



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



JAY MURDOCH

Business Development 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



APOS



**SAP
BusinessObjects**



Hybrid BI



**SAP
Analytics Cloud**



HOUSEKEEPING



You will have access to the slides via email

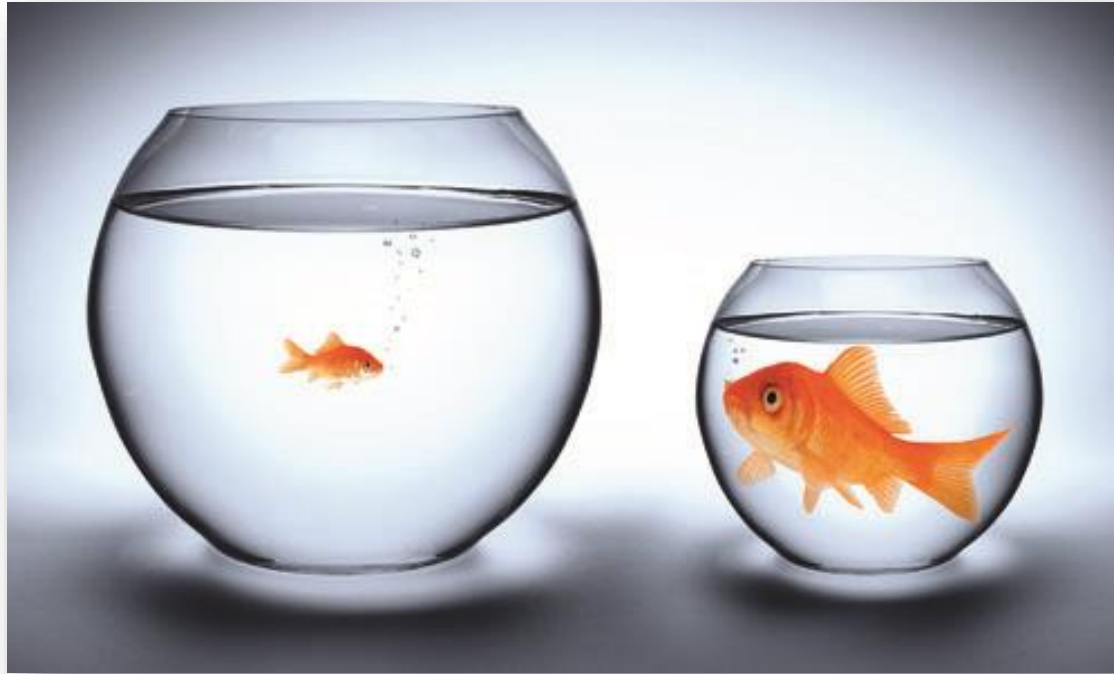


You will get the recording within 24 hours



Tell us how we did in the survey

Right-Sizing



Rightsizing vs Downsizing

Right-Size Your BI Environment



Adapting your SAP BusinessObjects deployment to suit changing needs

Content

Users

Licenses

Infrastructure



What is Your 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**





Fred Walther
Senior Solution Consultant
APOS



Right-Size Your BI Environment – 3 Steps



Rationalize

Reduce

Restructure



Right-Size Your BI Environment



Rationalize

Assessing what is necessary and what is unnecessary:

- Content
- Users
- Licenses
- Infrastructure



Rationalize – Content



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

APOS Insight Schedules - Inactive Report

977 Reports not scheduled in the last 365 days As of latest scan date: 2015-02-11 07:57:54

Folder: /1-Management

Report Name	Type	Create Date	Owner	Data Source	Last Updated
Manufacturing Report 1	Report	2014-12-17 20:58:46	Administrator	Original: http://resources.businessobjects.com/support/downloads/samples/cr/customer_db/orders.xml h	2014-12-18 13:25:46

Folder: /2-Sales

Report Name	Type	Create Date	Owner	Data Source	Last Updated
Manufacturing Report 1	Report	2014-12-17 20:58:51	Administrator	Original: http://resources.businessobjects.com/support/downloads/samples/cr/customer_db/orders.xml h	2014-12-18 13:25:46

Folder: /3-Support

Report Name	Type	Create Date	Owner	Data Source	Last Updated
Manufacturing Report 1	Report	2014-12-17 20:58:54	Administrator	Original: http://resources.businessobjects.com/support/downloads/samples/cr/customer_db/orders.xml h	2014-12-18 13:25:45
Report1	Report	2015-01-15 11:43:43	Administrator		2015-01-15 11:43:43

Folder: /4-Reynolm Industries Reports

Report Name	Type	Create Date	Owner	Data Source	Last Updated
CEO Report 1	Report	2014-12-02 17:15:32	Administrator	Custom: C:\Program Files (x86)\SAP BusinessObjects\SAP BusinessObjects Enterprise XI 4.0\Samples\En	2015-02-04 11:52:15

APOS Well Managed BI | 1118-100 Conestoga College Blvd., Kitchener, ON, Canada N2P 2N6 Tel: 519.894.APOS (2767) Email: info@apos.com • www.apos.com

Rationalize – Content



APOS Insight
Universe List with Reports

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



APOS Insight
User Logon Activity

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

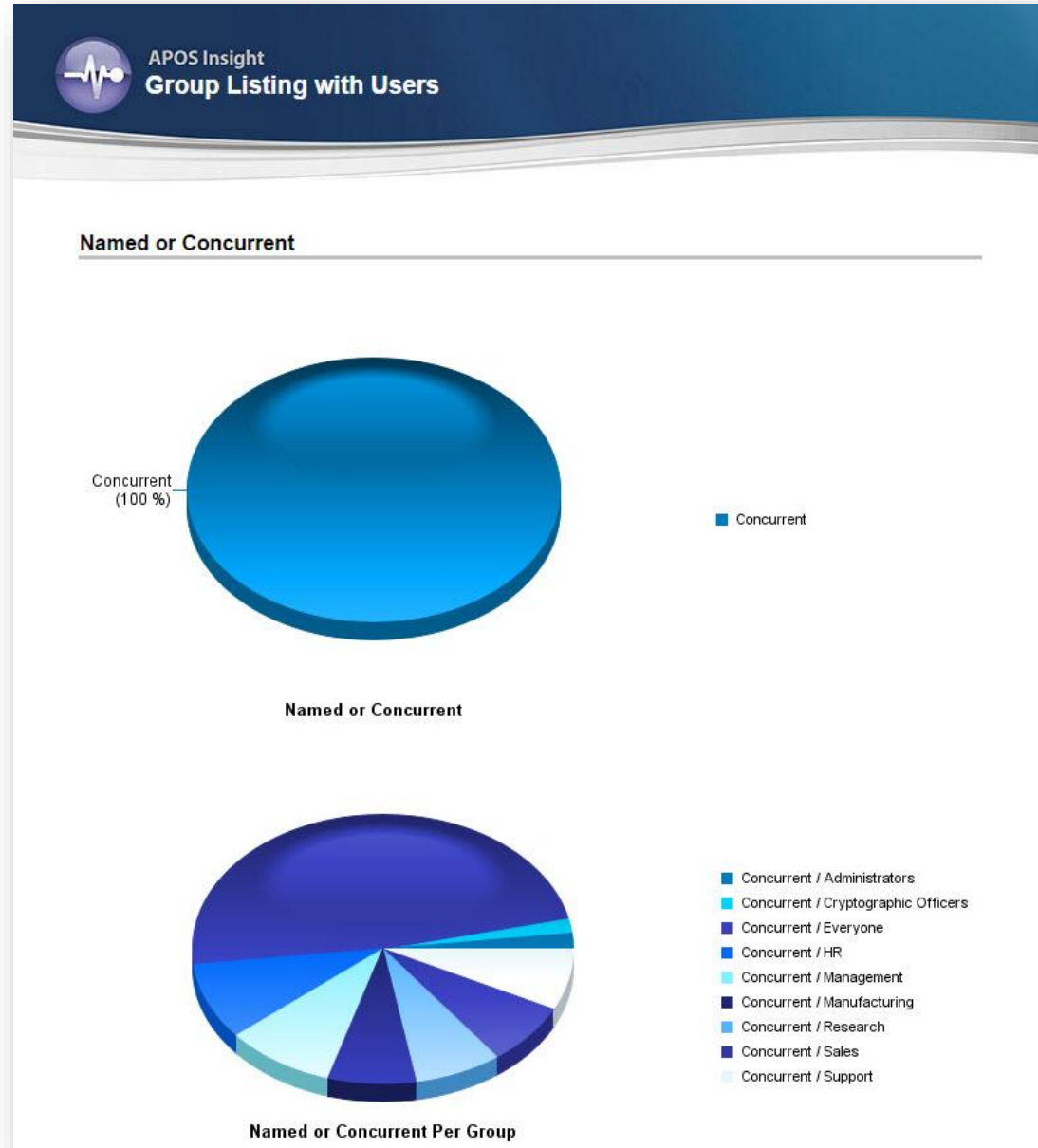
System: ProductionAG

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

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

Rationalize – Users/Groups

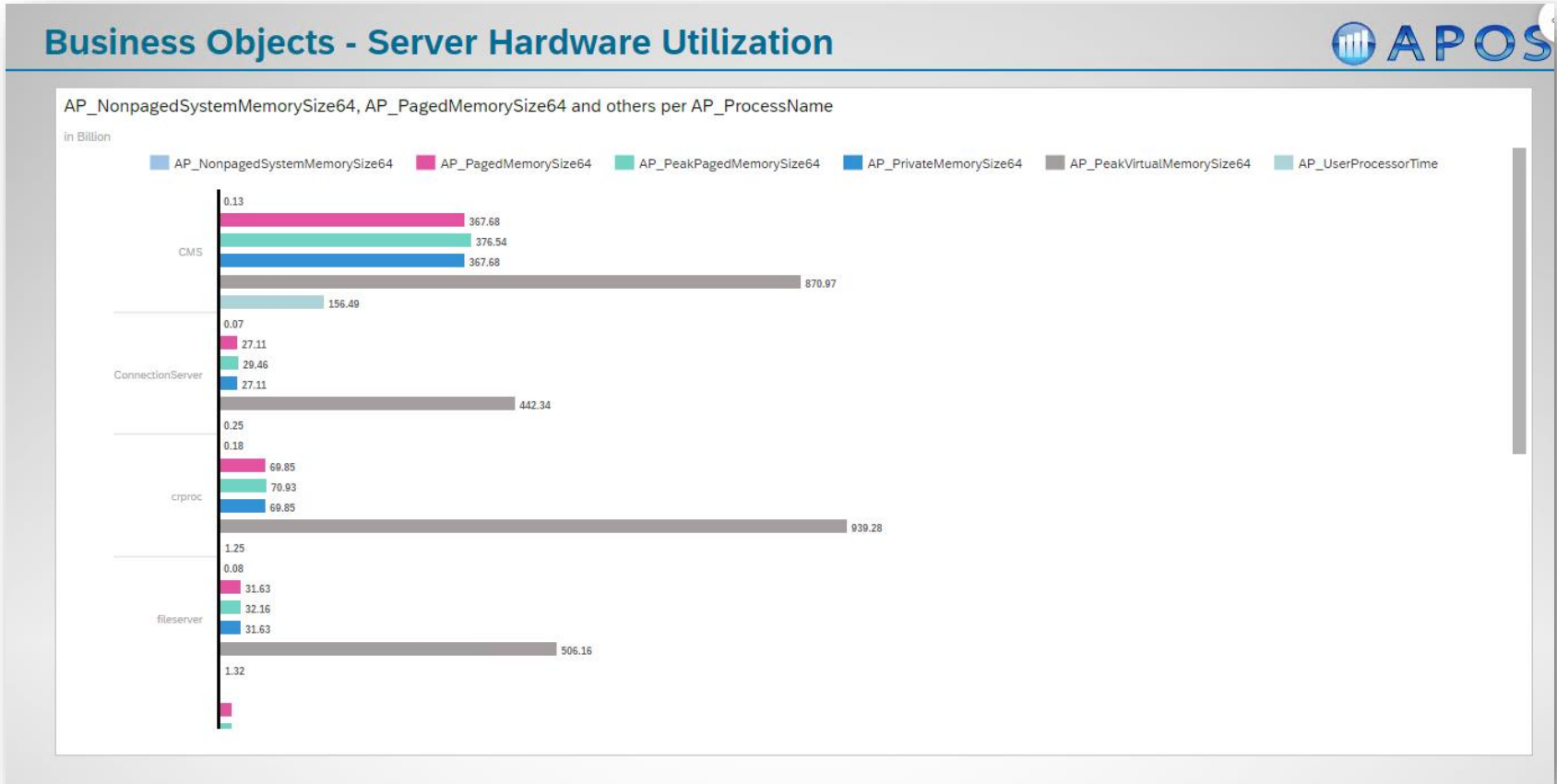
- How many Groups do I have?
- Can I reduce the amount of Groups I have?
- Can I consolidate replicated Groups?



Rationalize – Infrastructure



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



Rationalize – Licences

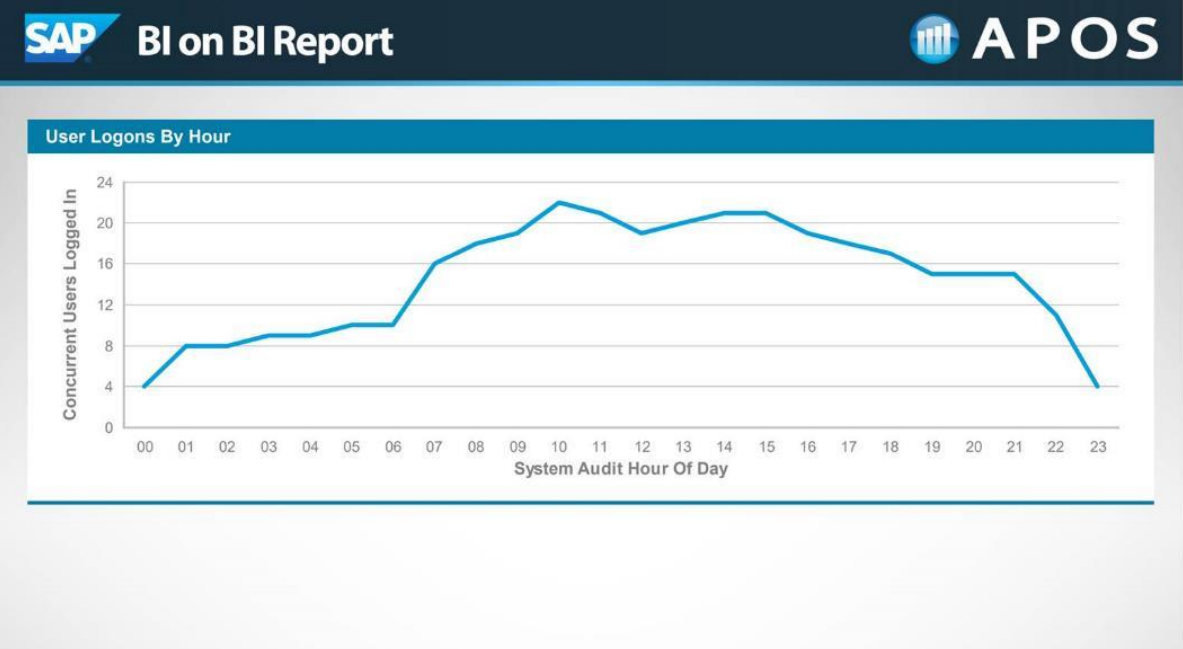


- What are User activity patterns?

APOS Insight Connection Count

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	17
3:12:32 PM	16
3:15:32 PM	16
3:18:32 PM	17
3:21:32 PM	16
3:24:32 PM	17
3:27:32 PM	16
3:30:32 PM	18
3:33:32 PM	20
3:36:32 PM	19
3:39:32 PM	20
3:42:32 PM	18
3:45:32 PM	19
3:48:32 PM	18
3:51:32 PM	18
3:54:32 PM	18
3:57:32 PM	18
4:00:32 PM	18
Count:	17.58



Rationalize – Licenses



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

 APOS Insight
Connection Count

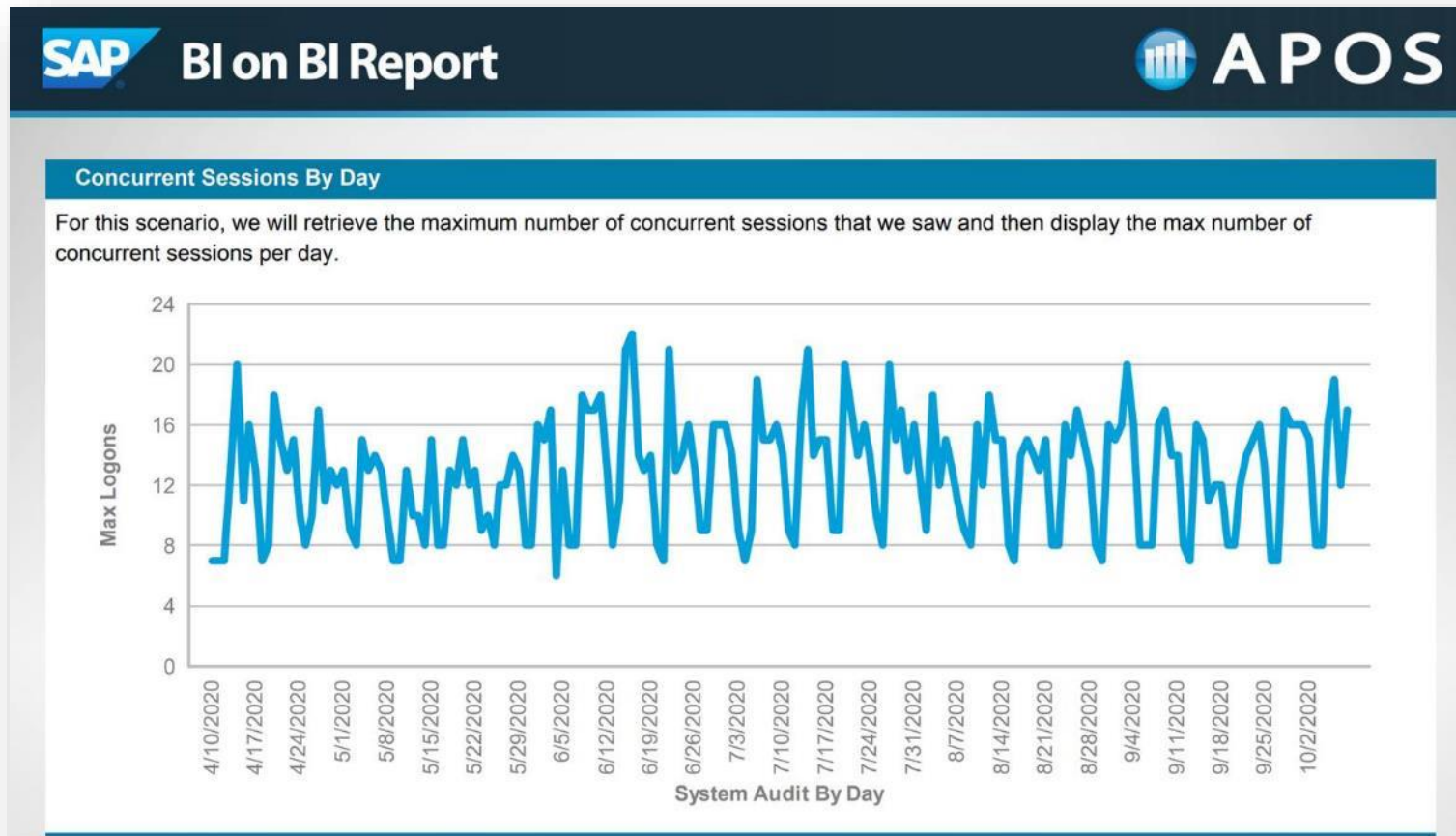
AG-08R2
2015-02-09

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

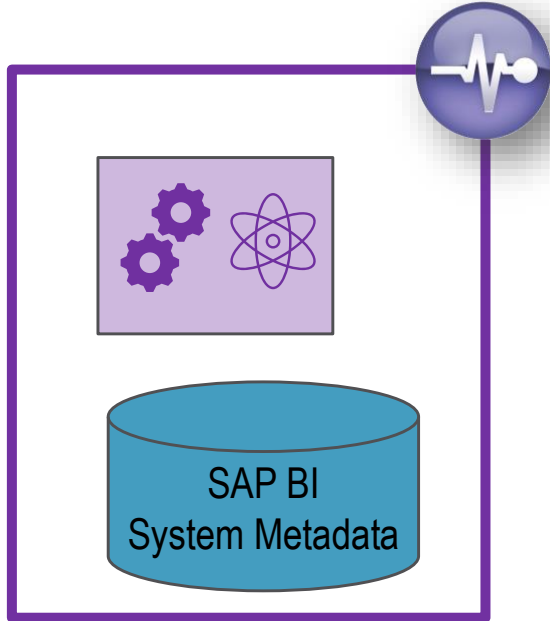
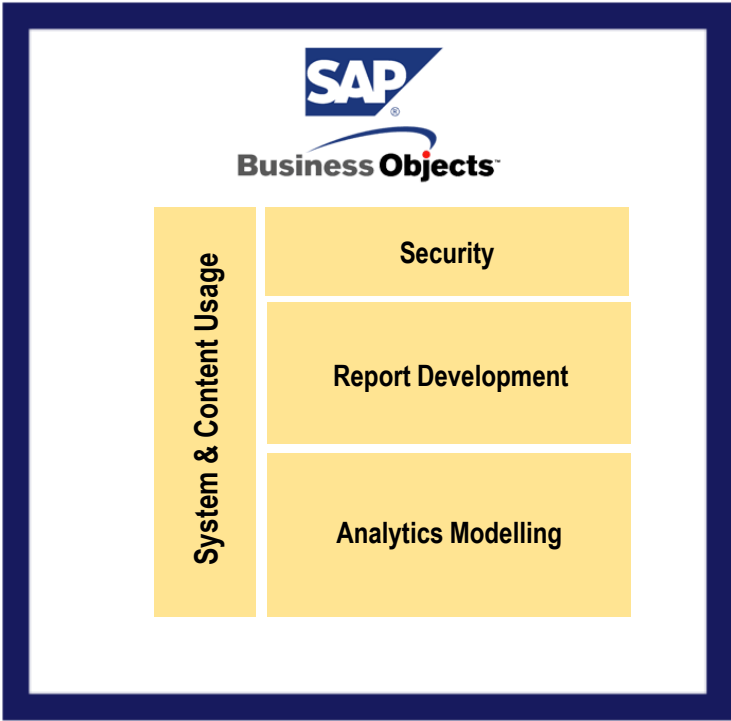
Rationalize – Licences



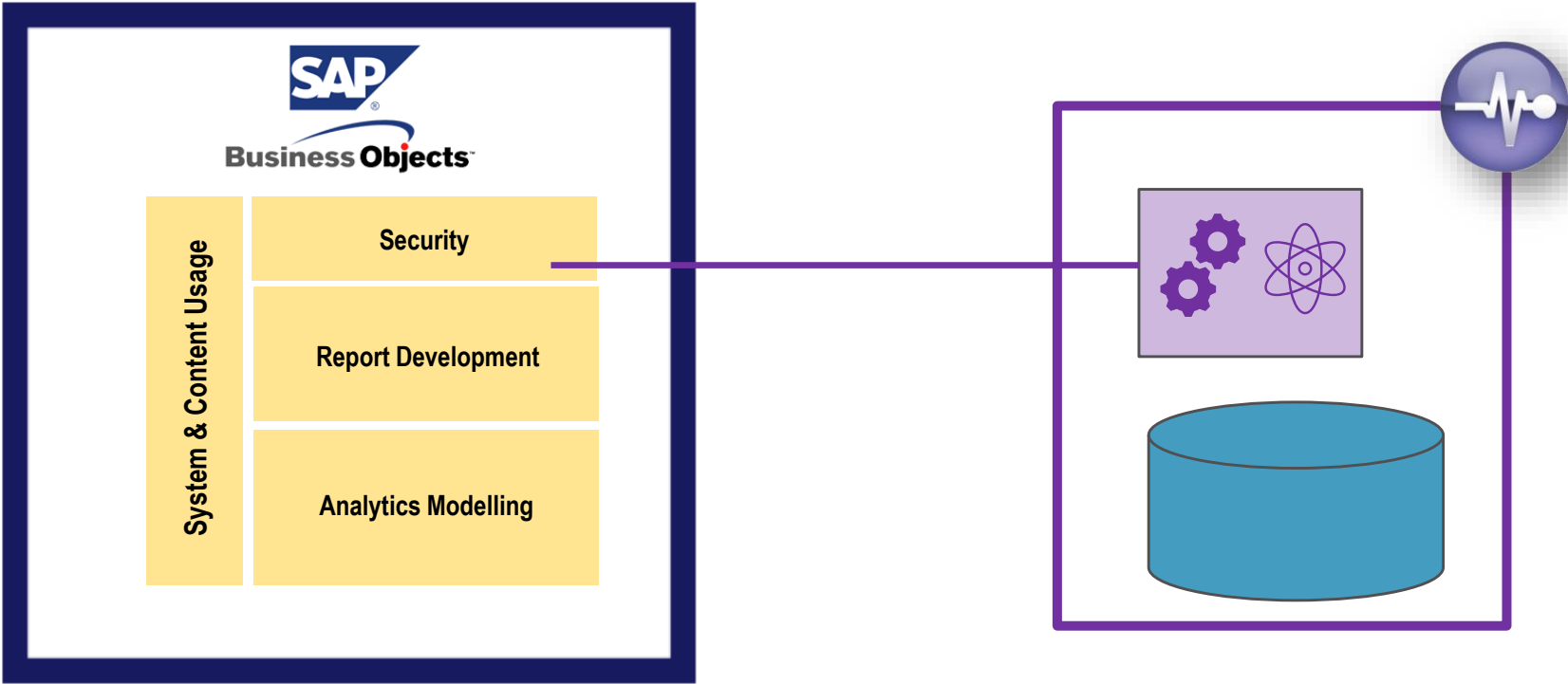
- What are concurrent session activity highs and lows?



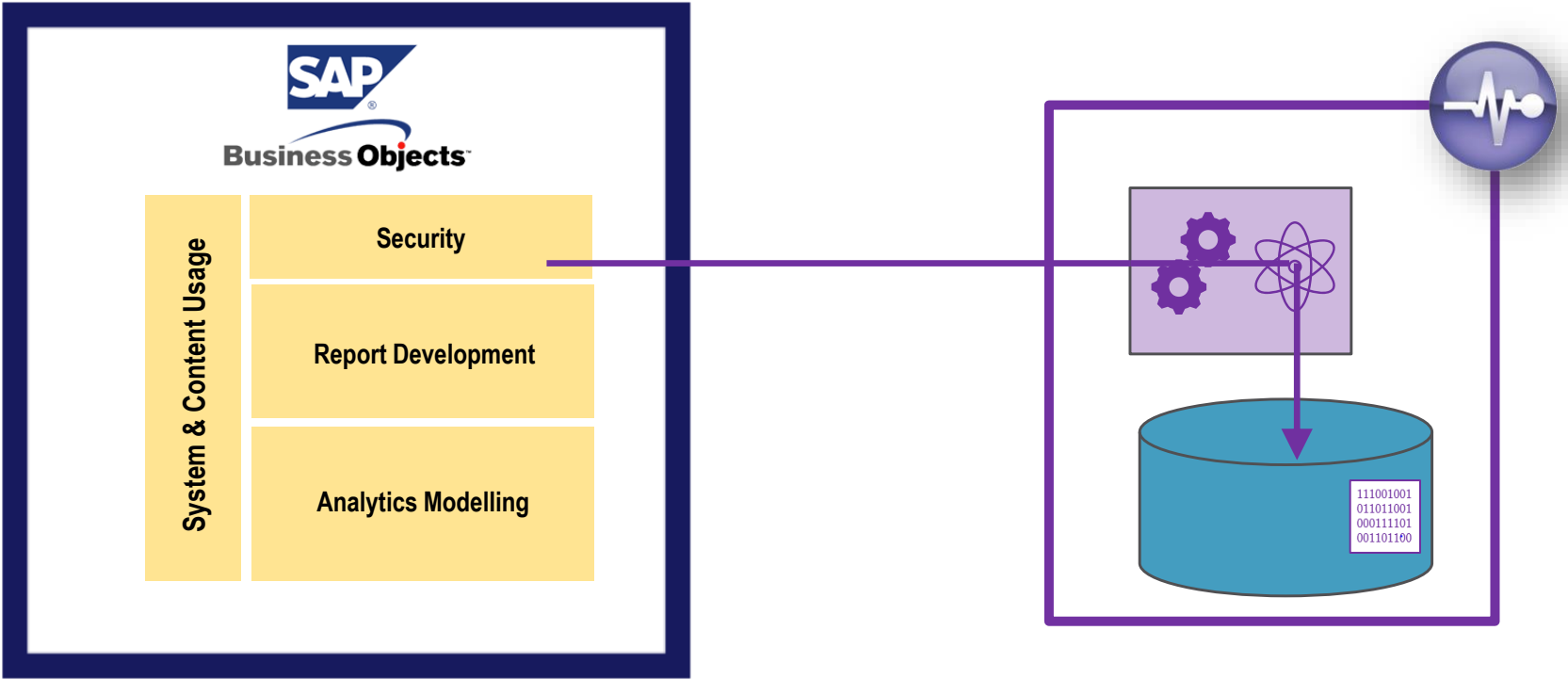
APOS Insight – SAP BI Knowledge



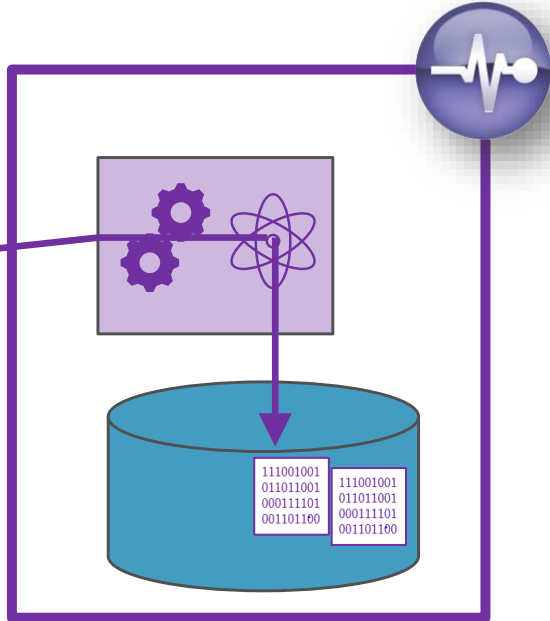
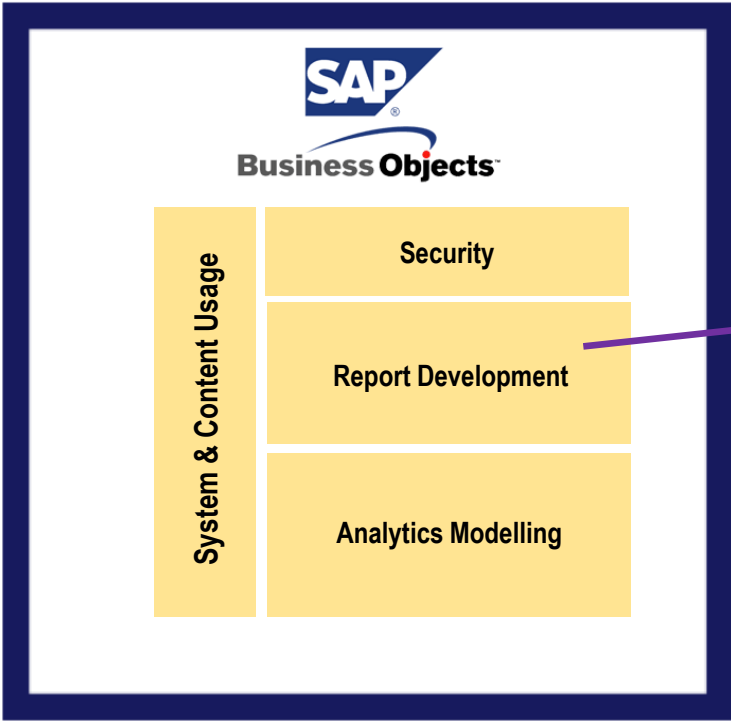
APOS Insight – System Metadata Scan



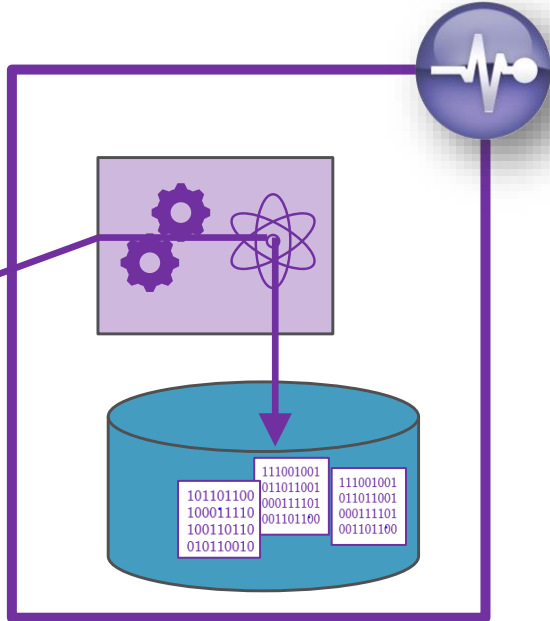
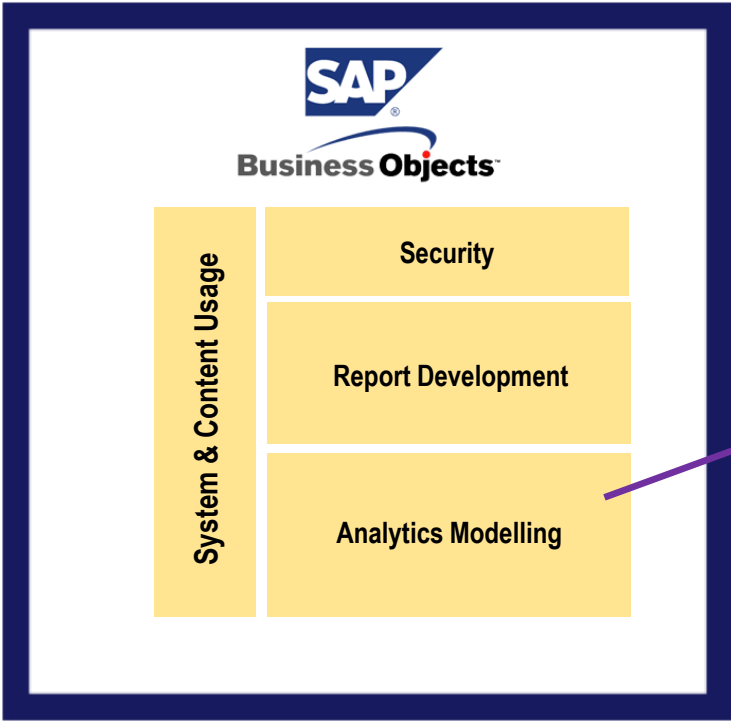
APOS Insight – System Metadata Scan



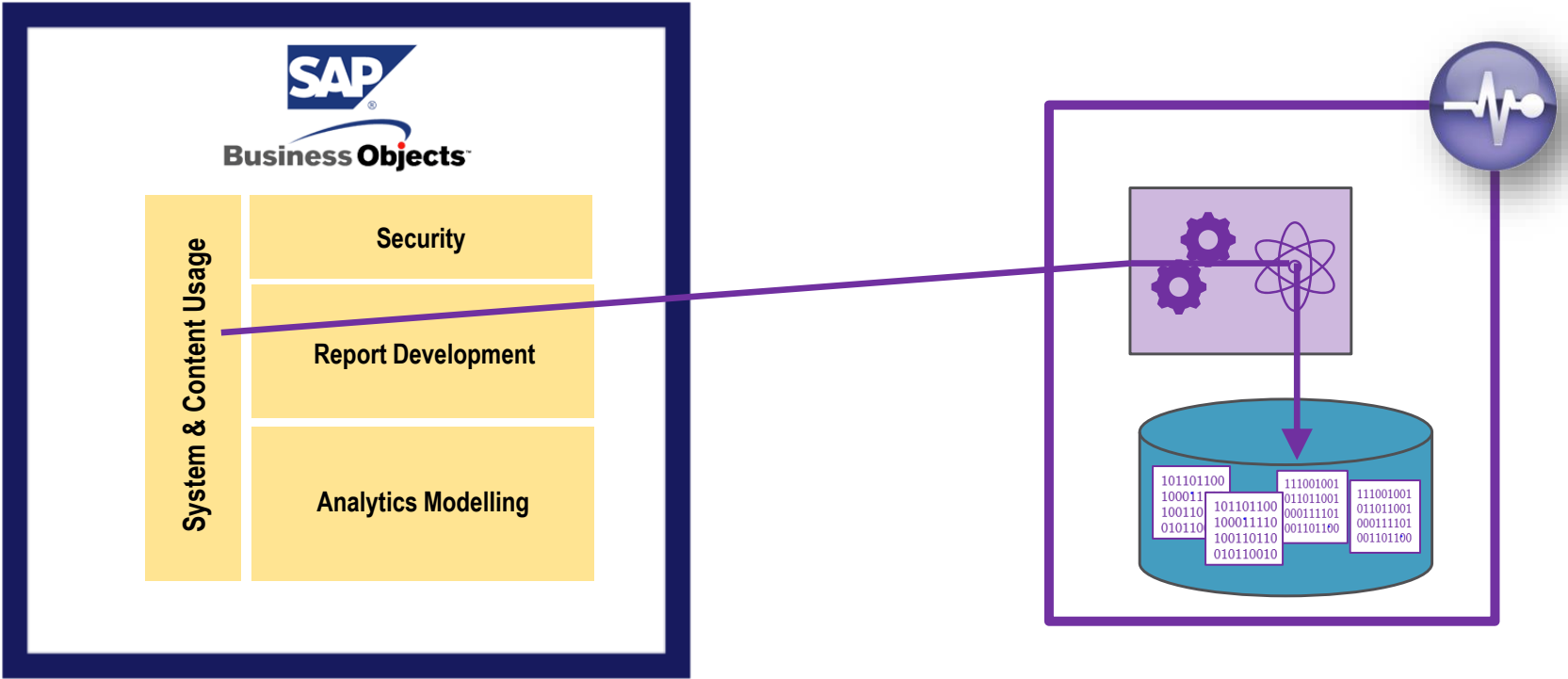
APOS Insight – System Metadata Scan



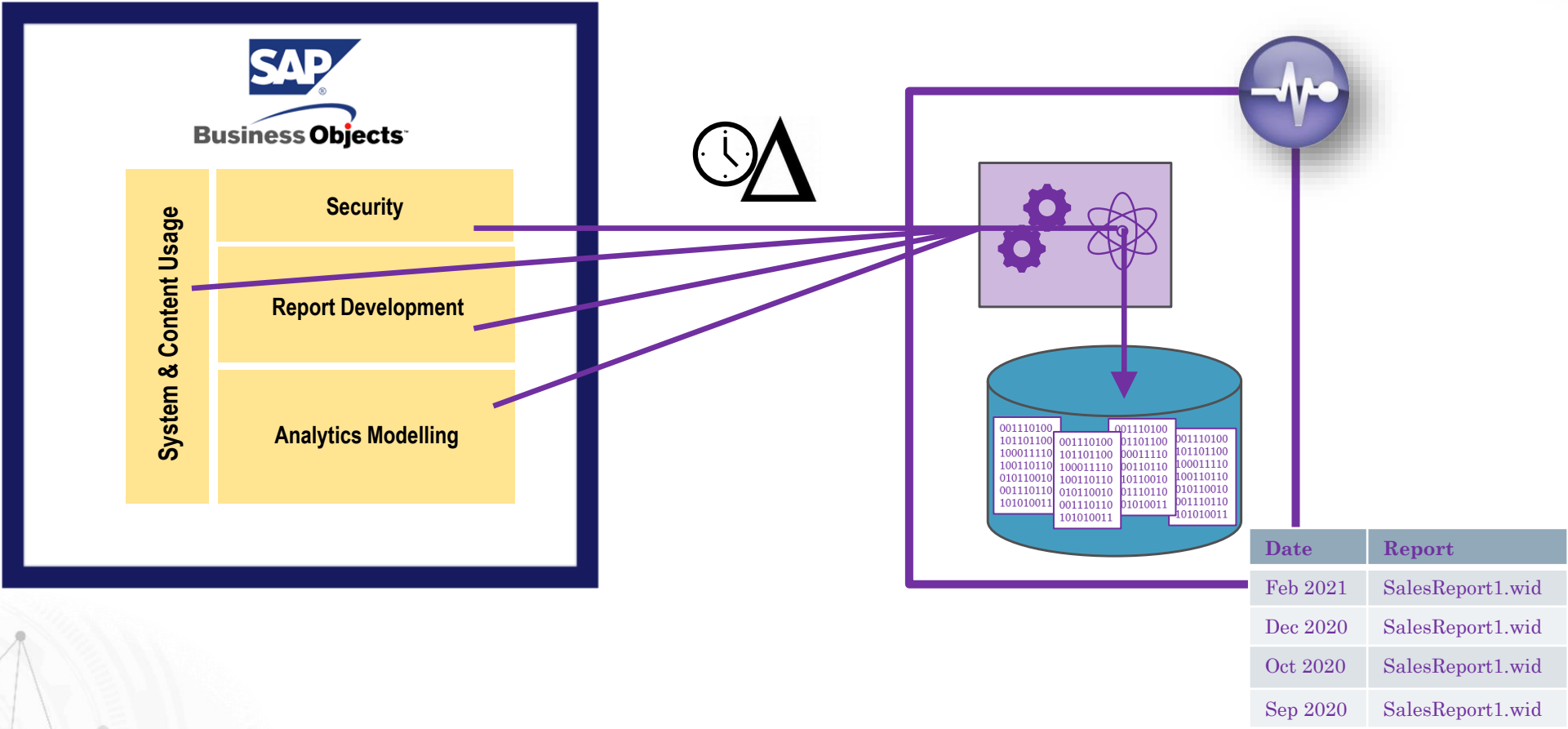
APOS Insight – System Metadata Scan



APOS Insight – System Metadata Scan



APOS Insight – System Metadata – Update Scans



APOS Insight – System Analysis



List Objects by Type for System: PRODUCTION

Object Type	Number of Objects	Object Type	Folder	SI Name
ClientAction	488	AdminConsole	\\apos\reports\1-800\Application Folder\Root Folder 99	81 Administration Console
View	126	AdminTool	\\apos\reports\1-800\Application Folder\Administrative Tools	806 Security Query Export
Report	125	AdminTool	\\apos\reports\1-800\Application Folder\Administrative Tools	822 Update Authentication Group Membership
Folder	84	AdminTool	\\apos\reports\1-800\Application Folder\Administrative Tools	831 Update Authentication Group Membership and User Names
ClassConfiguration	82	AdminTool	\\apos\reports\1-800\Application Folder\Administrative Tools	4851 Principal File Import
ClassActionSet	66	AdminTool	\\apos\reports\1-800\Application Folder\Root Folder 99	4360 Analysis Office
MON ManagedEntityStatus	28	AlertingApp	\\apos\reports\1-800\Application Folder\Root Folder 99	4408 BI workspaces
CCRS DataConnection	15	AD Plugin	\\apos\reports\1-800\Application Folder\Root Folder 99	4481 Automation Framework
PlatformSearchContentEnricher	11	AppJavation	\\apos\reports\1-800\Application Folder\Root Folder 99	4262 BEX.BE\Web
TextTemplate	10	AutomationFramework	\\apos\reports\1-800\Application Folder\Root Folder 99	4919 Commentary Application
MON Probe	9	BEX.BE\Web	\\apos\reports\1-800\Application Folder\Root Folder 99	4303 BI Administrators' Cockpit
DLL MetadataFile	8	BECommentaryApplication	\\apos\reports\1-800\Application Folder\Root Folder 99	
PlatformSearchQueue	8	Event	\\apos\reports\1-800\Application Folder\Root Folder 99	
WorkflowTemplate	7			
LCHubs	6			
PlatformSearchIndexAgent	6			
FavoriteFolder	5			
View	4			



Schedules - Inactive Report

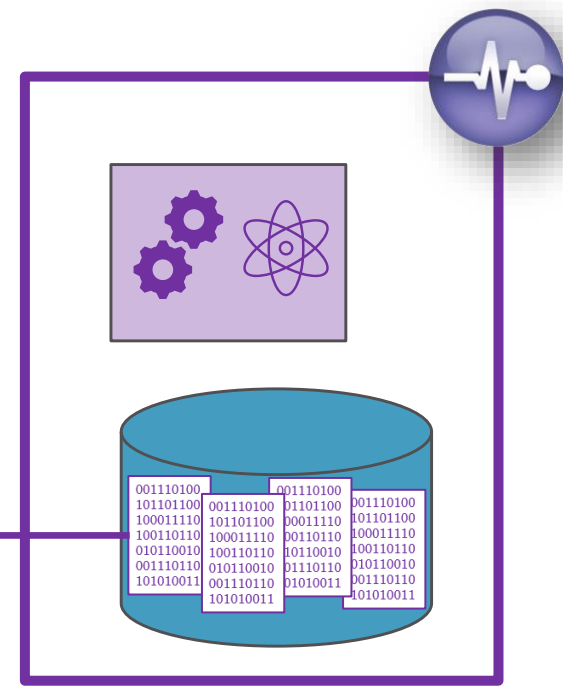
877 Reports not scheduled in the last 365 days

As of latest scan date: 2015-02-11 07:57:54

Report Name	Type	Create Date	Owner	Data Source	Last Updated
Folder: /I-Management					
Manufacturing Report 1	Report	2014-12-17 20:58:46	Administrator	Original: \\apos\reports\businessobjects.com\support\download\sample\customer_db\orders.xml.h	2014-12-18 13:21:48
Folder: /D-Sales					
Manufacturing Report 1	Report	2014-12-17 20:58:51	Administrator	Original: \\apos\reports\businessobjects.com\support\download\sample\customer_db\orders.xml.h	2014-12-18 13:21:48
Folder: /S-Support					
Manufacturing Report 1	Report	2014-12-17 20:58:54	Administrator	Original: \\apos\reports\businessobjects.com\support\download\sample\customer_db\orders.xml.h	2014-12-18 13:21:48
Report	Report	2015-01-15 11:43:43	Administrator	Original: \\apos\reports\businessobjects.com\support\download\sample\customer_db\orders.xml.h	2015-01-16 11:43:43
Folder: /R-Reynolds Industries Reports					
CEO Report 1	Report	2014-12-02 17:10:32	Administrator	Custom: \\apos\reports\1-800\BIF\BusinessObjects\GAP\BusinessObjects Enterprise XI 4 20\sample\En	2015-02-04 11:52:15

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	1234
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	8826
APOS Insight Reports/SQL Server	Audit - User Login Activity	Administrator	94603
APOS Insight Reports/SQL Server	Audit - User Logout Activity Details	Administrator	191620
APOS Insight Reports/SQL Server	Crystal - Search for Fields Listed in Reports	Administrator	100297
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	144885
APOS Insight Reports/SQL Server	Instances - Detail	Administrator	100891
APOS Insight Reports/SQL Server	Instances - Historical	Administrator	107184
APOS Insight Reports/SQL Server	Instances - Status	Administrator	8826
APOS Insight Reports/SQL Server	Object Listing - Content Types and Folders	Administrator	91423



APOS Insight – screenshot



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

The screenshot displays the APOS Insight Admin 4.0 interface. The main window shows a table of services with the following data:

Service Name	Service
Objects Scan	APOS Ir
Process Logger	APOS Ir
UNVscan	APOS Ir
Webi Scan	APOS Ir

The 'Service Management' dialog box is open, showing the configuration for the 'UNVscan' service. The 'Service Type' is 'APOS Insight UNV Universes' and the 'Service Name' is 'UNVscan'. The description is 'APOS Insight UNV Universes - Performs logging of UNV Universe information'. The 'Service Settings' tab is active, showing the 'Logging Options' sub-tab. The 'Selected UNVs' sub-tab is also visible. The 'UNV Scan Modes' sub-tab is selected, and the following options are checked:

- Include Control Options
- Include Class Info
- Include Conditions
- Include Class Objects
- Include Join Info
- Include LOV Info
- Include Join Strategies
- Include SQL Options
- Include Hierarchy Info
- Include Tables
- Include DB Tables
- Log Unique Columns Only
- Include DB Columns
- Include Contexts
- Include Qualifiers
- Include Designers
- Include Owners

The 'UNV Scan Details' sub-tab is also visible, showing the following options checked:

- Include DB Columns
- Include Contexts
- Include Qualifiers
- Include Designers
- Include Owners

The 'Logging Options' sub-tab is also visible, showing the following options checked:

- Universes and Connections

The 'Service Profiles' sub-tab is also visible, showing the following options checked:

- Enable Status Updates
- Include Archive Information (Legacy Mode)

The 'Service Log On' sub-tab is also visible, showing the following options checked:

- Include Archive Information (Legacy Mode)

Right-Size Your BI Environment



Reduce

Find and Remove unnecessary elements from system:

- Content
- Users



Right-Size Your BI Environment



How to remove unnecessary elements?

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



Right-Size Your BI Environment



How to remove unnecessary elements?

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

Central Management Console

Folders

Manage Actions Organize

Objects List

All Folders

- APOS Bursting Root Folder
- APOS Insight Reports
 - Oracle
 - SQL Server
- Auditing
- Data Federation
- INTELLITECH
- LCM
- Monitoring Report Sample
- Platform Search Scheduling
- Probes
- Report Conversion Tool
- Report Samples
- SC
- Storage Center Settings
- System Configuration Wizard
- Validation Manager
- Visual Difference
- Web Intelligence Samples
- Webi Migrator
- WebiService

Title ^	Type
Audit - All Report Activity	Web Intelligence
Audit - Objects Scheduled by User	Web Intelligence
Audit - Objects Scheduled by User	Crystal Reports 2016
Audit - Reports Refreshed by User	Crystal Reports 2016
Audit - Reports Refreshed by User	Web Intelligence
Audit - Unused Objects in Date Range	Crystal Reports 2016
Audit - Unused Objects in Date Range	Web Intelligence
Audit - User Logon Activ...	Web Intelligence
Audit - User Logon Activ...	Crystal Reports 2016
Audit - User Logon Activ...	Crystal Reports 2016
Audit - User Logon Activ...	Web Intelligence
Crystal - DataSource Info...	Crystal Reports 2016
Crystal - Search for Field...	Crystal Reports 2016
Crystal - Search for Field...	Web Intelligence
Crystal - Search for Tables Used in Reports	Web Intelligence
Crystal - Search for Tables Used in Reports	Crystal Reports 2016
Crystal - Structure	Web Intelligence
Crystal - Structure	Crystal Reports 2016
Crystal - Summary	Web Intelligence
Crystal - Summary	Crystal Reports 2016
Instances Changes	Crystal Reports 2016
Instances - Detail	Web Intelligence
Instances - Detail	Crystal Reports 2016
Instances - Historical	Web Intelligence
Instances - Historical	Crystal Reports 2016

Run Now

New >

Add >

Organize >

Delete



Right-Size Your BI Environment



How to remove unnecessary elements?

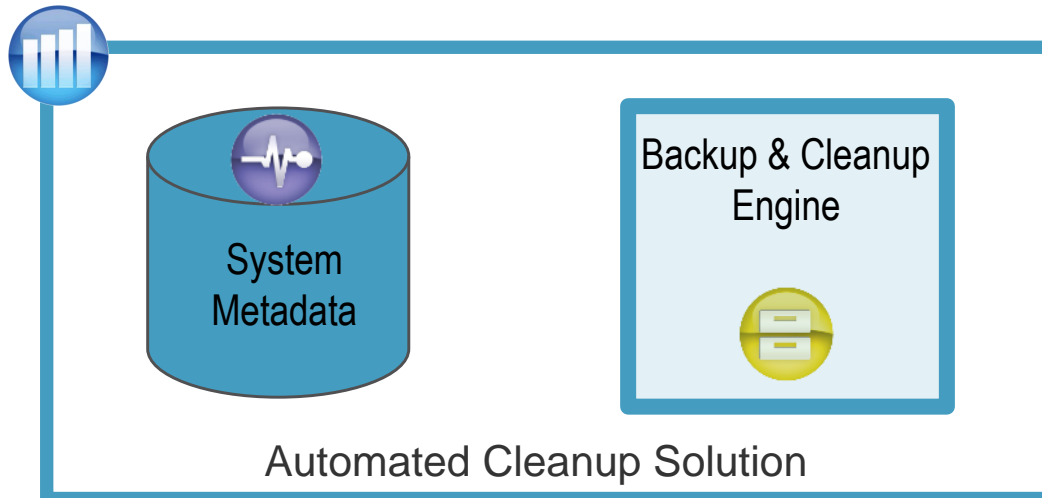
- Manual
 - Delete Reports, Universes
 - Delete Instances
 - Delete Users
- Automated
 - Automated Cleanup Solution



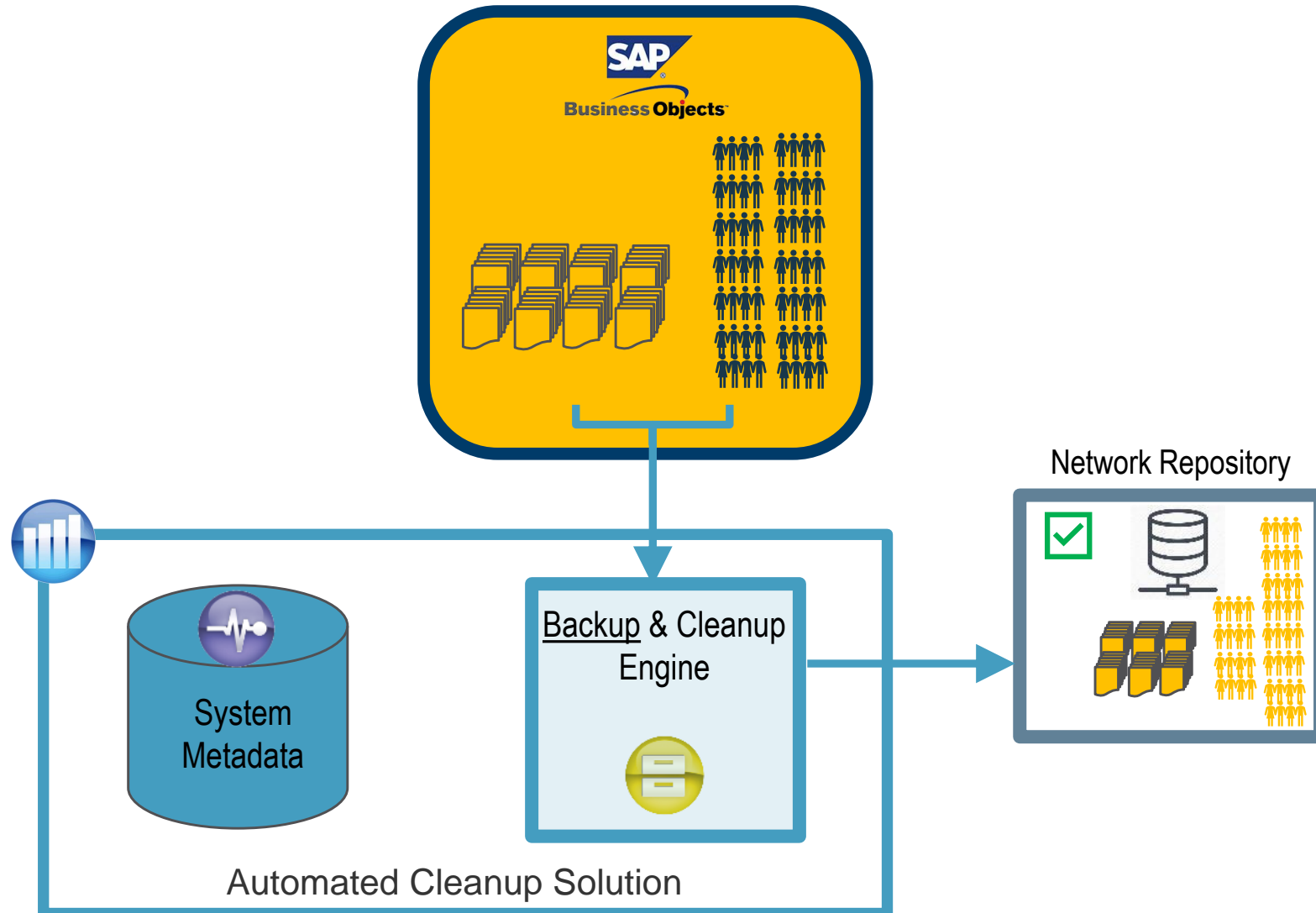
Automated System Clean-Up



Automated System Clean-Up

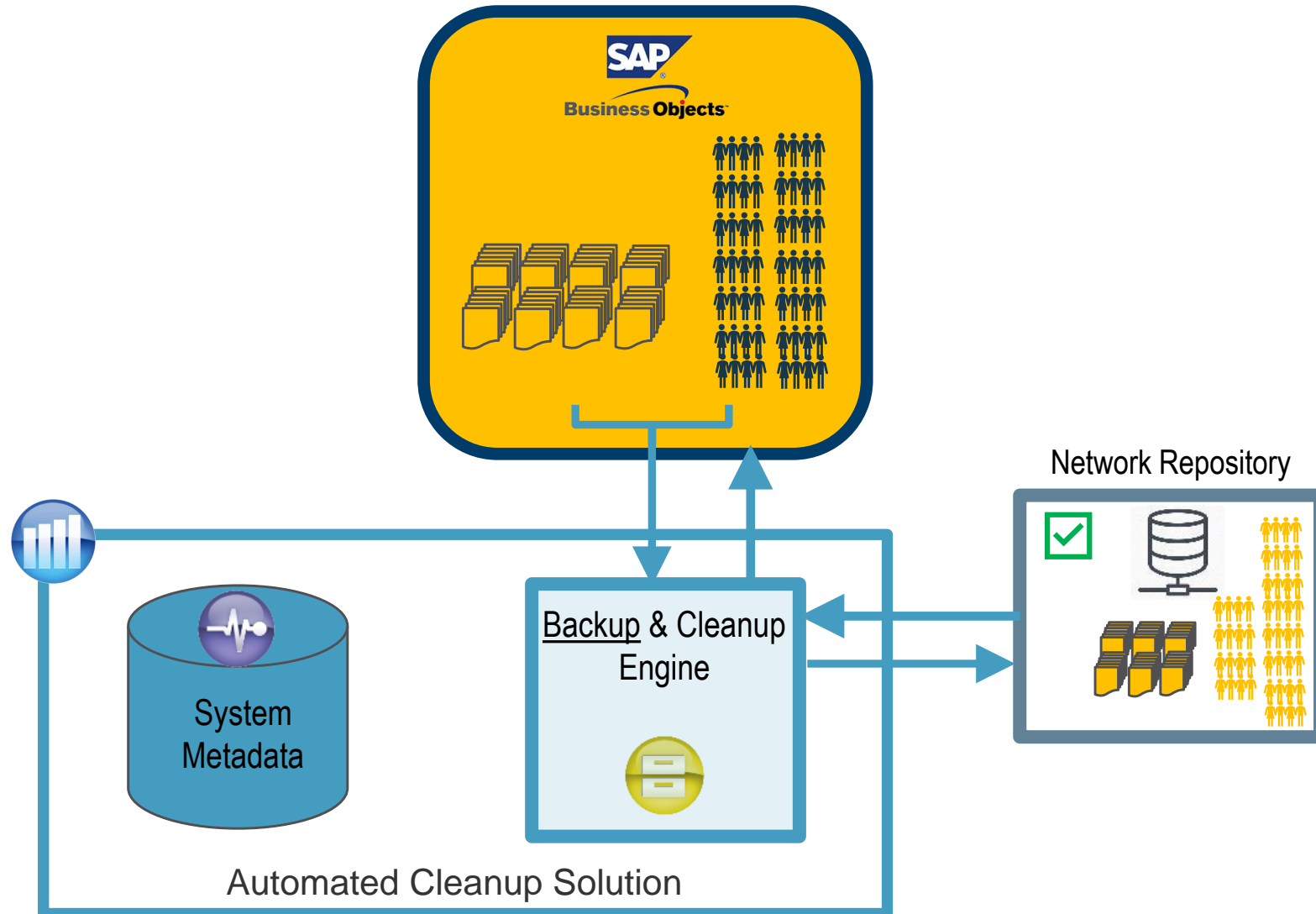


Automated System Clean-Up

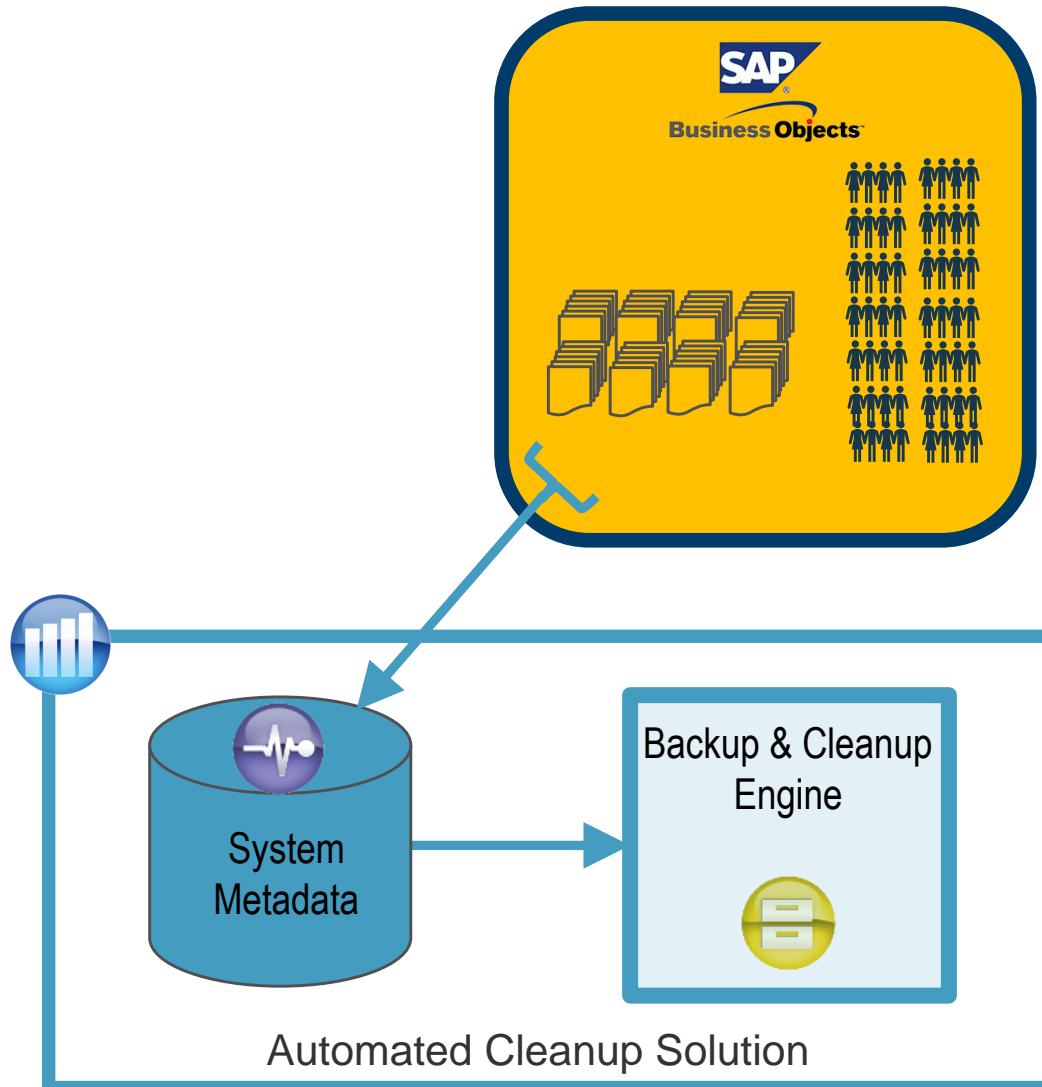


Automated Cleanup Solution

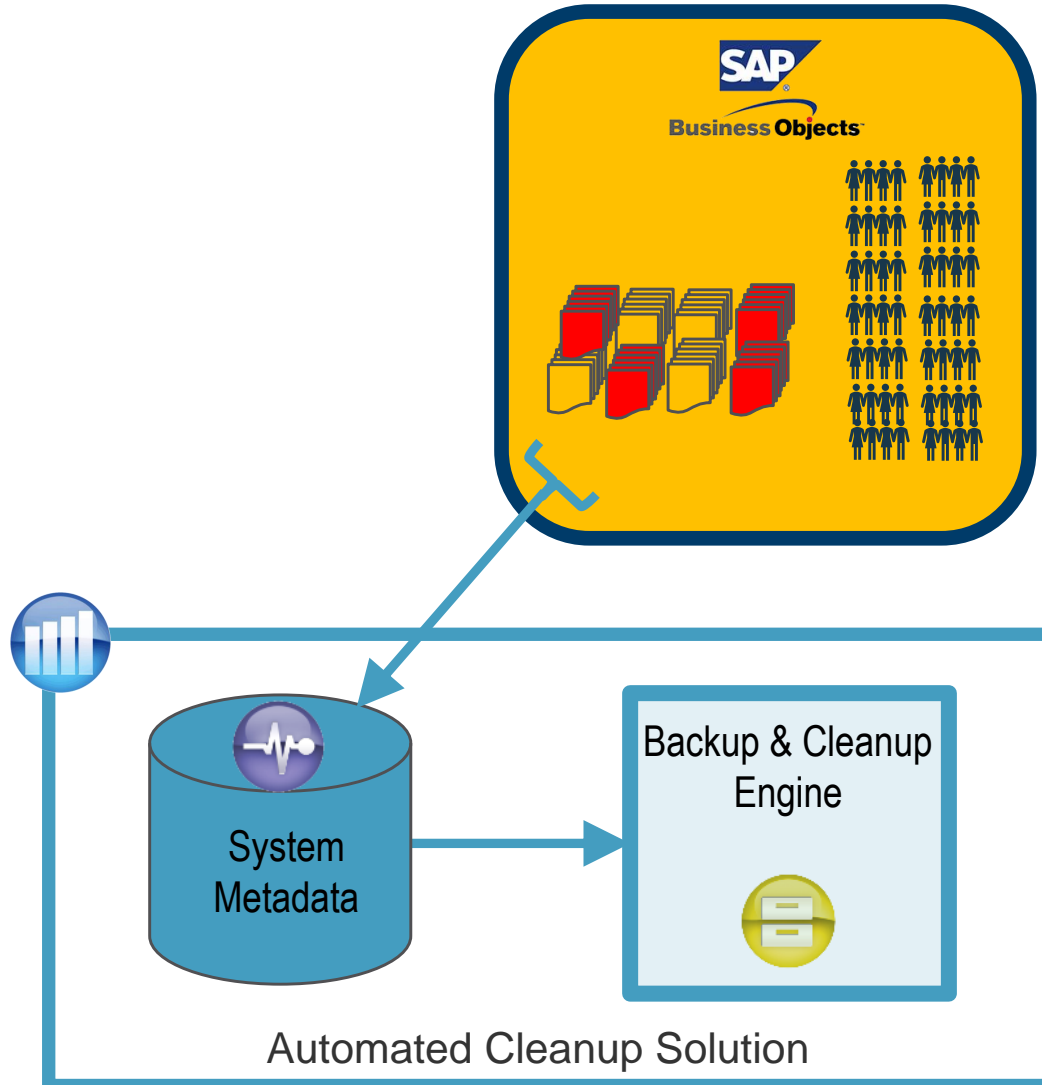
Automated System Clean-Up



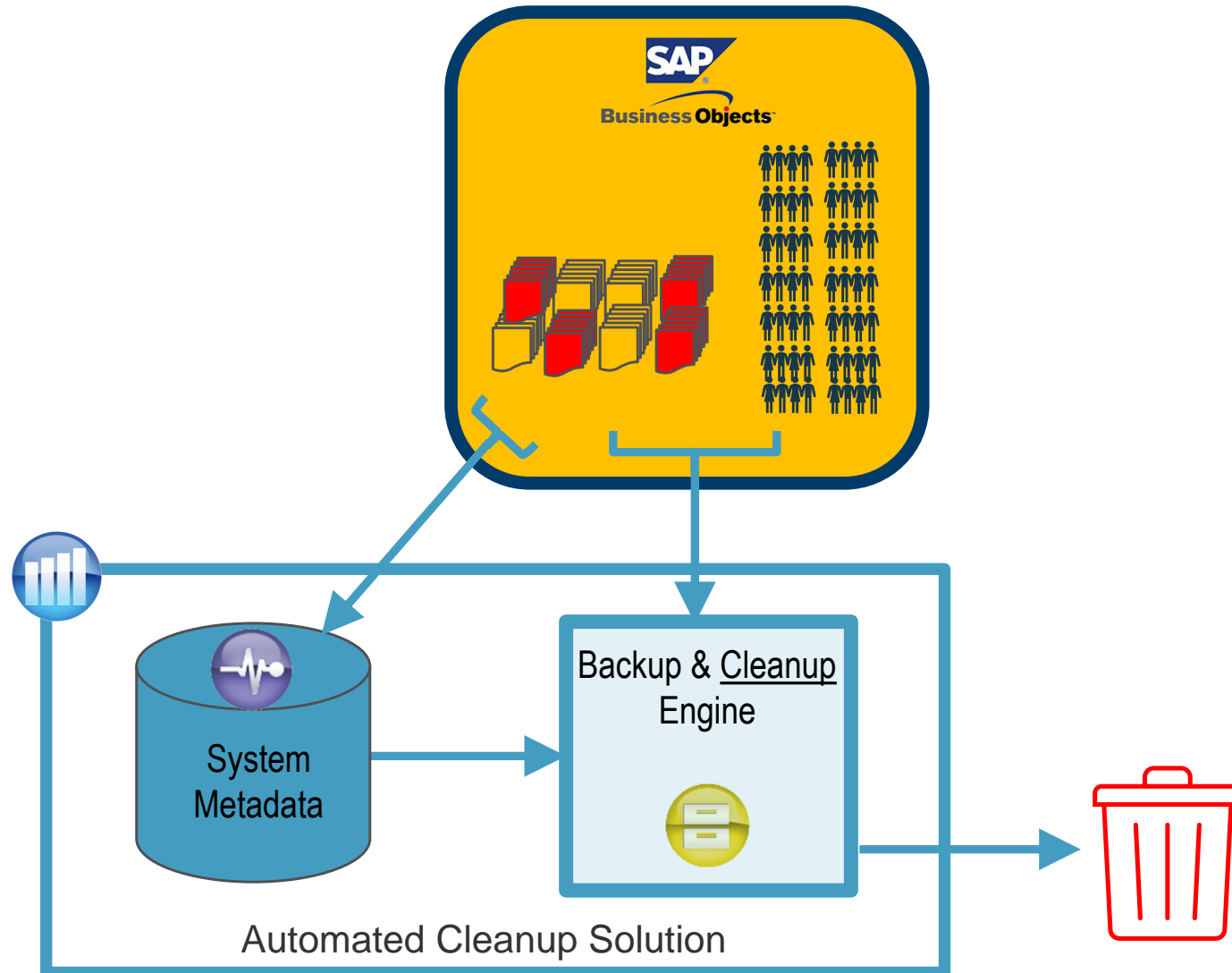
Automated System Clean-Up



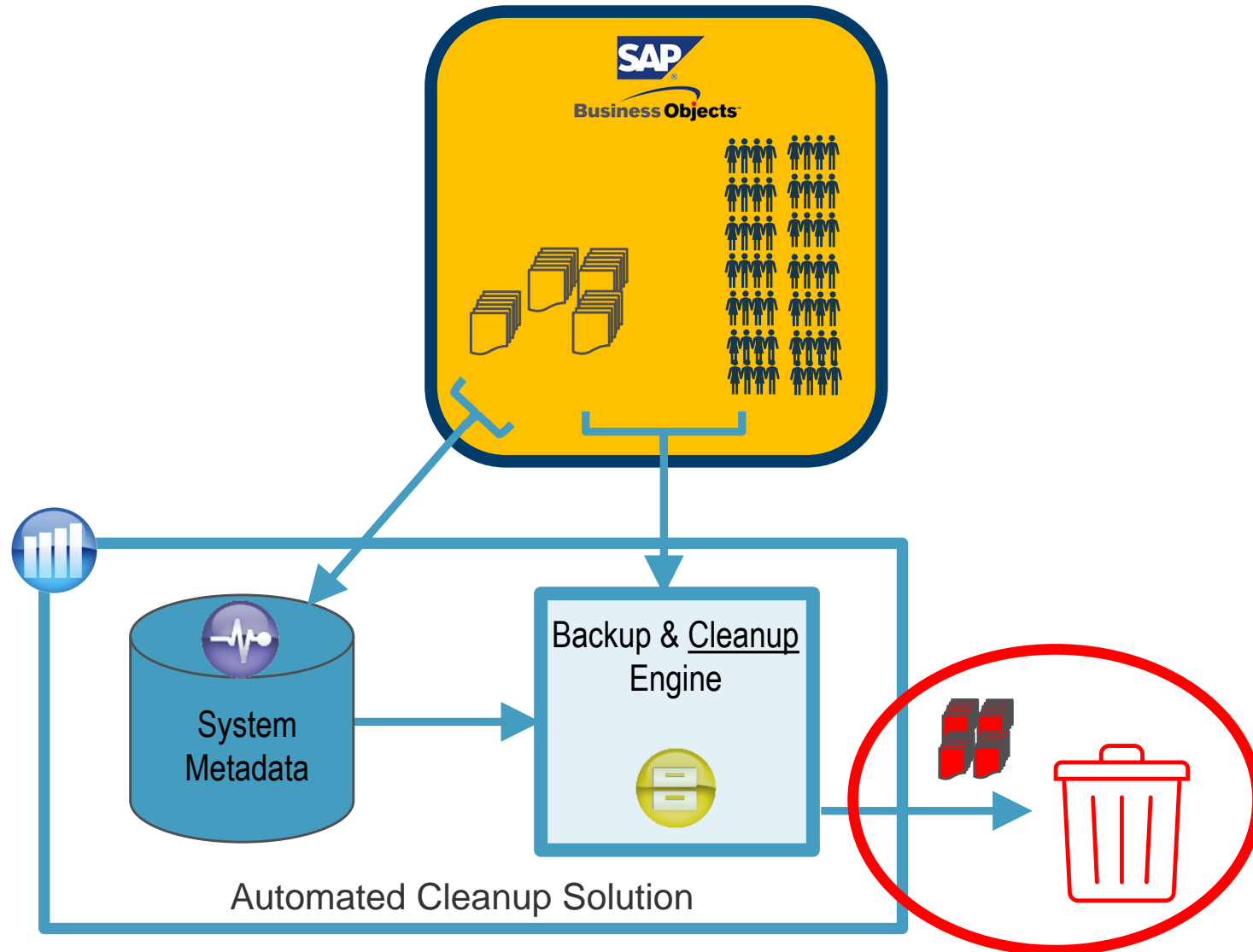
Automated System Clean-Up



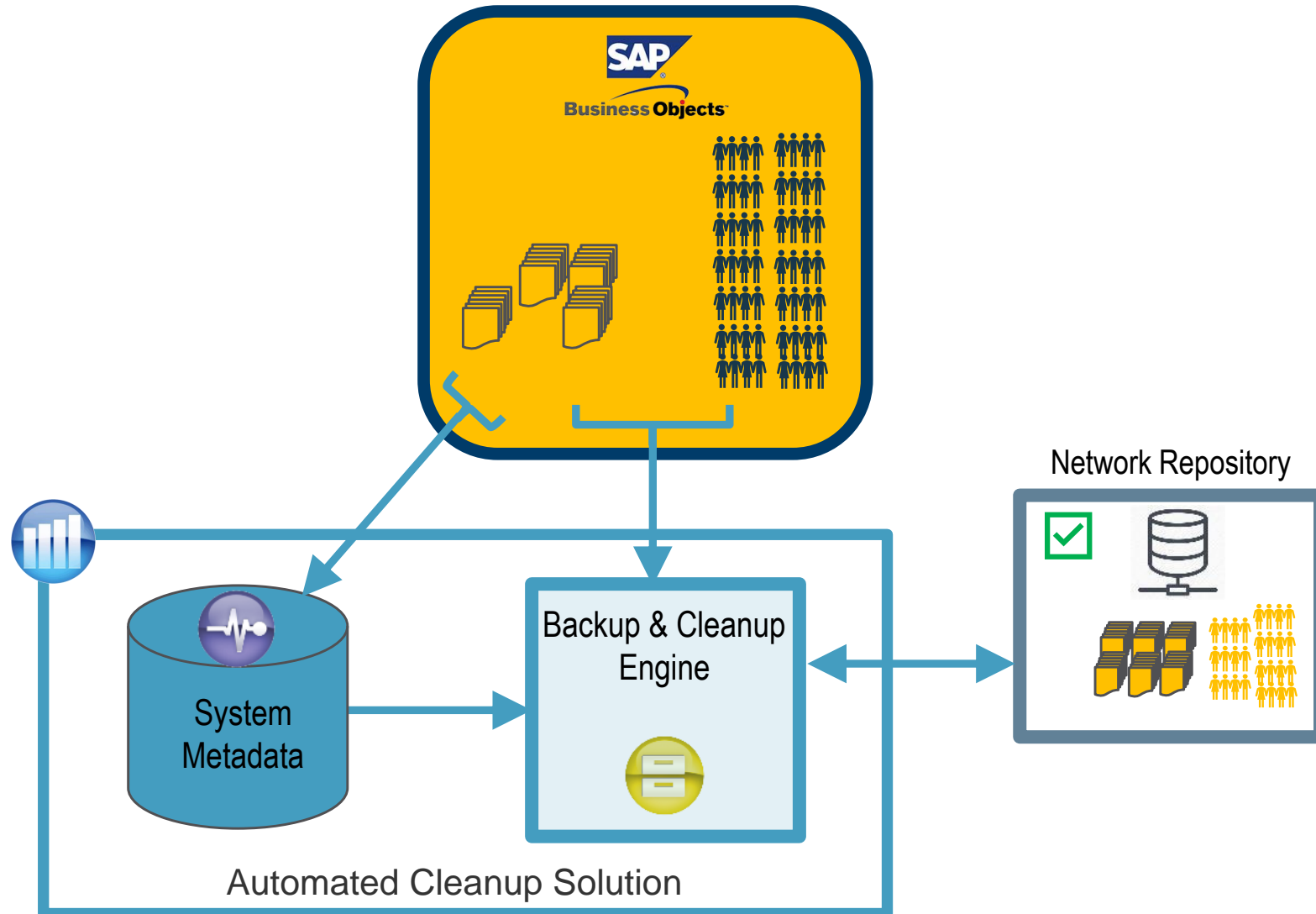
Automated System Clean-Up



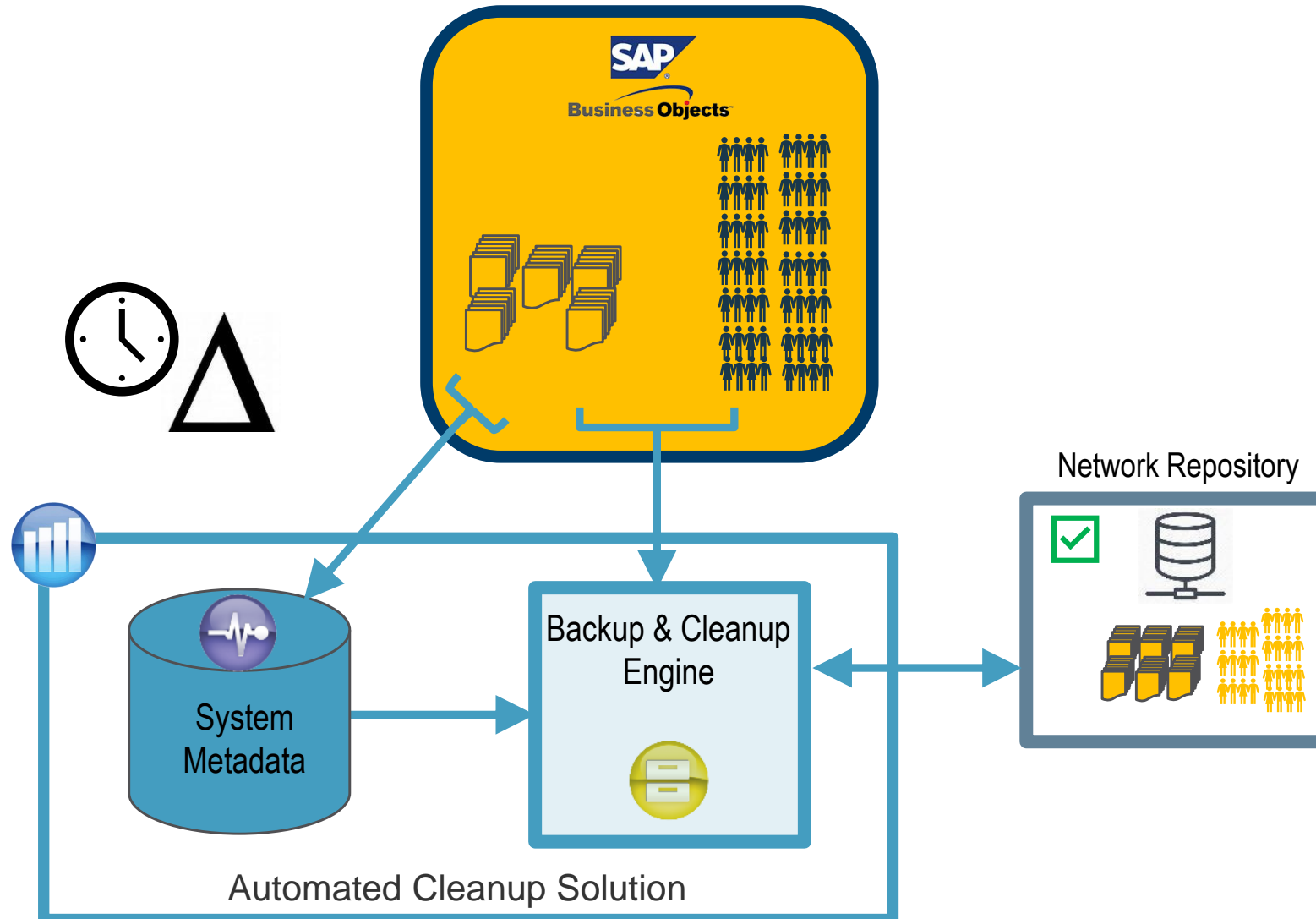
Automated System Clean-Up



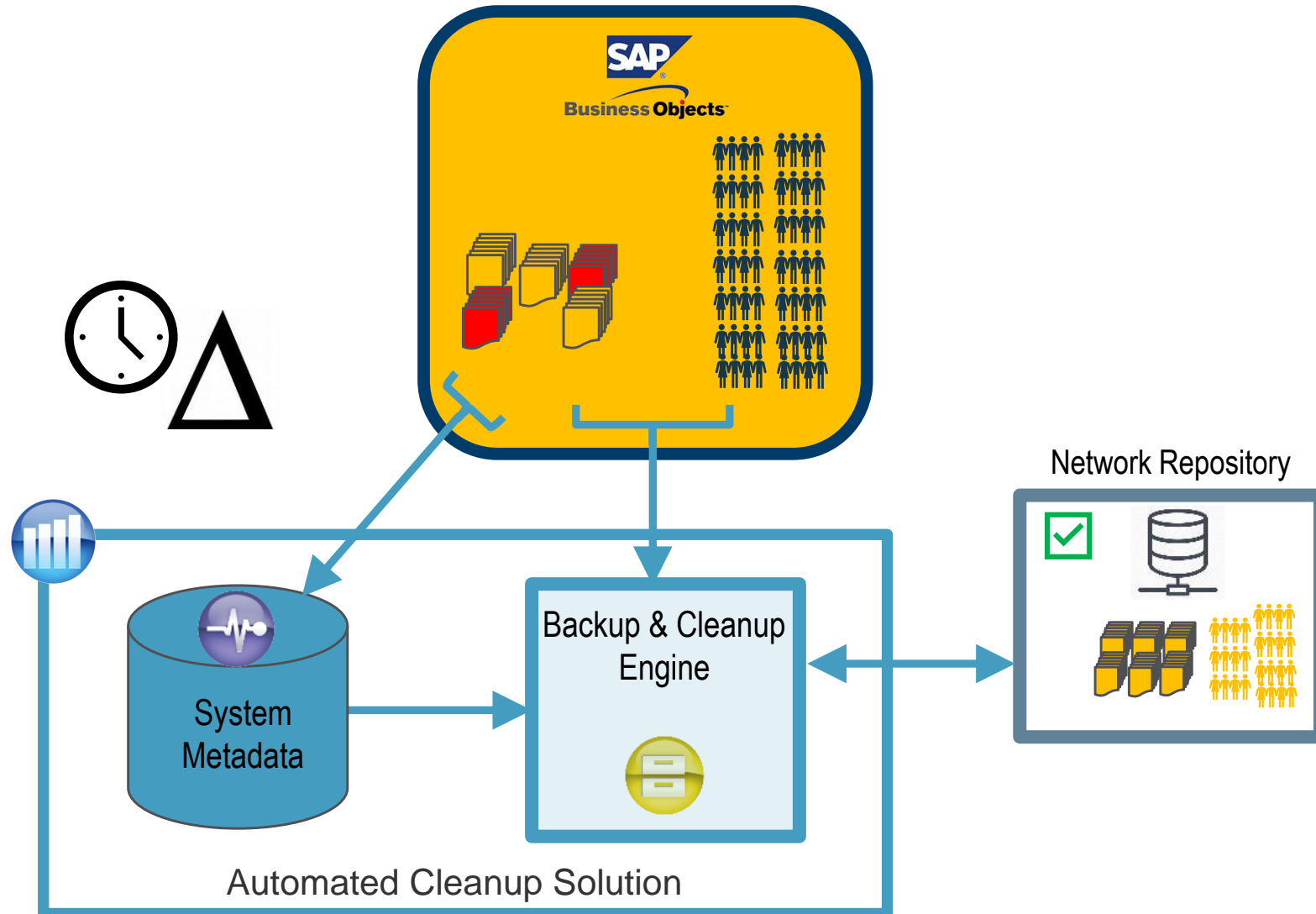
Automated System Clean-Up



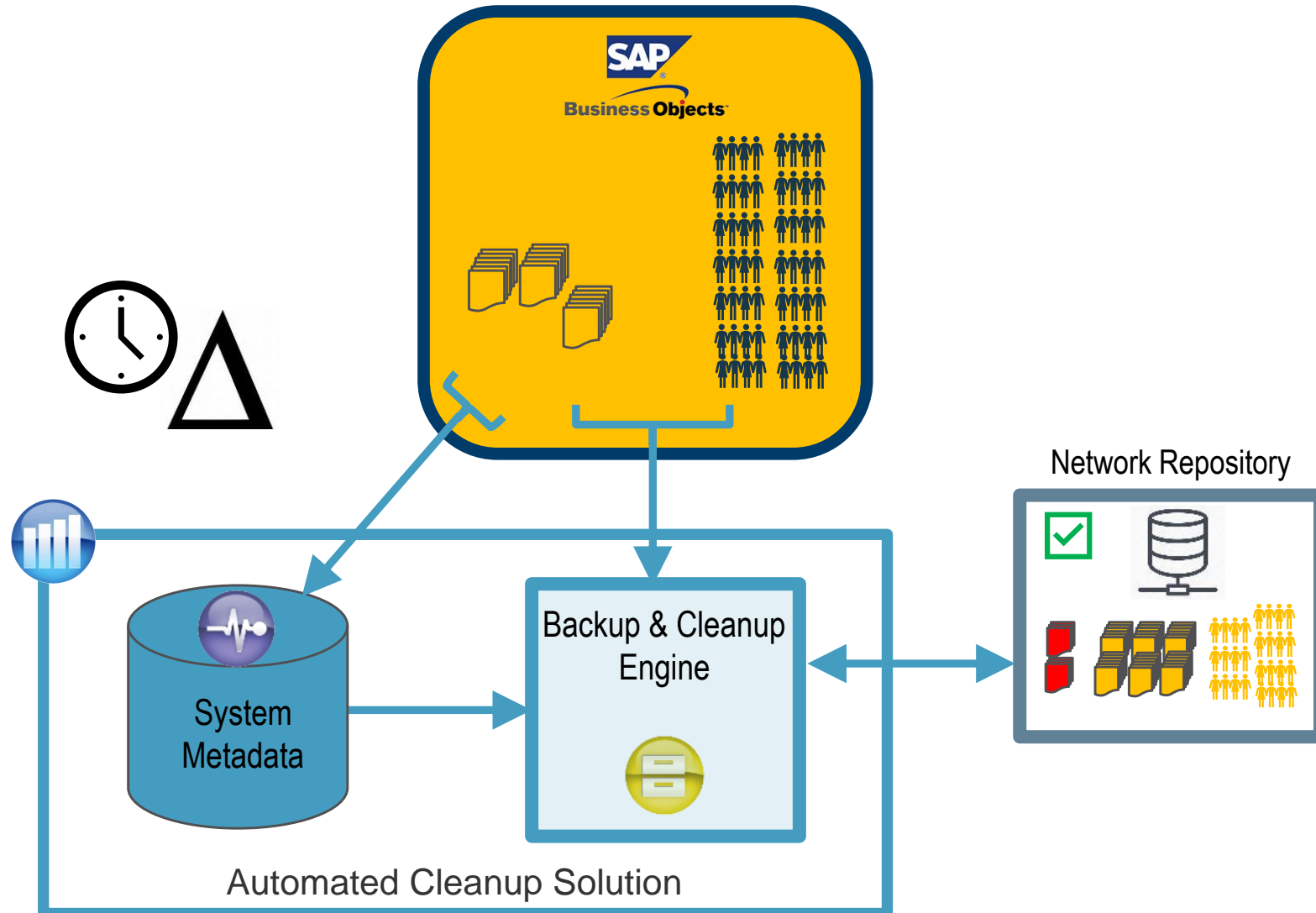
Automated System Clean-Up - Incremental



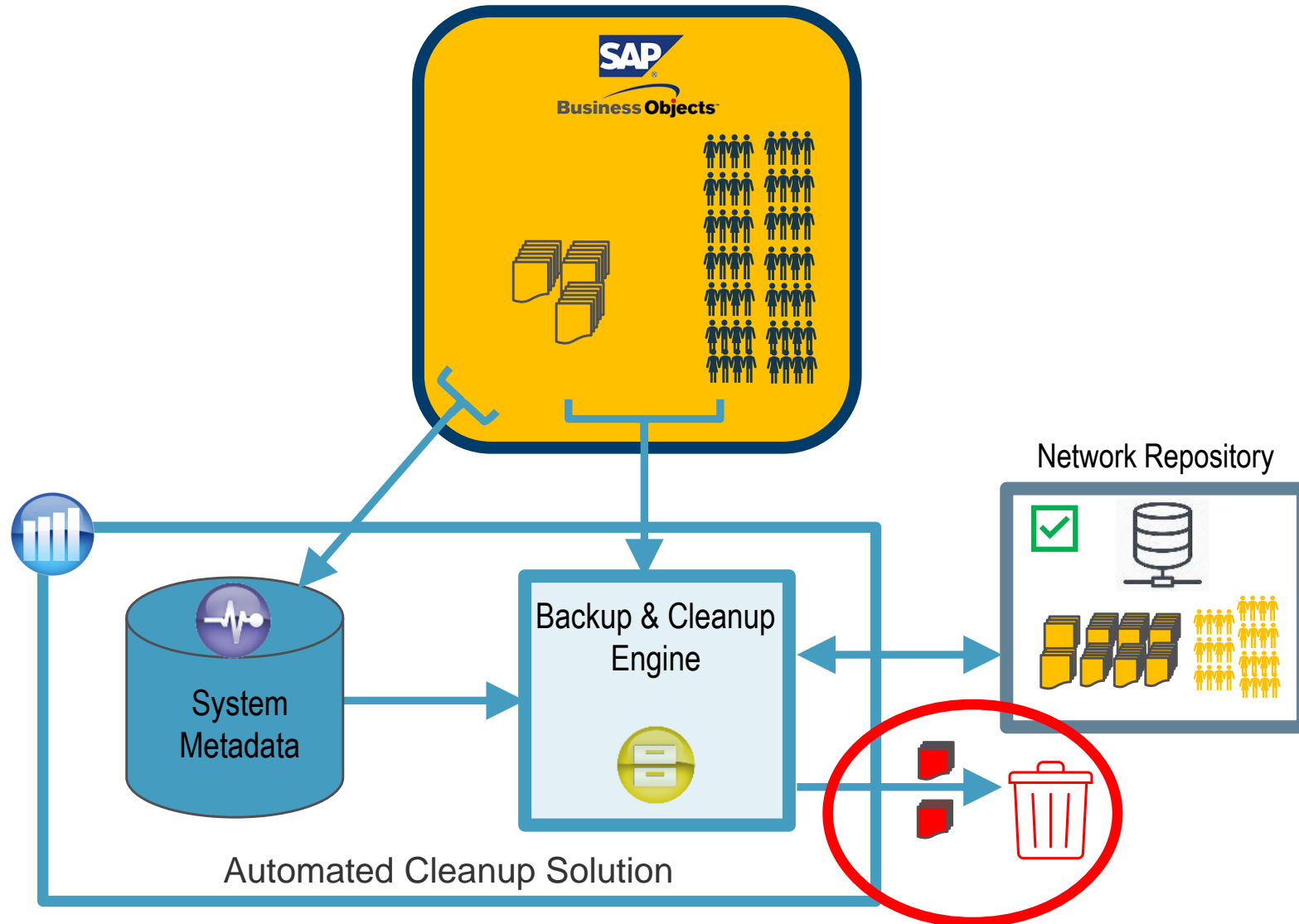
Automated System Clean-Up - Incremental



Automated System Clean-Up - Incremental



Automated System Clean-Up - Incremental



Reduce Content & Users

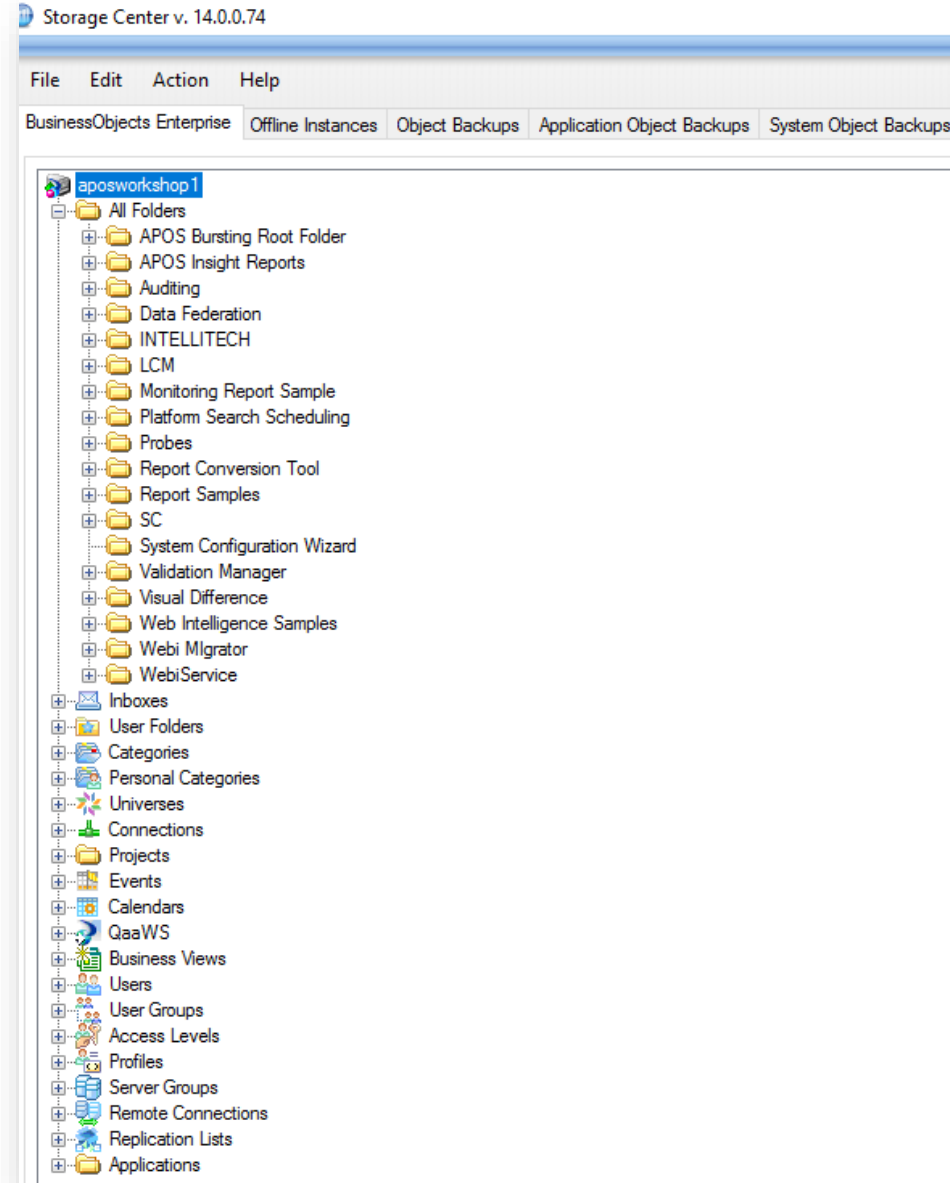


Before	After
Reports = 1200	Reports = 350
Instances = 150,000	Instances = 73,550
Universes = 45	Universes = 20
Users = 750	Users = 500
Groups = 65	Groups = 30
Total Objects = 152,060	Total Objects = 74,450

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



Enterprise Object Backup Settings - All Folders

Object Backup Settings

Do not backup objects

Always backup objects

Only backup objects that have changed

Inherit backup settings from parent

Select which days of the week to perform the object backup:

Sunday Wednesday Saturday

Monday Thursday

Tuesday Friday

Select the weeks of the month you wish to perform the object backup:

Week 1 Week 3 Week 5

Week 2 Week 4 Week 6

Maximum number of backups to store offline:

Backup Method

Standard LCMBIAR Both

Include: Other Objects Security Folder Security

Hyperlinks Shortcuts

Exclude Objects in this folder and subfolders

- 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



- Scale up due 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

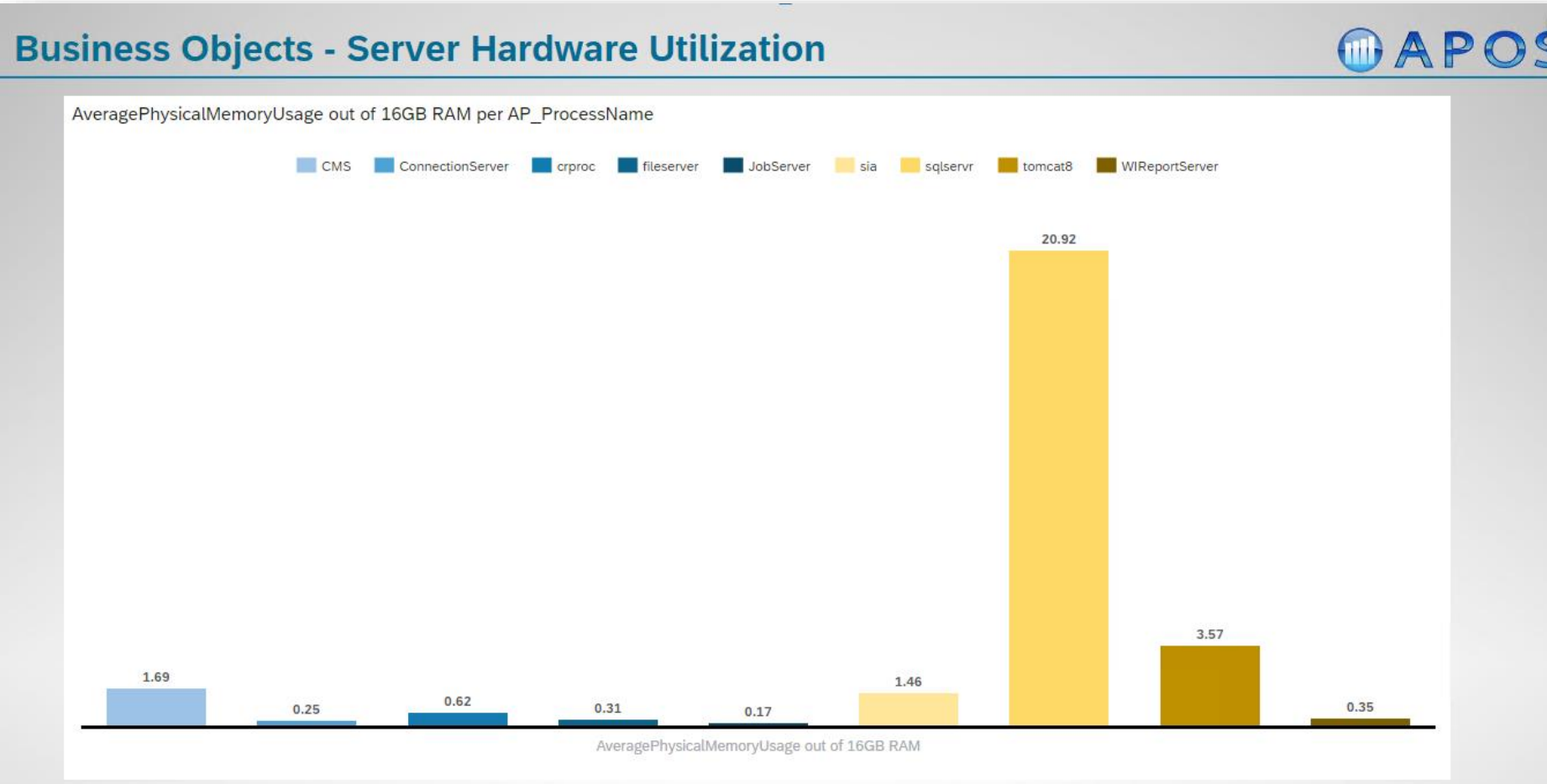


Before Growth

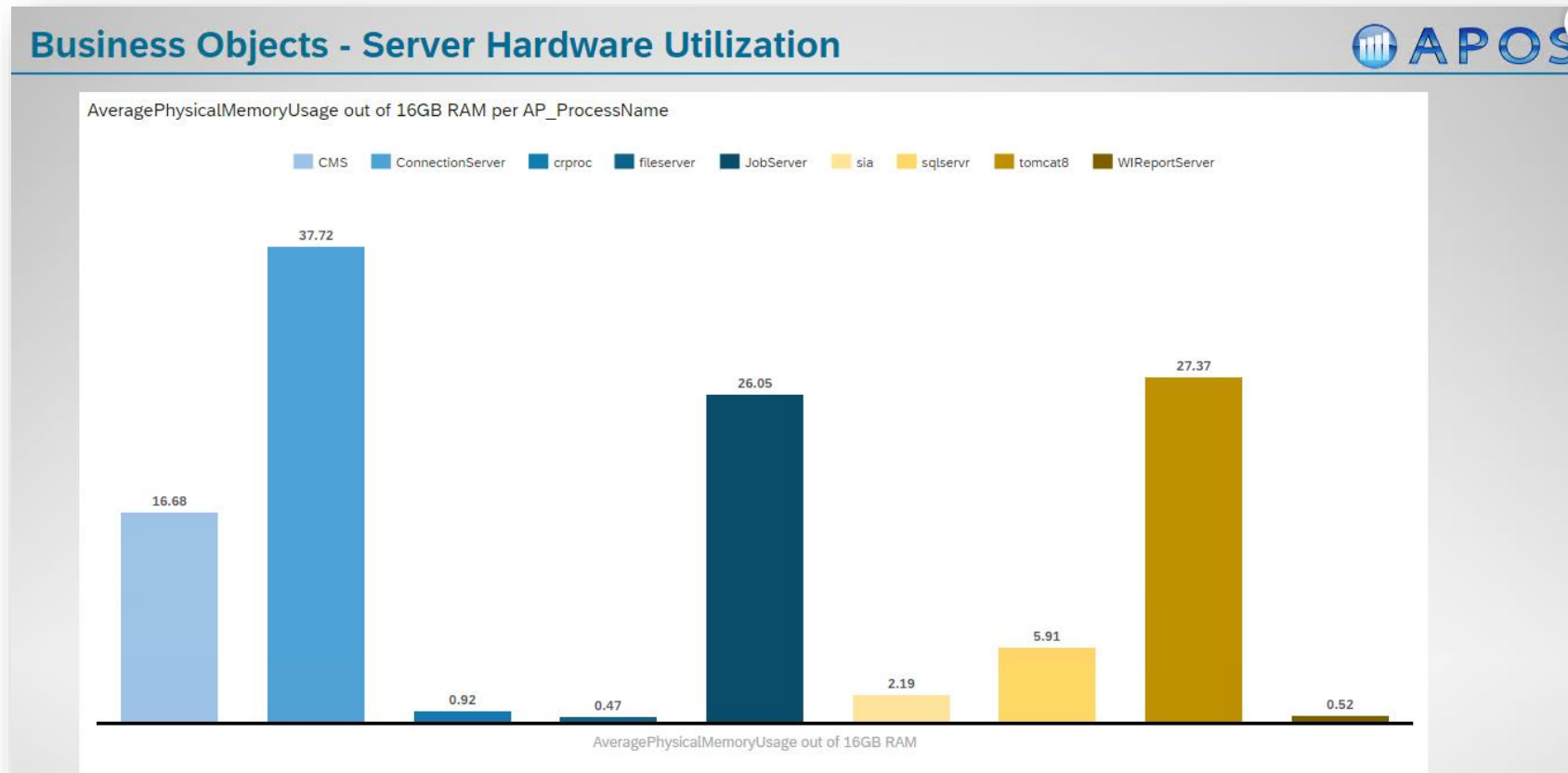


After Growth

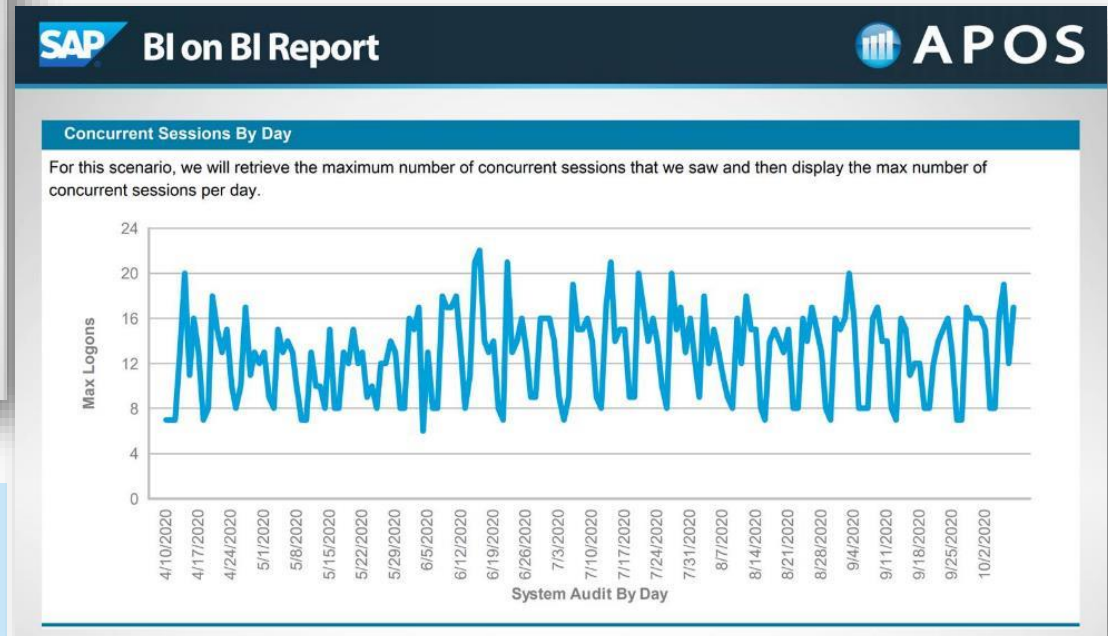
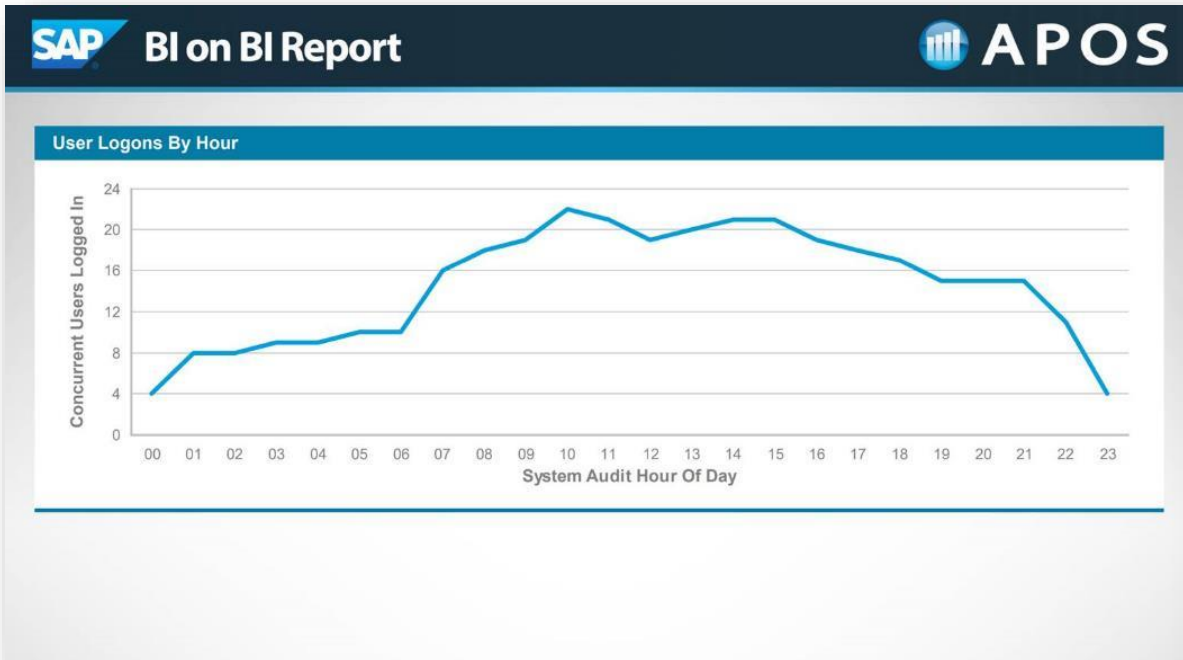
Restructure – Infrastructure – Scale Down?



Restructure – Infrastructure – Scale Up?



Restructure – Licensing Type



Revise licensing based on hardware utilization observations

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

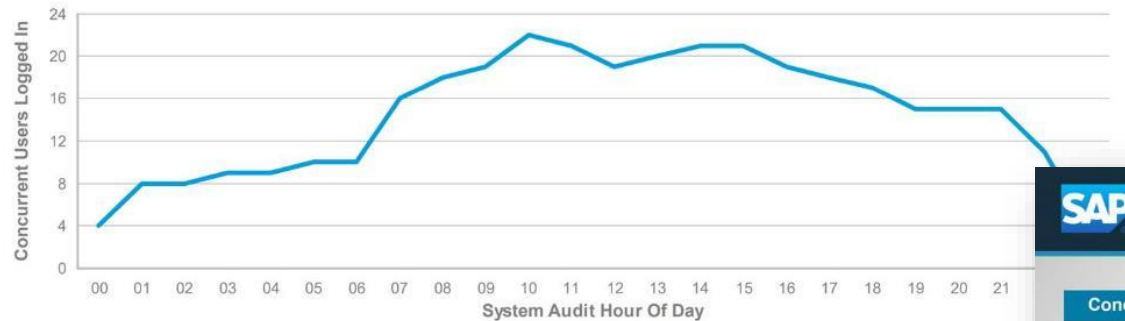
Restructure – Licensing Volume



SAP BI on BI Report

APOS

User Logons By Hour



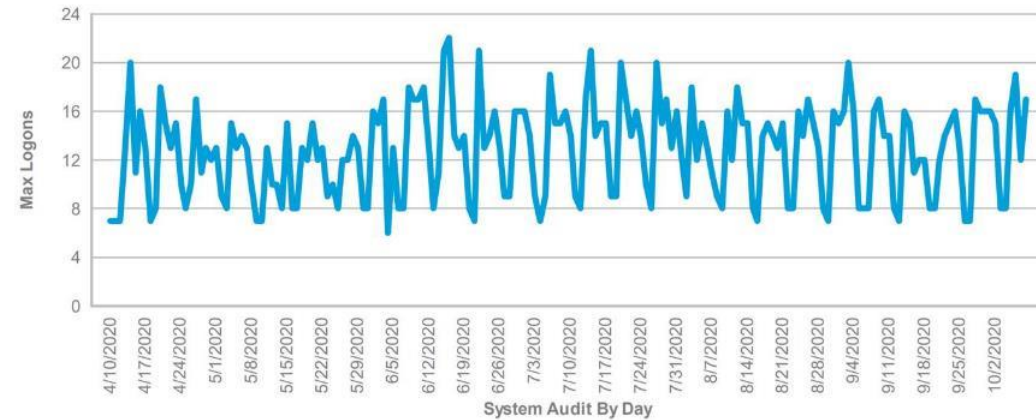
- Am I hitting license maximums too frequently?
- Do I have too many or too few licenses?

SAP BI on BI Report

APOS

Concurrent Sessions By Day


For this scenario, we will retrieve the maximum number of concurrent sessions that we saw and then display the max number of concurrent sessions per day.



Restructure – Cloud Extension Policy




The screenshot shows a web browser window with the URL <https://saphanajourney.com/sap-analytics-cloud/resources/business-objects-extend/>. The page features the SAP logo and the text "Data & Analytics Solutions in the Cloud powered by SAP HANA". The navigation menu includes "PRODUCTS", "RESOURCES", "LEARNING", and "LOG IN". Below the navigation, there is a "Blogs" section with "Products" and "Categories" filters. The main content area has a blue background and displays the following information:







- BLOG** (tag)
- Reading Time: 3 Min
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- Author**
 -  **Andrew Fox**
 - Andrew Fox is a solutions adviser at SAP UK helping organisations transform data into actionable insight.
- SAP ANALYTICS CLOUD**
- Right Size Business Objects BI & Extend into SAP Analytics Cloud**
- FEBRUARY 10, 2020

APOS Insight



 **APOS INSIGHT**


Ensure efficient operations and information governance with metadata management and monitoring







 Change management	 Effective system planning
 System tuning and optimization	 Reduce technical debt
 Strong governance and compliance	 Streamline migrations



APOS Storage Center



 **APOS STORAGE CENTER**
Control risk, increase performance, and manage content lifecycle

 Protect System Content	 Fast System Recovery
 Automated System Cleanup	 Structured System Management
 Improve System Governance	 Simplify Platform Upgrades



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 has been serving the SAP BusinessObjects user community for 20 years, providing solutions for automating key functions in managing an SAP BI platform.

Whether you are upgrading your on-premise BI in preparation for SAP BusinessObjects 2024, moving to SAP BusinessObjects Private Cloud Edition, or migrating to SAP Analytics Cloud, migrations can be challenging, putting strains on resources, so streamlining and automating processes is needed. APOS solutions simplify and automate many key processes in a successful SAP BusinessObjects migration.



SAP BusinessObjects Migration Kit

Upgrade Readiness, Execution & Content Governance

Achieve a streamlined, efficient and effective deployment that is upgrade ready. APOS solutions help you run bulk upgrade operations, validate content, optimize security, and maintain your BI environment.

[Learn More](#)

SAP BusinessObjects Private Cloud Edition (PCE) Adoption Kit

Streamline, simplify, safeguard, and accelerate your move to SAP BusinessObjects Private Cloud Edition (PCE)

The PCE Adoption Kit by APOS bundles time-tested APOS technology to simplify migration from on-premise to the Cloud, providing vital automation to assist you through the stages of your migration.

[Learn More](#)

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



View a webinar on-demand



- **Flashes of Insight - Simplify SAP BusinessObjects Administration & Governance**
- **Simplify Your SAP BusinessObjects Upgrade**
- **Extend Analytics Content with Bursting & Publishing**
- **Extend Analytics Data Connectivity**



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