

WEBINAR

Right-Sizing SAP BusinessObjects

to Lower your
Technical Debt Ceiling



Today's Session

Key Topics

Right-Sizing SAP BusinessObjects

- Technical Debt
 - Rationalizing
 - Reducing
 - Restructuring
-
- Q&A – see webinar console

Today's Presenters:



ALLAN PYM

COO
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 Analytics Cloud, SAP BusinessObjects, and SAP data analytics
- Strategic SDK development and consulting
- Hundreds of customers globally





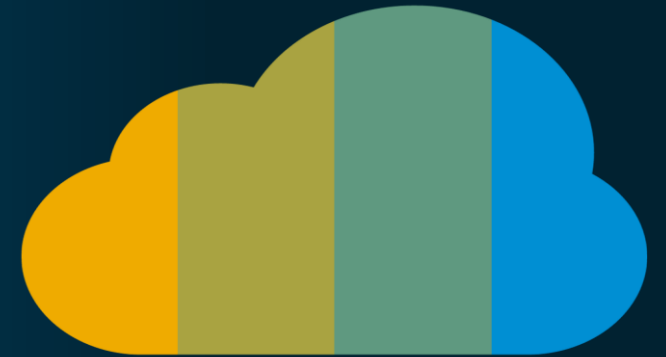
APOS



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



Download the **handouts** in the panel

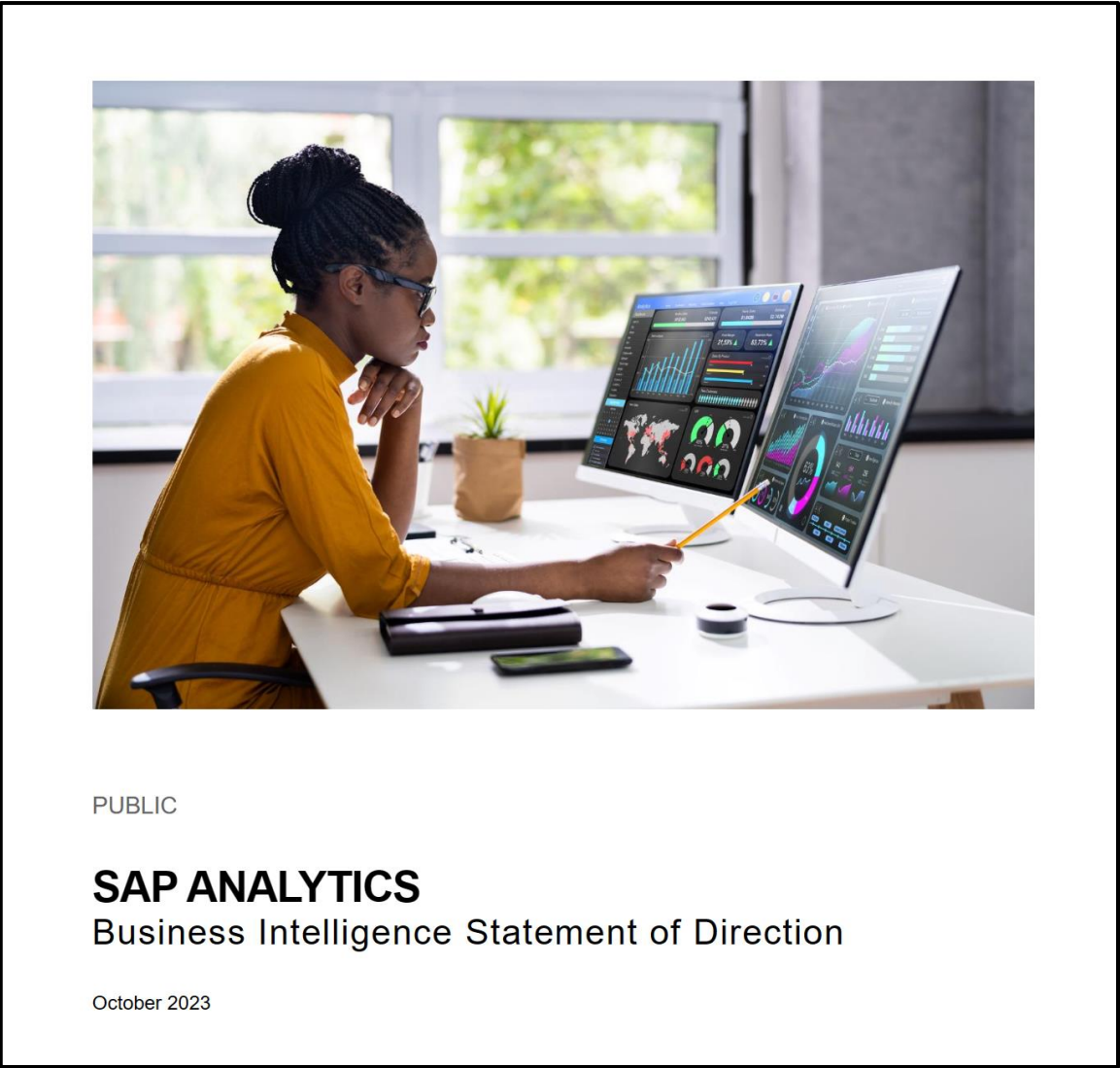


Tell us how we did in the **survey**

The Road Ahead for SAP BusinessObjects



Updated Statement of Direction – SAP BI & Analytics



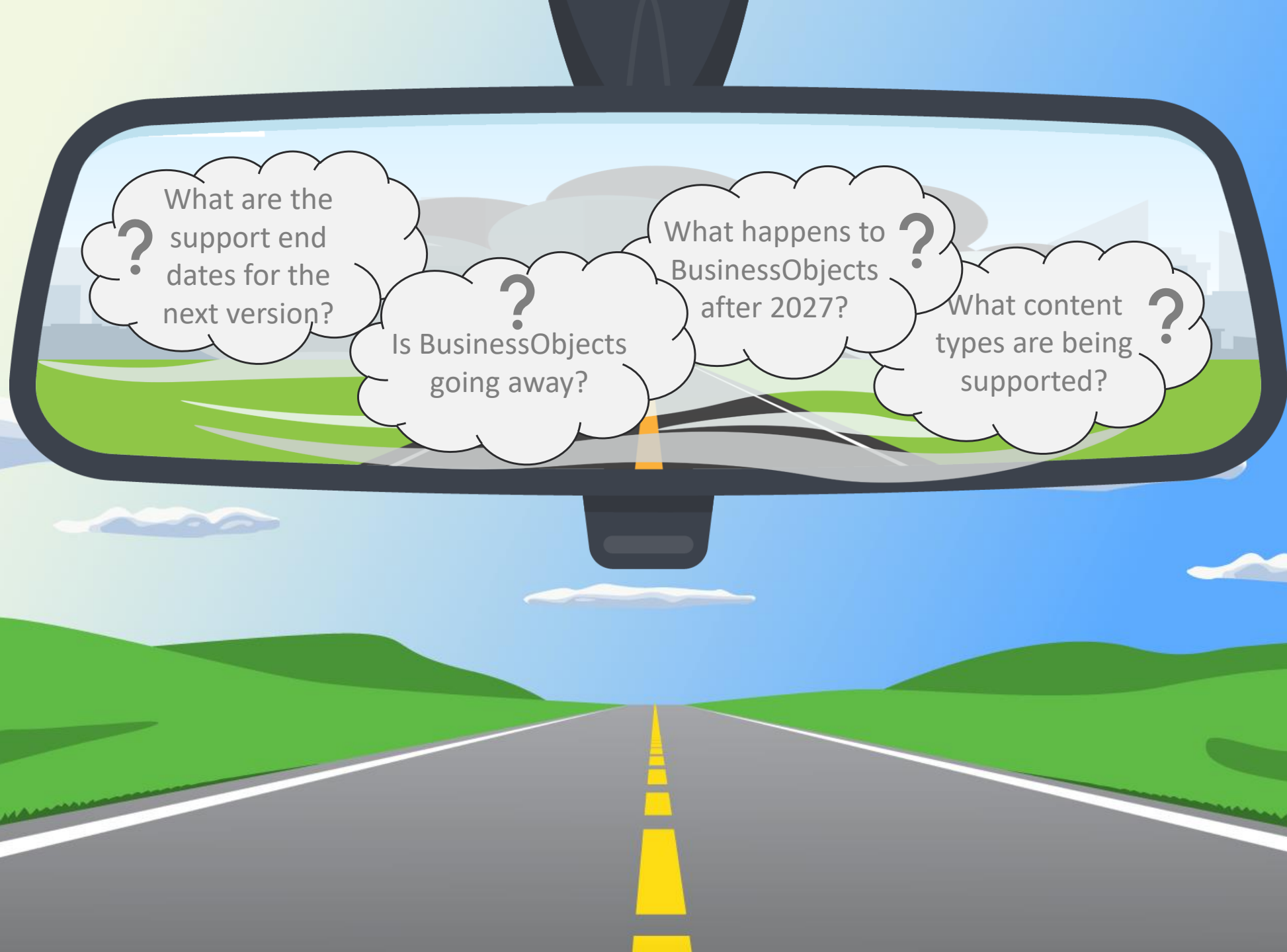
PUBLIC

SAP ANALYTICS Business Intelligence Statement of Direction

October 2023



Rear View Mirror

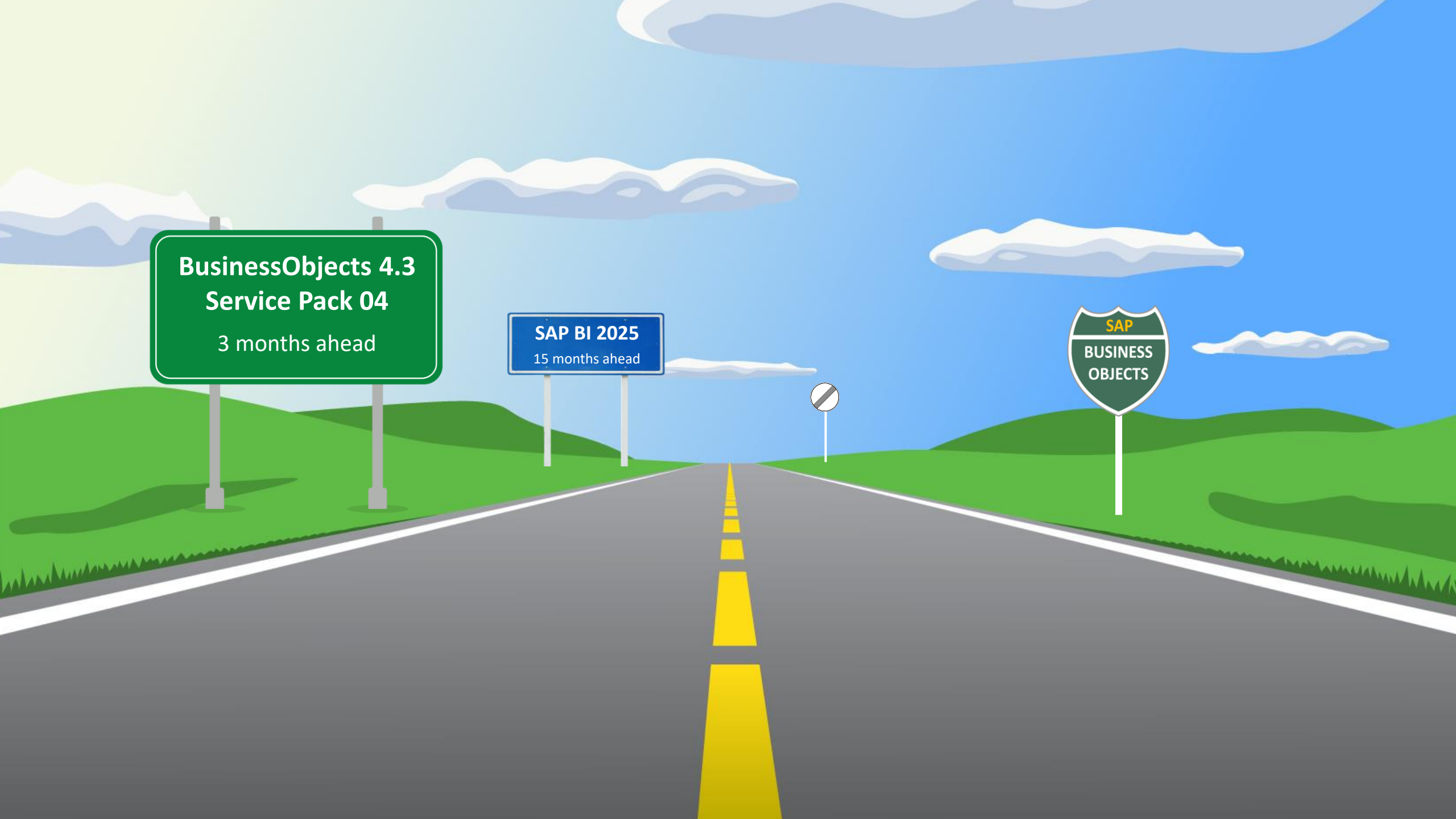


? What are the support end dates for the next version?

? Is BusinessObjects going away?

? What happens to BusinessObjects after 2027?

? What content types are being supported?



BusinessObjects 4.3
Service Pack 04
3 months ahead

SAP BI 2025
15 months ahead

SAP
BUSINESS
OBJECTS

Regrouping for your SAP BusinessObjects Future



Regrouping for your SAP BusinessObjects Future

Recommendations:

- Take stock of what you have
- Assess & action unsupported content
- Right-size your system content
- Upgrade platform to Version 4.3
- Upgrade Universes to UNX format
- Automate for efficient management



Regrouping for your SAP BusinessObjects Future

Right-size your system content

Many organizations have a significant amount of unused and unnecessary content residing in their system – excessive 'Technical Debt'





Fred Walther
Senior Solution Consultant
APOS

What is Technical Debt

Technical Debt is accrued work that is 'owed' to an IT system.

- Technical debt can accrue when teams delay performing regular maintenance on the system.
- Eventually, technical debt can accrue into a critical mass where the software becomes unstable, and customers become dissatisfied.
- Delayed maintenance can also result in significantly higher support costs...

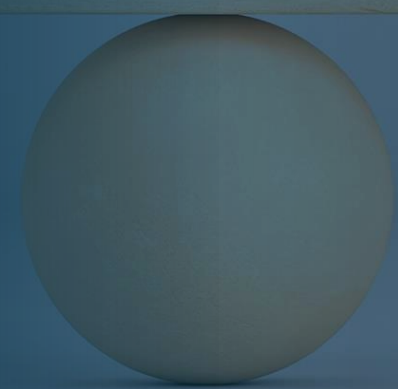
...as defined by **Gartner**



Technical Debt in SAP BusinessObjects

All system content can be considered Technical Debt:

- Report Objects
 - Report Instances
 - Universes
 - Connections
 - Users
 - Groups
 - Security
 - Schedules
- What content is useful?
 - What content is not useful?
 - What debt can be eliminated?



Symptoms of Too Much Technical Debt

- Challenging system management and maintenance
 - Content edits, updates, administration
 - Content lifecycle management and controls
 - User and usage changes; security management
- Complex system analysis
- Heavy upgrades/migrations
 - Content migration, Content testing
 - Bloated migrations
- Reduced system performance
 - Skewed infrastructure planning
 - Stretched storage resources
- Difficult governance and audits

Why Remove Unnecessary Technical Debt

- All system content is meaningful and utilized
- Streamlined management and maintenance
- Improved system analysis and audits
- Simplified upgrades/migrations
- Efficiently sized and utilized infrastructure
- Reduced burden on BI Team
- Improve business value of deployment

What is your Technical Debt Ceiling?

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\Enl | 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

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



APOS Insight
Universe List with Reports

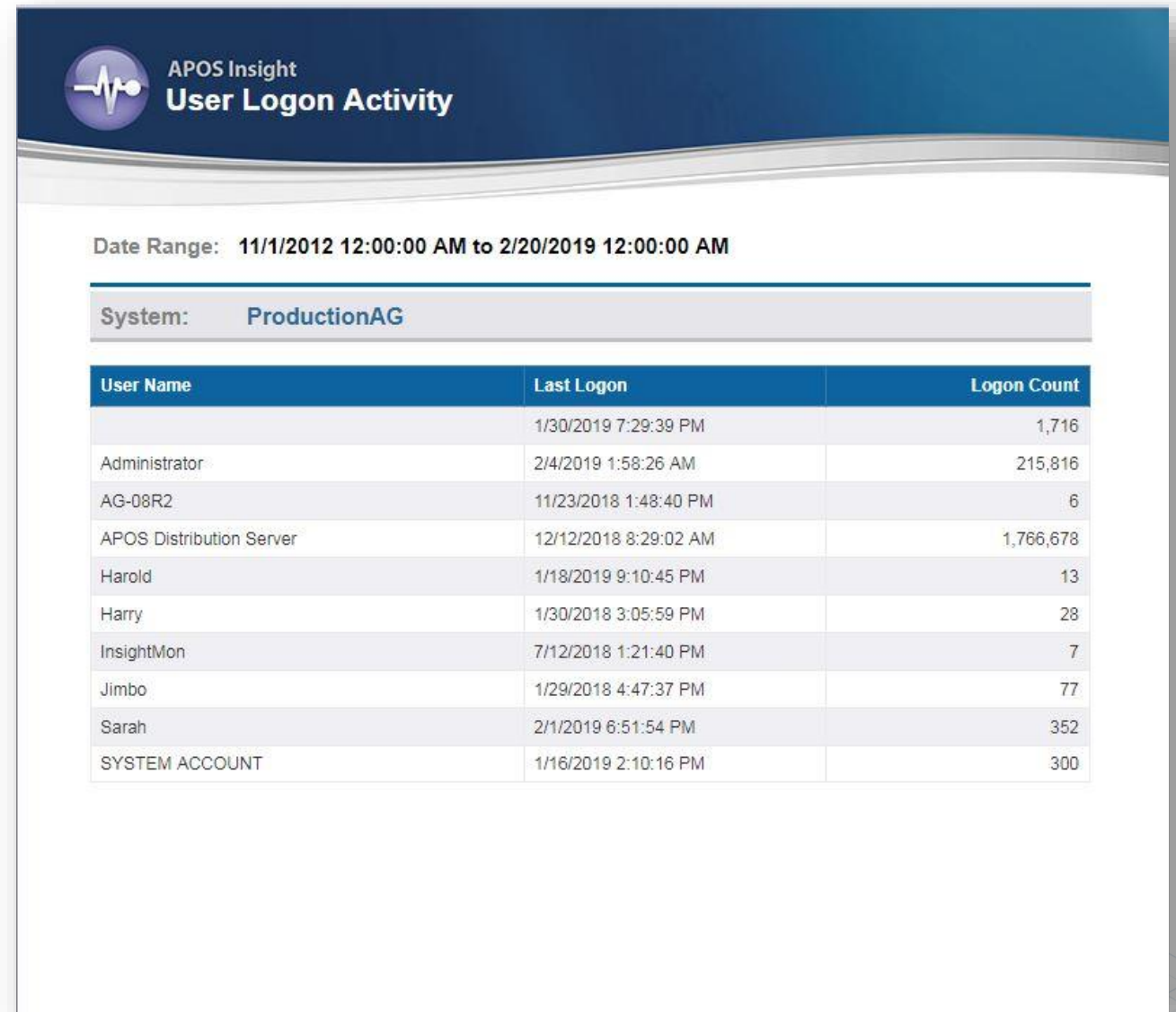
| Universe Folder and Name | Number of Reports |
|--|-------------------|
| Universes/APOS Insight/Insight4 - SQL Server | 37 |
| Universes/APOS Insight/Insight4 - Oracle | 35 |
| Universes/Samples/eFashion.unx | 32 |
| | 14 |
| Universes/Samples/Rio2016.unx | 7 |
| Universes/WebiMigratorUNX/WebiMigrator.unx | 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 |



Rationalize – Users/Groups

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



APOS Insight User Logon Activity

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

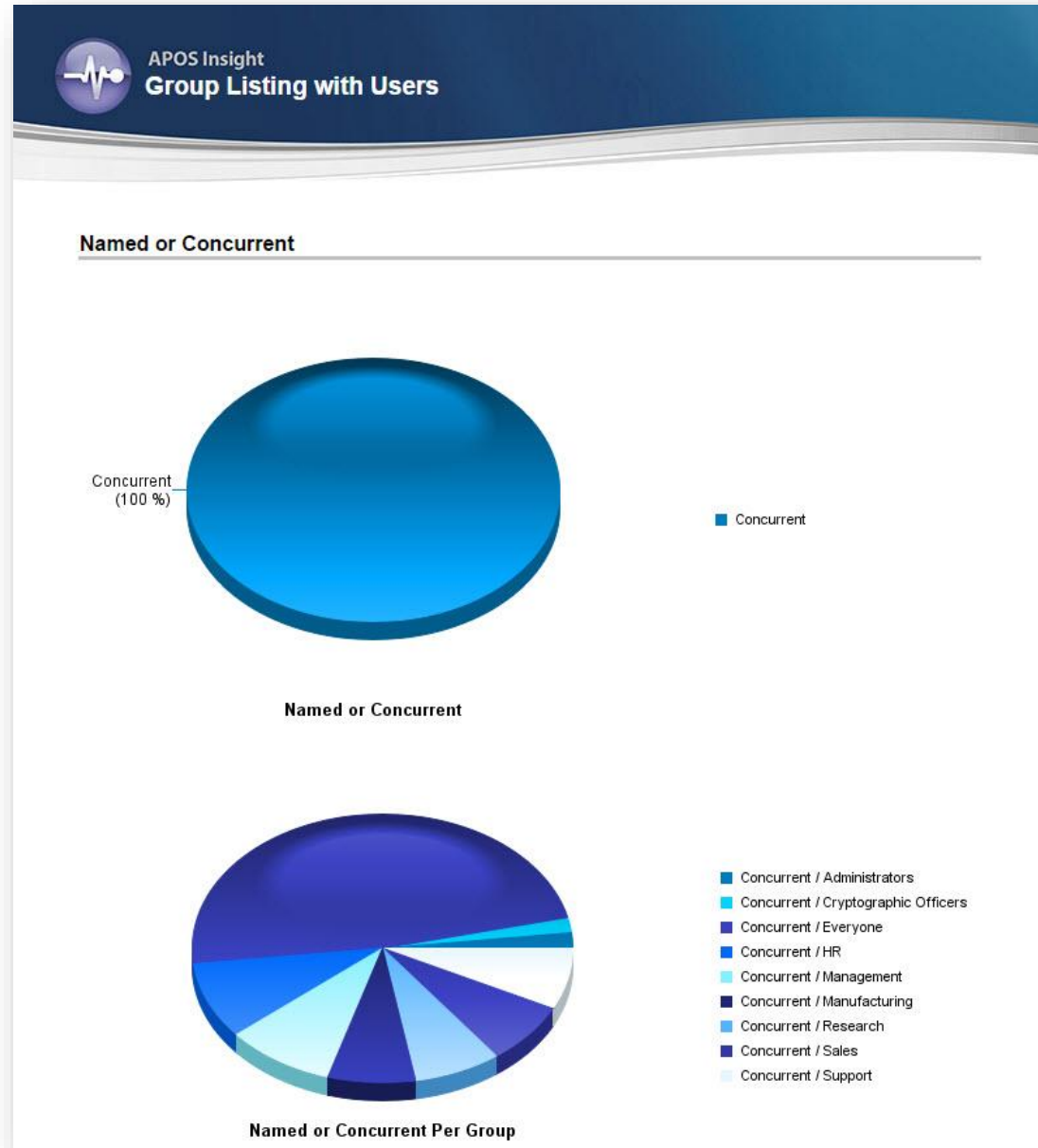
System: ProductionAG

| 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 |



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?

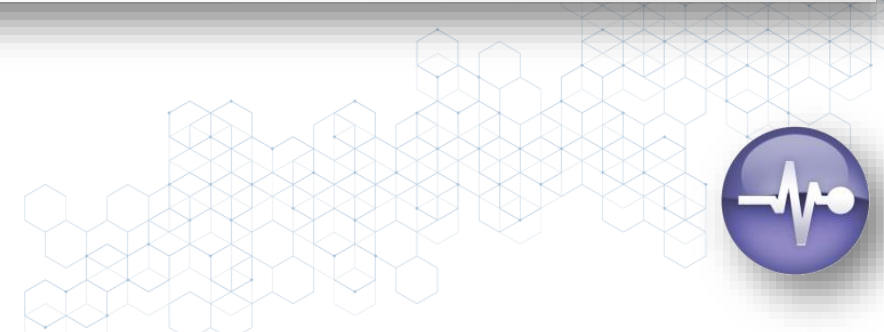
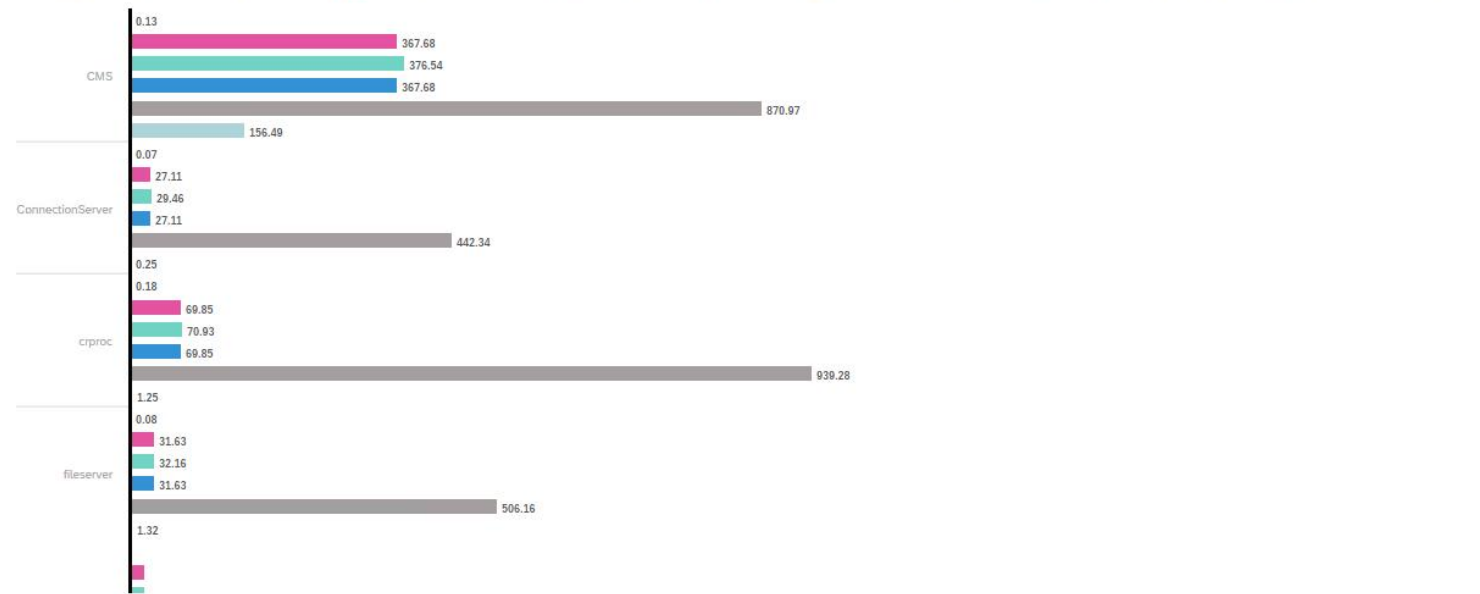
Business Objects - Server Hardware Utilization



AP_NonpagedSystemMemorySize64, AP_PagedMemorySize64 and others per AP_ProcessName

In Billion

AP_NonpagedSystemMemorySize64 AP_PagedMemorySize64 AP_PeakPagedMemorySize64 AP_PrivateMemorySize64 AP_PeakVirtualMemorySize64 AP_UserProcessorTime



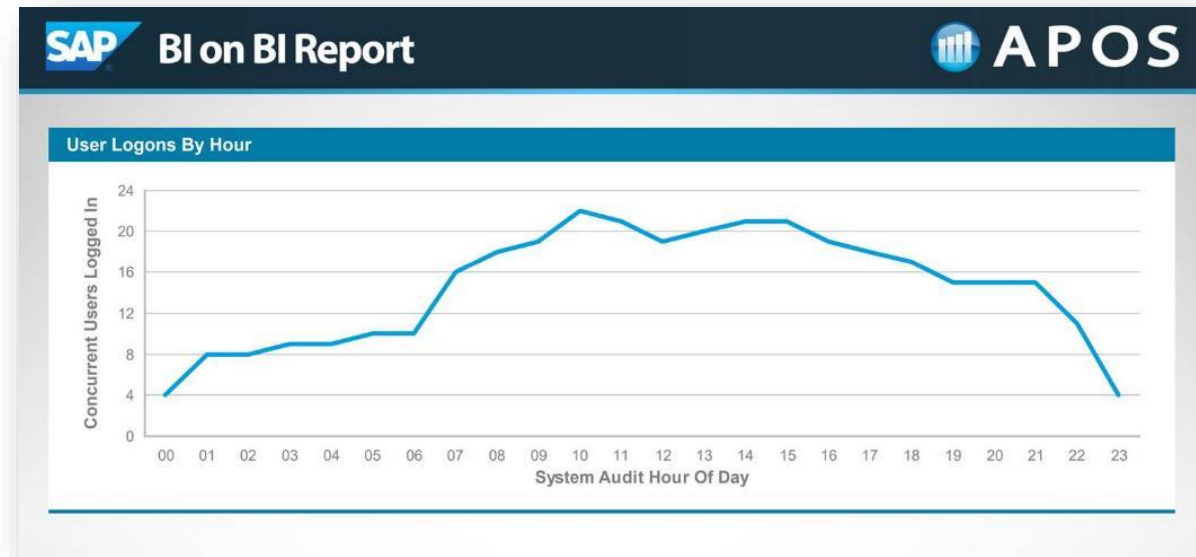
Rationalize – Licences

- 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 | 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 – Licenses


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



APOS Insight
Connection Count

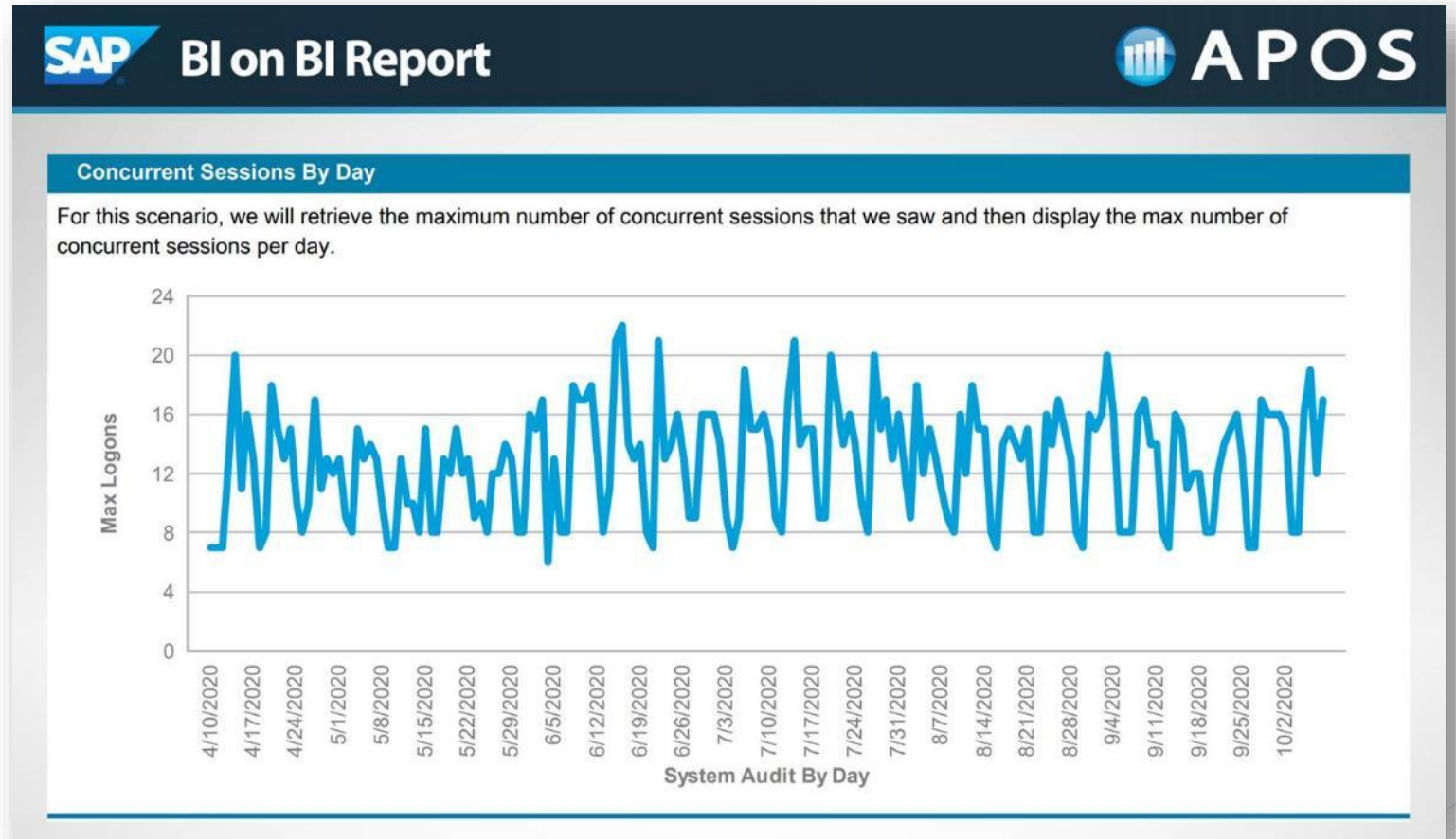
AG-08R2
2015-02-09

| 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 – Licenses

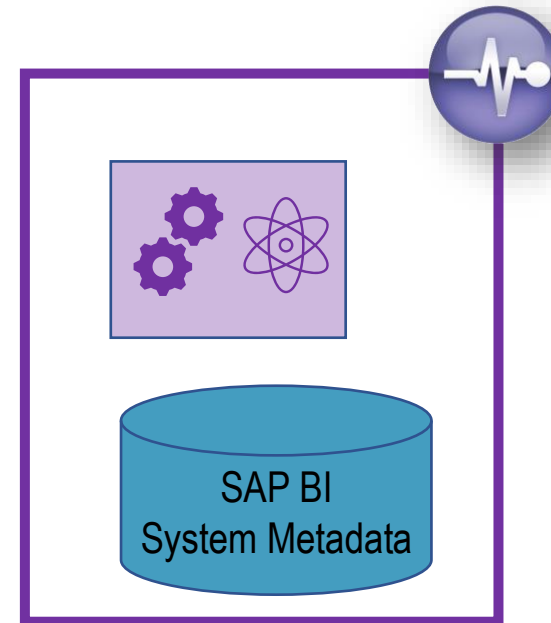
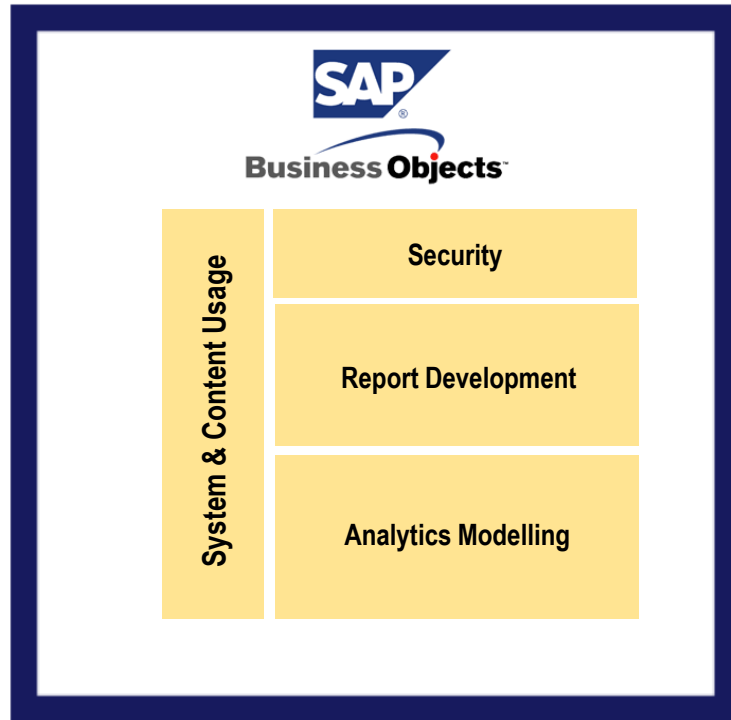
- What are concurrent session activity highs and lows?



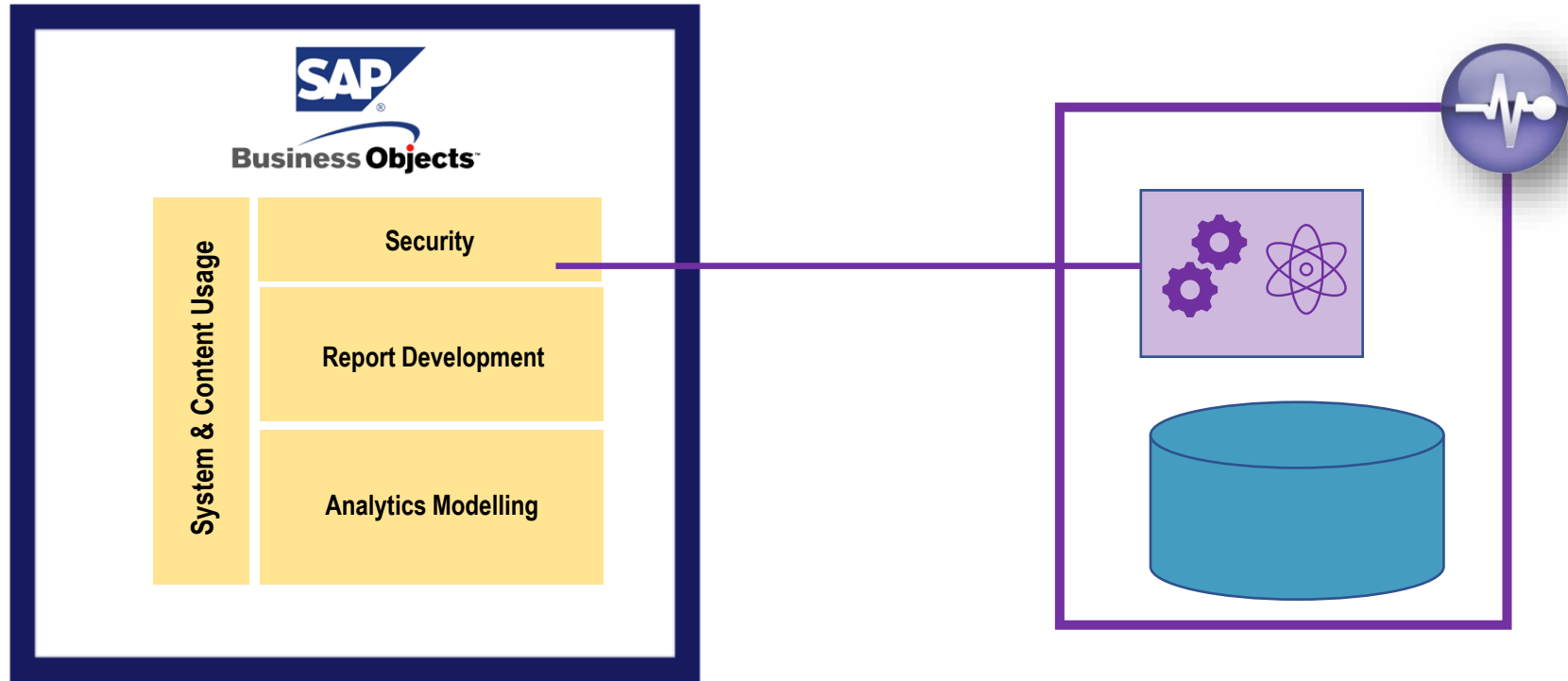
APOS Insight – SAP BI Knowledge



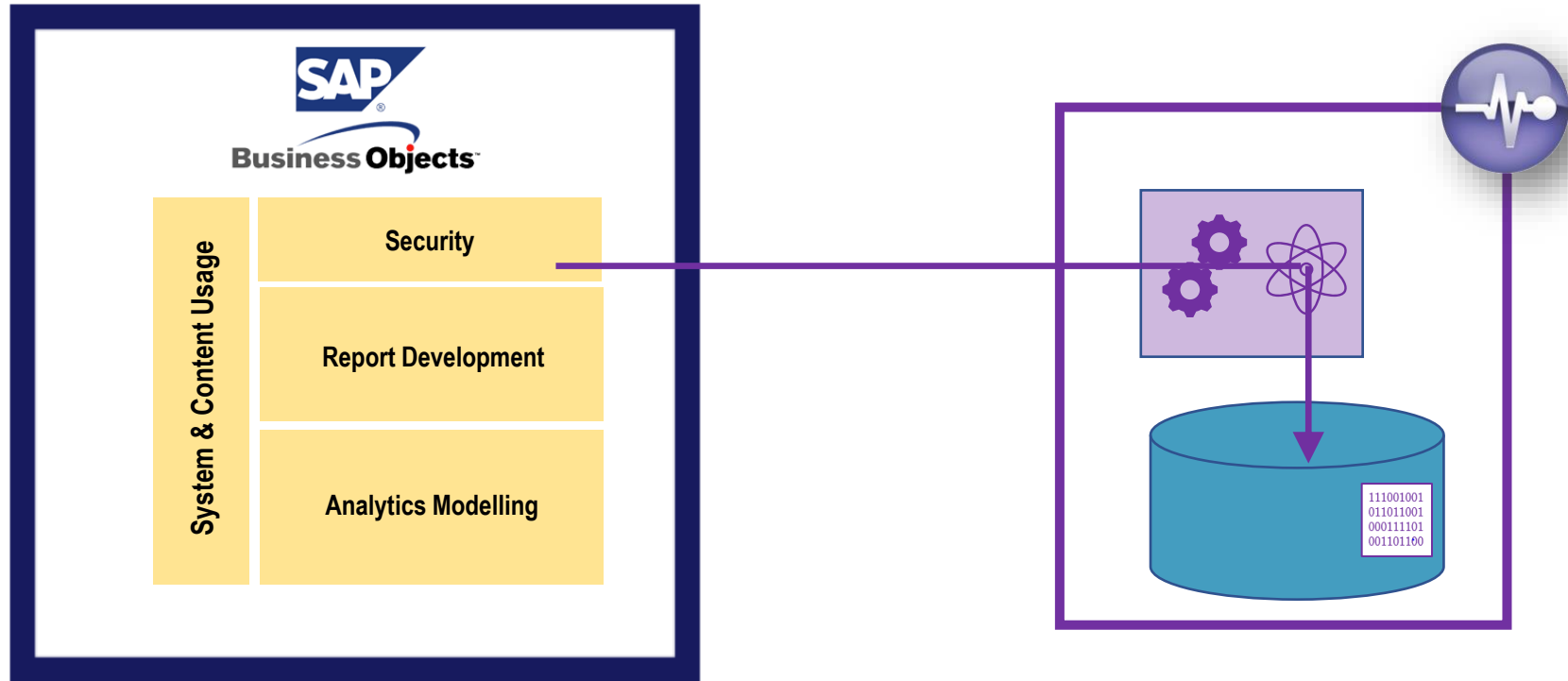
APOS Insight – SAP BI Knowledge



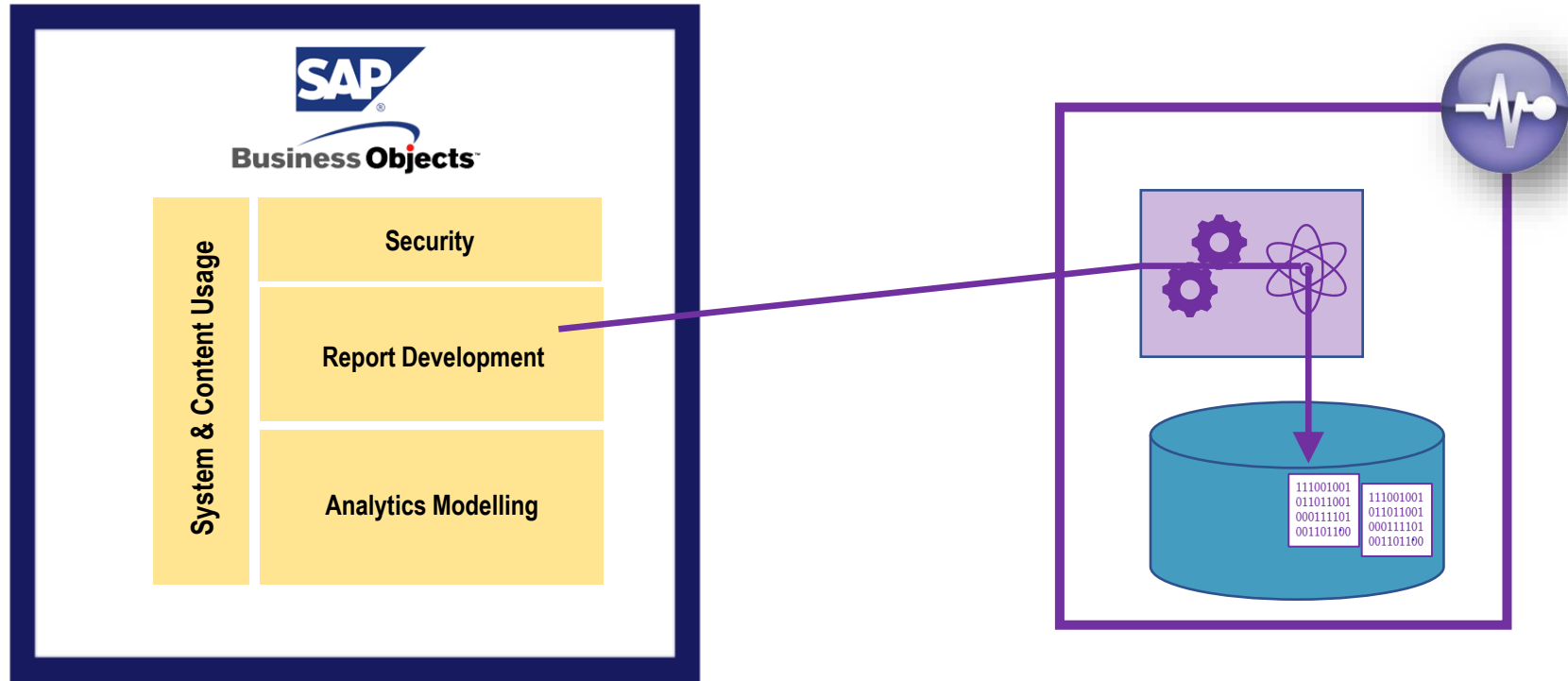
APOS Insight – System Metadata Scan



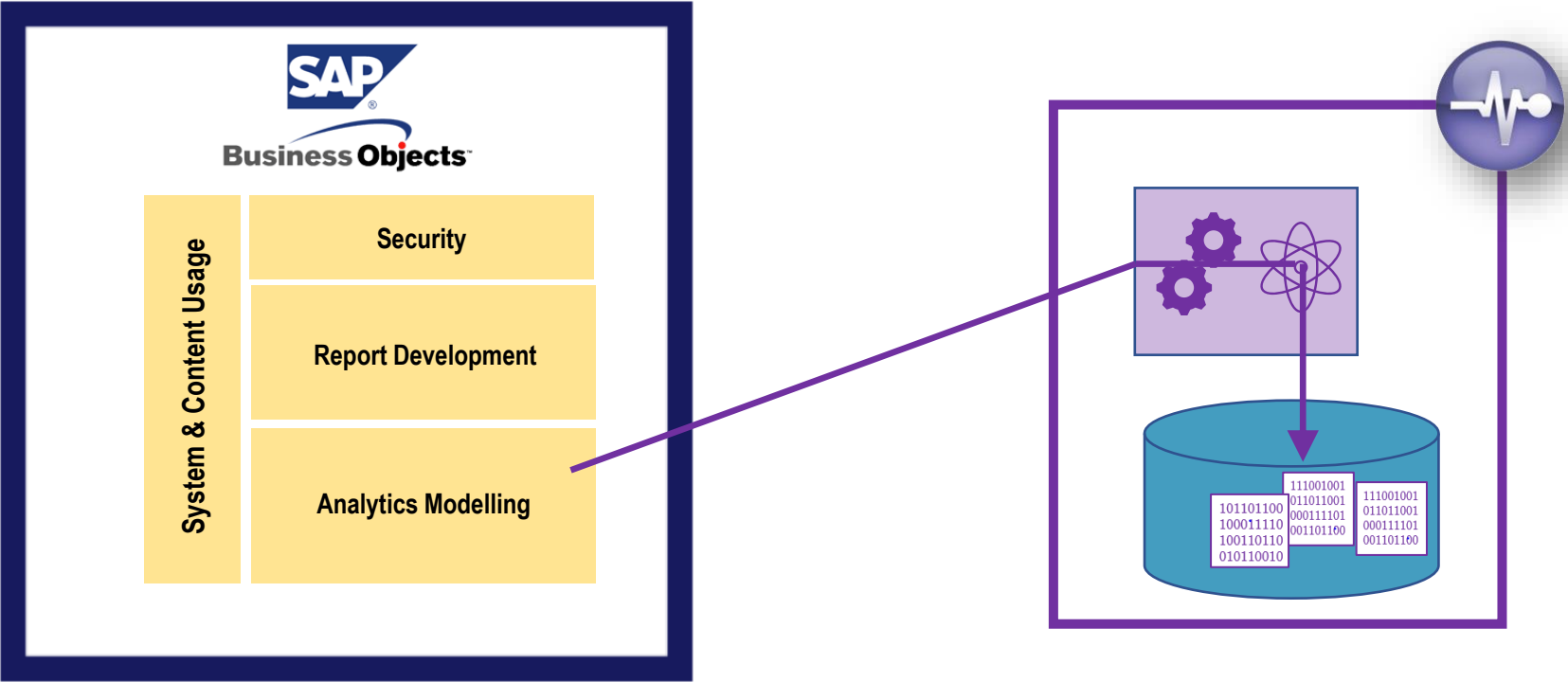
APOS Insight – System Metadata Scan



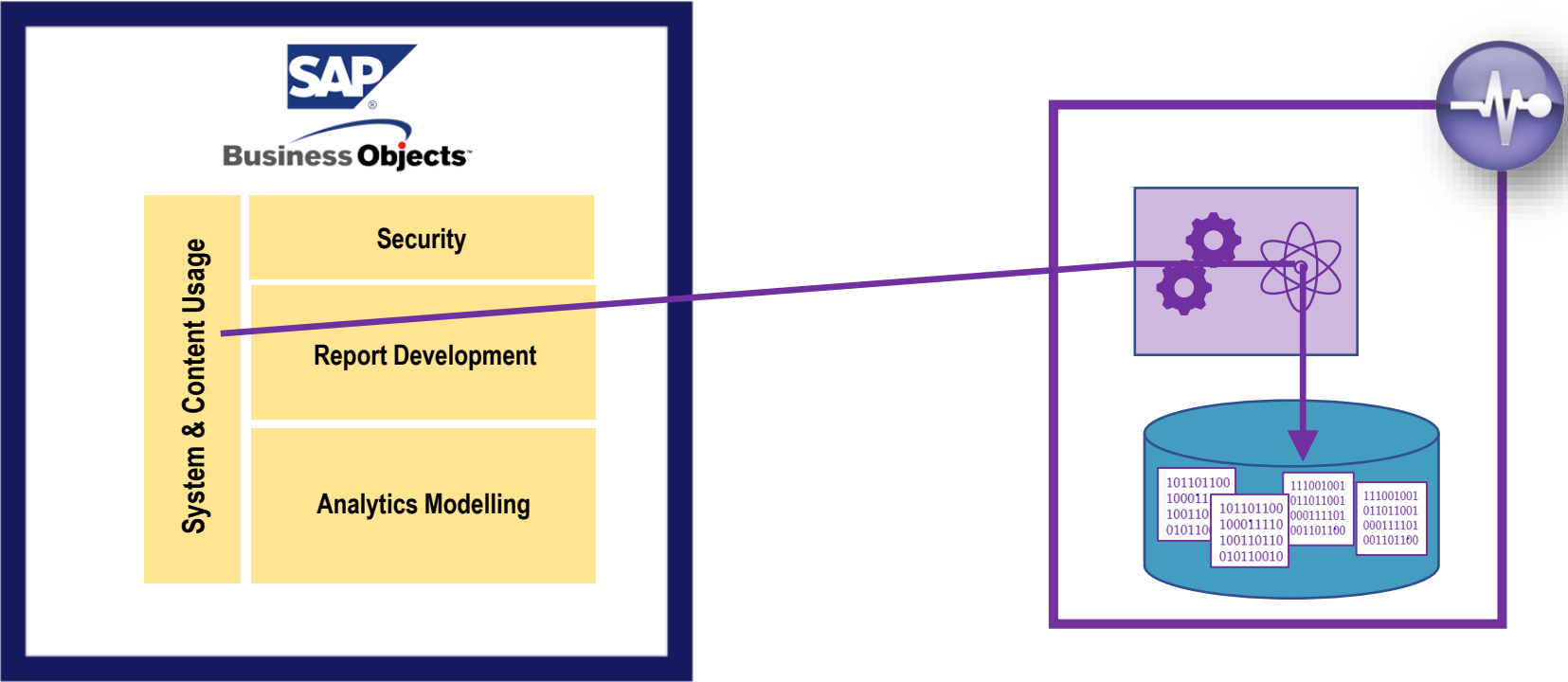
APOS Insight – System Metadata Scan



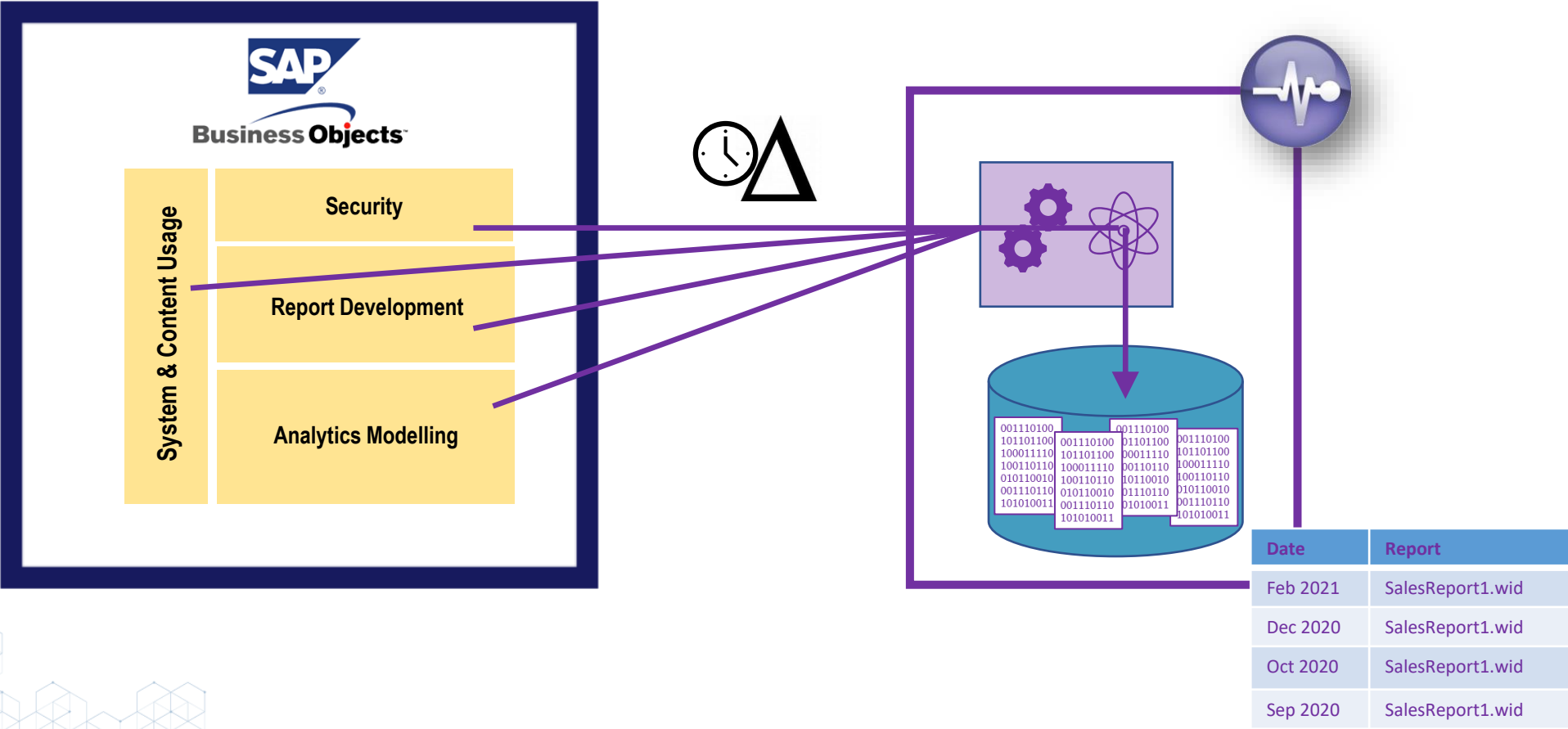
APOS Insight – System Metadata Scan



APOS Insight – System Metadata Scan



APOS Insight – System Metadata – Update Scans

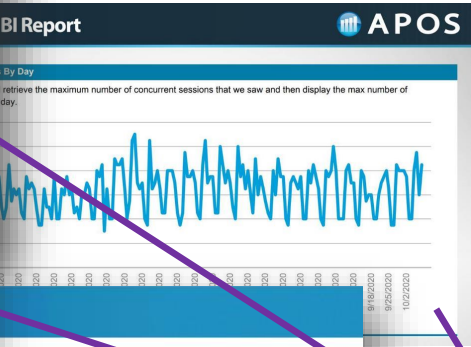


APOS Insight – System Analysis

APOS Insight

List Objects by Type for System: PRODUCTION

| Object Type | Number of Objects | Object Type | Folder | SI Name |
|-----------------------------|-------------------|--------------|---|---------|
| ClientAction | 488 | AdminConsole | \\pos\Workshop\6400\Application Folder\Root Folder 99 | 4404 |
| View | 126 | AdminTool | \\pos\Workshop\6400\Application Folder\Administrative Tools | 4906 |
| Report | 125 | AdminTool | \\pos\Workshop\6400\Application Folder\Administrative Tools | 422 |
| Folder | 84 | AdminTool | \\pos\Workshop\6400\Application Folder\Administrative Tools | 4831 |
| ClientAction | 82 | AdminTool | \\pos\Workshop\6400\Application Folder\Administrative Tools | 431 |
| ClientAction | 66 | AdminTool | \\pos\Workshop\6400\Application Folder\Administrative Tools | 4831 |
| MON ManageEntityStatus | 25 | AdminTool | \\pos\Workshop\6400\Application Folder\Root Folder 99 | 434 |
| CCIS DataConnection | 10 | AdminTool | \\pos\Workshop\6400\Application Folder\Root Folder 99 | 4360 |
| PlatformScreenContentEditor | 11 | AdminTool | \\pos\Workshop\6400\Application Folder\Root Folder 99 | 4408 |
| TextTemplate | 9 | AdminTool | \\pos\Workshop\6400\Application Folder\Root Folder 99 | 4481 |
| MON Probe | 9 | AdminTool | \\pos\Workshop\6400\Application Folder\Root Folder 99 | 4362 |
| DLL MetadataFile | 8 | AdminTool | \\pos\Workshop\6400\Application Folder\Root Folder 99 | 4919 |
| PlatformScreenContent | 6 | AdminTool | \\pos\Workshop\6400\Application Folder\Root Folder 99 | 4303 |
| WorkflowTemplate | 7 | AdminTool | \\pos\Workshop\6400\Application Folder\Root Folder 99 | |
| LCHab | 6 | AdminTool | \\pos\Workshop\6400\Application Folder\Root Folder 99 | |
| PlatformScreenContentAgent | 6 | AdminTool | \\pos\Workshop\6400\Application Folder\Root Folder 99 | |
| FavoriteFolder | 5 | AdminTool | \\pos\Workshop\6400\Application Folder\Root Folder 99 | |
| Folder | 4 | AdminTool | \\pos\Workshop\6400\Application Folder\Root Folder 99 | |



APOS Insight

Schedules - Inactive Report

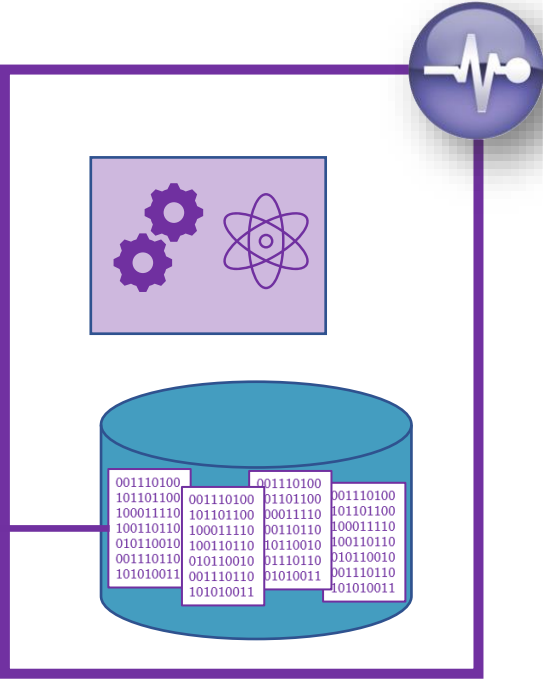
877 Reports not scheduled in the last 365 days

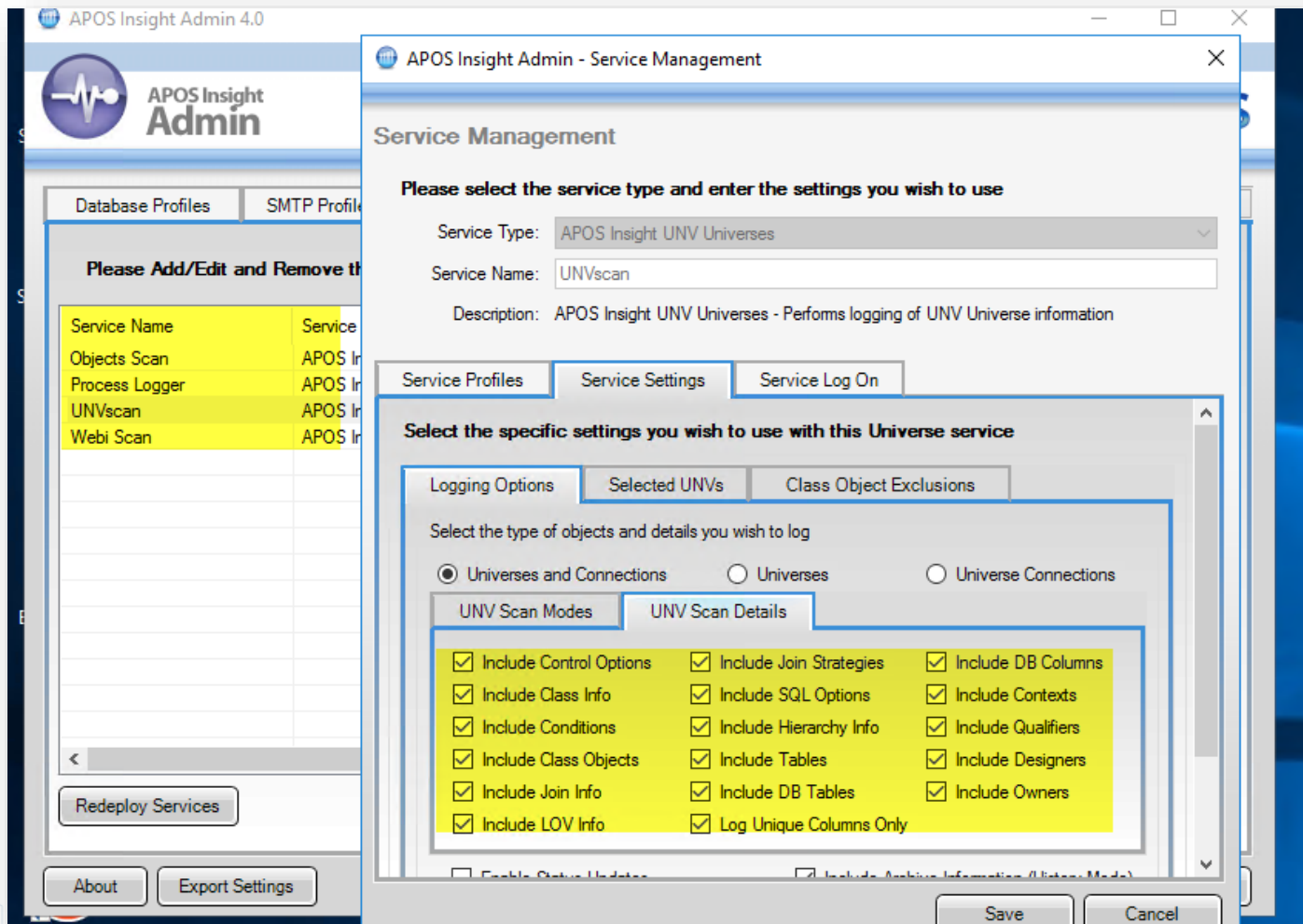
As of latest scan date: 2015-02-11 07:57:54

| Report Name | Type | Create Date | Owner | Data Source | Last Updated |
|------------------------|--------|---------------------|---------------|--|---------------------|
| Manufacturing Report 1 | Report | 2014-12-17 20:58:46 | Administrator | Original: \\pos\resources\businessobjects.com\support\demo\saasamples\customer_db\orders.ods | 2014-12-18 13:21:48 |
| Manufacturing Report 1 | Report | 2014-12-17 20:58:51 | Administrator | Original: \\pos\resources\businessobjects.com\support\demo\saasamples\customer_db\orders.ods | 2014-12-18 13:21:48 |
| Manufacturing Report 1 | Report | 2014-12-17 20:58:54 | Administrator | Original: \\pos\resources\businessobjects.com\support\demo\saasamples\customer_db\orders.ods | 2014-12-18 13:21:48 |
| Manufacturing Report 1 | Report | 2014-12-17 20:58:57 | Administrator | Original: \\pos\resources\businessobjects.com\support\demo\saasamples\customer_db\orders.ods | 2014-12-18 13:21:48 |
| Manufacturing Report 1 | Report | 2014-12-17 20:59:00 | Administrator | Original: \\pos\resources\businessobjects.com\support\demo\saasamples\customer_db\orders.ods | 2014-12-18 13:21:48 |

Universes/APOS insight\insight64 - SQL Server

| Report Folder / Location | Report Name | Report Owner | Report File Size |
|---------------------------------|---|---------------|------------------|
| APOS Insight Reports/SQL Server | Audit - All Report Activity | Administrator | 1251 |
| APOS Insight Reports/SQL Server | Audit - Objects Scheduled by User | Administrator | 102515 |
| APOS Insight Reports/SQL Server | Audit - Reports Refreshed by User | Administrator | 104473 |
| APOS Insight Reports/SQL Server | Audit - Unused Objects in Date Range | Administrator | 88026 |
| APOS Insight Reports/SQL Server | Audit - User Login Activity | Administrator | 94853 |
| APOS Insight Reports/SQL Server | Audit - User Logout Activity | Administrator | 191620 |
| APOS Insight Reports/SQL Server | Crystal - Search for Fields Used in Reports | Administrator | 100000 |
| APOS Insight Reports/SQL Server | Crystal - Search for Tables Used in Reports | Administrator | 100012 |
| APOS Insight Reports/SQL Server | Crystal - Structure | Administrator | 100085 |
| APOS Insight Reports/SQL Server | Crystal - Summary | Administrator | 144085 |
| APOS Insight Reports/SQL Server | Instance - Detail | Administrator | 100061 |
| APOS Insight Reports/SQL Server | Instance - Historical | Administrator | 107184 |
| APOS Insight Reports/SQL Server | Instance - Status | Administrator | 88286 |
| APOS Insight Reports/SQL Server | Object Containing Content Types and Folders | Administrator | 81423 |





APOS Insight – screenshot

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



Right-Size Your BI Environment – Step 2

- Reduce



Right-Size Your BI Environment

Reduce

Find and remove unnecessary elements from system:

- Content
- Users



Reduce

How to remove unnecessary elements?

Manual

- Delete Reports, Universes
- Delete Instances
- Delete Users



Reduce – How to remove unnecessary elements?

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

The screenshot shows the Central Management Console interface. On the left, a tree view displays a hierarchy of folders under 'Objects List', including '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', and 'WebiService'. The main pane displays a table of objects with columns for 'Title' and 'Type'. A context menu is open over the 'Crystal - Search for Fields' entry, with the 'Delete' option highlighted in yellow.

| 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 Fields | Crystal Reports 2016 |
| Crystal - Search for Fields | 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 |
| Crystal Changes | Crystal Reports 2016 |
| Instances - Detail | Web Intelligence |
| Instances - Detail | Crystal Reports 2016 |
| Instances - Historical | Web Intelligence |
| Instances - Historical | Crystal Reports 2016 |



Reduce

How to remove unnecessary elements?

Manual

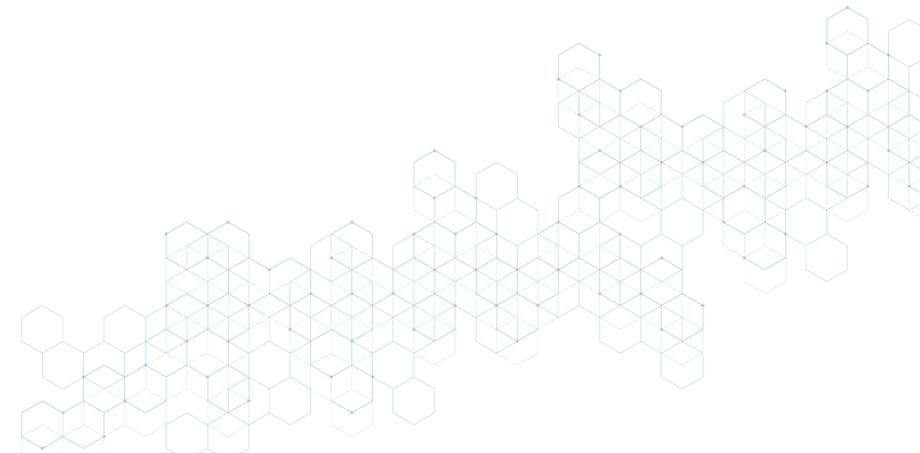
- Delete Reports, Universes
- Delete Instances
- Delete Users

Automated

- Automated Cleanup Solution



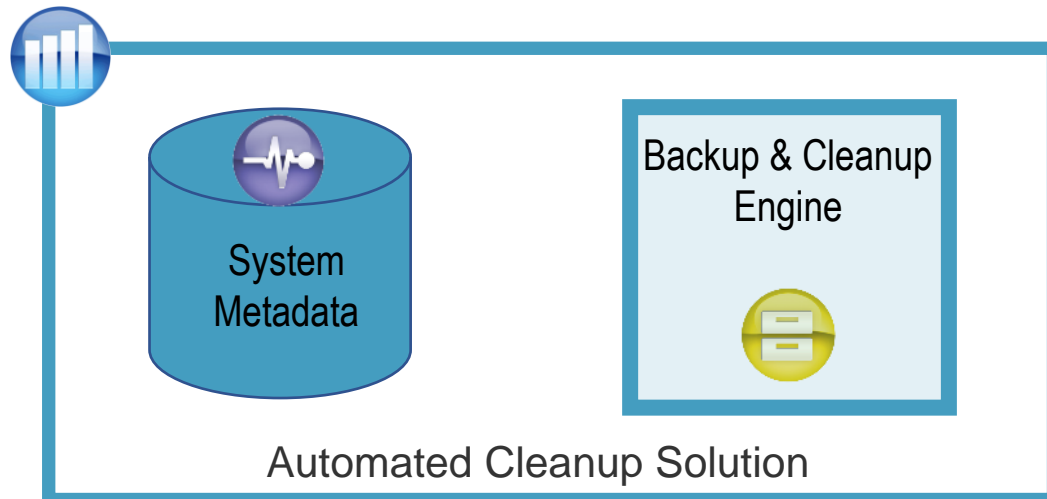
Automated System Clean-Up



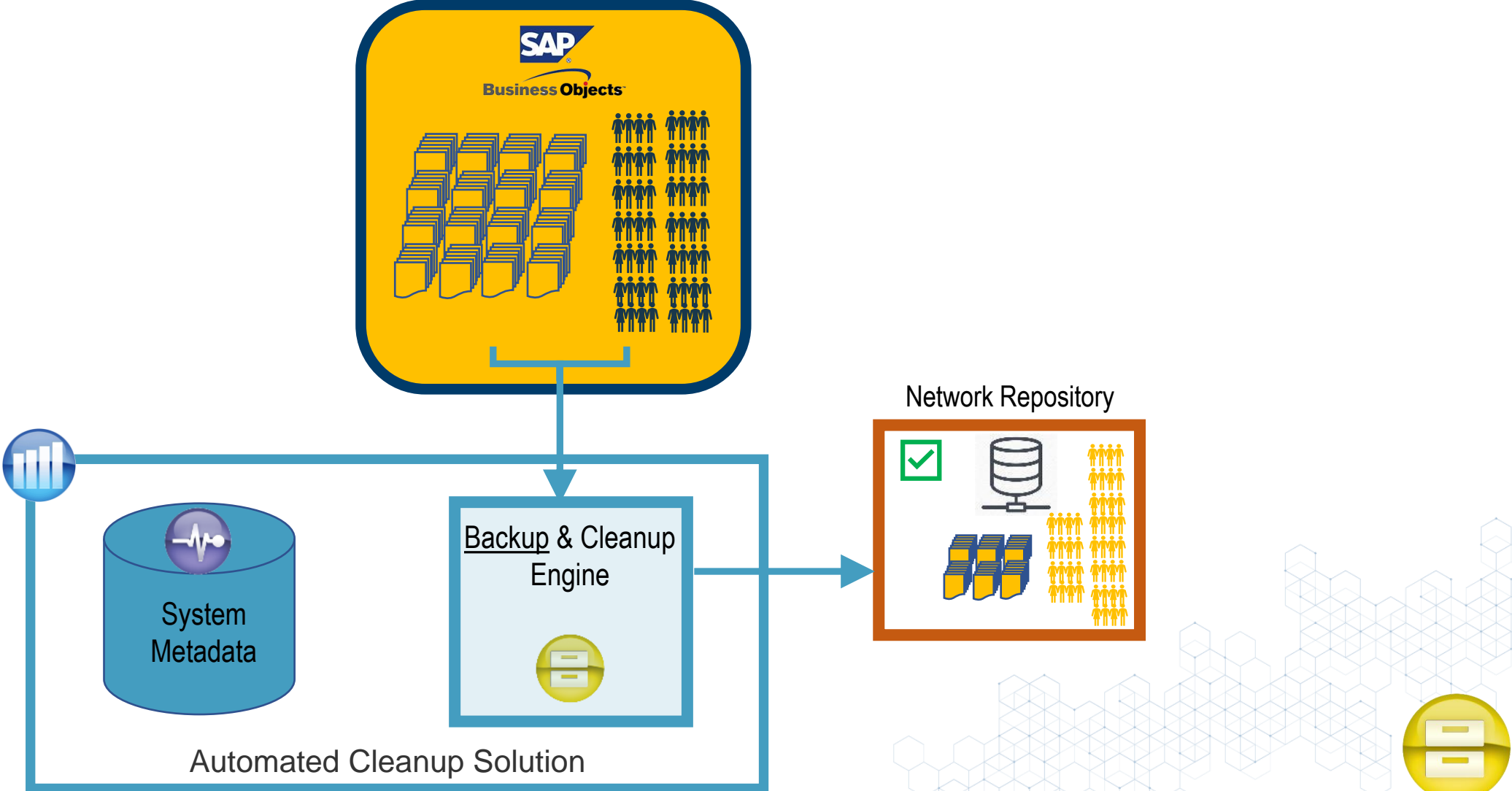
Automated System Clean-Up



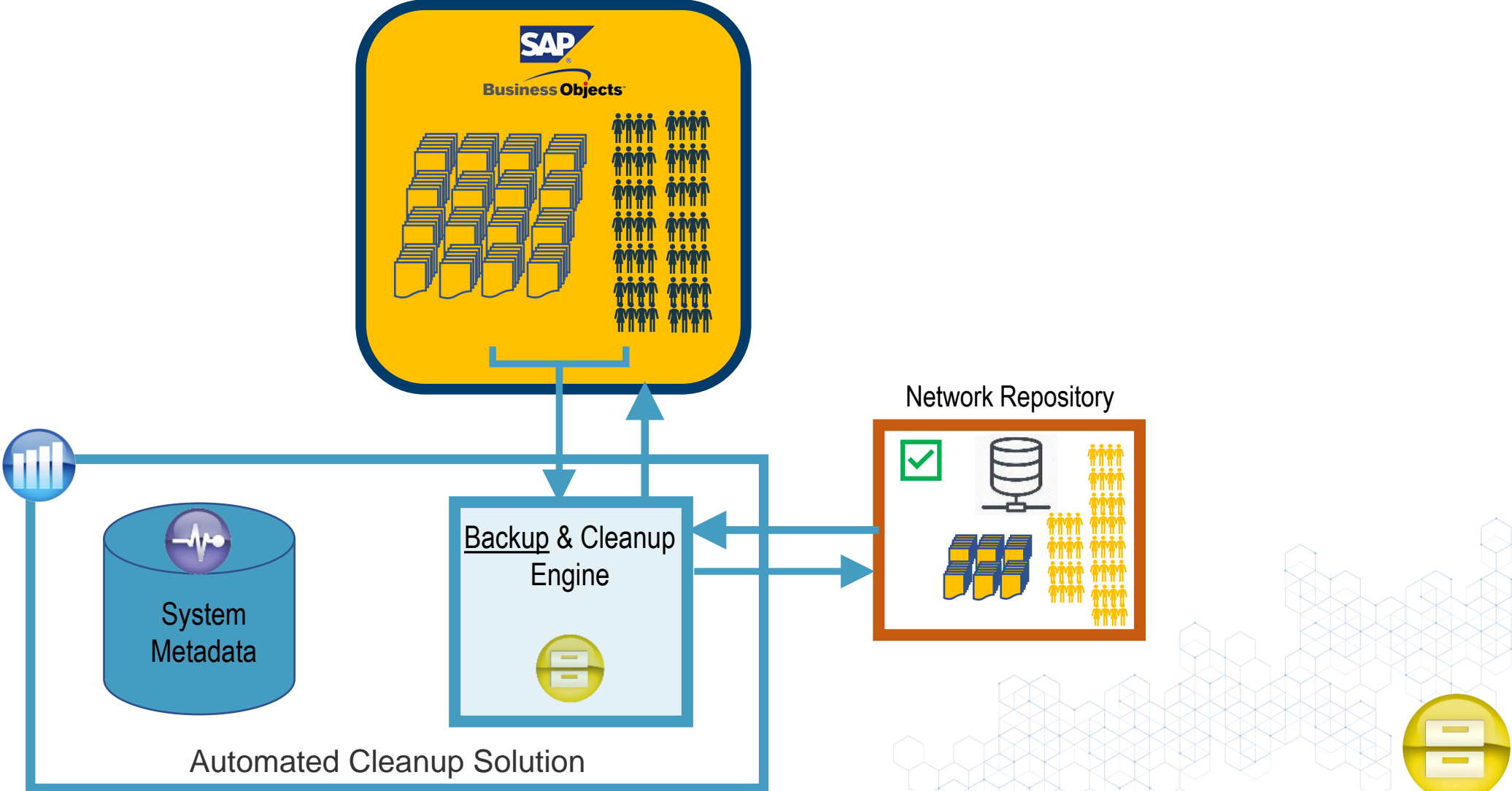
Automated System Clean-Up



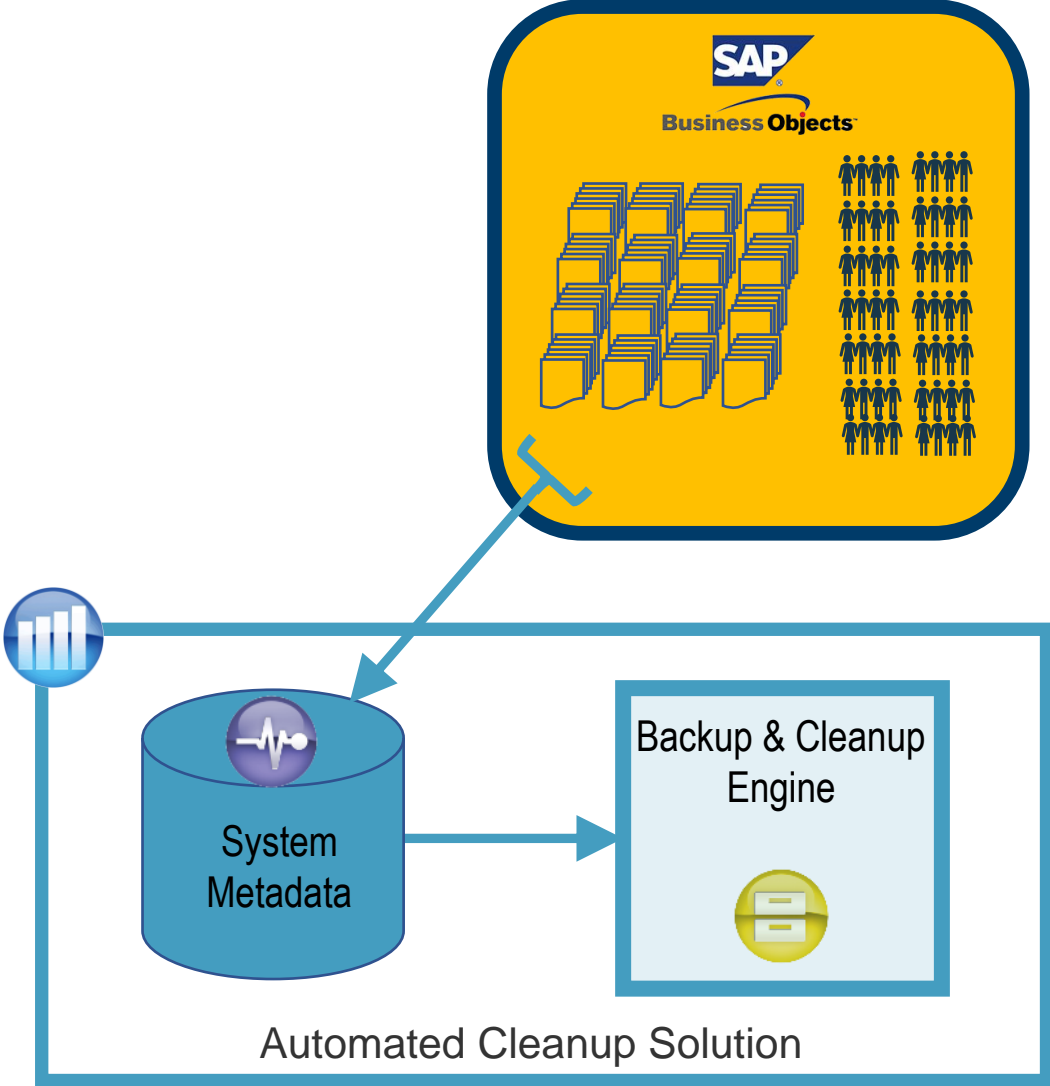
Automated System Clean-Up



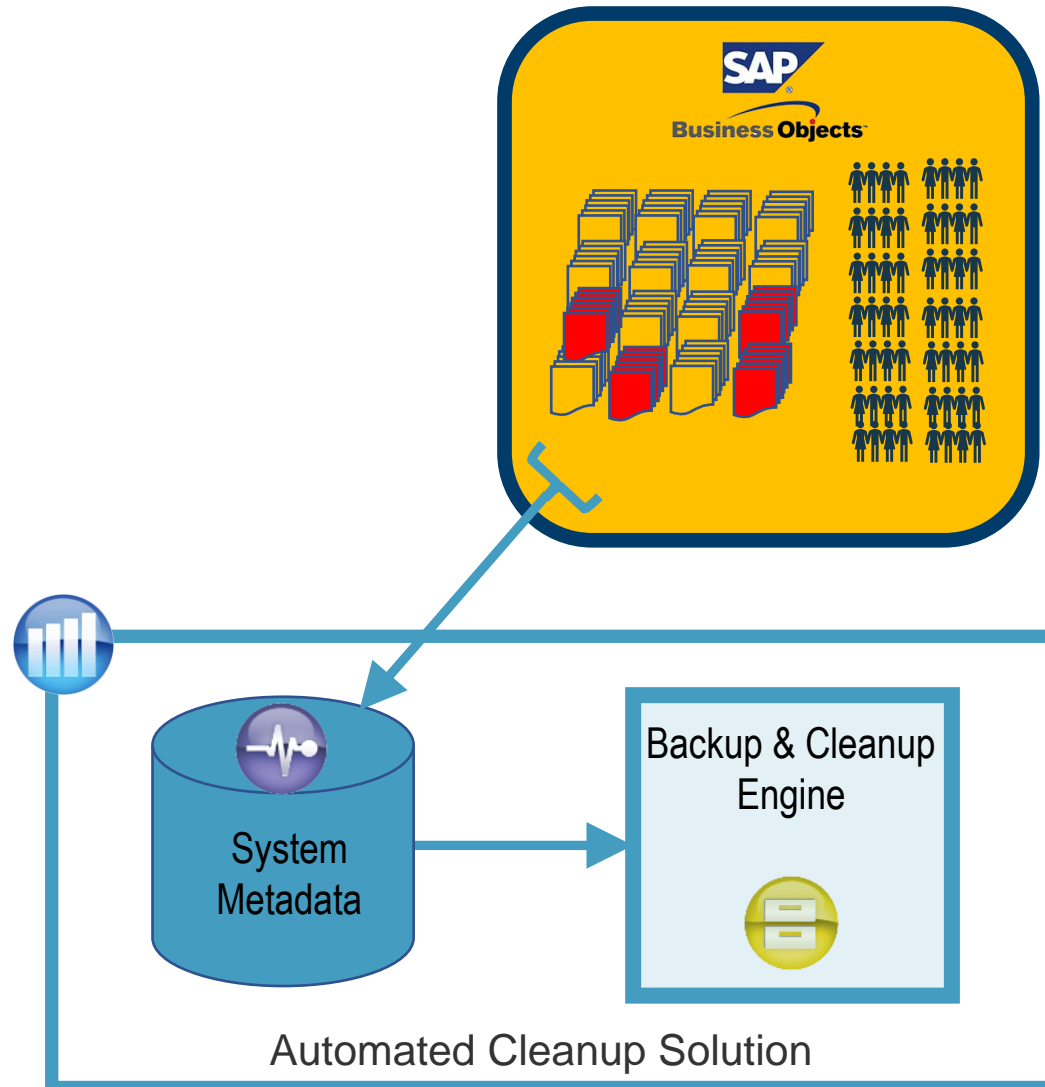
Automated System Clean-Up



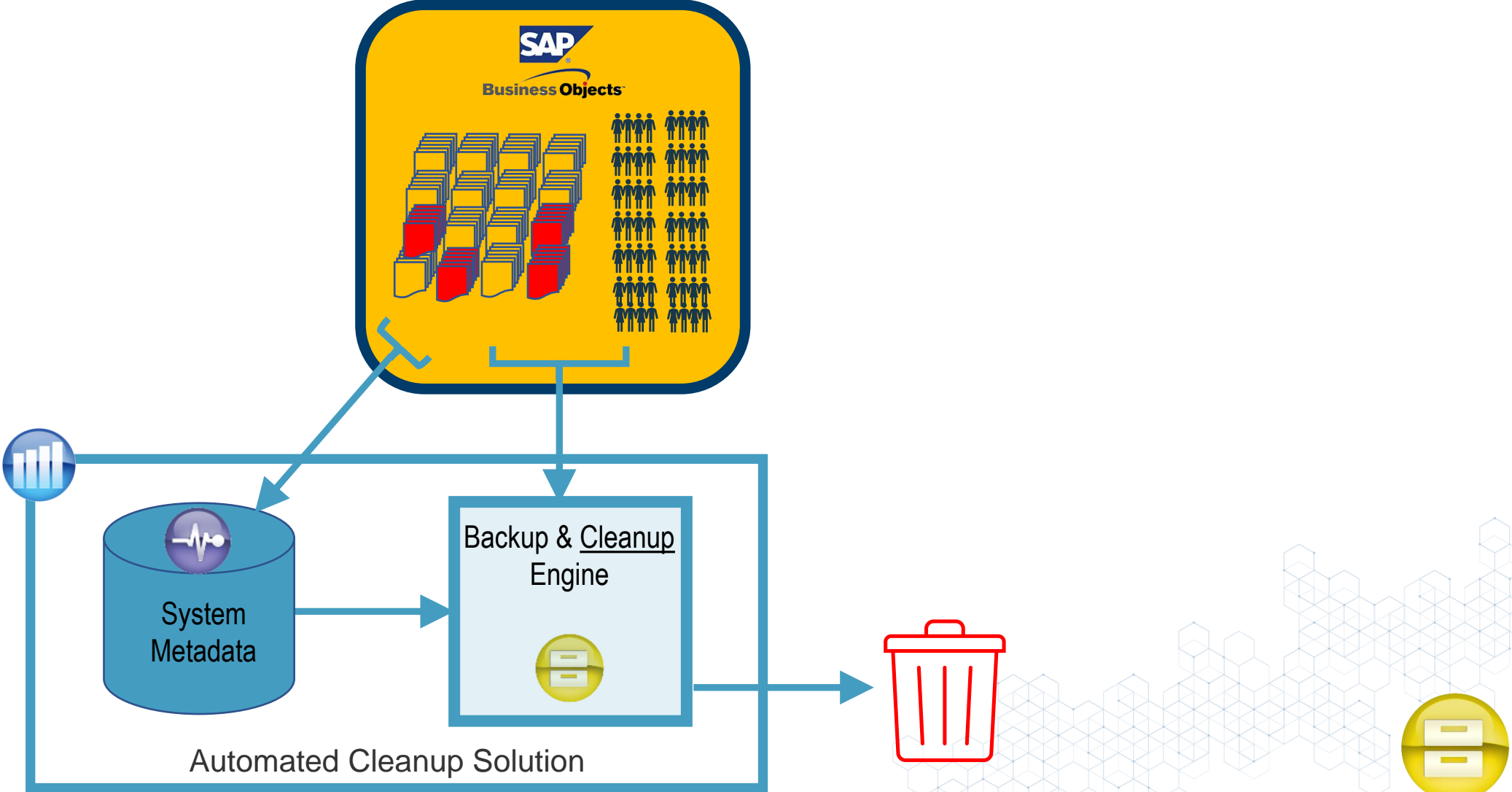
Automated System Clean-Up



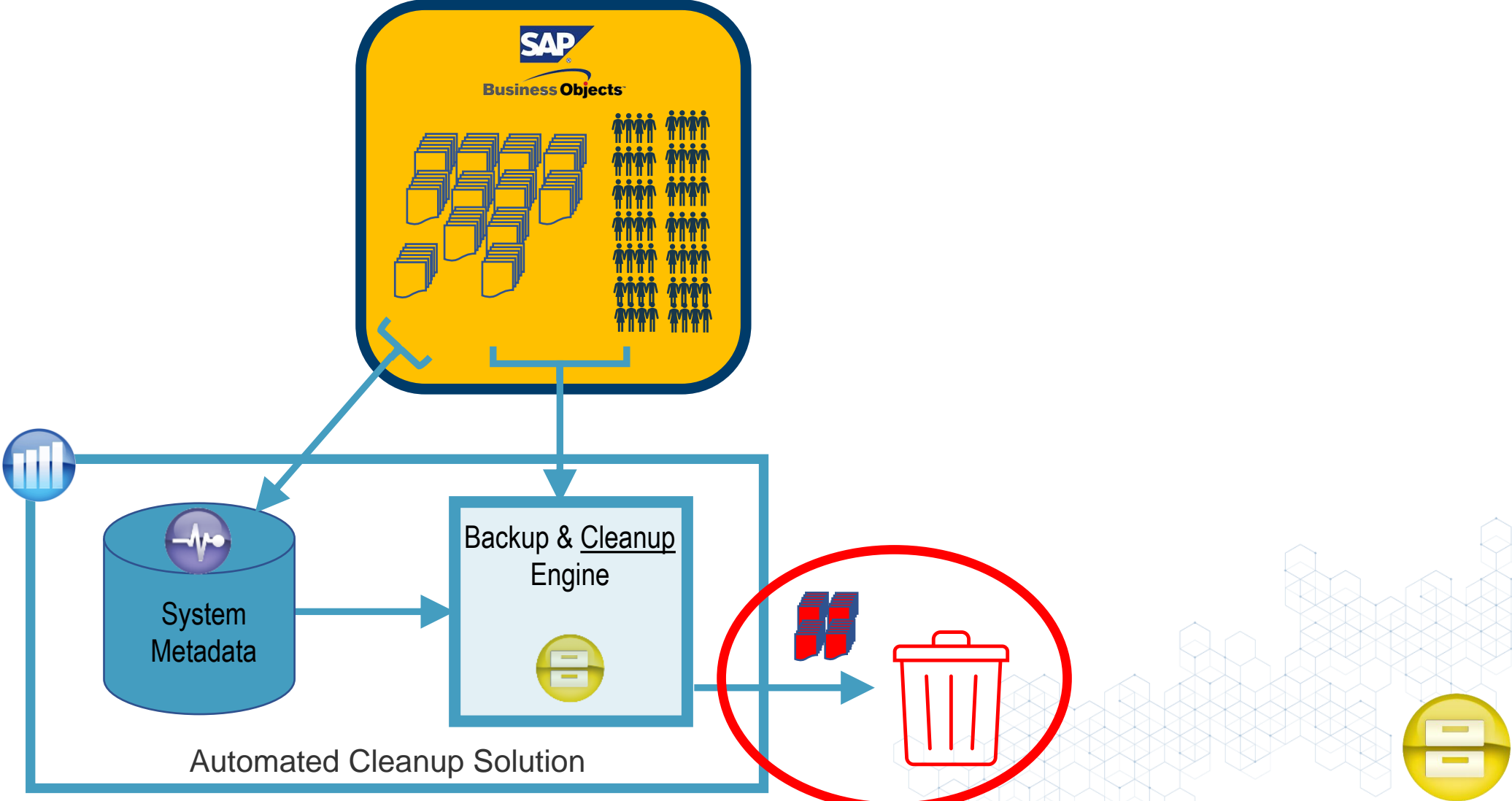
Automated System Clean-Up



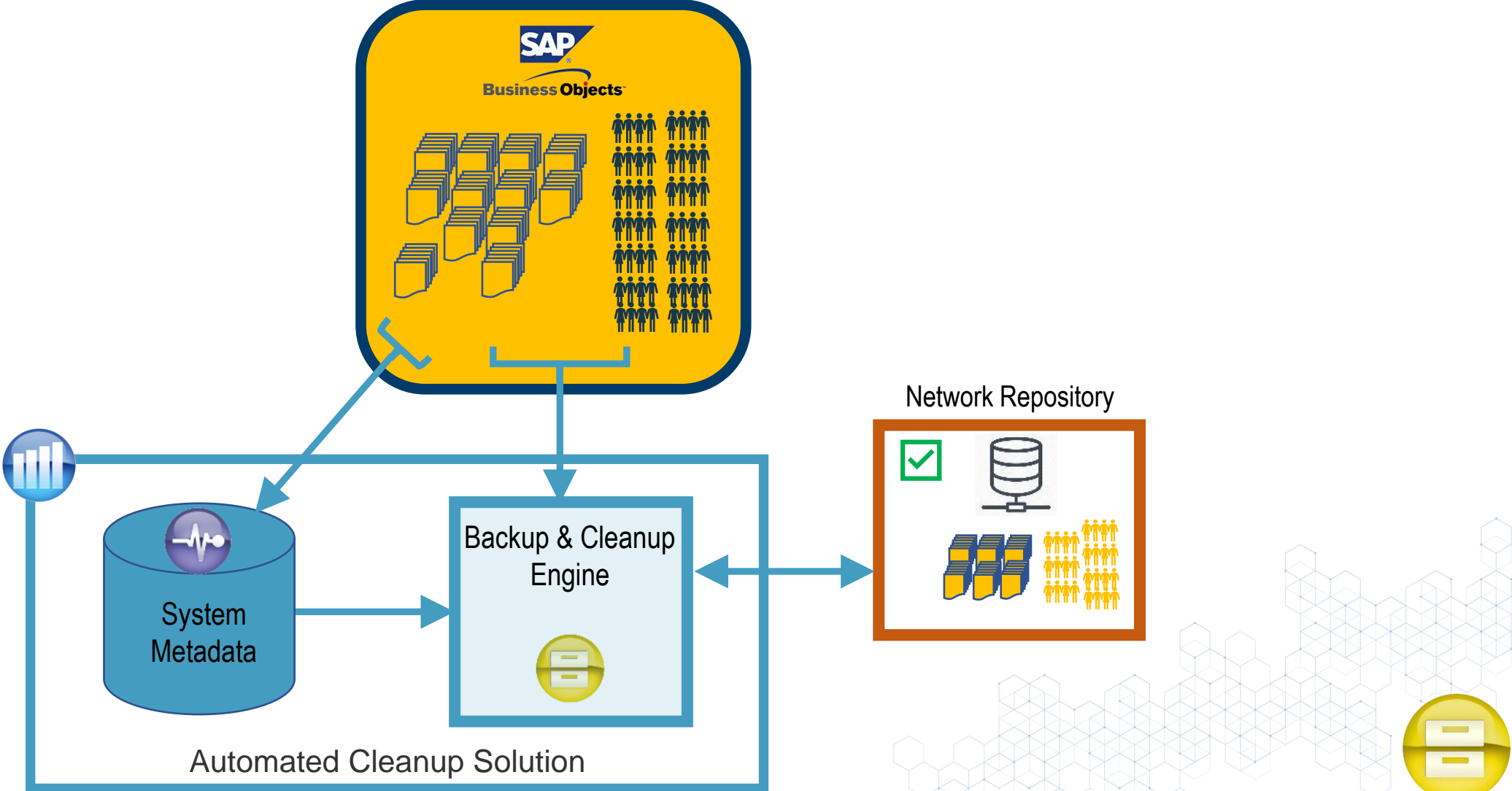
Automated System Clean-Up



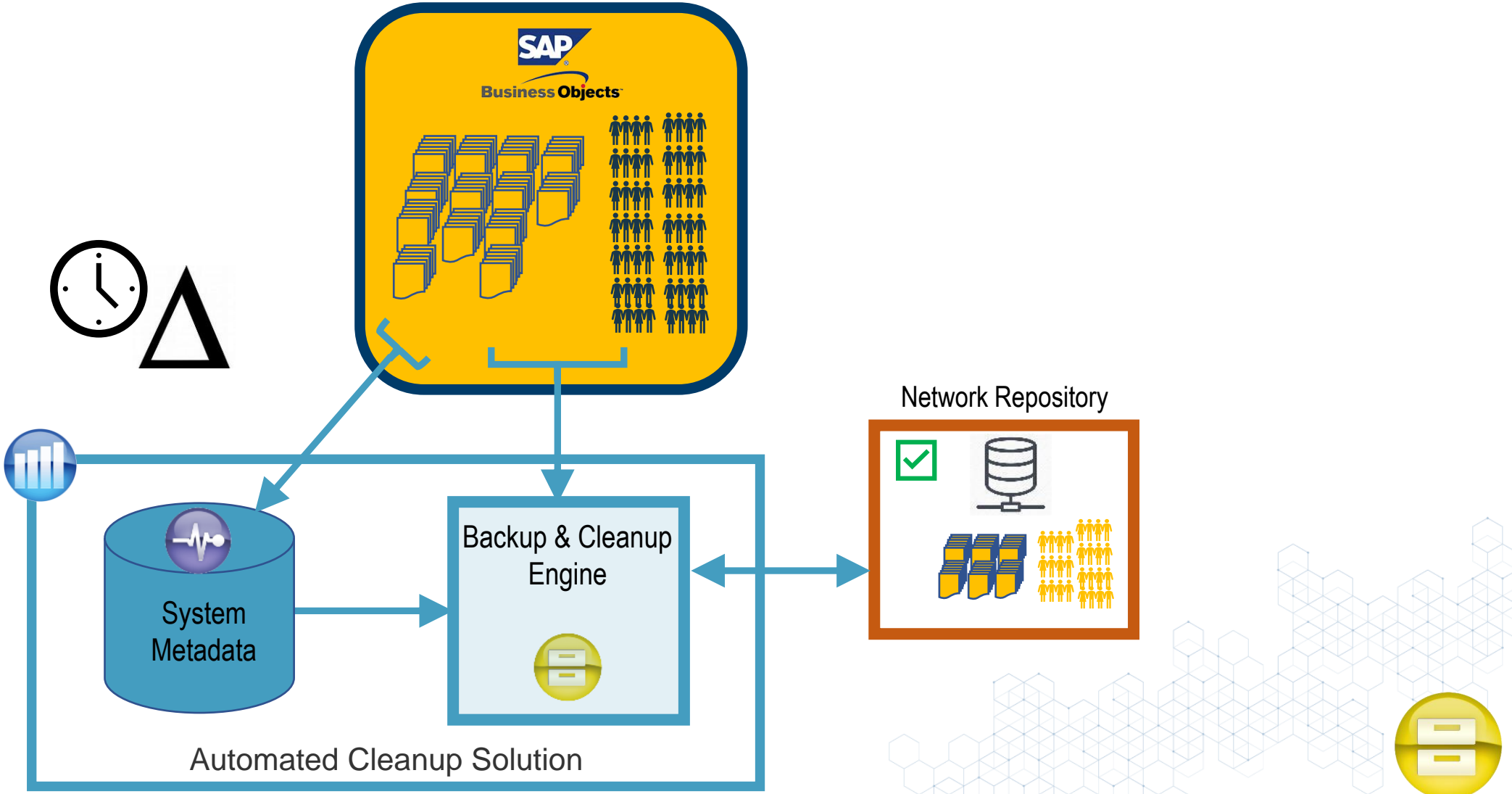
Automated System Clean-Up



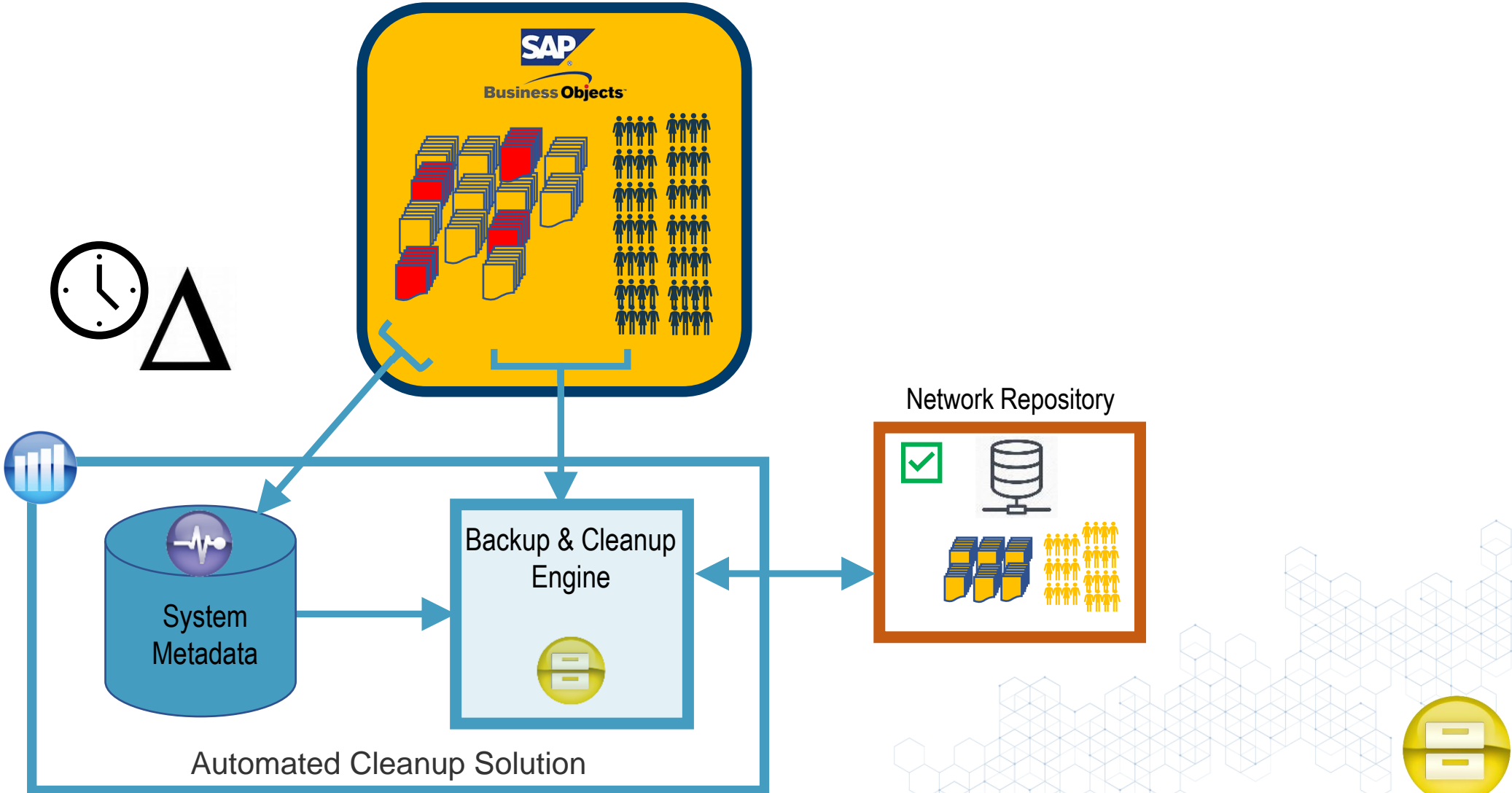
Automated System Clean-Up



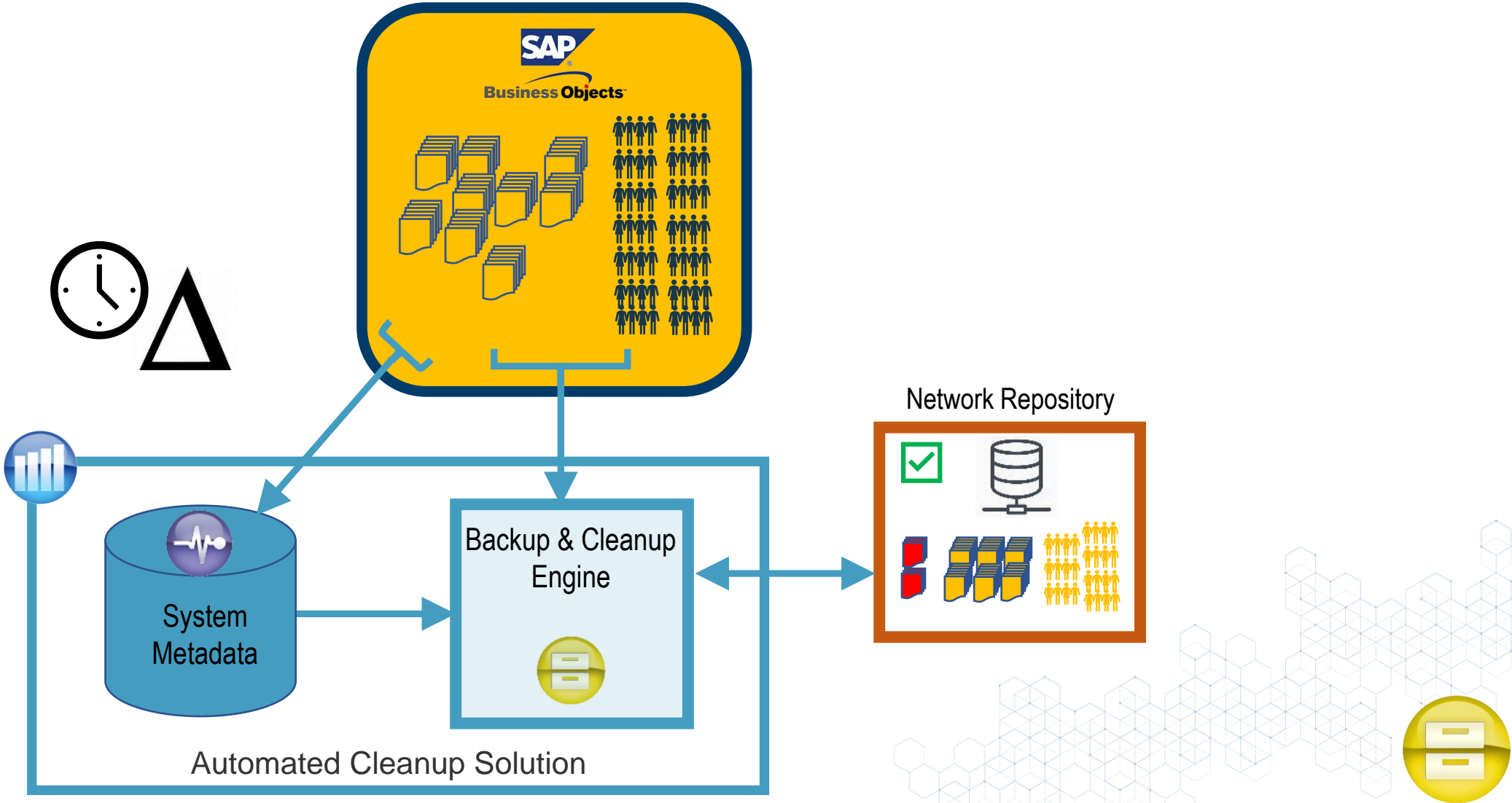
Automated System Clean-Up - Incremental



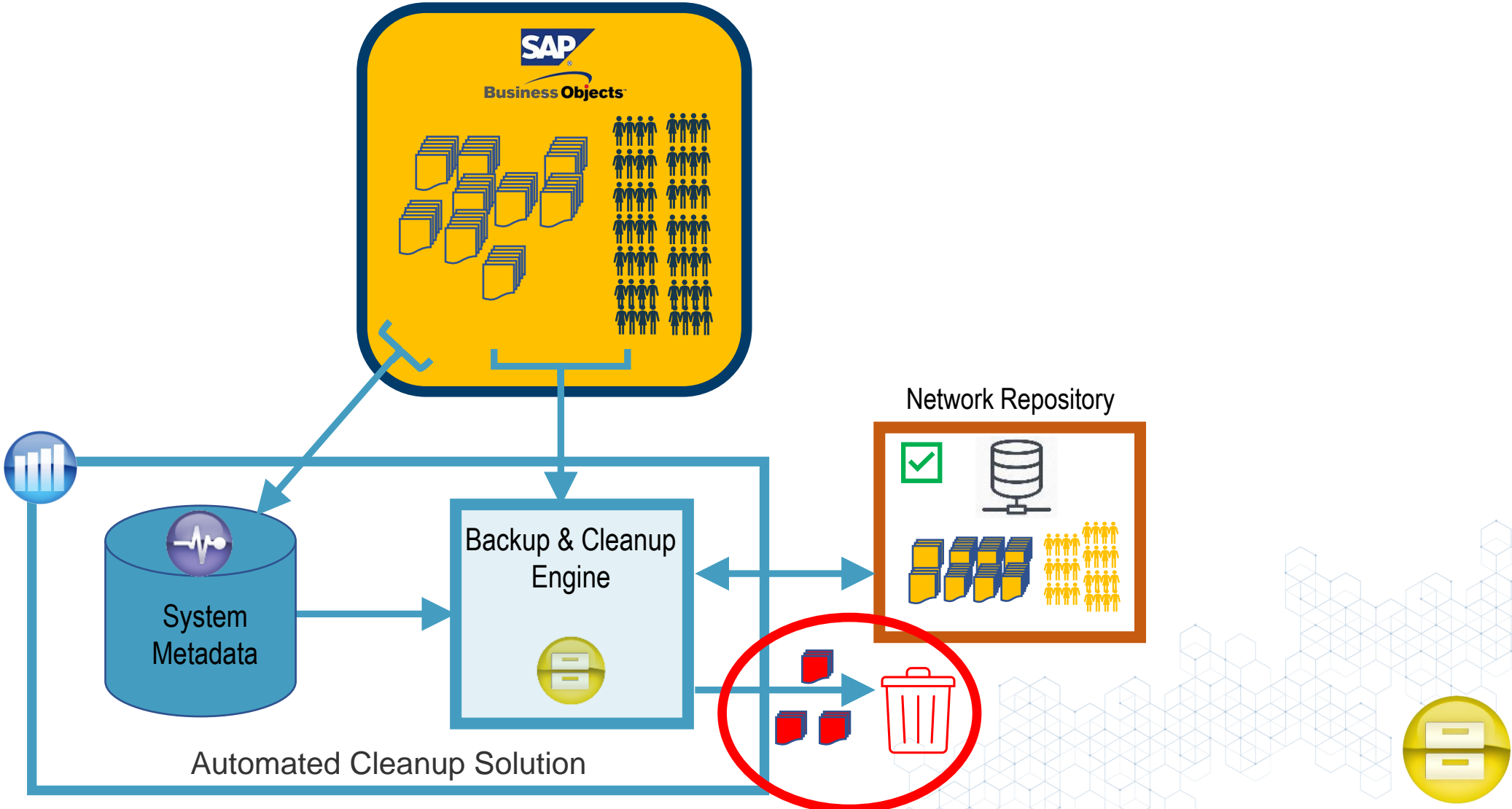
Automated System Clean-Up - Incremental



Automated System Clean-Up - Incremental



Automated System Clean-Up - Incremental



Reduce - Content & Users

| Before | After |
|--------------------------------|-------|
| Reports = 1200 | |
| Instances = 150,000 | |
| Universes = 45 | |
| Users = 750 | |
| Groups = 65 | |
| Total Objects = 152,060 | |



Reduce - Content & Users

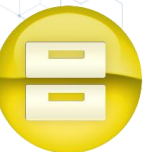
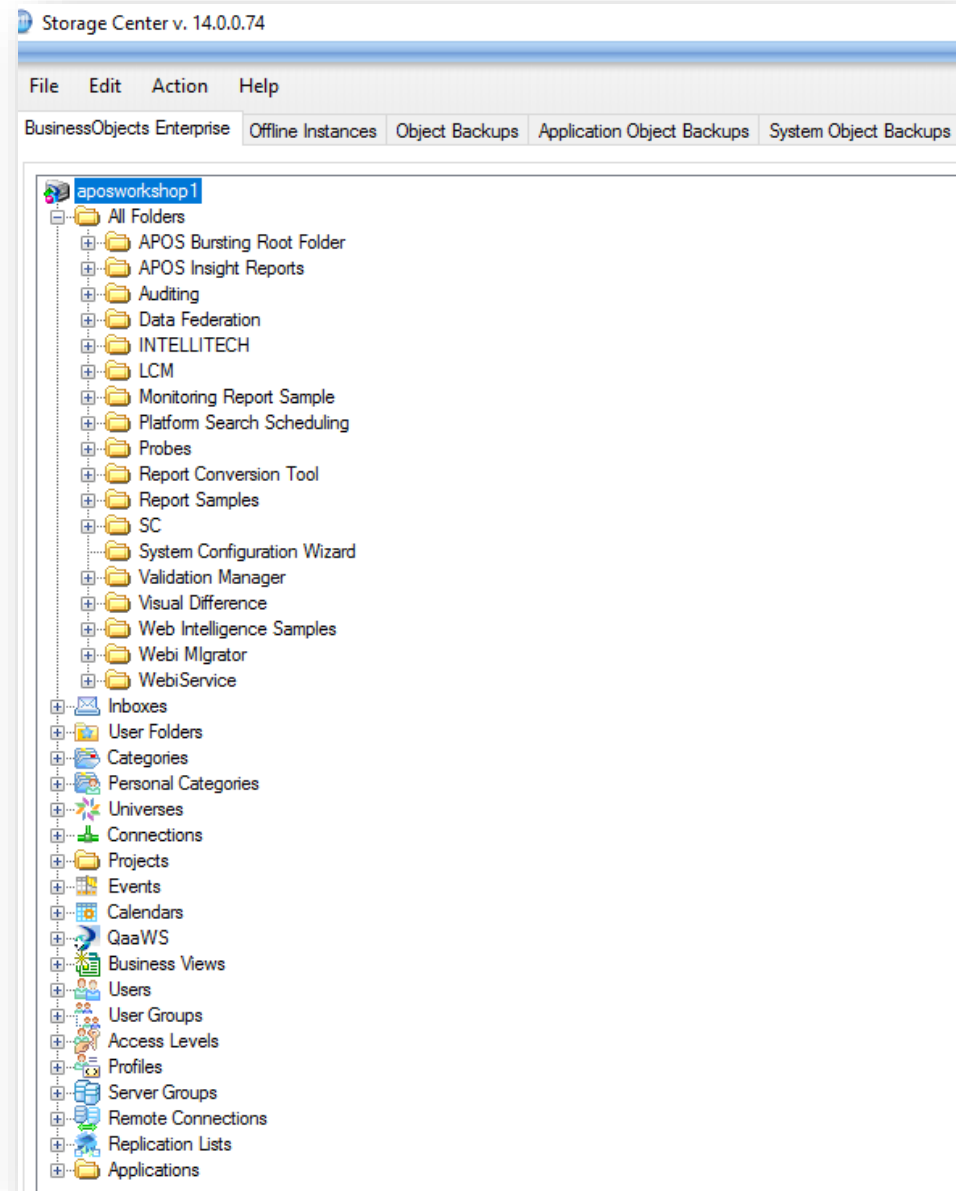
| Before | After |
|-------------------------|------------------------|
| Reports = 1200 | Reports = 350 |
| Instances = 150,000 | Instances = 73,550 |
| Universes = 45 | Universes = 20 |
| Users = 750 | Users = 500 |
| Groups = 65 | Groups = 30 |
| Total Objects = 152,060 | Total Objects = 74,450 |

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 backup strategy
- Have assurance before right sizing your environment

Enterprise Object Backup Settings - _APOS_Test

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:

| | | | |
|---|---|-----------------------------------|-------------|
| <input type="checkbox"/> Sunday | <input checked="" type="checkbox"/> Wednesday | <input type="checkbox"/> Saturday | Select All |
| <input checked="" type="checkbox"/> Monday | <input checked="" type="checkbox"/> Thursday | | Select None |
| <input checked="" type="checkbox"/> Tuesday | <input checked="" type="checkbox"/> Friday | | |

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

| | | | |
|--|--|--|-------------|
| <input checked="" type="checkbox"/> Week 1 | <input checked="" type="checkbox"/> Week 3 | <input checked="" type="checkbox"/> Week 5 | Select All |
| <input checked="" type="checkbox"/> Week 2 | <input checked="" type="checkbox"/> Week 4 | <input checked="" type="checkbox"/> Week 6 | Select None |

Maximum number of backups to store offline:

Backup Method

Standard LCMBIAR Both

Include: Other Objects Security Folder Security

Hyperlinks Shortcuts

Purge Settings:

Purge Objects Not In Use For 'X' Number of Days

Use Creation Date

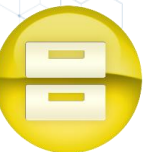
Use Update / Last Run Date Number of Days:

Use KPI Database / Update / Last Run Date

Verify Backup Before Delete

Exclude Objects in this folder and subfolders

Save Close



APOS Storage Center

Archiving instances

- Create customized rules for backup and archive of instances
- Allows you to conform to governance requirements, while reducing technical debt

Enterprise Instance Archiving Settings - All Folders|RootFolder

Instance Archiving Instance Delete Plug-ins

Set Business Rules For Online Archiving

Maximum Instances: 0 Maximum Instances Per Group: 0

Maximum Days: 0 Maximum Instances Per User: 0

Maximum Instances By Specific Group: [Dropdown] Edit

Maximum Instances By Specific User: [Dropdown] Edit

WARNING! Instances will only be backed up once! For example: if the instance backup has already backed up a specific instance then offline archive will NOT archive the instance to the offline folder a second time.

Set Business Rules For Offline Archiving

Archive Method: Standard LCMBIAR Both Include Security Include Other Instances

Maximum Instances: 0 Maximum Instances Per Group: 0

Maximum Days: 7 Maximum Instances Per User: 0

Maximum Instances By Specific Group: [Dropdown] Edit

Maximum Instances By Specific User: [Dropdown] Edit

Convert Crystal Reports to Format: PDF Include Original When Converting

Convert Web Intelligence to Format: Excel Include Original When Converting

Zip Instance

Set Business Rules For Backing Up Instances

Do Not Backup Instances Backup Instances Older Than 0 Days

Backup Method: Standard LCMBIAR Both Include Security Include Other Instances

Maximum Instances By Specific Group: [Dropdown] Edit

Maximum Instances By Specific User: [Dropdown] Edit

Convert Crystal Reports to Format: PDF Include Original When Converting

Convert Web Intelligence to Format: Excel Include Original When Converting

Zip Instance

Exclude Instances in this folder and subfolders

Save Close



APOS Storage Center

Archiving instances

- Customize which instances to keep
- Integrate with Content Management Systems

Enterprise Instance Archiving Settings - All Folders|•|RootFolder

Instance Archiving Instance Delete Plug-ins

Set Business Rule For Deleting Active Instances

Do Not Delete Any Instances

Delete all instances not run under the specified calendar: Edit

Delete all instance not run by a user/group:

Delete all instances not run under the specified group: Edit

Delete all instances not run under the specified user: Edit

Delete All Instances Older than X Days:

Number of Days:

Enterprise Instance Archiving Settings - All Folders|•|RootFolder

Instance Archiving Instance Delete Plug-ins

Set Rules For Plug-in Destinations

Available Plug-ins: Add

Selected Plug-ins:

| Plug-in | Target Path | Crystal | WebI | Zip |
|----------------------------|------------------|---------|-------|-----|
| MyContentManagement System | <Global Folder>/ | PDF | Excel | No |

Remove

Settings for Selected Plug-in

Target Path:

Override Folder Defined in Plug-in Global Settings (creates path in root)

Include BusinessObjects Parent Folder Structure

Include Current Selected Folder

Convert Crystal to Format:

Convert WebI to Format:

Zip Instance



Right-Size Your BI Environment – Step 3

- **Restructure**



Right-Size Your BI Environment

Restructure

- Infrastructure
- Licenses

Scale Down



Before Reduction



After Reduction

Restructure – Infrastructure

- 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

Scale Up



Before Growth



After Growth

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 with move to cloud deployment
- Scale up due to more scheduling
- Scale up due to revised licensing method

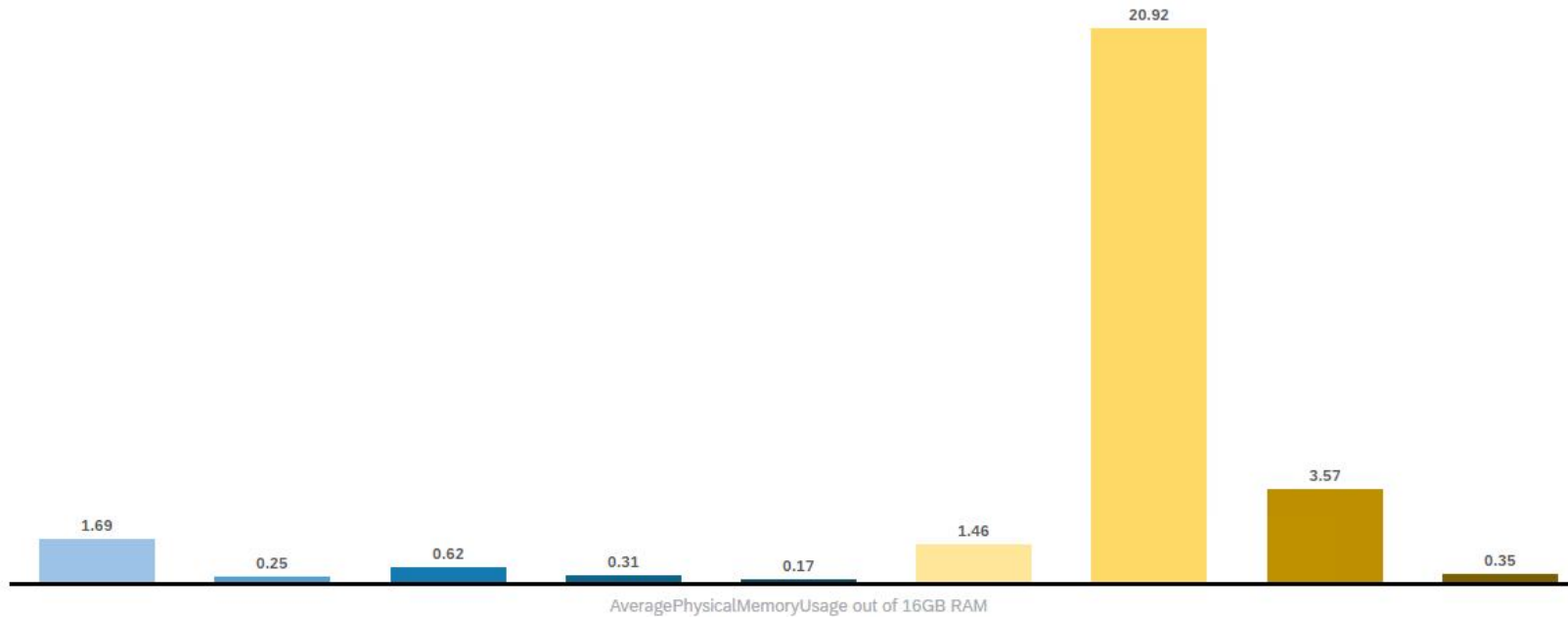
Restructure – Infrastructure – Scale Down?

Business Objects - Server Hardware Utilization

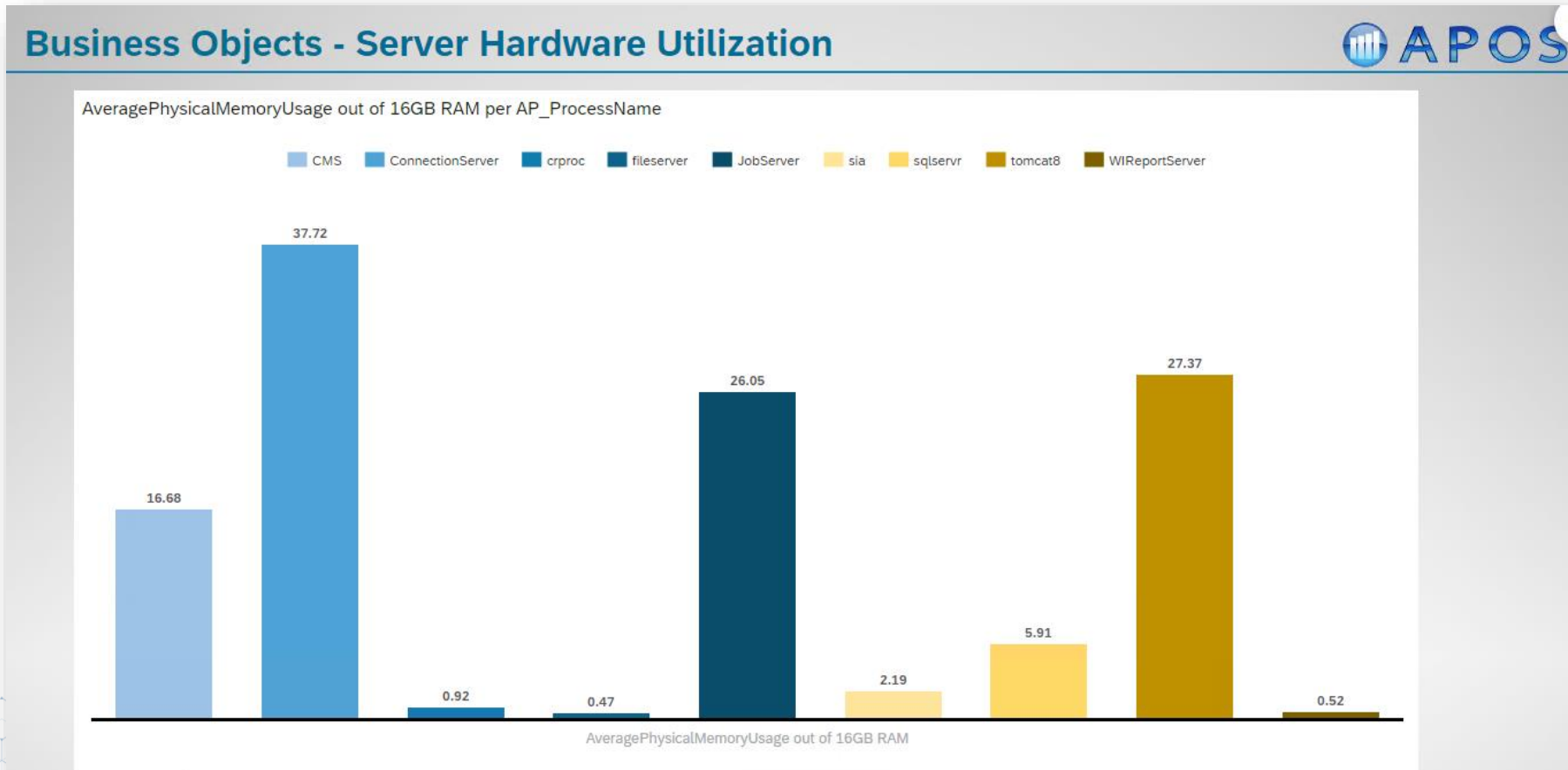


AveragePhysicalMemoryUsage out of 16GB RAM per AP_ProcessName

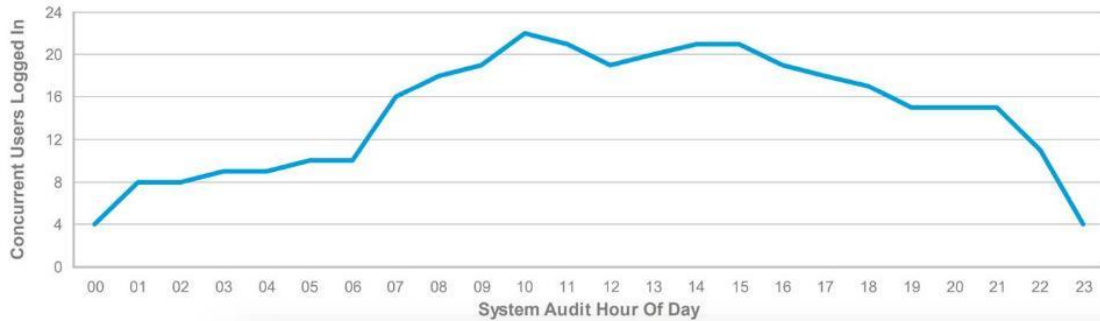
CMS ConnectionServer crproc fileserver JobServer sia sqlservr tomcat8 WIReportServer



Restructure – Infrastructure – Scale Up?

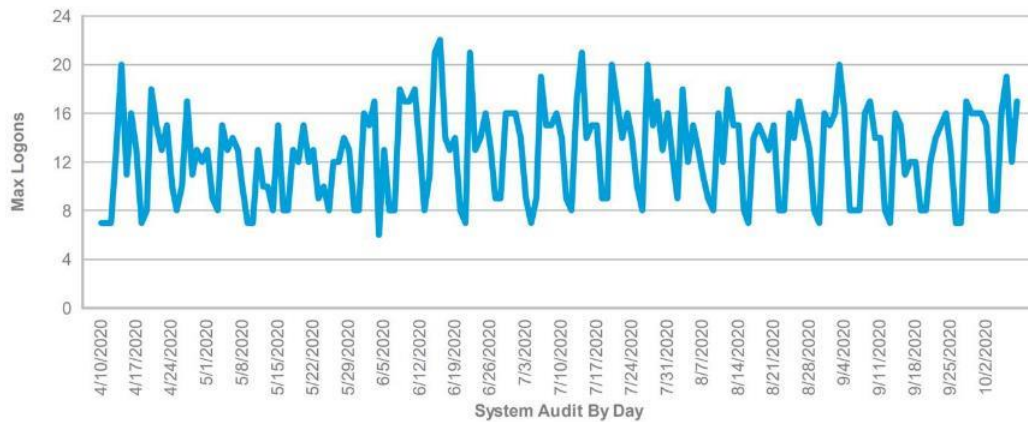


User Logons By Hour



Concurrent Sessions By Day

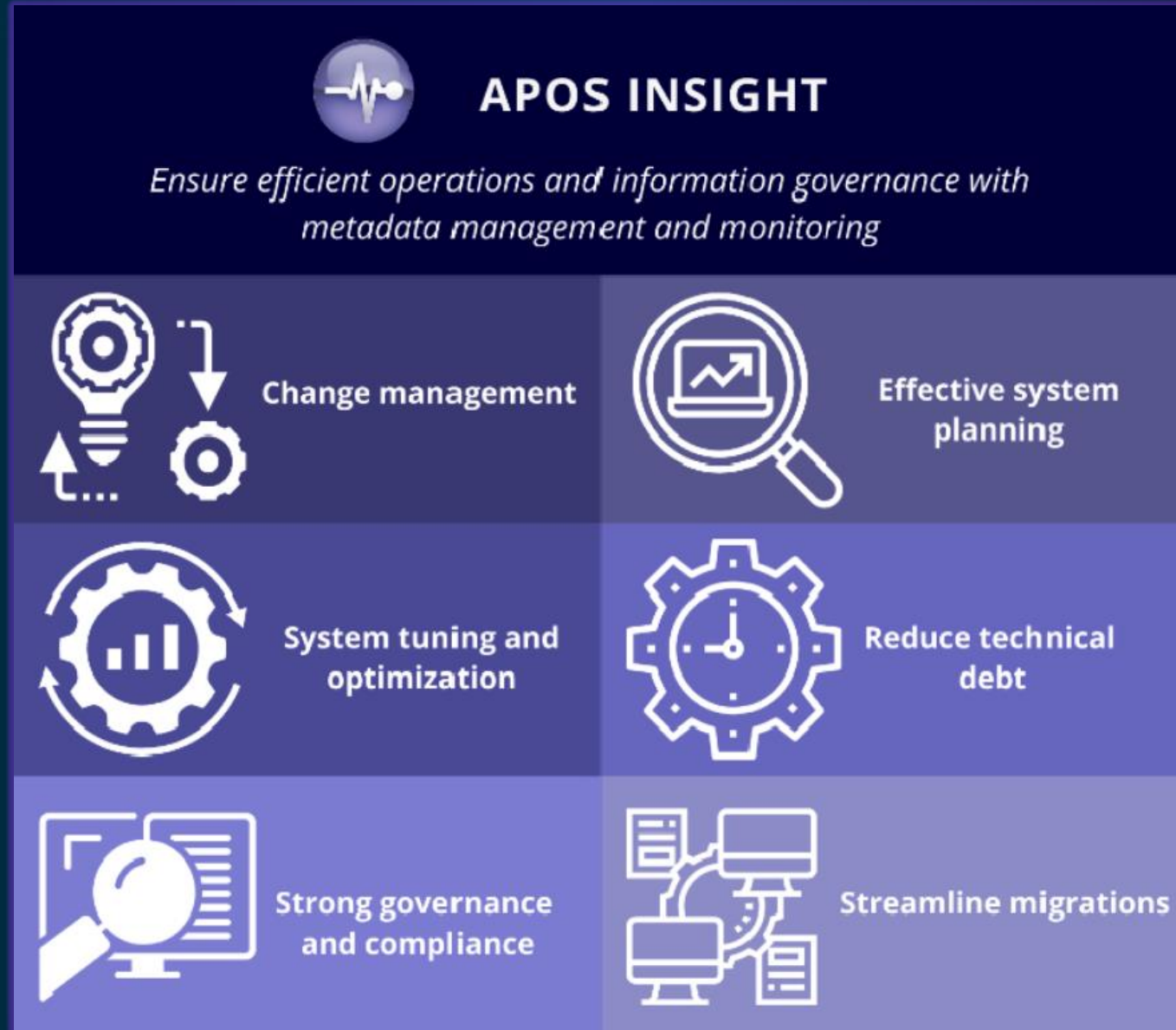
For this scenario, we will retrieve the maximum number of concurrent sessions that we saw and then display the max number of concurrent sessions per day.



Restructure – Licensing Volume

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

APOS Insight



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

Regrouping for your SAP BusinessObjects Future

Recommendations:

- Take stock of what you have
- Assess & action unsupported content
- Right-size your system content
- Upgrade platform to Version 4.3
- Upgrade Universes to UNX format
- Automate for efficient management



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

STREAMLINE YOUR MOVE TO UNX UNIVERSE



Freemium Upgrade Offer

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 UNX format



HIGH VOLUME REPOINTING OF REPORTS

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



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 Freemium Offer

Free Production deployment use of APOS Web Intelligence Migrator:

- Scan and inventory your SAP BI systems
- Bulk convert all UNV universes to UNX
- Bulk repoint up to 200 WebI reports
- Validate migration success
- 100 days of free use
- Inventory multiple systems
- Guidance and support



Access now at
apos.com/freemium



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 from SAC to wide range of data sources



APOS Publisher for Cloud

- Automated broadcasting and distribution of personalized SAC reports to target user groups



APOS Insight for Cloud

- Enhanced Monitoring, Auditing and Report Testing for SAP Analytics Cloud

Upcoming Event

Technical Deep Dive:

Automated Streamlining and Right-Sizing of Your SAP BusinessObjects Deployment



This technical session will look closely at the APOS mechanisms and best practices to simplify and automate the initial and ongoing system right-sizing processes, which bring future-focused efficiency and order to your SAP BusinessObjects deployment.

This live webinar will include time for Q&A.

December 14 - 11am Eastern Time

Link to register in webinar handout

Register at www.apos.com

Upcoming Event

Technical Deep Dive: **APOS Publisher for Cloud**



Join us for a great opportunity to take a deep dive with our solution consultants with in-depth live demos and Q&A.

In this session you will get insight into how customers are using APOS Publisher for Cloud with SAP Analytics Cloud as we demonstrate the most popular (and interesting!) use cases.

November 30 - 11am Eastern Time

Register at www.apos.com



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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Please enter your questions in the Q&A panel.



Thank you!

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