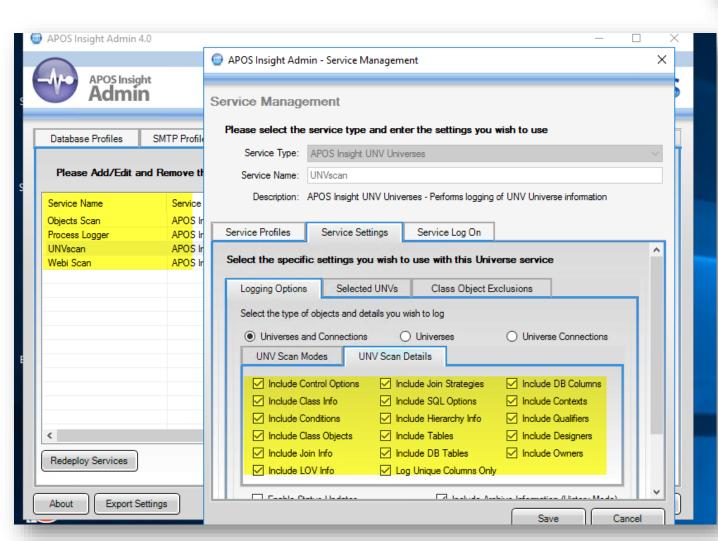




APOS Insight – screenshot

- Fully configurable APOS **Insight Services**
- Target in depth data in order to properly rationalize your environment







Reduce

Find and Remove unnecessary elements from system:

- . Content
- . Users







How to remove unnecessary elements?

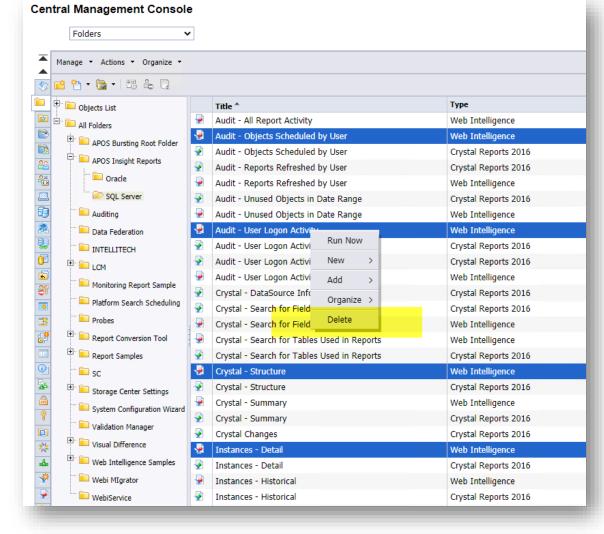
- Manual
 - Delete Reports, Universes
 - Delete Instances
 - Delete Users





How to remove unnecessary elements?

- Have to manually identify what to remove
- Have to manually remove content folder by folder







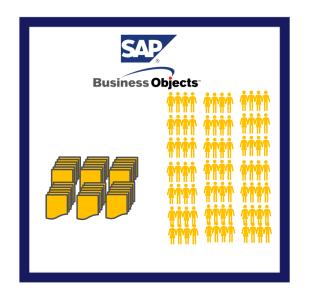
How to remove unnecessary elements?

- Manual
 - Delete Reports, Universes
 - Delete Instances
 - Delete Users
- Automated
 - Automated Cleanup Solution



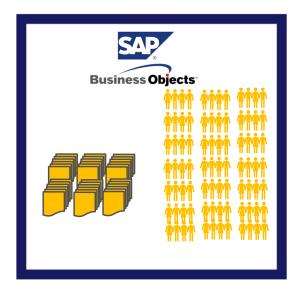


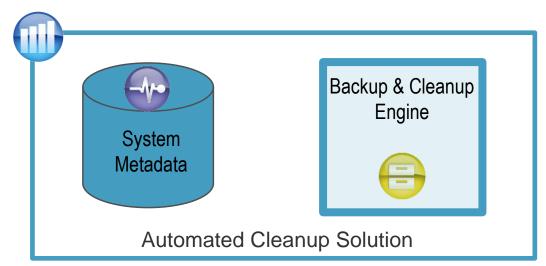
Automated System Clean-Up





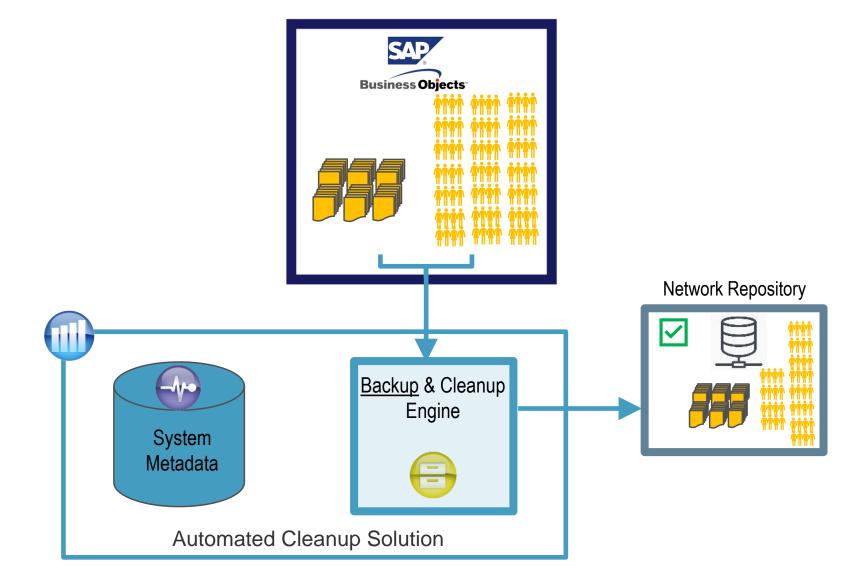
Automated System Clean-Up



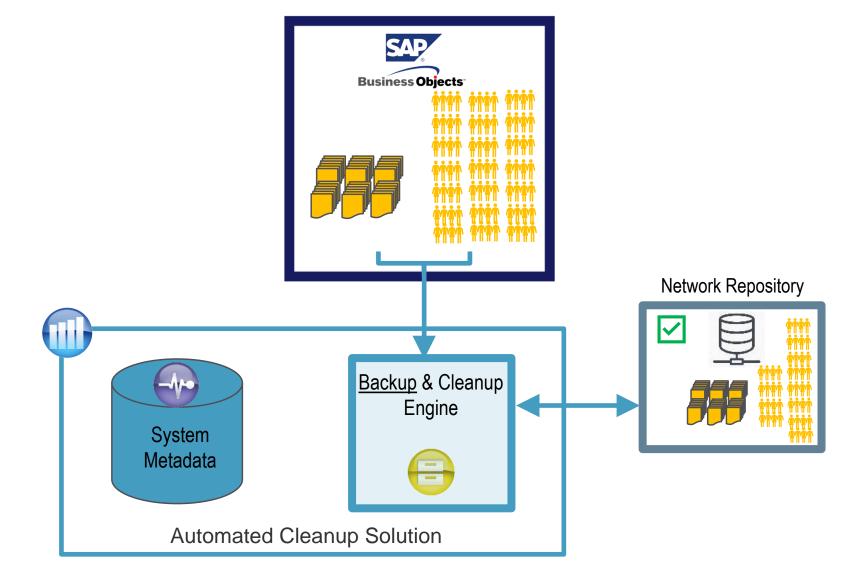


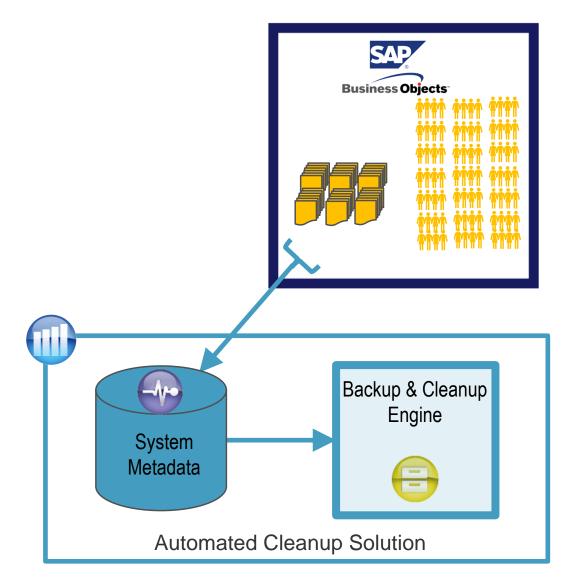




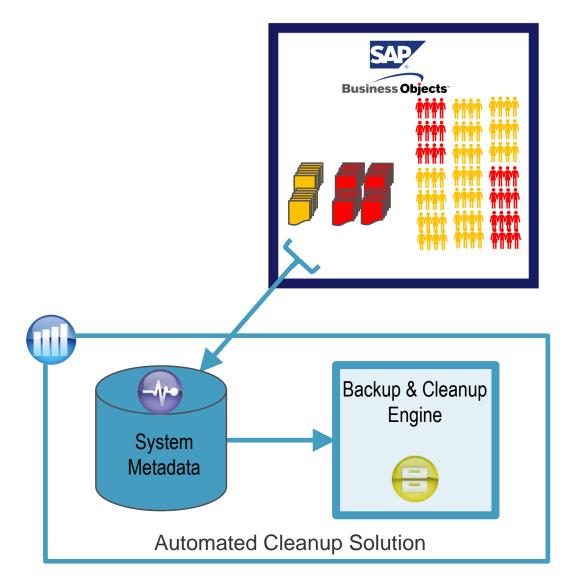






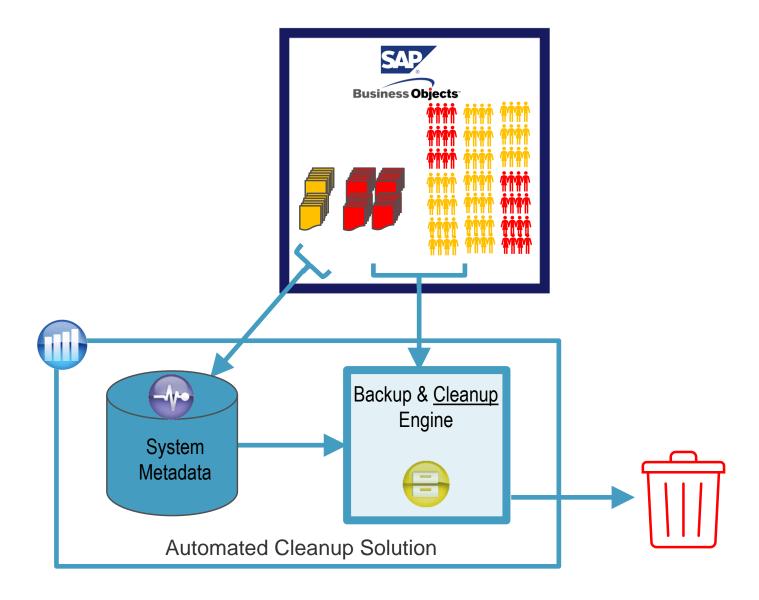




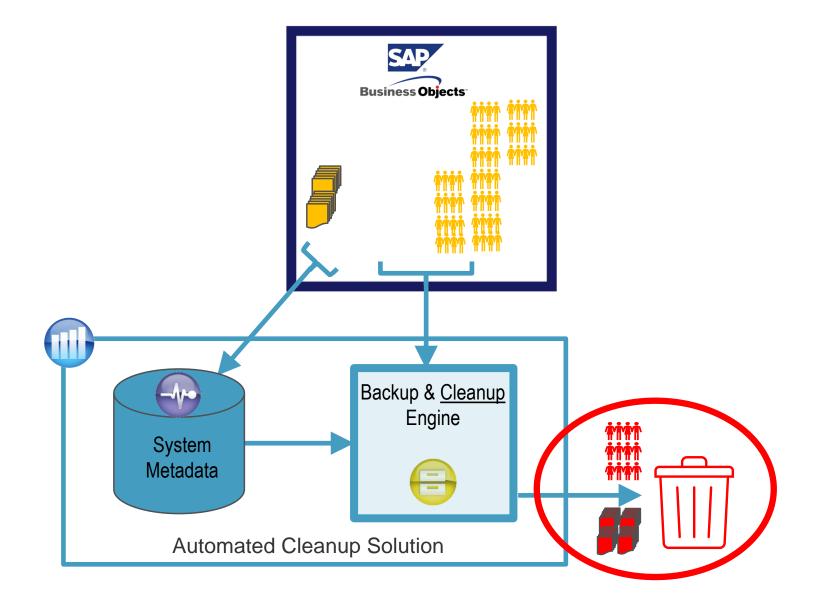




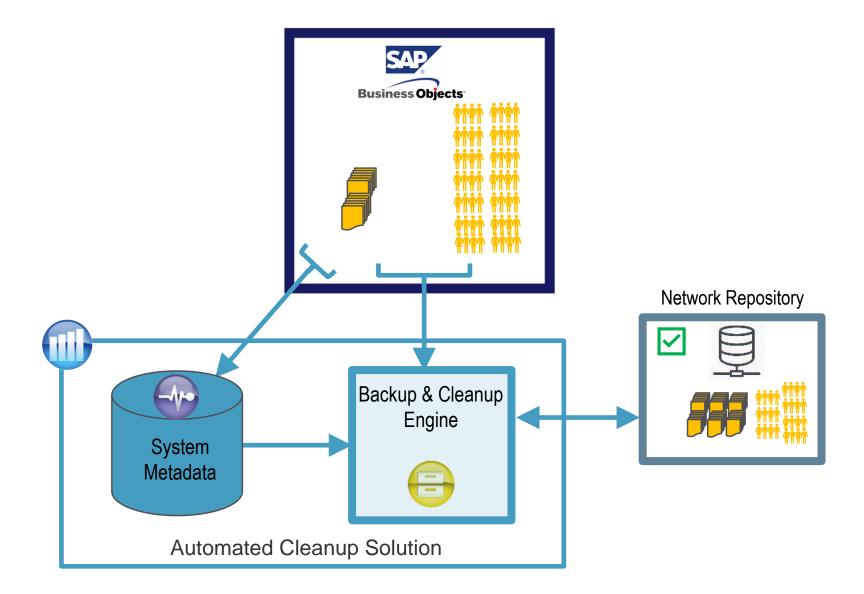




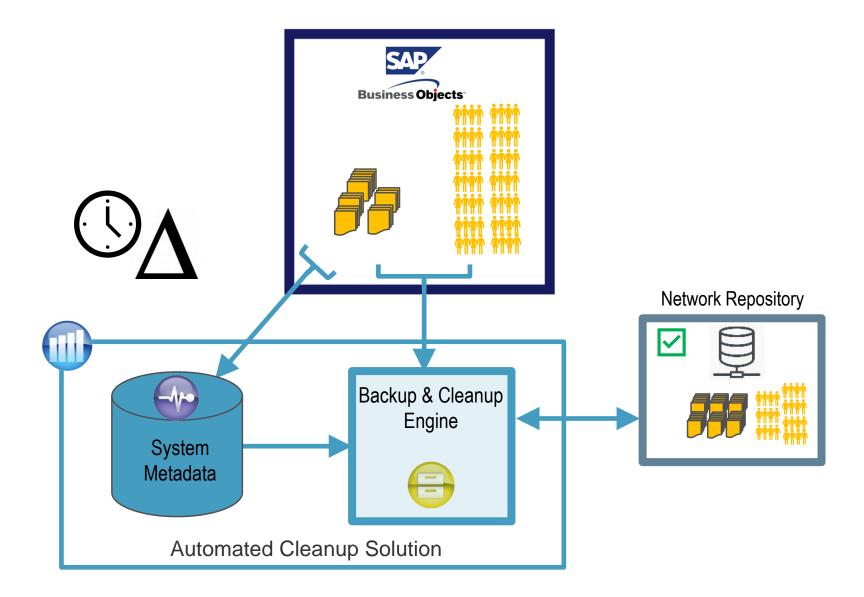




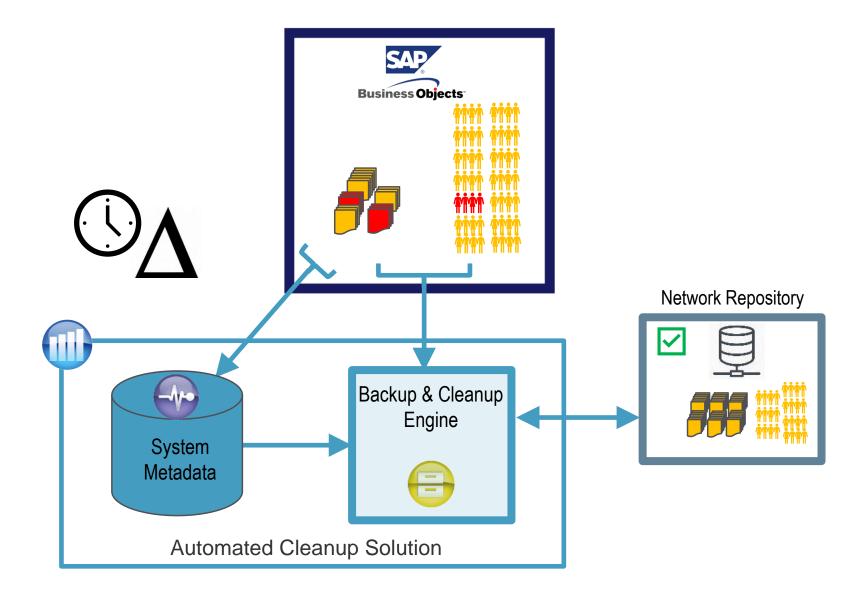




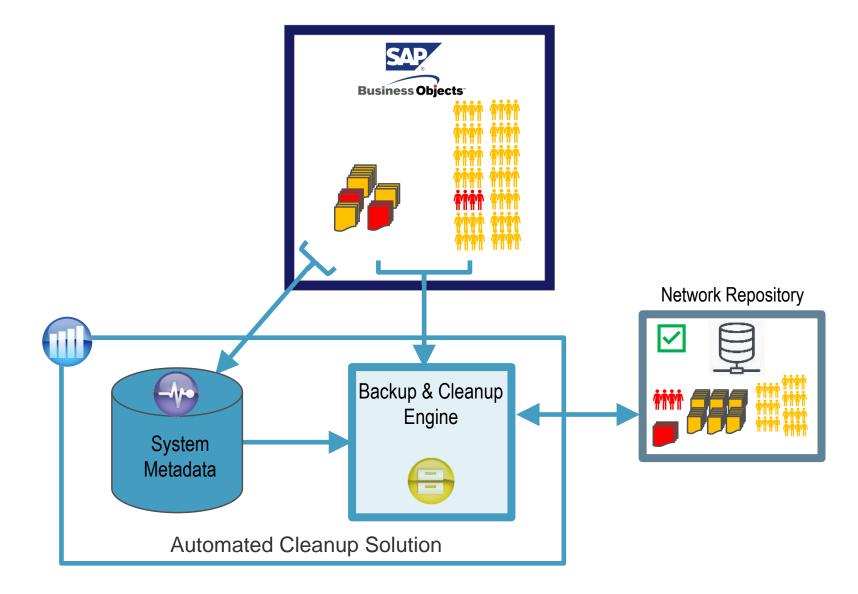




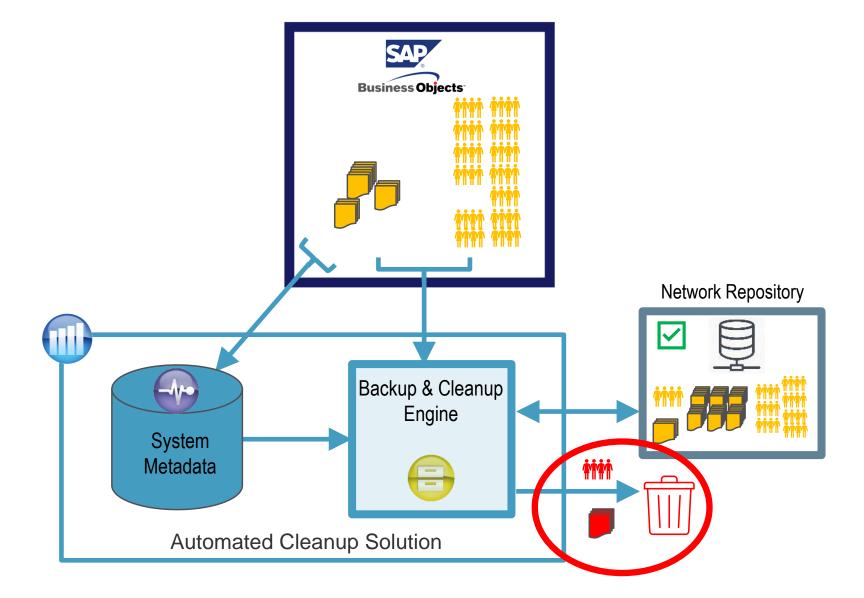












Reduce Content & Users



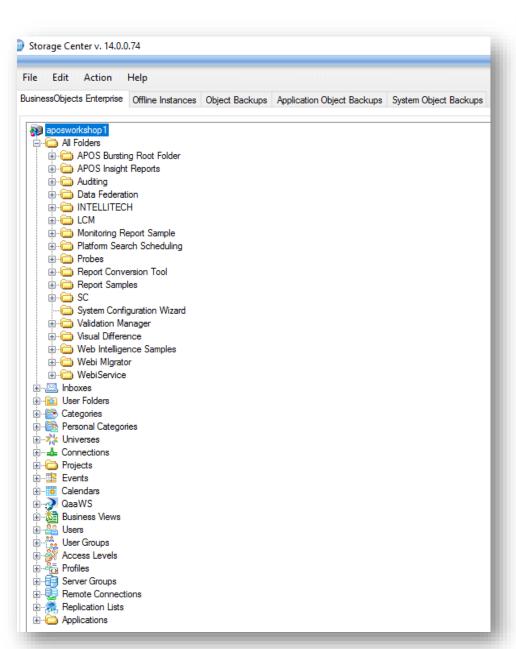
Before	After
Reports = 1200	Reports = 350
Instances = 150,000	Instances = 73,550
Universes = 45	Universes = 20
Users = 750	Users = 500
Groups = 65	Groups = 30
Total Objects = 152,060	Total Objects = 74,450

End Result: SAP BI content and user count reduced by over 50%

APOS Storage Center

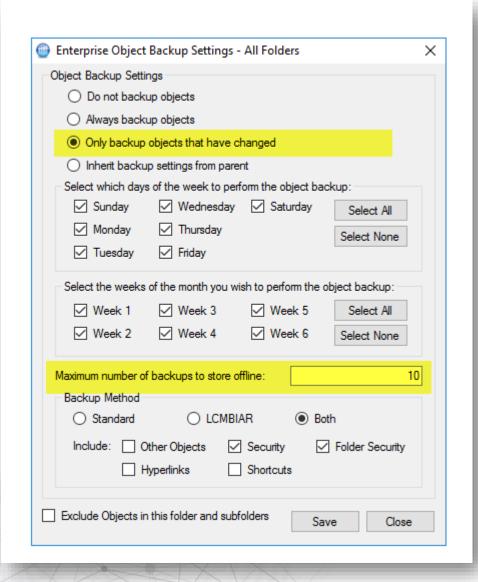
- Centralized Storage and Backup interface
- Selective backup and restoration on all object types







APOS Storage Center





- Create customized rules for back strategy
- Have assurance before right sizing your environment

Right-Size Your BI Environment



Restructure

- Infrastructure
- . Licenses





Restructure – Infrastructure



Scale Down



Before Reduction



After Reduction

- Scale down due to reduced users
- Scale down due to reduced content
- Scale down due to reduced usage from past consumption levels
- Scale down due to lower usage than original expectations

Restructure – Infrastructure



To increased usage – servers maxing out

- Scale up due to increased users
- Scale up due to increased content
- Scale up due to old hardware
- Scale up due to move to cloud deployed BOBJ
- Scale up due to more scheduling
- Scale up due to revised licensing method
 - Processor licenses converted to Concurrent licenses

Scale Up



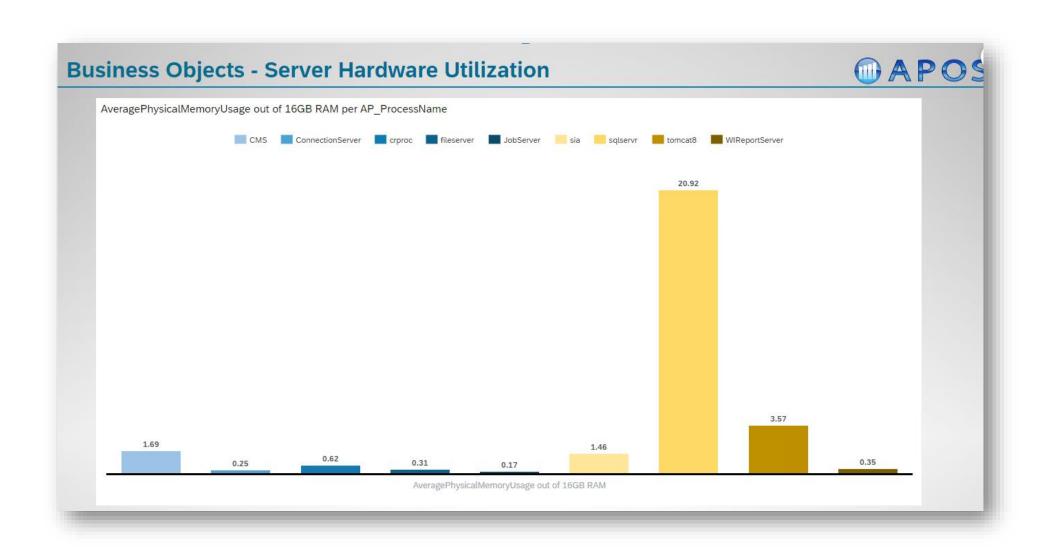
Before Growth



After Growth

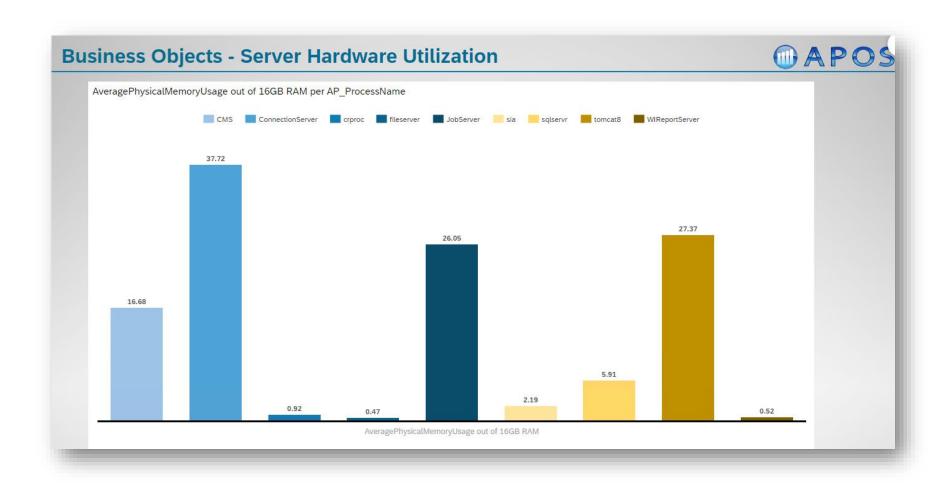
Restructure – Infrastructure – Scale Down?



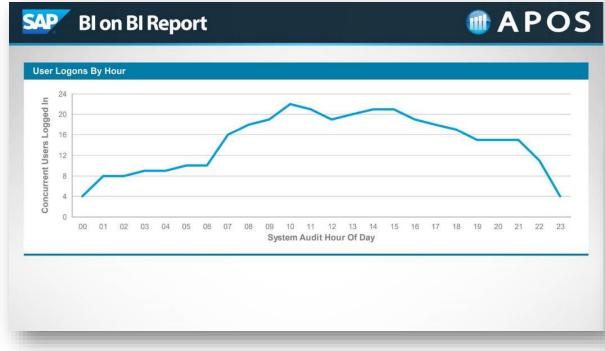


Restructure – Infrastructure – Scale Up?





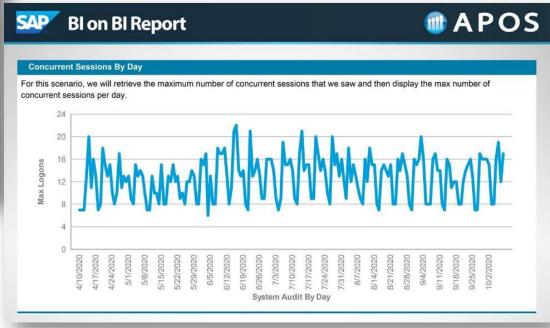
Restructure – Licensing Type





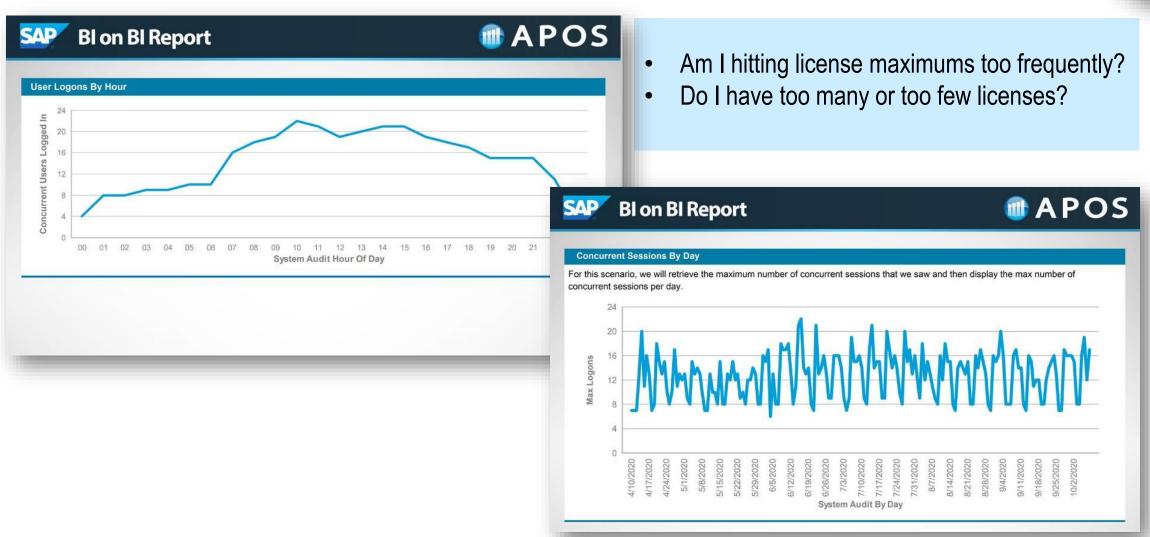
- should I change from Processor to CSBL
- should I add Named User licenses for key users





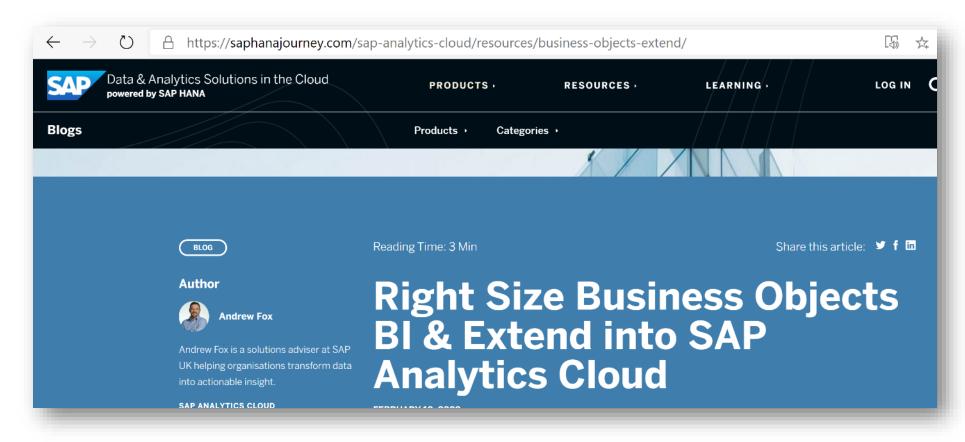
Restructure – Licensing Volume





Restructure – Cloud Extension Policy





APOS Insight

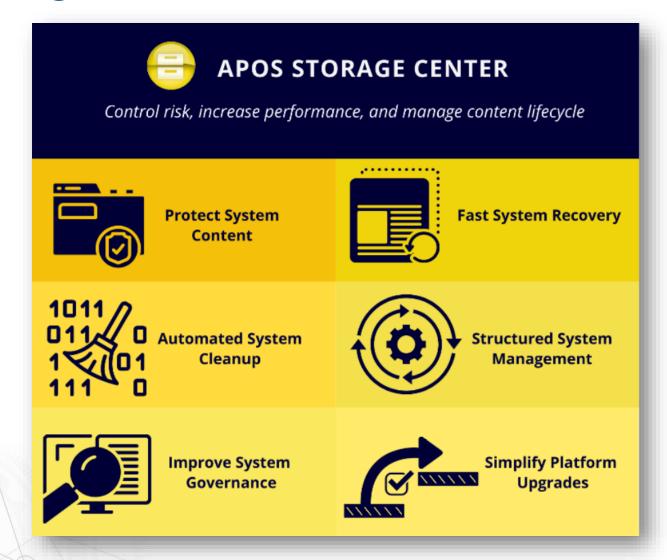




and compliance

APOS Storage Center







APOS BI on BI Service

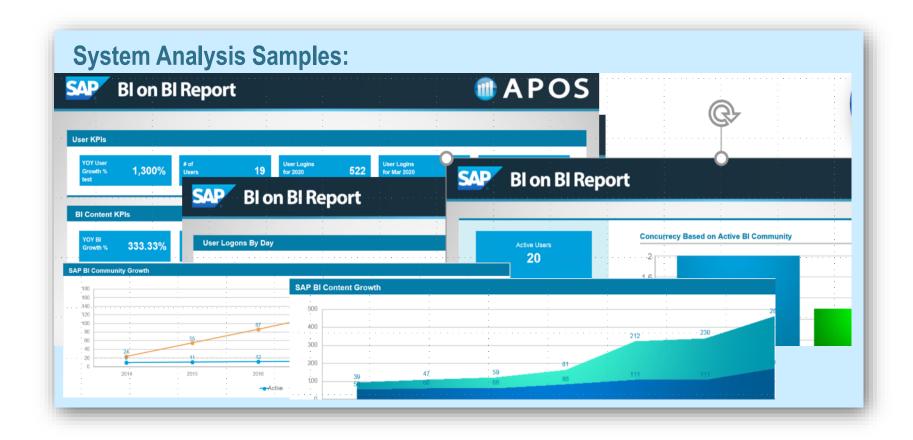
In collaboration with the SAP Analytics Center of Excellence, APOS has developed the BI on BI application to deliver a system scan and analysis service designed to provide SAP BusinessObjects customers with a snapshot of their BI deployment, answering questions such as:

- What is the activity level on my BusinessObjects system?
- How have activity levels been changing?
- Who are my most active users?
- What reports in my system are used most?
- What is the makeup of the BI content in my system?

This is a no-fee service which gives a high level view of key BI system metrics that will allow a better understanding of the BI deployment to assist with BI transition discussions and next step deployment planning with your account.

For system right-sizing scenarios and more detailed analysis requirements, APOS provides enhanced system analysis capabilities that the customer can adopt.





APOS Solutions for SAP BusinessObjects



Insight

- System Inventory
- Security Analysis
- System Usage Analysis
- Report Impact Analysis
- Advanced System Monitoring
- Operating Environment Monitoring



Storage Center

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



Publisher

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



Web Intelligence Migrator

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



Administrator

- · Rapid Security Management
- · High-Volume System Management
- · Object Settings and Preferences Management
- Object Promotion
- · Schedule Management
- · Instance Management



IDAC

- · BI Query Governance
- · Real-time BI Query Monitoring
- Query Performance Alerting
- · Query Intervention; Remote Cancelling
- Query Processing and Pattern Analysis
- Sensitive Data Audit



Validation Manager

- · Automated Report Testing
- Regression Testing
- BI Migration and Upgrade Testing
- Validation of Report Data Schedules, Instances
- · Report Performance Testing



Live Data Gateway

- Live connectivity to On Premise data sources and Cloud data sources from SAP Analysis Office
- Simplified data discovery experience
- No data replication or security replication needed



APOS Solutions for SAP Analytics Cloud





APOS Live Data Gateway

• Live Connectivity from SAC to wide range of data sources



APOS UMMA

Automated translation of SAP BI Modelling to HANA and Live Data Gateway



APOS Publisher for Cloud

Bursting and Distribution of SAC content



APOS Insight for Cloud

Enhanced Monitoring, Auditing and Validation of SAP Analytics Cloud

Upcoming Events



Extend Analytics Data Connectivity Unlock Live Data - Webinar

January 28, 2021 -11 am EST

SAP Analytics Cloud has native connectivity for SAP HANA, SAP Data Warehouse Cloud and other SAP data sources, but most organizations will require data connectivity to other data sources as well as new data modelling for complete analytics.

APOS Live Data Gateway simplifies connectivity for these other data sources, and makes self-service data modelling available without deep technical knowledge of the data sources.

You'll Learn:

- Connecting to relational data sources on-premise or Cloud
- Connecting to OLAP data sources
- Self-service data modelling
- Connectivity and data modelling use cases



STAY CONNECTED



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APOS Systems Inc.



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@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!





Thank You!

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