

WEBINAR

Enhance SAP Analytics Cloud Reporting with Scheduling and Broadcasting





Who is APOS?

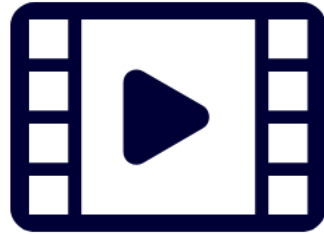
- Formed in 1992
- Enabling BI platform management, administration, migration, governance and compliance
- Simplifying, automating, extending SAP Analytics Cloud, SAP BusinessObjects, and SAP data analytics
- Strategic SDK development and consulting
- Hundreds of customers globally



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**

Today's Session

Key Topics

- **Information Recipients & User Scenarios**
- **SAP Analytics Cloud Publications – Functions & Boundaries**
- **APOS Publisher for Cloud – Functions, Architecture, Process, Roles**
- **APOS Publisher for Cloud – Solution Configuration & Execution**
- **Q&A** – see webinar console

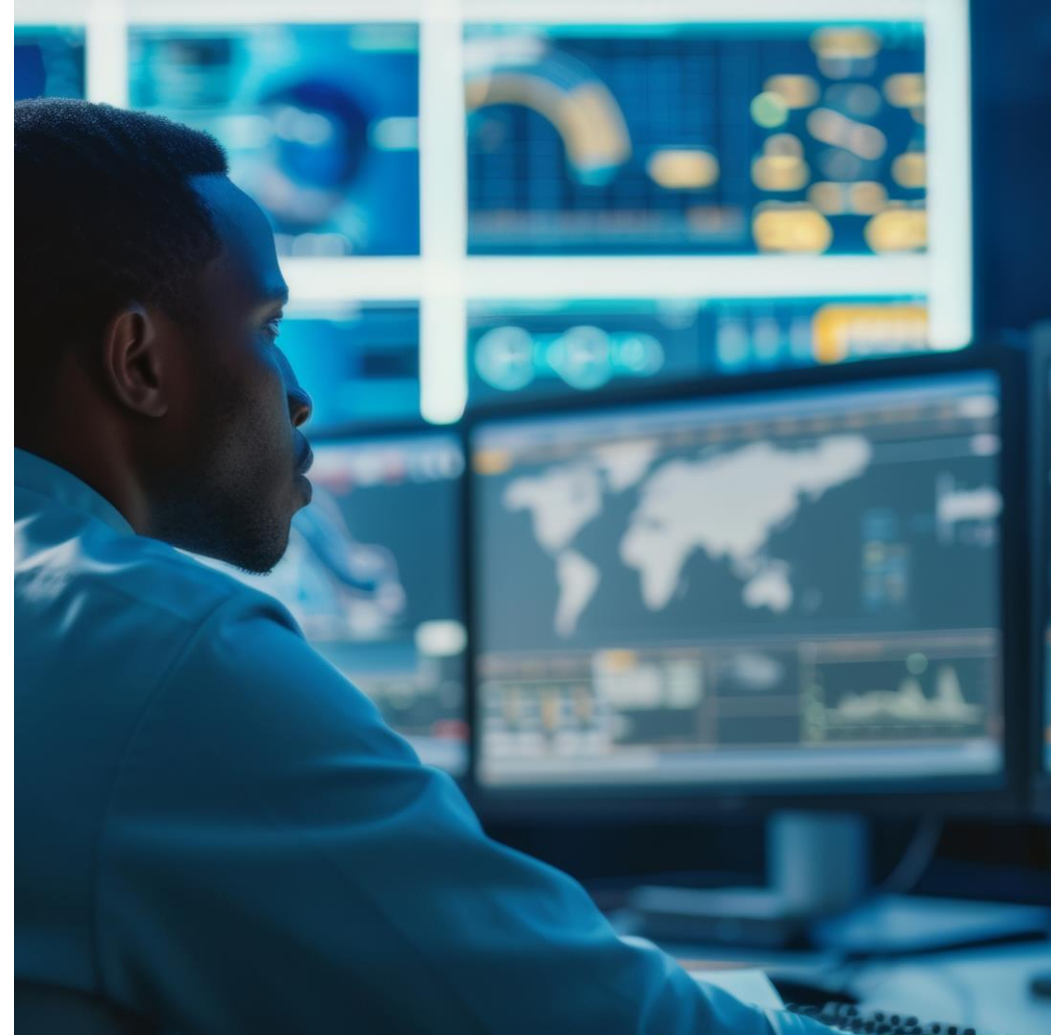


Steve Bickerton

Senior Principal, North American BTP Center of Excellence



Information Recipients & User Scenarios



SAP Analytics Cloud - Report Access

- **Most analytics consumers access reports by logging into SAC**
- **Some consumers require reports to be pushed directly to them**



Information Recipients



Executives

Executives to receive daily briefing book reports providing consolidated KPI reports into one package. These reports are pre-processed and delivered to them to fit precise time windows.

Customers

Provide customers with order processing updates, including inventory status and shipping date estimates. These reports to be generated and emailed to key contacts of each customer, with data for just their account.

Information Recipients



Finance Teams

Group company finance leaders need to receive individual company and consolidated financial reports. The reports must be personalized with various degrees of granularity depending on the recipient role and company affiliation. Pre-processing and distribution of these reports provides timely information for the finance teams.

Store Managers

Individual retail store managers to receive regular (daily, weekly, monthly) sales and inventory reports to allow review key status and performance KPIs for team management and collaboration between stores. Each manager must receive data for only their store.

Information Recipients



Suppliers

Inventory status and order requirement details sent regularly to each supplier to allow them to better support just-in-time flow of parts. Each supplier should receive only data that is relevant to them.

Sales Teams

Individual account managers to receive customer status reports for their accounts, including sales orders and current order status reports.

SAP BI & Analytics

SAP Report Scheduling & Broadcasting Solutions

- SAP BEx Broadcaster
- SAP BusinessObjects Publications
- SAP Analytics Cloud Publications



SAP Analytics Cloud Publications

Functions & Boundaries



SAP Analytics Cloud Publications

What is SAC Publications?

SAP Analytics Cloud (SAC) Publications are a feature that allows users to schedule, create, and distribute reports or analytical content in a variety of formats, including PDFs or PPT files. Publications can be sent to specific recipients or groups, helping to automate the delivery of business insights to stakeholders.



SAP Analytics Cloud Publications

SAC Publications Example:

- Schedule SAC Story to Email
- Send as PDF as attachment
- Customize email body
- Add link to story in email

Schedule Publication

Share Story by E-mail
With access to SAP Analytics Cloud, you can share a story with users or teams as well as external users.

*Event Name:
Customer Shipping Reports

Start Date:
Feb 7, 2025, 12:05

+ Add Recurrence
Check Availability

File Type:
PDF

Email Subject: *
Customer Shipping Reports

Email Message: ⓘ Type 'T' for dynamic text
B I U ¶ ≡ Verdana 10 pt A ...
Hello,
Please find attached your 2025 Customer Shipping Report for Q1
Thanks
SAC Scheduling Team

Email Delivery Options: ⓘ
Attachment

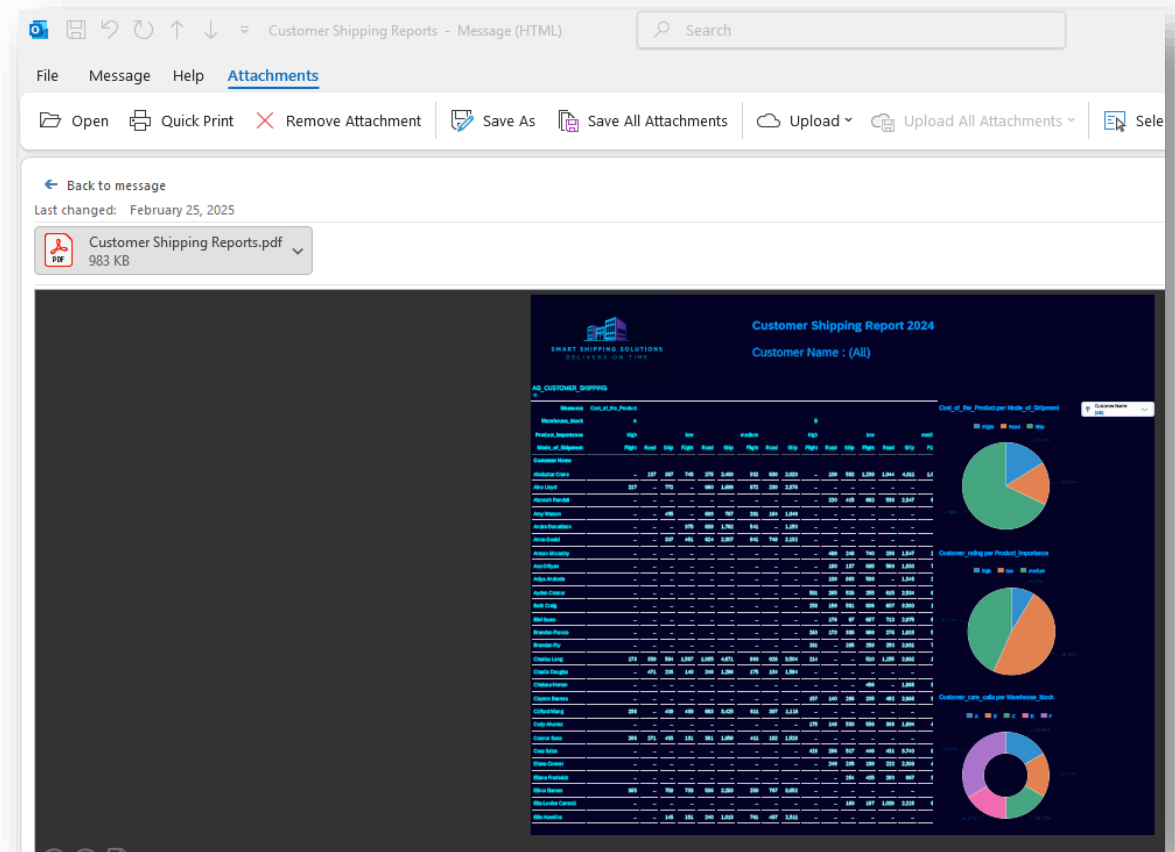
☒ Include link to story

Create Cancel

SAP Analytics Cloud Publications Usage

Native SAC Publications is successfully used to fulfill basic report scheduling and distribution use cases:

- Generation and send of static reports on a one-time or recurring schedule that is a date/time-based schedule
- Schedule volume levels are modest and are evenly spread throughout the day
- Each schedule runs a report and distributes to an individual or a small group of users by email
- Recipients are SAC users
- All report recipients receive the same report with the same data set



SAP Analytics Cloud Publications - Boundaries

The screenshot shows the SAP Help Portal interface. The top navigation bar includes the SAP logo, 'Help Portal', and links for 'Browse by Product', 'SAP Learning Journeys', 'What's New', and 'Explore SAP'. Below the navigation bar, there are icons for 'Favorite', 'Download PDF', and 'Share'. The main content area is titled 'Bookmark: The copy of a story that you customize for a specific audience and that's saved for quick reference and retrieval. In scheduling, personalization for a particular audience is achieved through bookmarks and by using Prompts.' Below this, a paragraph states: 'Understanding what scheduling publication offers will help you better decide on how and what you want to schedule and share with your team.'

Formats supported

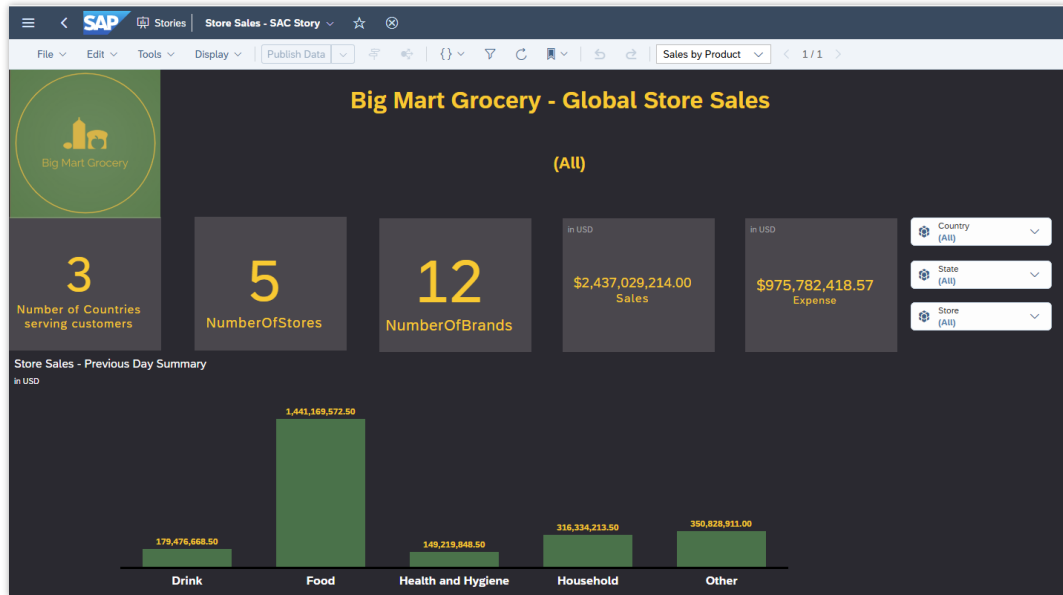
For stories in classic mode	PDF and PowerPoint (.pptx)
For stories in Optimized View Mode, Optimized Design Experience, and Optimized Story Experience	PDF, CSV, and PowerPoint (.pptx)

Note
You can also share a link to the story while scheduling a publication.

Delivery channel	E-mail
Maximum email size	25 MB
Maximum number of SAP Analytics Cloud recipients	Infinite
Maximum number of Non-SAP Analytics Cloud recipients	Three
Content you can schedule	Stories along with the Bookmarks, and Analytic Application
Recurrence interval	Hourly, Daily, Weekly, and Monthly
Scheduling locations	Favorites menu, Featured files, the Files page, or from within the story itself

Built-in SAC scheduling capabilities are limited

Reports for Broadcasting



This SAP Analytics Cloud report, titled "HealthPharma - Group Reporting Sales Margins", displays a detailed sales and production overview. It includes a header with the company logo and a table with columns for Drug Manufacturer, AVG Item Cost, AVG Item Sale Price, Quantity Sold, Production Cost, Sales Revenue, and Sales Margin. The table lists various manufacturers and their corresponding financial data. To the right of the table, summary statistics are provided, including Total Production Cost, Total Sales Revenue, Total Sales Margin, Number of Customers, States Served, Number of Sales, Period displayed, and Branches.

Drug Manufacturer	AVG Item Cost	AVG Item Sale Price	Quantity Sold	Production Cost	Sales Revenue	Sales Margin
BioPharm	41	202	86,703	3,544,212	17,460,189	13,915,976
BioVita Solutions	40	116	74,679	3,028,856	8,740,499	5,711,643
CureQuest Labs	39	134	57,732	2,275,271	7,713,170	5,437,898
Helixion Therapeutics	39	120	60,954	2,453,353	7,317,707	4,864,354
Regis BioPharma	30	382	17,546	534,935	6,701,973	6,167,038
Zenith Medical	44	127	52,579	2,338,758	6,562,316	4,223,558
Vividex Pharmaceuticals	38	138	47,328	1,769,050	6,541,522	4,772,492
GenoLink Therapeutics	37	156	36,411	1,219,754	5,754,821	4,435,067
NeuroGen Inc.	39	141	40,828	1,605,185	5,745,613	4,140,429
PremierBio Biologics	41	132	40,322	1,653,707	5,315,695	3,661,988
SerenoPharma	40	77	59,633	2,369,609	4,611,395	2,241,786
QuantumMed	36	128	33,933	1,231,562	4,348,578	3,117,016
Vitalis Pharma	37	129	31,918	1,197,061	4,098,955	2,901,894
Enovate Health Sciences	42	116	32,324	1,352,713	3,771,438	2,418,725
Quintile Innovations	36	157	20,190	720,072	3,175,603	2,455,531
Edison Therapeutics	39	157	11,598	453,483	1,773,841	1,320,358
Solara Biotech	53	211	8,027	430,469	1,691,742	1,261,273
PrimeLife Pharmaceuticals	33	118	14,037	450,097	1,653,631	1,203,534
Horizon Therapeutics	42	109	13,630	576,144	1,479,260	903,116
Tall Labs Pharma	39	161	4,945	190,863	793,804	602,941
Overall Result	39	151	745,317	29,495,135	105,251,751	75,756,615

Summary Statistics:

- Total Production Cost: \$29,633,343
- Total Sales Revenue: \$105,805,254
- Total Sales Margin: \$76,271,909
- Number of Customers: 8,606
- States Served: 22
- Number of Sales: 25,425
- Period displayed: from 2019 to 2020
- Branches: all

Types of Reports for Broadcasting:

- SAC Stories
- SAC Analytical Applications
- SAP Analysis for Office

Reports for Broadcasting – SAC Stories/Applications

SAP Analytics Cloud Stories

- Limited scheduling volume based on licensing
- Limited scheduling to external recipients
- No conditional broadcasting (trigger/event)
- Hard to configure dynamic recipients, tailored distribution per recipient
- Email only as a destination
- Limitations on stories based on Live Datasphere connection

SAP Analytics Applications

- Not support natively in SAC for Publications

SAP Analysis for Office publications

- Dependent on SAP BusinessObjects
- No SAC scheduling available for SAP Analysis for Office (AfO)

Reports for Broadcasting – SAC Stories

External recipients

- Only able to email to 3 external recipient email addresses
- This limits your publications when needing to publish to external stakeholders

Schedule Publication

Email Delivery Options: ⓘ

Attachment

☒ Include link to story

Customize Script Variable:

OFF

▼ Distribution ⓘ

You can share additional views of the story with the same or new set of recipients.

▼ View 1 ⓘ

SAP Analytics Cloud Recipients:

Add Users or Teams ⓘ

Non-SAP Analytics Cloud Recipients:

ain2004@hotmail.com X | george@aol.com X | michael@gmail.com X

Your license configuration allows you to create a schedule for up to 3 non-SAP Analytics Cloud users.

Customer Shipping Reports ▼

Edit Prompts ▼ Change Story Filter ▼

File Name:

Customer Shipping Reports

File Settings

+ Add Another View

Reports for Broadcasting – SAC Stories

Volume limitations

- Amount of publications per hour is limited based on your SAC licensing

How Many Publications are Available?

Scheduling Publications for SAP Analytics Cloud



Customers	Total No. of SAC Licenses (SAC BI, SAC Planning - Standard and Professional and SAC BI Concurrent licenses)	Number of Publications Per Hour (A)	Number of Publications Per Day (A X 24)
A	24	0	0
B	25	1	24
C	31	2	48
D	100	5	120
E	110	6	144
F	1200	60	1440

Reports for Broadcasting – SAC Stories

Filtering

- Can only filter if story level or page level filters already exist
- Cannot filter on the fly based on any dimension associated with model

Schedule Publication

Email Delivery Options: ⓘ

Attachment

☒ Include link to story

Customize Script Variable:

☐ OFF

Filters greyed out

▼ Distribution ⓘ

You can share additional views of the story with the same or new set of recipients.

▼ View 1 ⓘ

SAP Analytics Cloud Recipients:

Add Users or Teams ⓘ

Non-SAP Analytics Cloud Recipients:

Enter Email separated by comma

Story View:

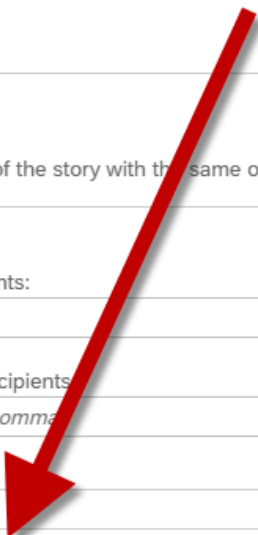
Customer Shipping Reports

Edit Prompts ▼ Change Story Filter ▼

File Name:

Customer Shipping Reports

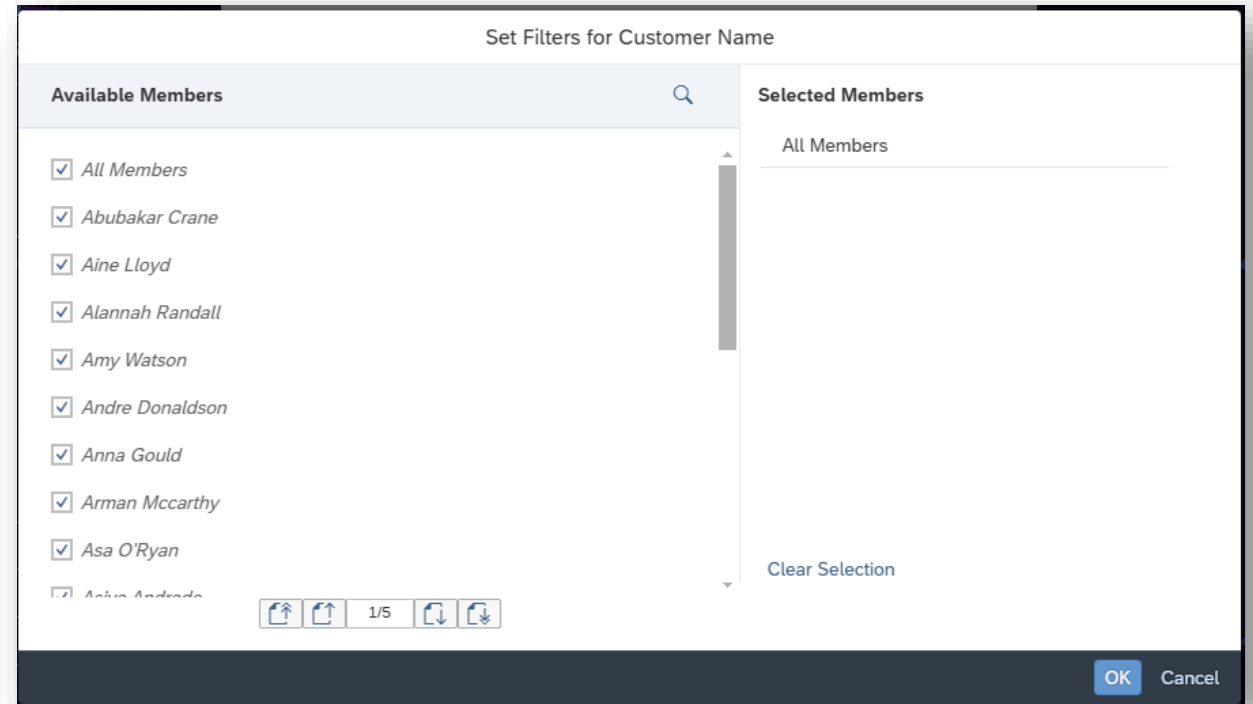
File Settings



Reports for Broadcasting – SAC Stories

Dynamically driven properties

- No option to dynamically set filter values
- No option to set dynamical values for any other property
e.g. Variables, Email address lists etc.



Reports for Broadcasting – SAC Stories

Conditional Broadcasting

- Can only scheduling trigger-based on recurrence
- Cannot do event/trigger-based broadcasting based on certain conditions or thresholds

Schedule Publication

Share Story by E-mail
With access to SAP Analytics Cloud, you can share a story with users or teams as well as external users.

*Event Name:

Cus

Start

Feb

+ A

Che

File T

Exc

Email

Cust

Email

B

Recurrence Settings

Recurrence Pattern:
Week

Every:
1 Week(s)

Start On:
Sun Mon Tue Wed Thu Fri Sat

Start Date of First Occurrence:
Feb 11, 2025, 9:17

End Recurrence By:
Number of Occurrences

Number of Occurrences:
8

Last Occurrence: Apr 1, 2025, 9:17

OK Cancel

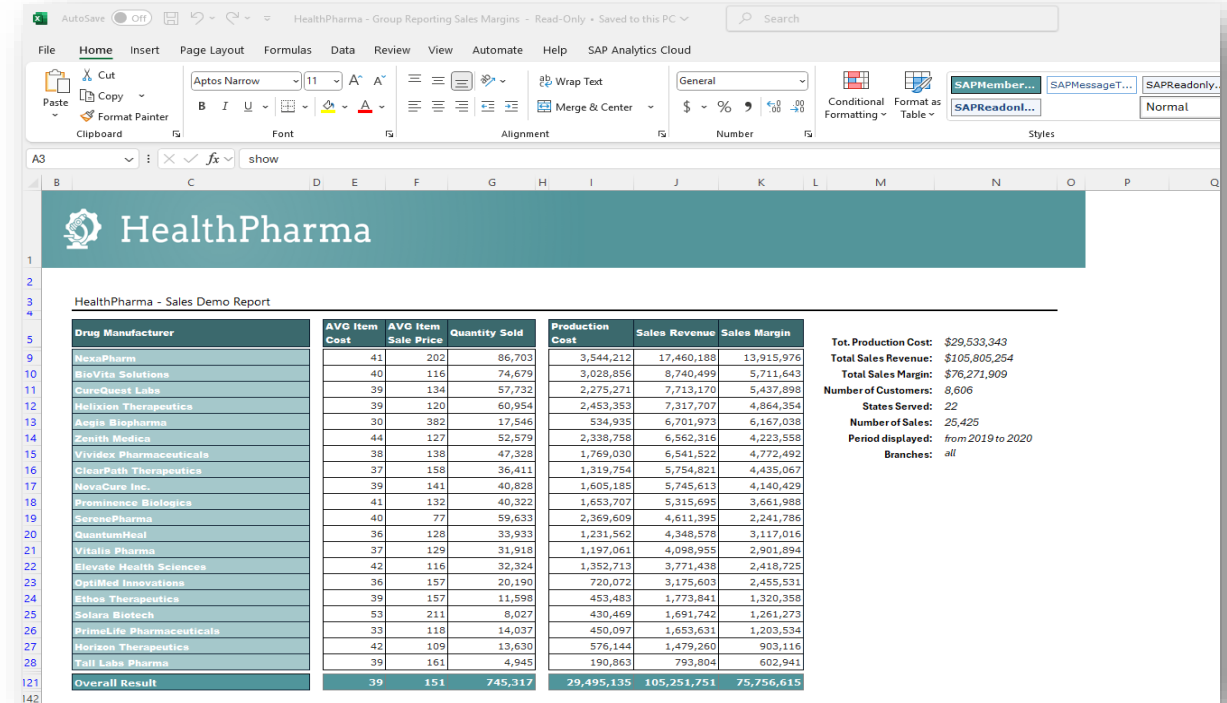
☒ Include link to story

Customize Script Variable:

Reports for Broadcasting – SAP Analysis for Office (AfO)

Analysis for Office Broadcasting

- Heavily dependent on SAP BusinessObjects for scheduling
- Can store AfO reports in SAC but cannot schedule
- Users coming from BEx Broadcaster need scheduling solution for AfO





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SAP Analytics Cloud Publications - Boundaries

SAP Analytics

Portfolio comparison by use case

Business Intelligence										Planning	Augmented Analytics		
High Volume Publications	Operational Reporting	Ad Hoc Reporting	MS Office Integration	Analytic Applications	Mobile	Dashboards	Data Exploration	Data Discovery	Content Catalog	Enterprise Planning	Conversational Analytics	Automated Analytics	Predictive Analytics
(*)		 SAP Analytics Cloud											
 SAP BusinessObjects BI Suite													

(*) For high volume publication workflows in SAP Analytics Cloud, we recommend 3rd party solutions, e.g.

<https://www.apos.com/content/apos-publisher-sap-analytics-cloud>

APOS Publisher for Cloud

Automated SAP Report Broadcasting

- SAP Analytics Cloud – Reports/Stories
- SAP Analytics Cloud - Analytical Applications
- SAP Analysis for Office Reports



Serve Information Needs + Modernize Analytics

Push Analytics to casual S/4HANA users

- Remove information barriers for infrequent S/4HANA users who require reports
- Serve information needs of both SAC users and strategic external stakeholders

Address current SAP BusinessObjects scheduling and broadcasting workflows

- Remove reliance on SAP BusinessObjects and simplify path to SAC adoption

Modernize BEx Broadcaster use cases

- Remove reliance on legacy BW / BEx technologies and simplify path to SAC adoption

Centralize and govern report broadcasting

- Monitor, manage and control report broadcasting processes
- Manage and optimize Analysis for Office scheduling patterns and related query activity

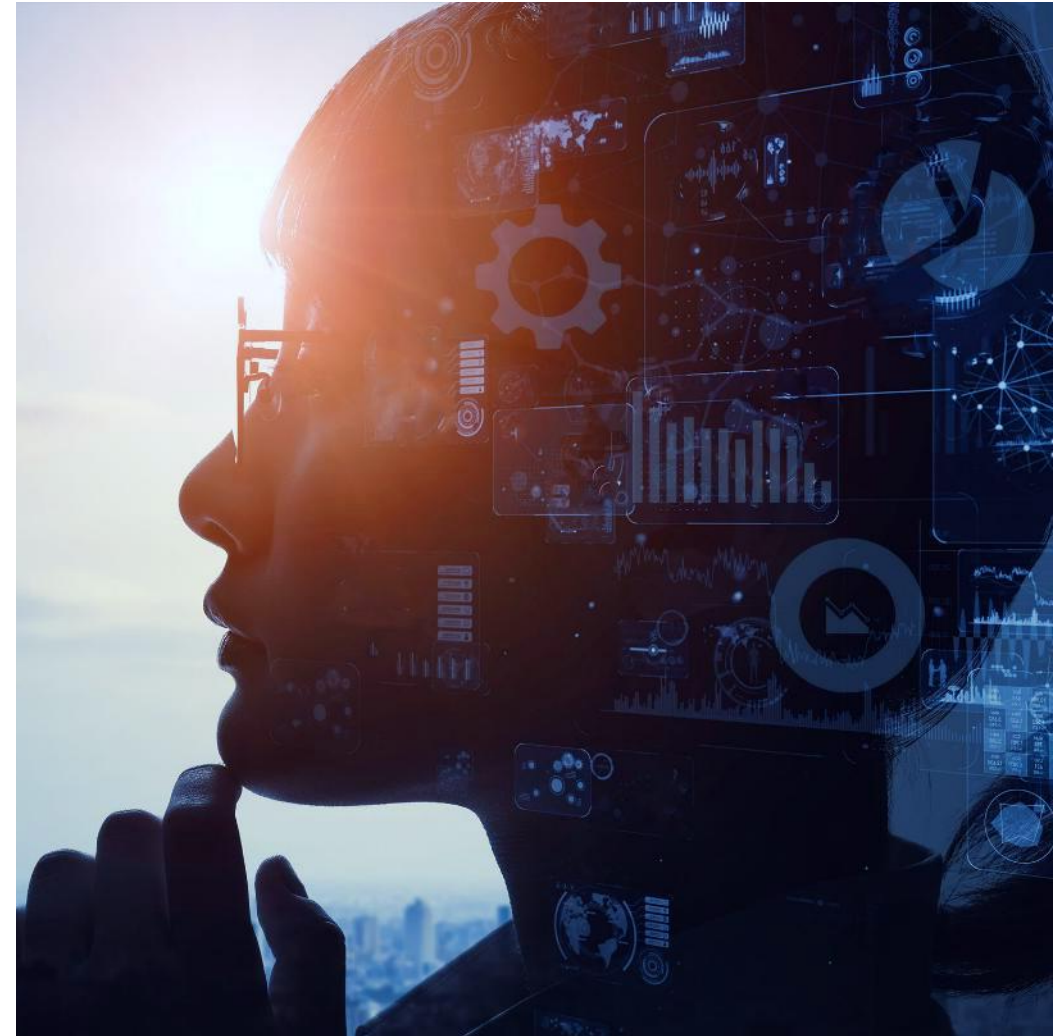
Alan Golding

Solution Consulting Manager, APOS



APOS Publisher for Cloud

Functions, Architecture, Process & Roles



APOS Publisher for Cloud

APOS Publisher for Cloud is a software solution that automates the generation of tailored versions of report content from SAP Analytics Cloud (SAC), and then distributes that analytics content out to targeted users and locations.

The solution functions to broadcast personalized analytics to the right people, at the right time, and in the right format.

“Broadcasting”



“Bursting”



APOS Publisher for Cloud



Dynamic Rules

Dynamically generate tailored report distribution using dynamic recipient data



Filters/Variables

Apply filters and variable values on an individual basis so everyone is getting their own data



Security Integration

Supporting the various ways SSO is configured on customer's landscape



APOS Publisher for Cloud



Formats & Destinations

Supporting wide range of reporting formats and flexible delivery destinations



Consolidation of Multiple Reports

Reduce overload of emails/reports by consolidating into one single report/email



Export Options

Allow multiple export formats in a single email (e.g. XLS, PDF and PPT)



Widget Level Broadcasting

Target specific widgets on a given SAC Story page



APOS Publisher for Cloud



Integrated Scheduling

Web-based scheduling accessible from a browser



Conditional Broadcasting

Trigger/event based scheduling based on specific conditions/thresholds



Monitoring & Alerts

Monitoring distribution processes and receive notifications about the status



Customer Success Profile

Large and diversified **marketer, wholesaler and distributor of healthcare, medical and pharmaceutical products**

- \$12 billion+ annual revenue
- 5,000+ employees
- 100+ locations

Landscape & Core Challenge

In the process of a business transformation project with migration to **SAP S/4HANA**, implementing **SAP Datasphere** and **SAP Analytics Cloud** as their analytics and reporting solution.

To meet operational and regulatory commitments, this customer **must deliver 36 sales and operations reports to external stakeholders** on a regular and recurring schedule.



Solution Requirements

On a scheduled and recurring basis:

- Automatically generate reports that are **filtered for each stakeholder** recipient to include **only data relevant to each recipient**
- Distribute those reports via email to:
 - **External stakeholder** recipients not part of SAC user base
 - **Strategic internal users**
- Provide reports in multiple formats: PDF, Excel, PPT

SAC Solution Barriers:

SAP Analytics Cloud Publications restrictions:

- Reports based on **SAP Datasphere** live data are not supported
- Excel format output is not supported
- Limits on volume of **Publications** below required level

Problem & Pain: Not satisfying this critical requirement would mean significant change to their digital transformation process plan. Changes would include an analytics **technology shift** with **associated delays**, all while **initial go-live was scheduled to happen within 90 days**.



Expanded Solution Considerations

- High-performance, timely broadcasting
- Split and send data to internal and external recipients
- Broadcast Excel data (50,000 records) via email with dataset filtering
- Broadcast PowerPoint and PDF files with embedded, filtered datasets
- Security integration – MFA, OKTA
- Secure broadcast via SFTP
- Use Excel and PowerPoint templates for professional look and feel
- Monitoring & tracking – success/failure notifications
- Performance: Threading and scalability

Outcomes & Customer Success

APOS Publisher for Cloud was successfully deployed:

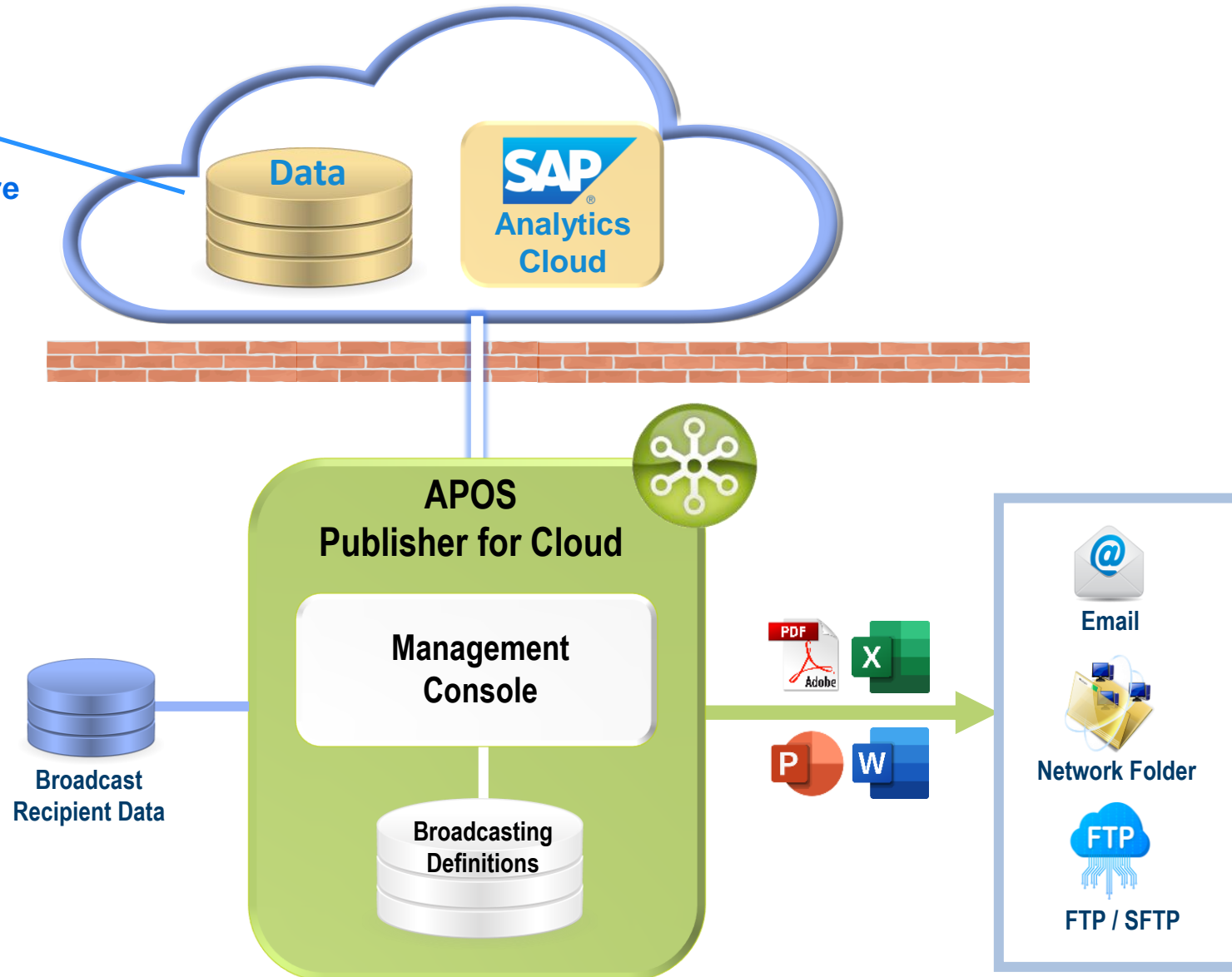
- Initial critical use cases have been met
- Regulatory commitments being satisfied
- **SAP Datasphere** and **SAP Analytics Cloud** Go-Live achieved
- Future use cases will expand the value of **SAP Analytics Cloud** and **APOS Publisher for Cloud**



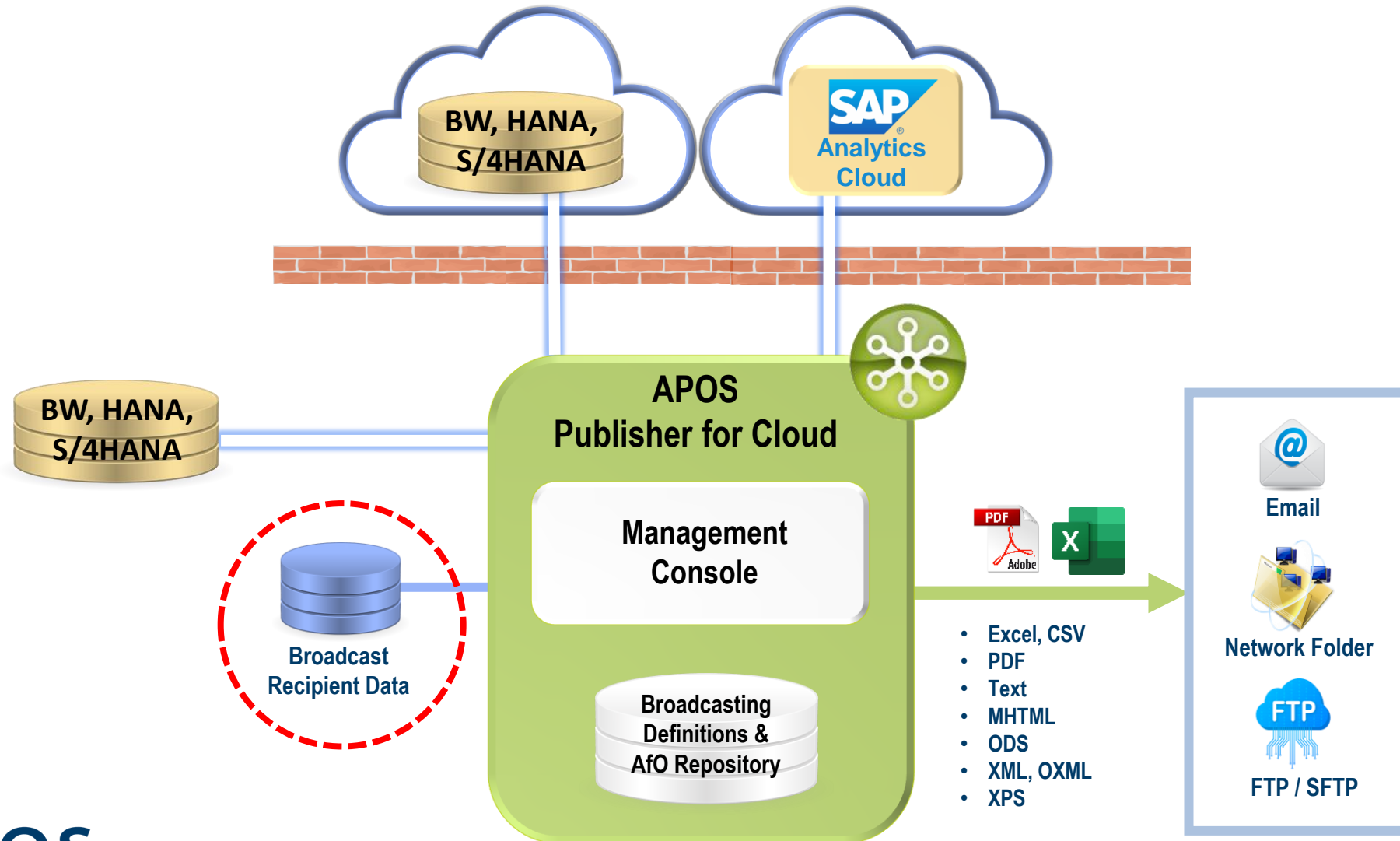
APOS Publisher for Cloud

Any SAC Story

- Live & Import Data
- S/4HANA, BW, Datasphere
- SAP & Non-SAP Sources



APOS Publisher for Cloud – Analysis for Office Support

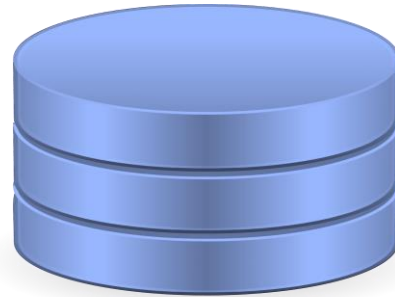


Broadcast Recipient Data

A data source provided by customer which contains values to drive dynamic report filtering and control report distribution.

Any ODBC / OLE DB data source

- Excel
- SQL Server, Oracle, etc
- S/4HANA, Datasphere, BW, BW/4HANA

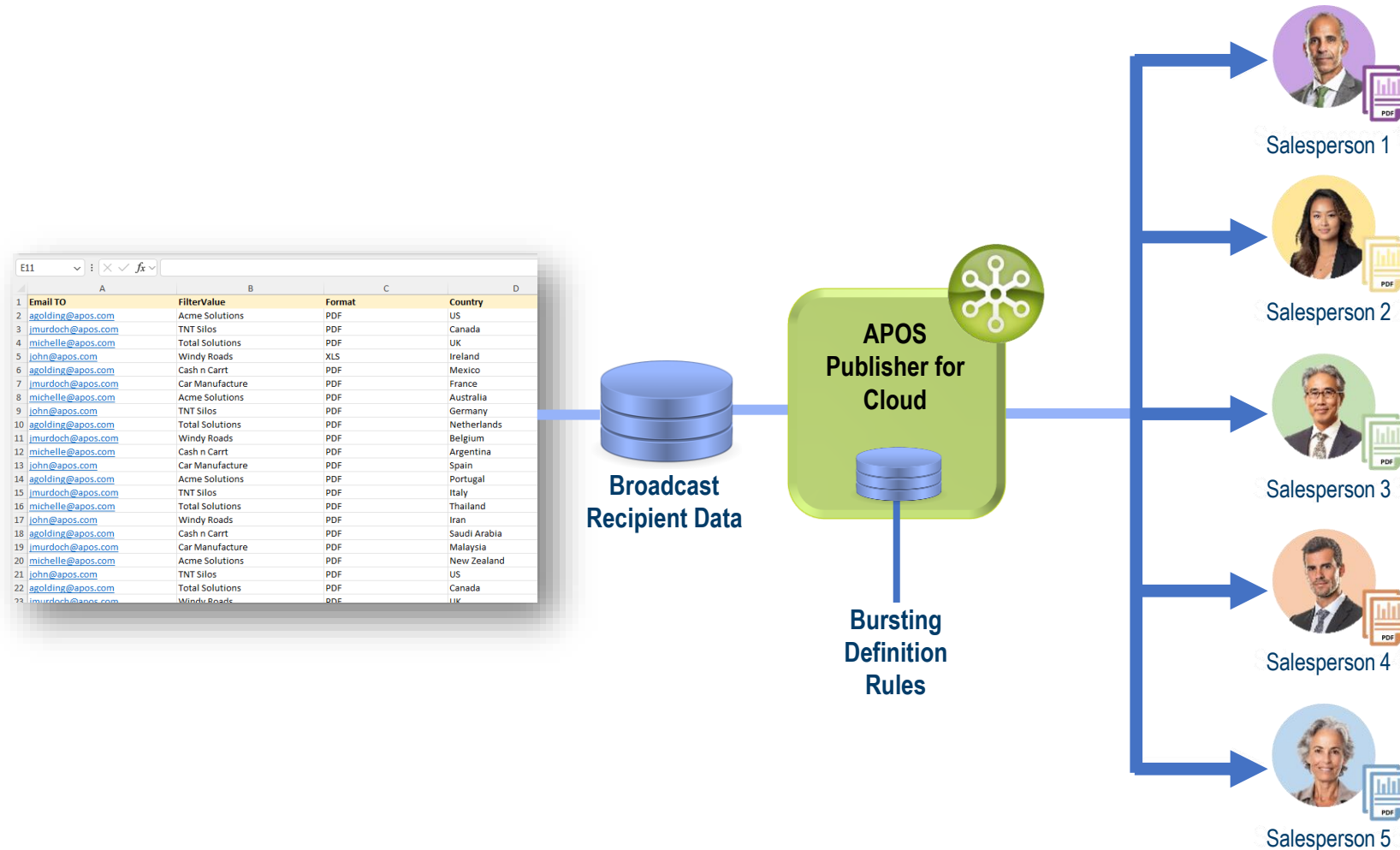


**Broadcast
Recipient Data**

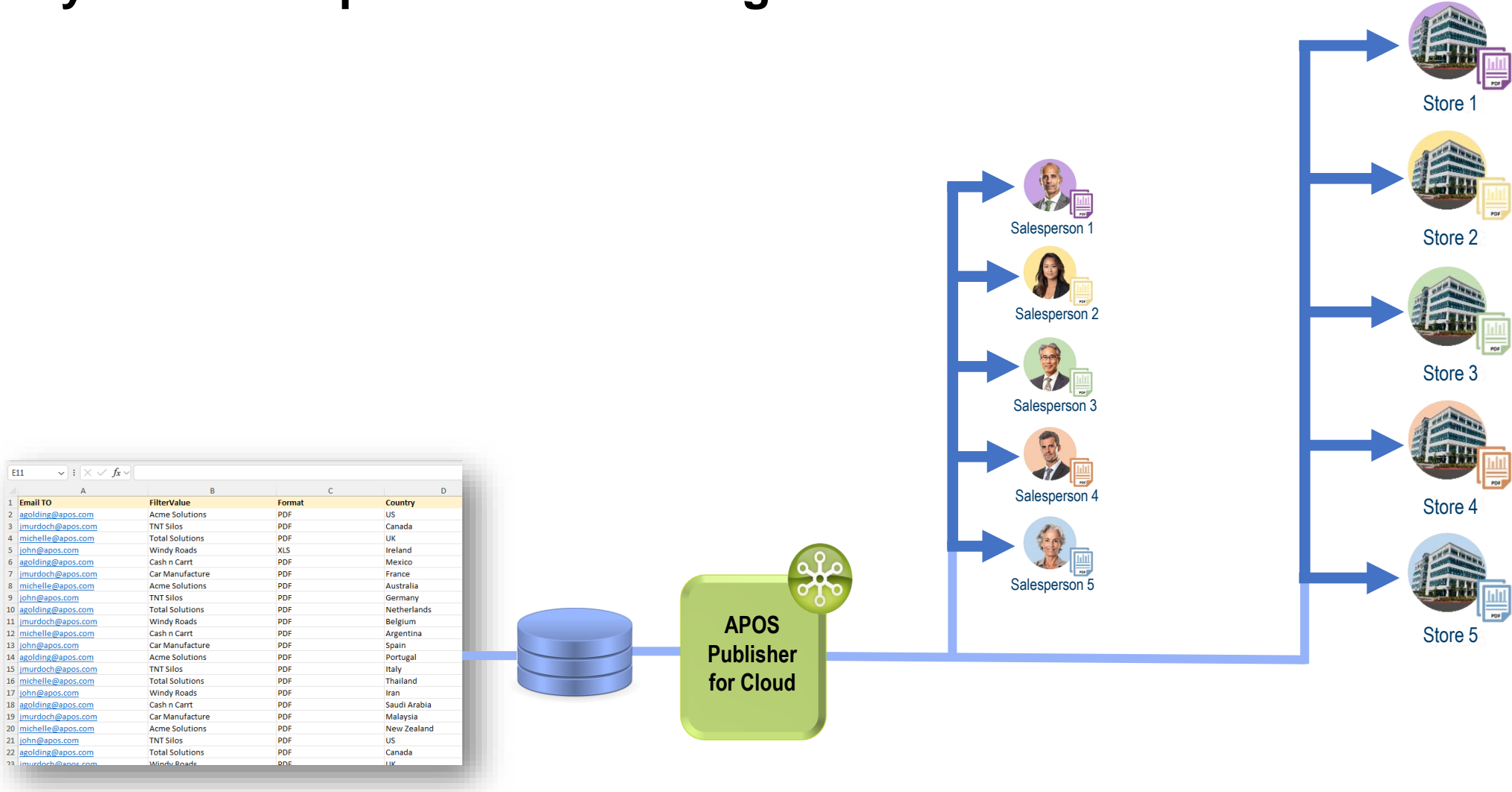
The Publisher for Cloud bursting definition creates the framework and rules for the broadcast.

The Broadcast Recipient Data drives the specific values of the broadcast.

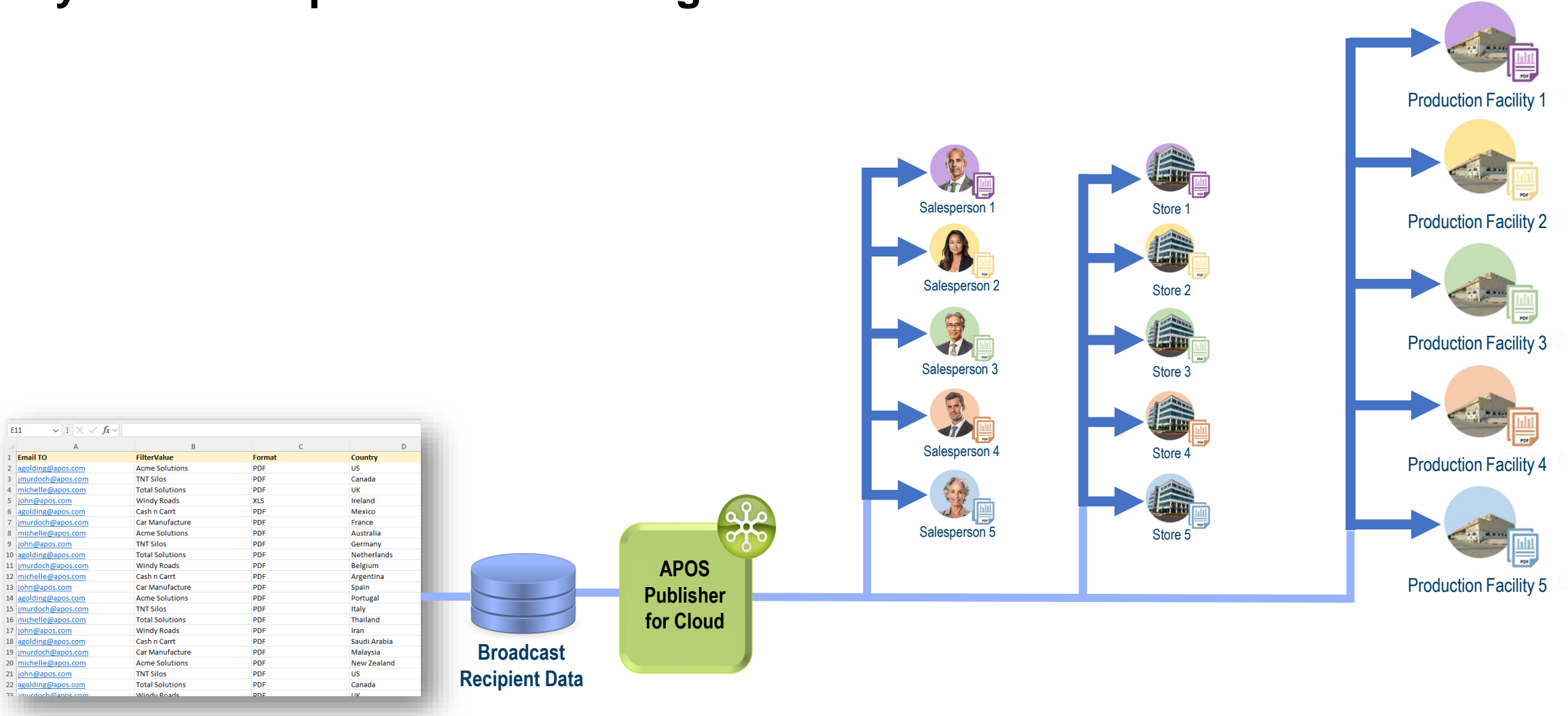
Dynamic Recipient Broadcasting



Dynamic Recipient Broadcasting



Dynamic Recipient Broadcasting



Publisher for Cloud – Broadcast Process + Roles



Broadcast Creator

- Define SAC Content
- Define Broadcast Rules
- Configure Recipient Data Source
- Define Filter Logic
- Define Formats & Destinations
- APOS P4C Windows Desktop Application

1



Broadcast Scheduler

- Schedule Pre-built Broadcast Definitions
- Define Frequency and Recurrence
- Manage Existing Schedules
- APOS P4C Windows Desktop Application
OR
- APOS P4C Web Scheduling UI (Browser)

2



Broadcast Execution

- Automated Schedule
- Windows Application Server

3



Information Recipients



Reports Delivered & Consumed

(PDF, XLS, PPT, DOC, +)



APOS Publisher for Cloud Configuration and Execution



Solution Overview Steps



Broadcast Creator

3

- Define SAC Content
- Define Broadcast Rules
- Configure Recipient Data Source
- Define Filter Logic
- Define Formats & Destinations
- APOS P4C Windows Desktop Application



Broadcast Scheduler

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1



Broadcast Execution



- Automated Schedule
- Windows Application Server



2

Information Recipients



Reports Delivered & Consumed

(PDF, XLS, PPT, DOC, +)

Key Points

- SAP Analytics Cloud Publications addresses basic SAC report scheduling & distribution
- Limits on volume of publications and external recipients are major boundaries
- Limits also for dynamic recipients, conditional broadcasts, and format/destination options
- APOS Publisher for Cloud provides extensive capabilities scheduling & broadcasting
- Automated, data-driven approach addresses broader needs and limits system maintenance
- Transition workflows from SAP BusinessObjects or BEx Broadcasting to SAP Analytics Cloud

SAP Analytics Cloud Bursting and Distribution



Upcoming Webinar

SAP Analytics Cloud & Analysis for Office Report Scheduling & Broadcasting



Thursday, May 29 – 11am EDT / 8am PDT / 4pm BST / 5pm CEST

Register now in PDF in handout panel or using link in Chat panel

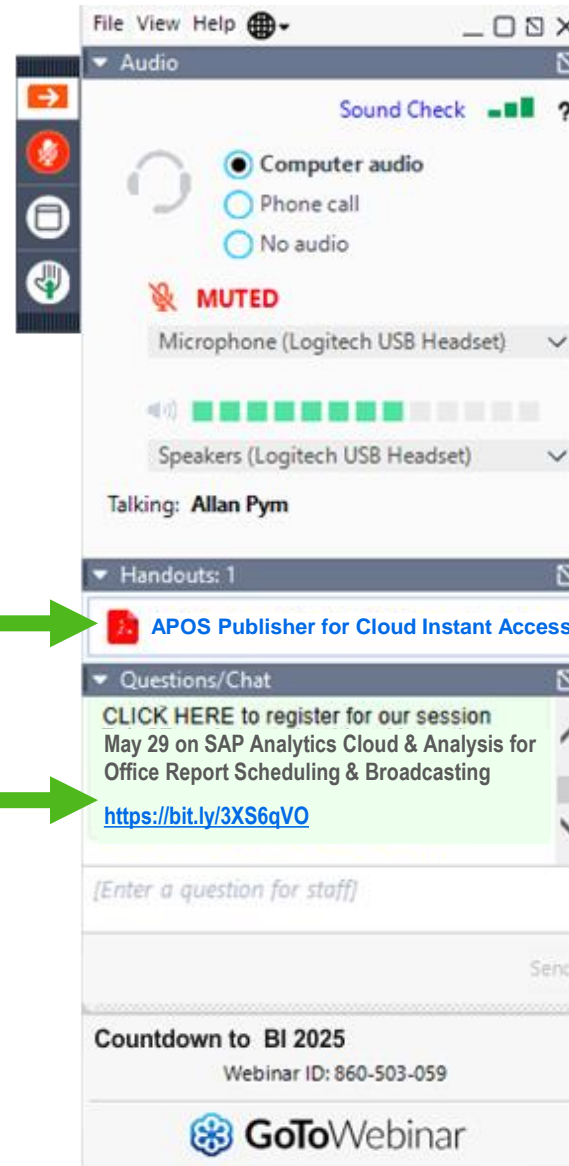
Register at www.apos.com



Register for May 29

- ✓ Open the PDF in the Handout panel and click on the webinar link
- ✓ Open the Chat panel and click the link in the message

Register at www.apos.com



APOS Solutions for SAP Analytics Cloud



APOS Publisher for Cloud

- Automated broadcasting and distribution of personalized SAC reports to target user groups
- Distribute reports to the right people, right time, right location, right format
- Analysis for Office broadcasting and scheduling



APOS Data Gateway

- Live connectivity from SAC to wide range of data sources
- Import data from wide range of sources into SAC
- Extract and Export data from SAC

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

STAY CONNECTED



LINKEDIN
APOS Systems Inc.



Interested in learning more about
SAP Analytics Cloud and sharing your experience?

JOIN THE SAP ANALYTICS CLOUD GROUP TODAY!



Search for “SAP Analytics Cloud (SAC)”
on LinkedIn and request to join



QUESTIONS?

Please enter your questions in the Q&A panel.





Thank you!

Get in touch

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(+1) 519 894 2767

