

Webinar

Advancements for SAC Broadcasting

APOS Publisher for Cloud Solution Update

Today's Session

Key Topics

Advancements for SAC Broadcasting

- SAC Report Broadcasting
 - Report Bursting – Core Solution Capabilities
 - Latest Solution Features
 - Upcoming Features/Enterprise Edition
-
- Q&A – see webinar console



Today's Presenters



ALLAN PYM

Chief Operating Officer
APOS



ALAN GOLDING

Solution Consulting Manager
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



HOUSEKEEPING



You will have
access to the
slides via
email

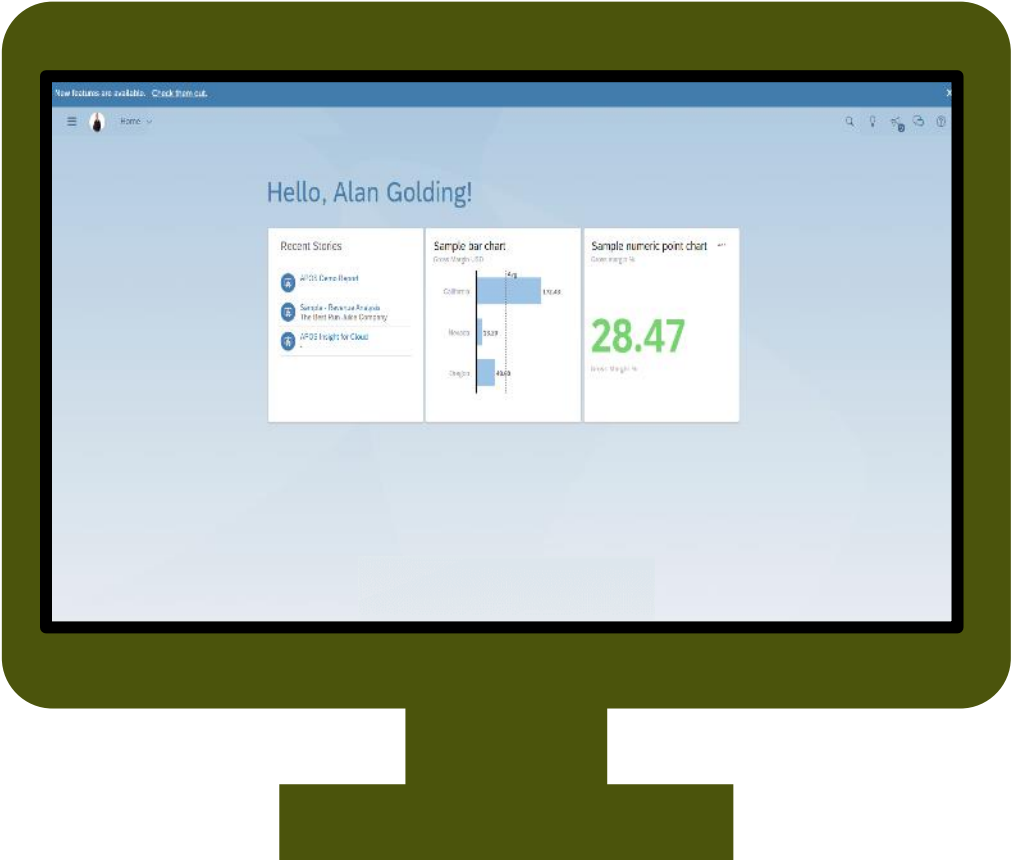


You will get
the **recording**
within 24
hours

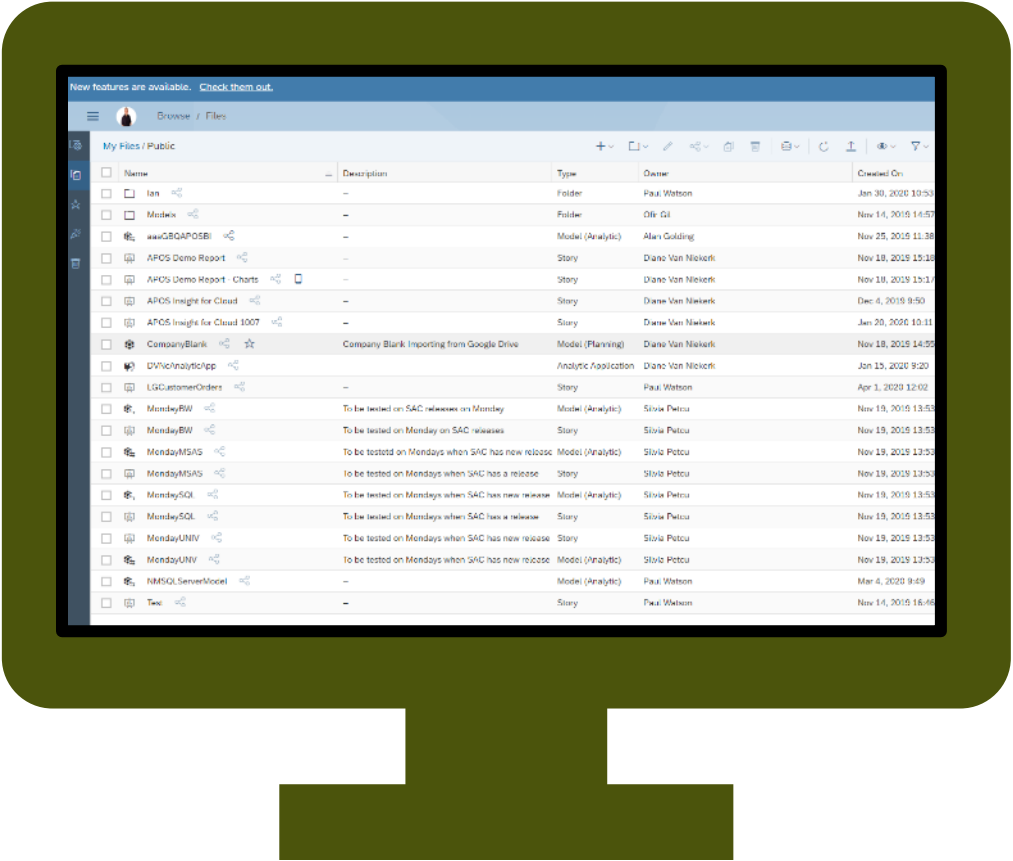


Tell us how
we did in the
survey

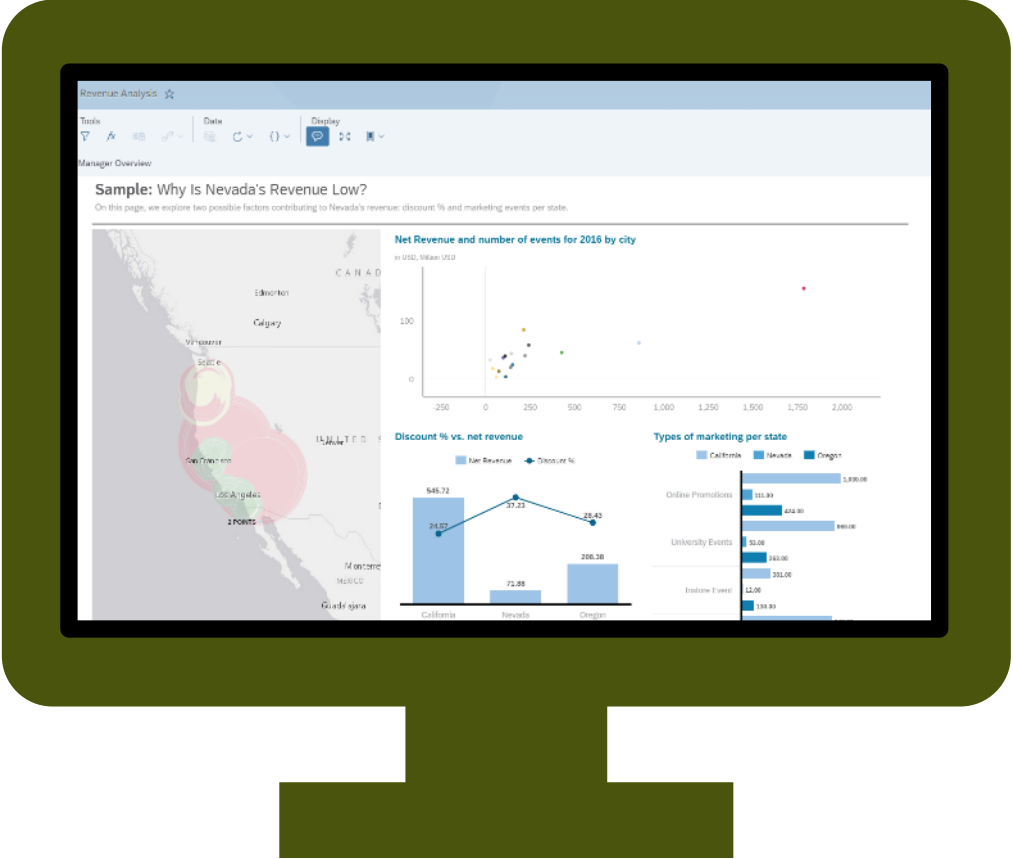
SAC Report Access



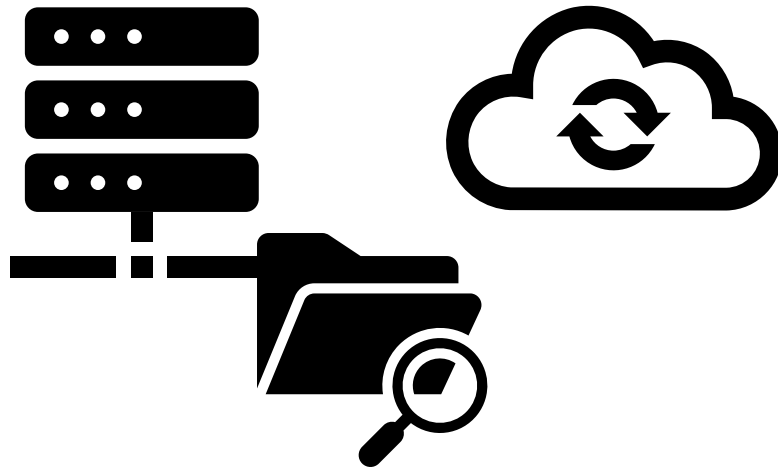
SAC Report Access



SAC Report Access



SAC Report Access – ‘Push’ Requirements



Information Recipients — *Executives*



Information Recipients — *Sales Team*



Information Recipients — *Finance Team*



Information Recipients — *Store Managers*



Information Recipients — *Worksite Supervisors*



Information Recipients — *Shipping / Receiving*



Information Recipients — *Suppliers*



Information Recipients — *Customers*



Why Push Content?



Why Push Content to Information Consumers?

- Information Consumer Expectations
- Barriers to Access
- Connectivity
- External Users
- Simplified Consumption
- Strategic Timing
- Information Accountability



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.

“Bursting”



“Broadcasting”

Success Story:

Customer Analytics

NLMK Europe – European based steel producer (Belgium, Denmark, France, Italy) focused on steel production for the automotive, shipbuilding, construction and energy production industries.

- Sales operations needed view of ready-to-ship product to be provided to customers on a regular basis
- Key information for managing customer expectations and addressing effective shipping arrangements
- Provision of both PDF and spreadsheet format, enabling customers to continue analysis and internal communications with data from the spreadsheet



**APOS**
CUSTOMER SUCCESS STORY


FOCUS CUSTOMER - NLMK EUROPE


NLMK Europe is a steel producer that employs almost 2,000 people at production facilities in Belgium, Denmark, France and Italy with an annual production capacity of 3.1 million tonnes of value-added steel products per year. They focus on processing steel close to customers in the automotive, shipbuilding, construction and energy-production industries.

**CHALLENGE**

NLMK started working with SAP Analytics Cloud (SAC) and the SAP Business Technology Platform (BTP) in 2018. With growth in demand for reporting by internal users, NLMK needed to establish a publishing strategy with SAP Analytics Cloud. Specifically, their sales back-office needed a view of ready-to-ship product information to broadcast to individual customers in a timely manner and in preferred formats, to provide their customers with an overview of product to expect and to confirm shipping arrangements. They had been using static lists generated by their manufacturing system as PDF files, but their customers had expressed a preference for Excel spreadsheets that would allow them to work with the provided information and prepare them for presentations.

NLMK Europe – “Push” Publishing with APOS Publisher for Cloud

**“Push” Publishing**

With widely distributed management and facilities, NLMK needs to broadcast information to consumers who cannot log in to SAP Analytics Cloud, or who do not log in on a regular basis. APOS Publisher for Cloud allows them to do this in a scheduled and timely manner.

**Format Control**

To meet the preferences of their customers, NLMK wants to provide information to them in their preferred formats, initially as Excel spreadsheets, but possibly expanding to other format types such as PowerPoint.

**High-Volume Email Bursting**

With approximately 160 reports that need to be burst in a timely manner, NLMK needs a publishing solution that can manage that volume and scale to higher volume over time.

**Information Control**

NLMK uses APOS Publisher for Cloud’s automated, data-driven publishing capabilities to ensure each information consumer receives only the information to which they are entitled.

**Information Accountability**

By allowing NLMK to make critical information directly and easily available for their information consumers through push publishing, APOS Publisher for Cloud encourages those information consumers to be accountable and responsible for that information.

SOLUTION

When NLMK searched for a solution, APOS Publisher for Cloud was the clear solution to meet all the required functionality:

Targeted Distribution
Dynamic, data-driven process provides customized analytics exclusively to the people who need it, when they need it.

Strategic Timing



EXTEND **SAP ANALYTICS**



Alan Golding
Solution Consulting Manager
APOS



APOS PUBLISHER FOR CLOUD

*Getting personalized analytics to the right people,
at the right time, in the right format*



Personalized Data



Targeted Distribution



Strategic Timing



Tailored Format

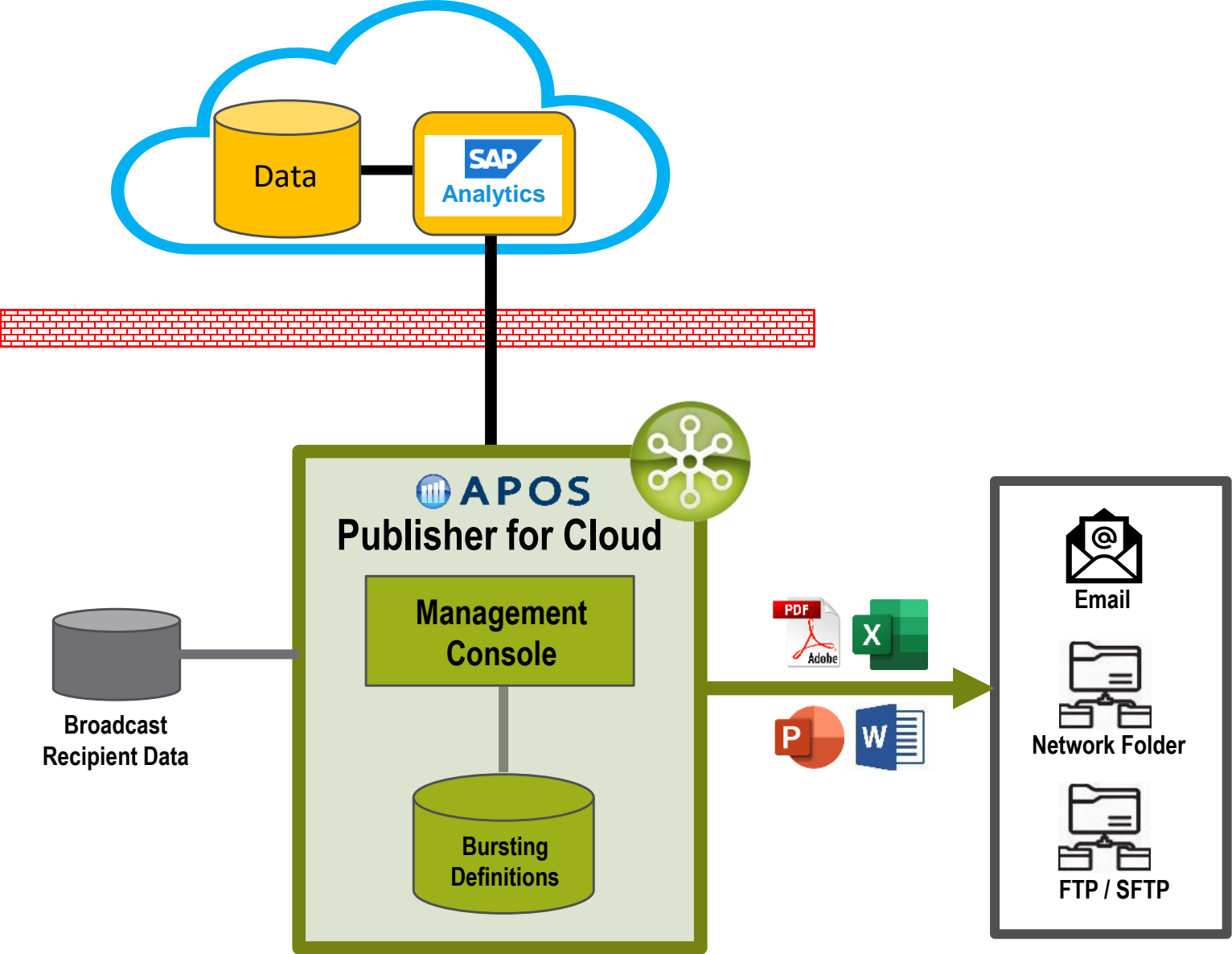


Dynamic Flexibility



Reduced IT Burden

Publisher for Cloud



Publisher for Cloud Bursting/Broadcasting



Dynamic Rules

Filter/Variables

Formats

Destinations

Scheduling & Provisional Bursting

Consolidation of Multiple Reports

Dynamic Rules



- Dynamically drive your bursting definition rules using a datasource
- Datasource can be anything we can connect to with ODBC/OLEDB
- Scale up your volume with minimal effort

	A	B	C	D	E
1	User	Format	Dimension	Value	Email To Address
2	Bill	PDF	COUNTRY	Argentina	bill@company.com
3	Bert	XLS	COUNTRY	US	bert@company.com
4	Bob	DOC	COUNTRY	Canada	bob@company.com
5	Betty	JPEG	COUNTRY	Australia	betty@company.com
6	Derek	PDF	COUNTRY	Brazil	derek@company.com
7	Darcy	XLS	COUNTRY	Mexico	darcy@company.com
8	David	DOC	COUNTRY	Germany	david@company.com
9	Michelle	JPEG	COUNTRY	Ireland	michelle@company.com
10	Mary	PDF	COUNTRY	India	mary@company.com
11	Mark	XLS	COUNTRY	Belgium	mark@company.com
12	Frank	DOC	COUNTRY	UK	frank@company.com
13	Francine	JPEG	COUNTRY	France	francine@company.com
14	Seamus	PDF	COUNTRY	Samoa	seamus@company.com
15	Sean	XLS	COUNTRY	New Zealand	sean@company.com
16	Sarah	DOC	COUNTRY	Thailand	sarah@company.com

Filters/Variables



- Dynamically add filter and variable values
- Create multiple versions of the same story with ease

Add Filter

Document:

APOS Demo Report

Models:

CompanyBlank

Model ID:

t.V:CompanyBlank

+

Dimensions:

City_ID_9902

Dimension ID:

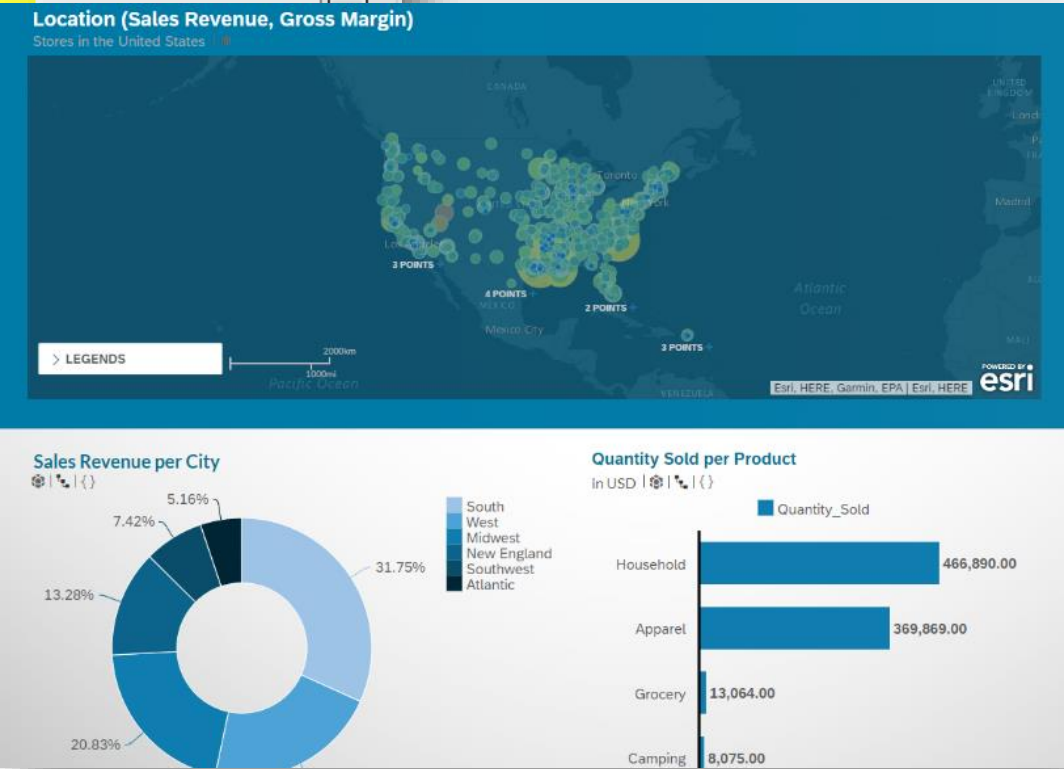
t.V:City_ID_9902

+

Values:

//DATAFIELD-FilterValue//

All Regions



Filters/Variables



- Dynamically add filter and variable values
- Create multiple versions of the same story with ease

Add Filter

Document:

APOS Demo Report

Models:

CompanyBlank

Model ID:

t.V:CompanyBlank

+

Dimensions:

City_ID_9902

Dimension ID:

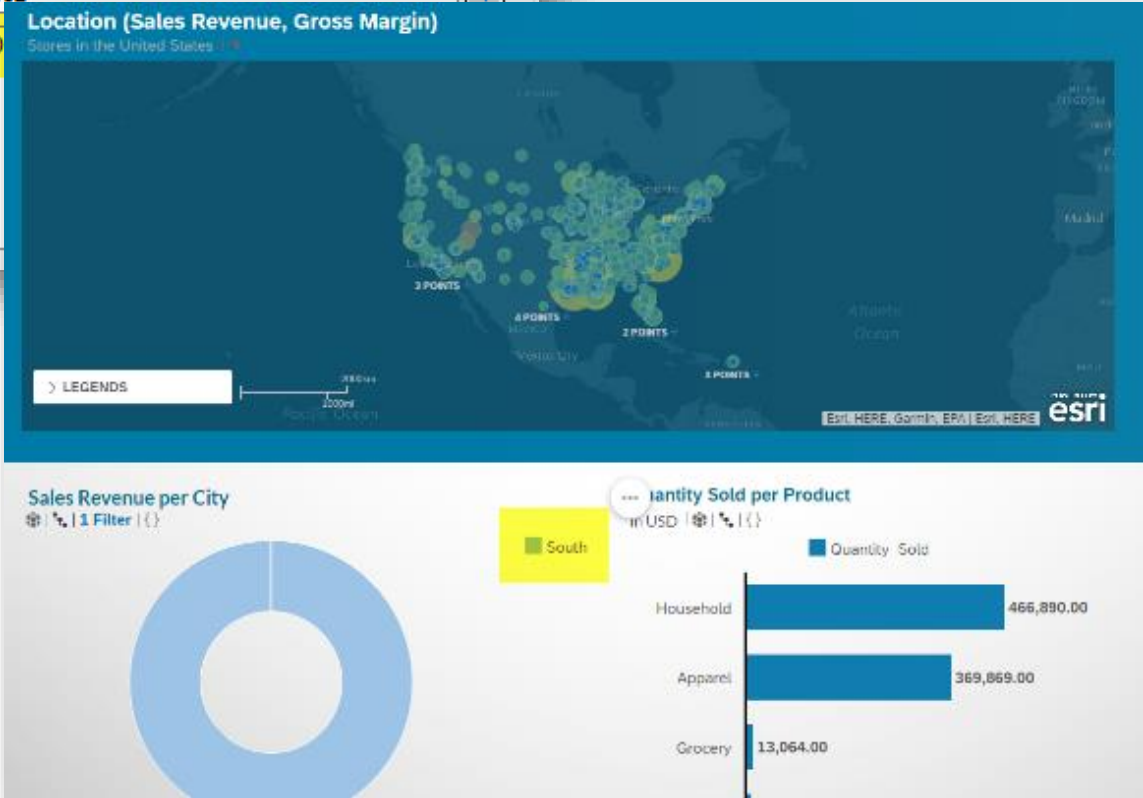
t.V:City_ID_9902

+

Values:

//DATAFIELD

South Region



Filters/Variables



- Dynamically add filter and variable values
- Create multiple versions of the same story with ease

Add Filter

Document:

APOS Demo Report

Models:

CompanyBlank

Model ID:

t.V:CompanyBlank

+

Dimensions:

City_ID_9902

Dimension ID:

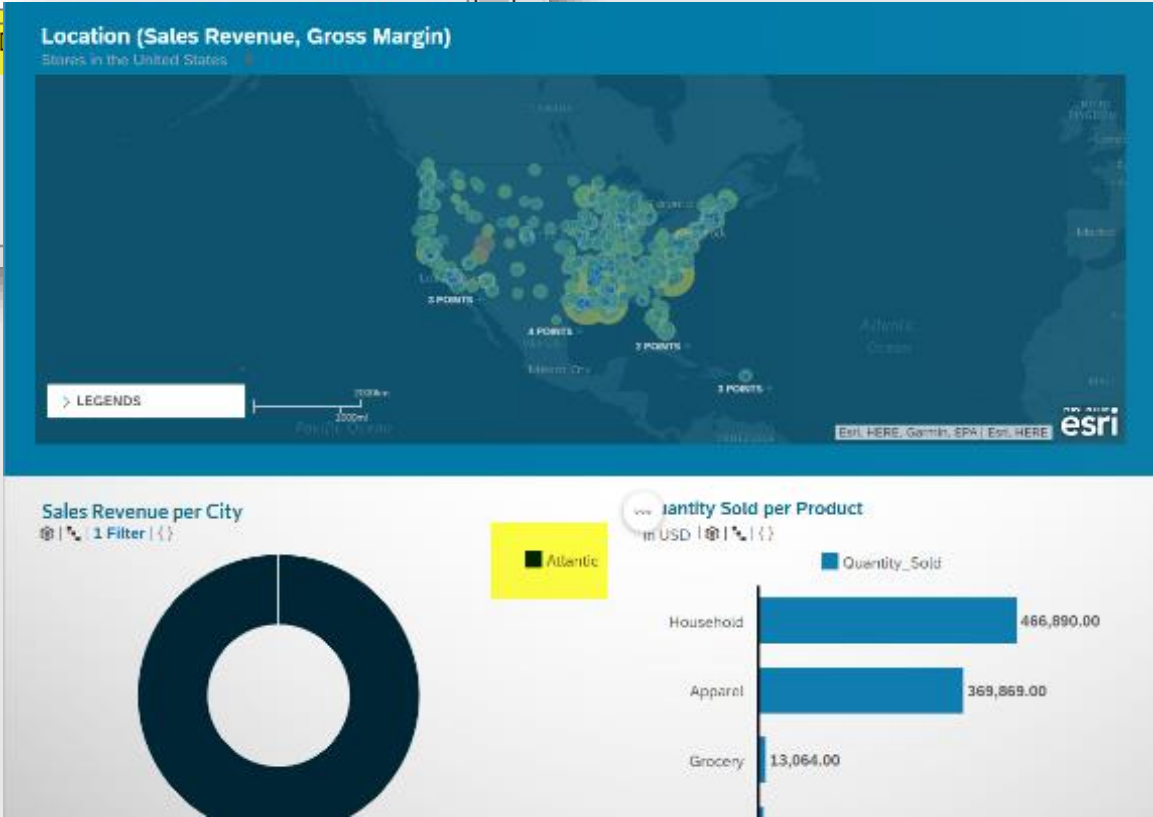
t.V:City_ID_9902

+

Values:

//DATAFIELD

Atlantic Region



Filters/Variables



- Dynamically add filter and variable values
- Create multiple versions of the same story with ease

Add Filter

Document:

APOS Demo Report

Models:

CompanyBlank

Model ID:

t.V:CompanyBlank

+

Dimensions:

City_ID_9902

Dimension ID:

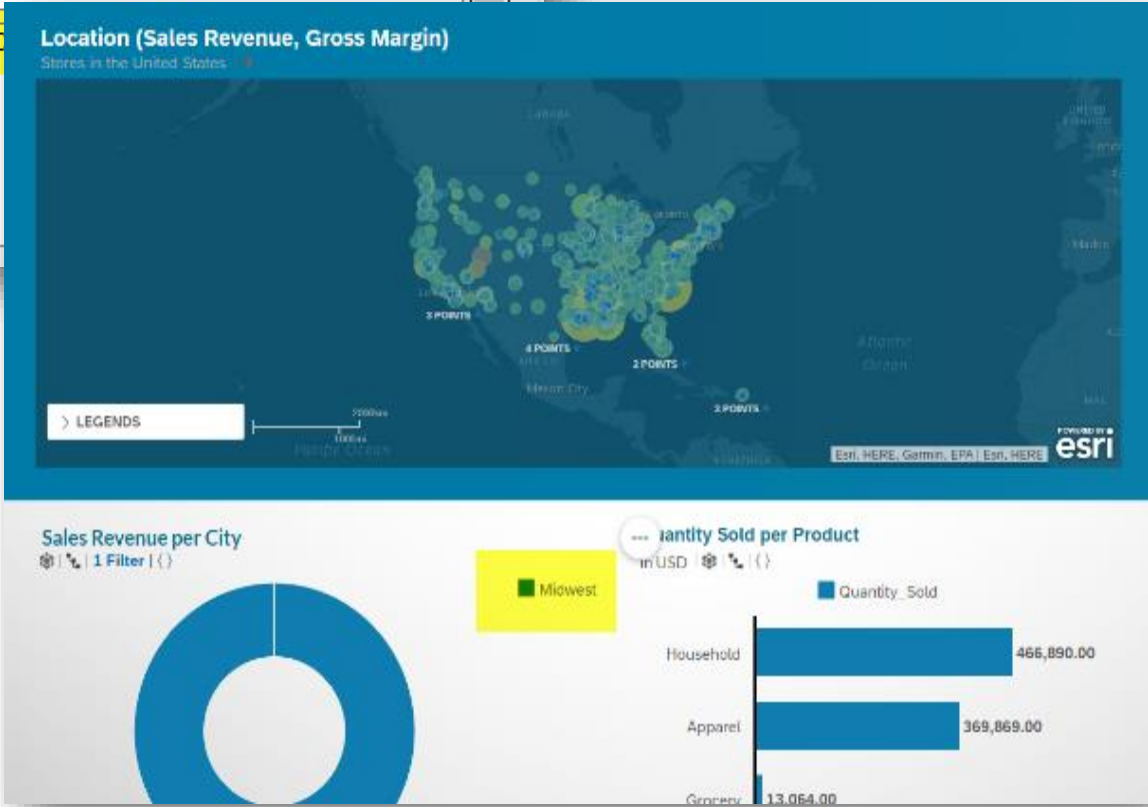
t.V:City_ID_9902

+

Values:

//DATAFIELD

Midwest Region



Formats

- Formats available:
 - PDF
 - Excel with Data
 - CSV
 - PowerPoint
 - JPEG, TIFF, GIF, PNG, BMP
 - MS Word
 - RTF

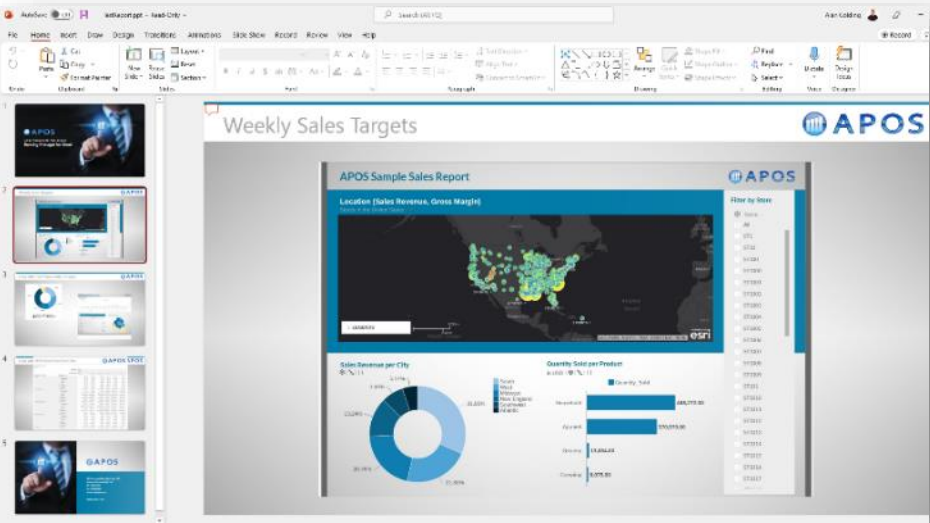
Excel with Raw Data

APOS Sample Sales Report							
Total Sales by Region							
Region	Date	Apparel	Grocery	Household	Camping	Total Sales	Sales Above \$2,500
South	21/04/2021	\$1,006.56	\$1,135.76	\$1,280.84	\$2,137.19	\$6,400.47	Above
Northwest	21/04/2022	\$11,491	\$415.58	\$21.76	\$251.31	\$12,188.71	Above
Southwest	21/04/2023	\$752.72	\$652.81	\$472.47	\$1,193.58	\$3,071.58	Above
Central	21/04/2024	\$790.47	\$707.87	\$284.29	\$607.28	\$2,389.91	Above
West	21/04/2025	\$201.86	\$382.30	\$182.37	\$891.42	\$1,657.95	Above
South	21/04/2026	\$1,505.16	\$2,111.36	\$1,133.99	\$2,989.55	\$8,740.16	Above
Northwest	21/04/2027	\$106.84	\$288.65	\$180.99	\$442.50	\$1,019.98	Above
Southwest	21/04/2028	\$89,132.00	\$72,370.00	\$62,734.00	\$22,853.00	\$247,089.00	Above
Central	21/04/2029	\$72.00	\$85.00	\$75.00	\$185.00	\$442.00	Above
West	21/04/2030	\$40,501.00	\$28,886.00	\$22,408.00	\$14,085.00	\$105,880.00	Above
South	21/04/2031	\$46,479.00	\$15,108.00	\$61,293.00	\$6,576.00	\$129,456.00	Above
Northwest	21/04/2032	\$195.00	\$396.00	\$194.00	\$114.00	\$795.00	Above
Southwest	21/04/2033	\$95,848.00	\$166,109.00	\$10,372.00	\$20,421.00	\$272,750.00	Above
Central	21/04/2034	\$148.00	\$224.00	\$118.00	\$421.00	\$911.00	Above
West	21/04/2035	\$288,519.84	\$239,577.32	\$204,462.51	\$78,793.34	\$807,352.01	Above
South	21/04/2036	\$712.52	\$291.50	\$216.55	\$481.51	\$1,702.08	Above
Northwest	21/04/2037	\$11,126.34	\$96,764.82	\$18,461.09	\$41,241.82	\$167,594.07	Above
Southwest	21/04/2038	\$12,116.98	\$42,021.00	\$12,756.83	\$25,599.95	\$92,504.76	Above
Central	21/04/2039	\$117.13	\$500.00	\$208.38	\$2,392.31	\$4,017.82	Above
West	21/04/2040	\$324,031.57	\$347,793.38	\$109,035.89	\$66,683.67	\$847,544.51	Above
Northwest	21/04/2041	\$455.26	\$222.48	\$480.03	\$1,196.14	\$1,353.91	Above
Southwest	21/04/2042	\$109.05	\$181.80	\$75.94	\$131.47	\$497.26	Above
Central	21/04/2043	\$5.69	\$8.33	\$5.91	\$16.19	\$36.12	Above
West	21/04/2044	\$46.17	\$41.69	\$27.51	\$74.21	\$189.58	Above

PDF



PowerPoint Presentation



Destinations



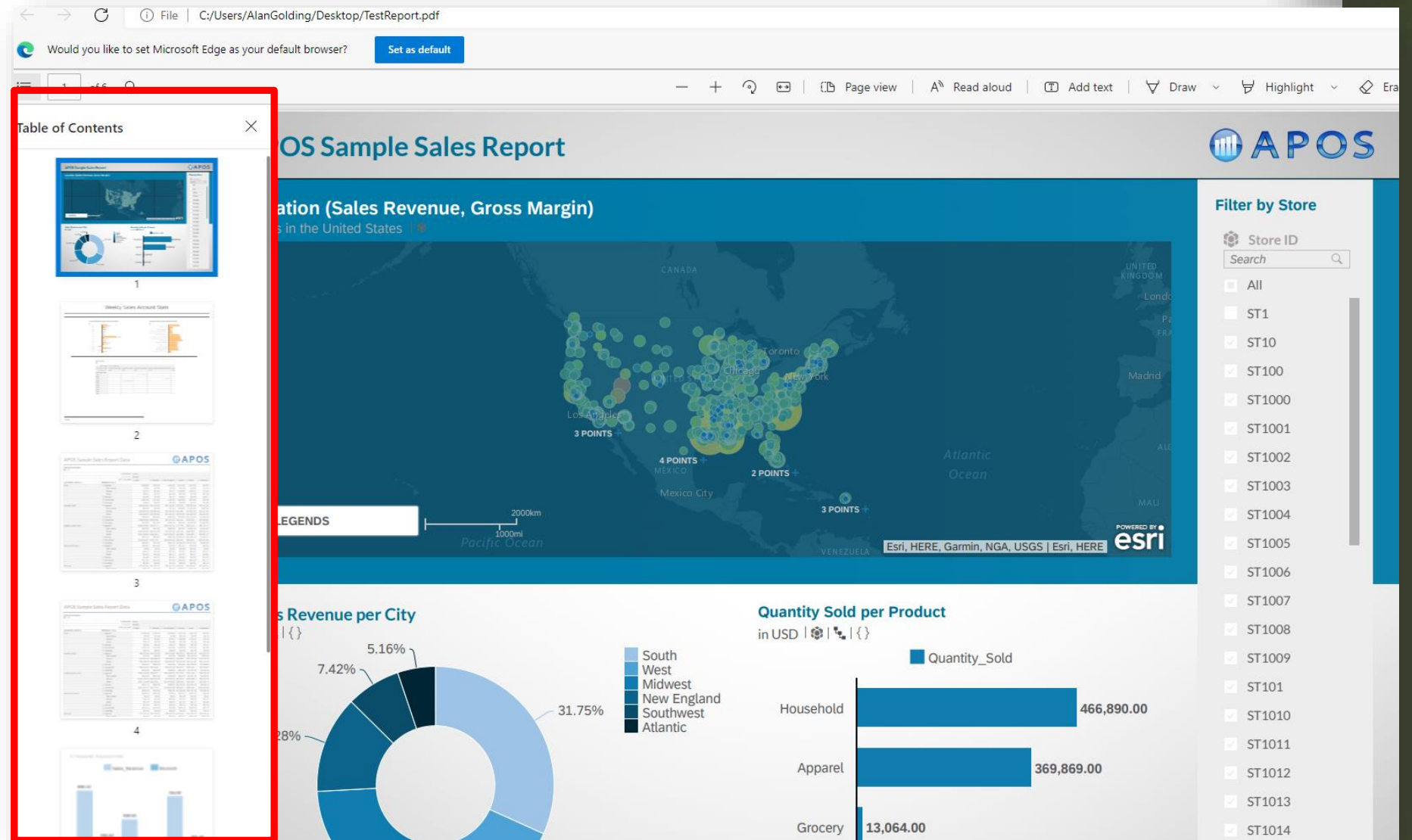
- Destinations available:
 - Email
 - Network File Share
 - FTP / FTPS / SFTP



Report Consolidation



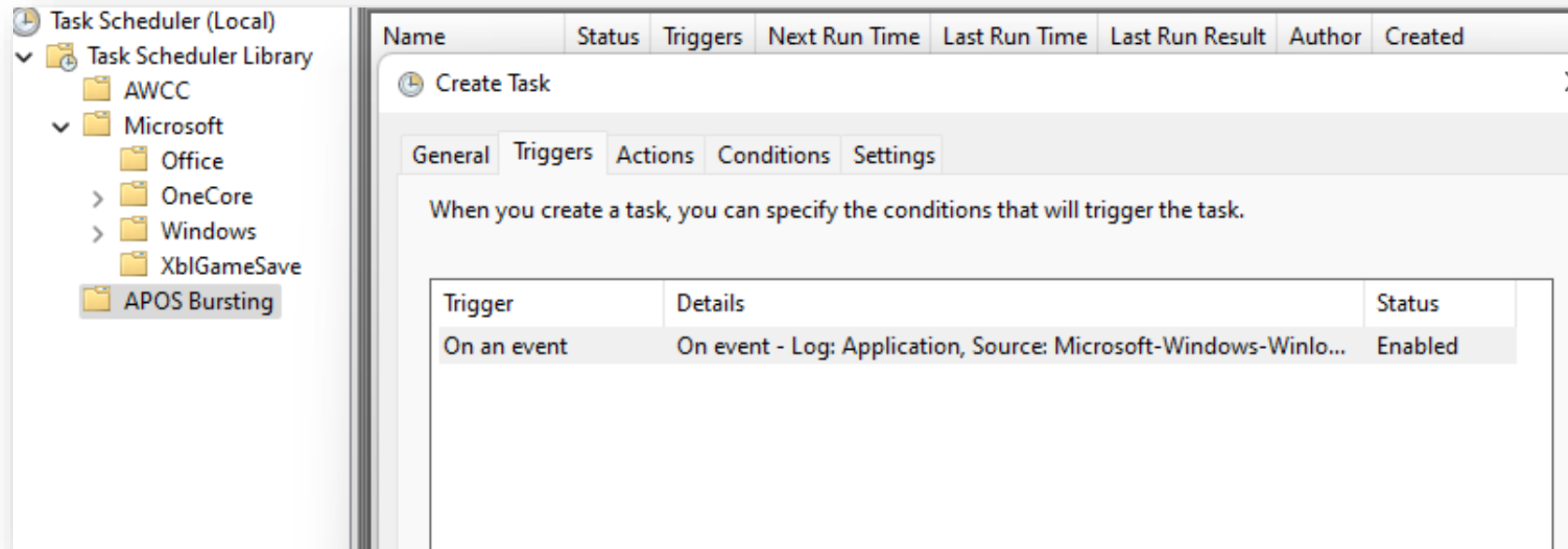
- Consolidate multiple stories/pages to single email/document
- Minimize the amount of emails a given user receives
- Summarize all reports into one email/document



Scheduling & Provisional Bursting



- Utilize Task Scheduler to create provisional bursting:
 - Event-based bursting
 - Unique time-based bursting





Publisher for Cloud Demonstration

Note: to see the demo, please view the webinar on demand at:

<https://www.apos.com/content/webinar-apos-p4c-sac-broadcasting-on-demand>

Customer Success

Hunt LNG - South American liquefied natural gas production and supply company uses Publisher for Cloud to generate individualized SAC reports focused on production and contractor reporting, which are then distributed to key managers by email.

- Weekly KPI reports to managers which flags **key pipeline information** that requires their attention.
- Weekly reports to supervisors identify **workplace safety incidents** requiring corrective action.
- Weekly reports to managers providing vacation time and requests to support proper management of **requests and adequate staffing coverage**.


CUSTOMER SUCCESS STORY


**FOCUS CUSTOMER -
HUNT OIL COMPANY – PERU LNG**

Hunt Oil Company is a privately held exploration and production company that has successfully conducted petroleum operations for more than 80 years. Today, it is one of the world's leading independent energy companies, with operations in North America, South America, Europe and the Middle East. The company has drilled wells on every continent except Antarctica. The Peru LNG operation consists of a gas liquefaction plant, the first in South America, which processes 4.45 million tons of natural gas per year, a 408-kilometer pipeline across the Andes, and a marine terminal on the Pacific coast of Peru.

CHALLENGE

Hunt uses SAP Analytics Cloud to dashboard their KPIs and analyze operational, resource, and quality data. Real-time reporting is essential to ensure efficient and safe production and transportation of the liquefied natural gas (LNG) product. They needed a publishing solution to push management information out on a scheduled basis to both SAC and non-SAC users, in the office and in the field, as well as to provide automation to ensure that immediate attention is given to critical operational data and events.

To meet these needs, a member of their SAP account team pointed them to APOS.

**QA, Health & Safety, Environmental Reporting**

Hunt sends weekly reports to managers and supervisors identifying reported incidents which require corrective actions to ensure the safety of its employees.

**Pipeline Reporting**

Hunt sends a weekly KPI report to managers and supervisors with flags on information which requires their attention. Each report is between 3 and 4 pages and is delivered in PDF format.

**HR Reporting**

Hunt sends weekly reports to managers and supervisors for vacation time management of their specific team. These reports help managers/supervisors



Publisher for Cloud — Recent Features



Shared vs Private Deployment

Simplified Configuration

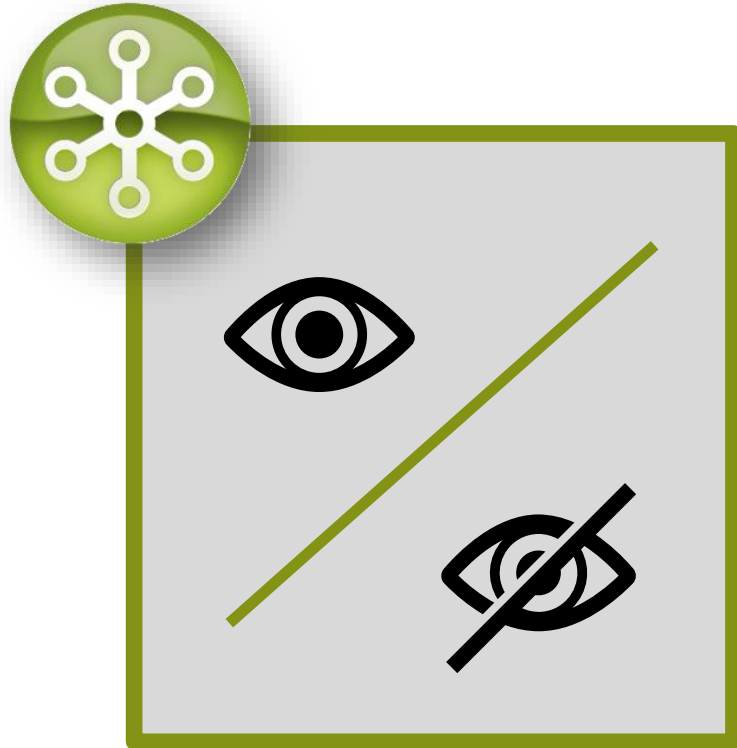
Widget Level Bursting

Optimized Presentation Support

High Volume Exporting

Grid/table Excel Consolidation

APOS Publisher for Cloud – Solution Update



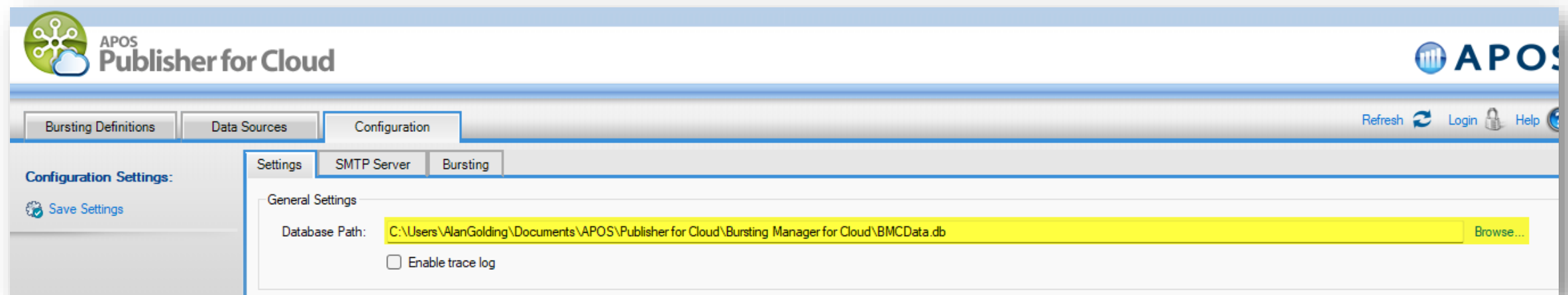
New Functionality:

Shared vs Private Deployment

- Configuration setting to define whether system elements are visible only to one user, or if those elements are shared across all users of that system
- Key Settings:
 - Bursting definitions
 - Data sources
 - SMTP settings
 - Logging
- Enables controls to protect and govern deployment settings between business users, business units, etc.

APOS Publisher for Cloud – Solution Update

New Functionality: Shared vs Private Deployment



- Make your bursting definitions and data sources completely private to you
- Or collaborate and share the configurations with other users

APOS Publisher for Cloud – Solution Update



New Functionality:

Simplified Configuration



- Simpler broadcast configuration interface with pre-populated drop down settings
- Visual interface to preview impact of your settings and changes
- More intuitive process to lower technical skill requirements

APOS Publisher for Cloud – Solution Update

New Functionality: Simplified Configuration



- Less manual settings needed to be provided
- More automated and prefilled configurations with dropdowns

The screenshot shows the 'Add Filter' dialog box with the following fields and values:

- Document: APOS Demo Report
- Models: CompanyBlank
- Model ID: t.V:CompanyBlank
- Dimensions: (dropdown menu open)
- Dimension ID: (empty)
- Values: (empty)

The dropdown menu for Dimensions shows the following list of dimension IDs:

- VERSION_0_V
- ACCOUNT_AUTO_0
- Version_0
- Store_ID_0
- Product_ID_0
- Order_ID_1059
- City_ID_9902 (selected)
- Dynamic_Text
- Date_0
- Comment
- Color
- \$\$Currency\$\$
- \$\$Version\$\$
- Color.Description
- Color.ID
- Comment.Description
- Comment.ID
- CustomDimension1
- Dynamic_Text.Description
- Dynamic_Text.Formula
- Dynamic_Text.ID
- Dynamic_Text.currency

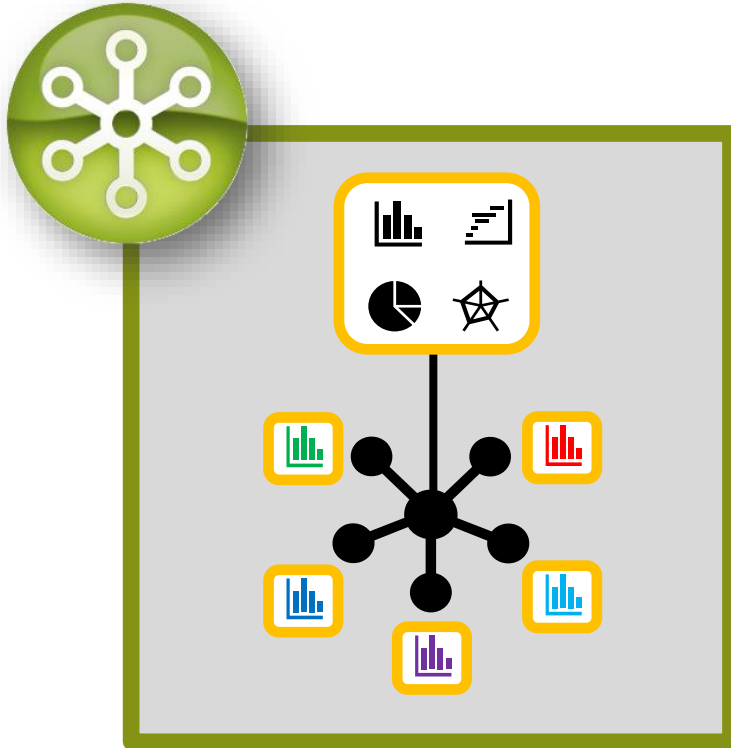
Buttons: Add, Cancel

APOS Publisher for Cloud – Solution Update



New Functionality:

Widget Level Bursting



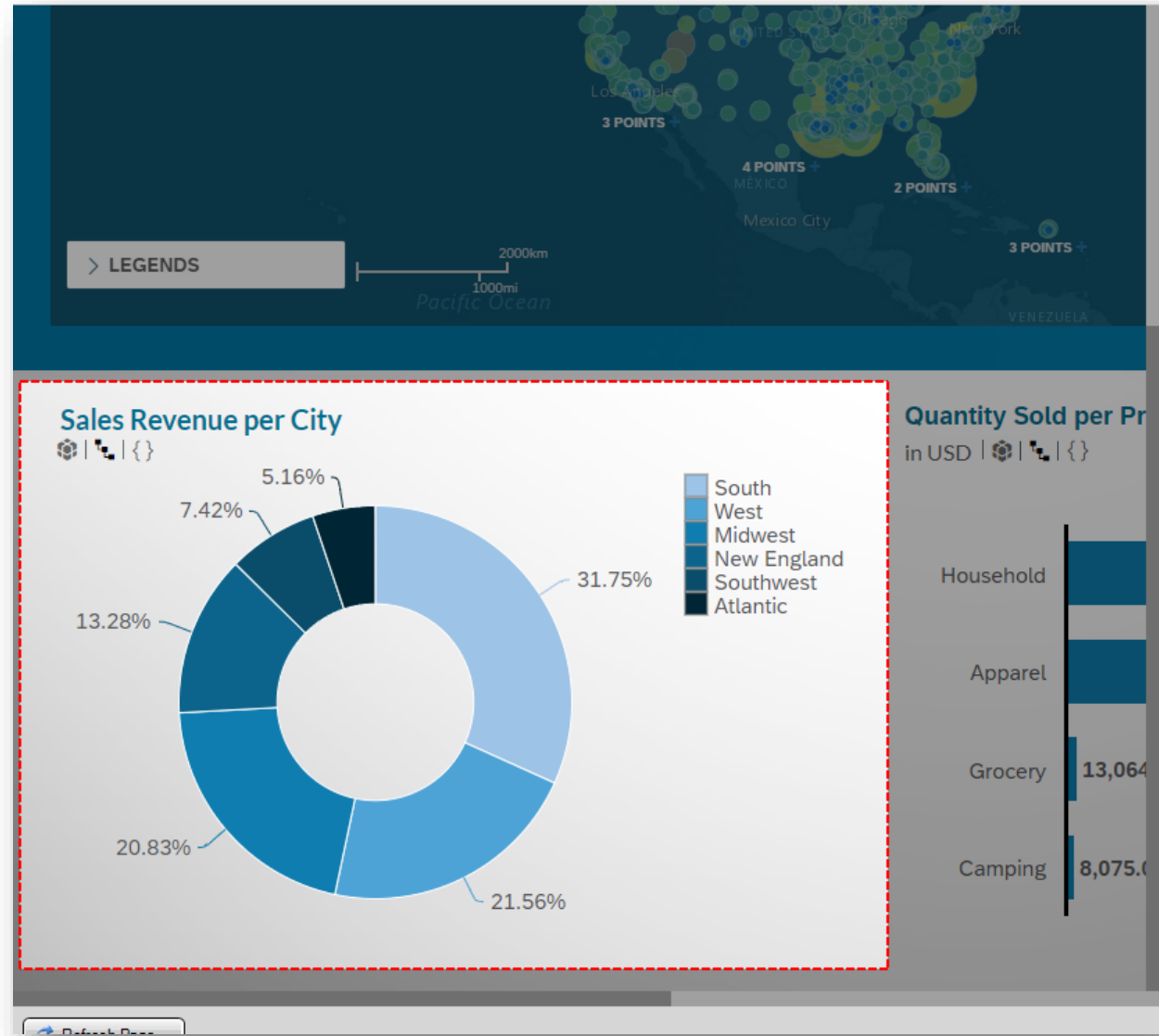
- Selective burst of only components of a report
 - Define which widget from which report page
 - Only that widget gets sent to recipients
-
- Allows for focus of most critical information
 - More tailored distribution of targeted information being sent to the relevant users
 - Simplified user consumption of information

APOS Publisher for Cloud – Solution Update

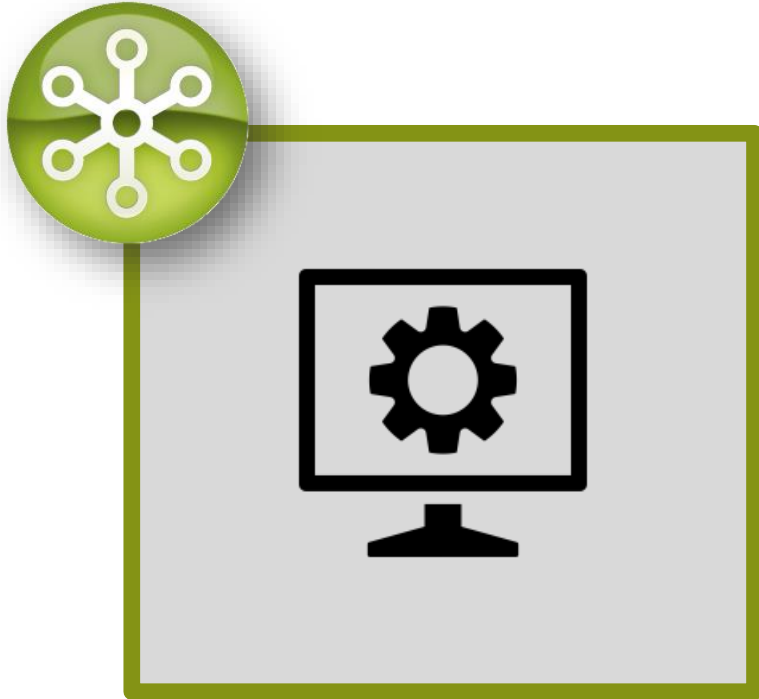
New Functionality: Widget Level Bursting



- Target specific widgets/charts on an SAC page
- Tailor exactly what the recipients receive



APOS Publisher for Cloud – Solution Update



New Functionality:

Optimized Design Experience Support

- Support of new Optimized Design Experience Mode which is available in SAP Analytics Cloud
- The ODE feature of SAC functions to enhance report performance by controlling background functionality, page loading, etc.


APOS Publisher for Cloud – Solution Update

New Functionality: Optimized Design Experience Support



- Optimized Design Experience mode now supported for your bursting needs

Select Design Mode Type



What design mode would you like to use?

☐ Classic Design Experience

The Classic Design mode provides all the existing features and functionality you may have already used in SAP Analytics Cloud.

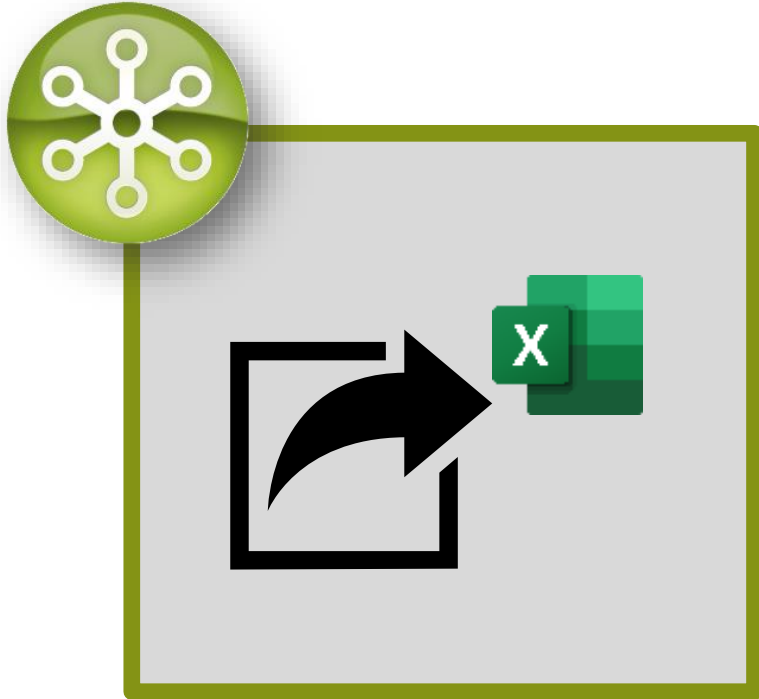
☒ **Optimized Design Experience**

The Optimized Design mode provides an improved experience when designing dashboards. This mode has some useful new features, but it does not include all the features that are currently supported in the Classic Design mode.

[Learn More](#)

Create Cancel

APOS Publisher for Cloud – Solution Update



New Functionality: High Volume Export

- Support for export of large data sets to Excel/CSV
- When working with tables/grids in SAC that contain large volumes of data, APOS Publisher for Cloud allows you to export that raw data in high volume and excellent performance

APOS Publisher for Cloud – Solution Update

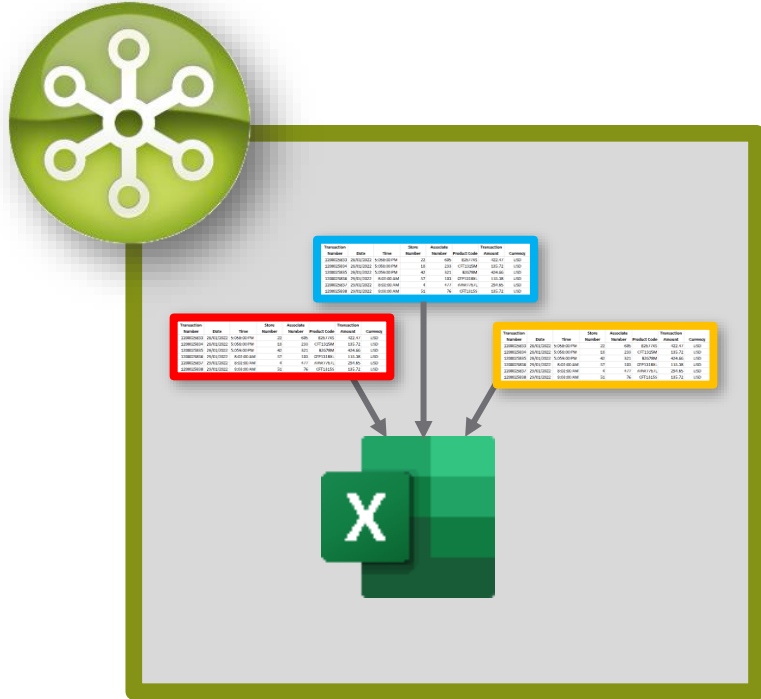


New Functionality: High Volume Export

- High volume data export
- High performance when exporting

	A	B	C	D	E	F	G	H	I	J	K
101664	entral	21/04/6253	\$14,880,065.02	\$14,647,302.53	\$8,941,155.46	\$3,156,725.90	\$41,625,248.91	Above			
101665	Vest	21/04/6254	\$14,883,578.97	\$14,650,762.32	\$8,943,266.47	\$3,157,470.94	\$41,635,078.71	Above			
101666	outh	21/04/6255	\$14,887,092.92	\$14,654,222.12	\$8,945,377.48	\$3,158,215.99	\$41,644,908.51	Above			
101667	ortheast	21/04/6256	\$14,890,606.87	\$14,657,681.92	\$8,947,488.49	\$3,158,961.03	\$41,654,738.32	Above			
101668	outh	21/04/2021	\$1,686.68	\$1,535.76	\$1,260.84	\$2,137.19	\$6,620.47	Above			
101669	ortheast	21/04/2022	\$97.49	\$115.58	\$93.78	\$251.33	\$558.18	Below			
101670	outhwest	21/04/2023	\$792.72	\$652.81	\$472.47	\$1,198.58	\$3,116.58	Above			
101671	entral	21/04/2024	\$796.47	\$767.37	\$694.59	\$687.28	\$2,945.71	Above			
101672	Vest	21/04/2025	\$203.86	\$262.30	\$182.37	\$899.42	\$1,547.95	Below			
101673	outh	21/04/2026	\$1,920.16	\$2,311.95	\$1,133.99	\$2,969.55	\$8,335.65	Above			
101674	ortheast	21/04/2027	\$196.64	\$286.65	\$180.99	\$542.50	\$1,206.78	Below			
101675	outhwest	21/04/2028	\$89,132.00	\$72,370.00	\$62,734.00	\$22,853.00	\$247,089.00	Above			
101676	entral	21/04/2029	\$72.00	\$98.00	\$73.00	\$198.00	\$441.00	Below			
101677	Vest	21/04/2030	\$40,561.00	\$28,886.00	\$22,408.00	\$14,085.00	\$105,940.00	Above			
101678	outh	21/04/2031	\$48,499.00	\$43,386.00	\$40,253.00	\$8,570.00	\$140,708.00	Above			
101679	ortheast	21/04/2032	\$159.00	\$204.00	\$154.00	\$718.00	\$1,235.00	Below			
101680	outhwest	21/04/2033	\$99,848.00	\$106,109.00	\$50,371.00	\$20,421.00	\$276,749.00	Above			
101681	entral	21/04/2034	\$143.00	\$224.00	\$138.00	\$421.00	\$926.00	Below			
101682	Vest	21/04/2035	\$288,619.84	\$239,577.32	\$204,462.51	\$73,793.34	\$806,453.01	Above			
101683	outh	21/04/2036	\$232.52	\$291.50	\$236.59	\$649.57	\$1,410.18	Below			
101684	ortheast	21/04/2037	\$131,256.34	\$96,764.82	\$74,467.09	\$47,543.82	\$350,032.07	Above			
101685	outhwest	21/04/2038	\$157,130.98	\$142,521.00	\$129,758.83	\$25,599.95	\$455,010.76	Above			
101686	entral	21/04/2039	\$517.13	\$650.65	\$509.39	\$2,392.31	\$4,069.48	Above			
101687	Vest	21/04/2040	\$324,031.57	\$347,703.38	\$169,035.89	\$66,683.67	\$907,454.51	Above			
101688	ortheast	21/04/2041	\$455.28	\$722.48	\$462.93	\$1,398.18	\$3,038.87	Above			
101689	outhwest	21/04/2042	\$105.01	\$101.80	\$79.94	\$137.47	\$424.22	Below			
101690	entral	21/04/2043	\$5.69	\$8.33	\$5.91	\$16.19	\$36.12	Below			
101691	Vest	21/04/2044	\$46.17	\$41.63	\$27.81	\$74.21	\$189.82	Below			
101692	outh	21/04/2045	\$93,362.23	\$88,480.47	\$58,020.84	\$21,573.10	\$261,436.64	Above			
101693	ortheast	21/04/2046	\$96,876.19	\$91,940.26	\$60,131.85	\$22,318.14	\$271,266.44	Above			
101694	outhwest	21/04/2047	\$100,390.14	\$95,400.06	\$62,242.87	\$23,063.19	\$281,096.25	Above			
101695	entral	21/04/2048	\$103,904.09	\$98,859.85	\$64,353.88	\$23,808.23	\$290,926.05	Above			
101696	Vest	21/04/2049	\$107,418.04	\$102,319.65	\$66,464.89	\$24,553.28	\$300,755.85	Above			
101697	outh	21/04/2050	\$110,931.99	\$105,779.45	\$68,575.90	\$25,298.33	\$310,585.66	Above			
101698	ortheast	21/04/2051	\$114,445.94	\$109,239.24	\$70,686.91	\$26,043.37	\$320,415.46	Above			
101699	outhwest	21/04/2052	\$117,959.89	\$112,699.04	\$72,797.92	\$26,788.42	\$330,245.26	Above			
101700	entral	21/04/2053	\$121,473.84	\$116,158.83	\$74,908.93	\$27,533.46	\$340,075.07	Above			

APOS Publisher for Cloud – Solution Update



New Functionality: Grid/Table Excel Consolidation

- Users can consolidate multiple SAC tables/grids into a single worksheet
- Avoids multiple Excel files needing to be generated

APOS Live Data Gateway – Solution Update

New Functionality: Grid/Table Excel Consolidation

- Consolidate multiple tables/grids into a single Excel worksheet



APOS Sample Sales Report										APOS									
Total Sales by Region										Date									
Region	Date	Apparel	Grocery	Household	Comping	Total Sales incl. Taxes \$2,598													
South	2/10/2021	\$1,596.68	\$1,535.76	\$1,260.04	\$2,127.19	\$6,528.47													
Northwest	2/10/2022	\$97.49	\$115.58	\$93.78	\$251.33	\$558.18													
Southwest	2/10/2023	\$792.72	\$152.01	\$472.47	\$1,199.59	\$3,116.59													
Central	2/10/2024	\$796.47	\$767.37	\$644.59	\$672.29	\$2,945.71													
West	2/10/2025	\$203.36	\$242.30	\$162.37	\$99.42	\$1,547.95													
South	2/10/2026	\$1,920.36	\$2,311.95	\$1,123.99	\$2,969.55	\$8,335.65													
Northwest	2/10/2027	\$196.44	\$246.65	\$180.99	\$542.50	\$1,266.78													
Southwest	2/10/2028	\$19,132.00	\$72,370.00	\$62,370.00	\$22,852.00	\$247,699.00													
Central	2/10/2029	\$72.00	\$99.00	\$73.00	\$199.00	\$441.00													
West	2/10/2030	\$40,561.00	\$22,636.00	\$22,400.00	\$14,050.00	\$105,240.00													
South	2/10/2031	\$40,499.00	\$40,336.00	\$40,250.00	\$1,570.00	\$169,769.00													
Northwest	2/10/2032	\$159.00	\$204.00	\$154.00	\$710.00	\$1,235.00													
Southwest	2/10/2033	\$99,940.00	\$106,109.00	\$50,371.00	\$20,421.00	\$276,749.00													
Central	2/10/2034	\$143.00	\$224.00	\$130.00	\$421.00	\$926.00													
West	2/10/2035	\$288,619.04	\$239,577.32	\$204,462.51	\$73,793.34	\$1,006,453.01													
South	2/10/2036	\$232.52	\$291.50	\$236.59	\$499.57	\$1,410.18													
Northwest	2/10/2037	\$151,256.34	\$96,764.82	\$74,467.09	\$47,543.42	\$359,832.07													
Southwest	2/10/2038	\$157,130.48	\$142,521.00	\$129,758.03	\$25,599.95	\$455,010.76													
Central	2/10/2039	\$517.43	\$650.65	\$509.39	\$2,392.31	\$4,469.49													
West	2/10/2040	\$324,031.57	\$347,702.38	\$196,035.69	\$64,633.47	\$1,907,454.51													
Northwest	2/10/2041	\$495.21	\$722.40	\$462.93	\$1,398.10	\$3,478.97													
Southwest	2/10/2042	\$105.01	\$191.00	\$79.94	\$137.47	\$424.22													
Central	2/10/2043	\$5.69	\$1.33	\$5.91	\$6.19	\$18.12													
West	2/10/2044	\$46.17	\$41.63	\$27.81	\$74.21	\$189.82													
South	2/10/2045	\$93,242.23	\$93,409.47	\$58,820.04	\$21,573.10	\$261,435.64													
Northwest	2/10/2046	\$96,376.19	\$91,940.26	\$60,331.85	\$22,310.14	\$271,268.44													
Central	2/10/2047	\$100,290.14	\$95,400.06	\$62,242.07	\$23,663.19	\$281,696.25													
West	2/10/2048	\$103,904.09	\$99,859.15	\$64,353.08	\$23,008.23	\$290,926.05													
South	2/10/2049	\$107,418.04	\$102,319.65	\$66,464.19	\$24,552.20	\$299,755.05													
Southwest	2/10/2050	\$110,921.99	\$109,779.45	\$69,875.90	\$25,291.33	\$319,595.64													
Northwest	2/10/2051	\$116,645.94	\$109,239.24	\$76,616.91	\$26,043.37	\$328,495.46													
Southwest	2/10/2052	\$117,959.39	\$112,499.04	\$72,797.92	\$26,798.42	\$329,245.26													
Central	2/10/2053	\$121,473.34	\$116,150.83	\$74,968.93	\$27,533.46	\$339,475.67													
West	2/10/2054	\$124,987.79	\$119,610.63	\$77,019.94	\$28,278.51	\$349,994.87													
South	2/10/2055	\$128,501.74	\$123,078.43	\$79,120.95	\$29,023.55	\$359,734.67													
Northwest	2/10/2056	\$132,015.69	\$126,531.22	\$81,241.97	\$29,764.49	\$369,564.49													
Southwest	2/10/2057	\$135,829.44	\$129,999.02	\$83,252.99	\$30,513.65	\$379,394.28													

Injury Location	Gender	Age Group	Incident Type	Days Lost	Plast	Repo	Shift	Depa	Incide	Cost	W&D	Year
1-Jun-20 Multiple	Male	25-34	Burn	0	Iowa	Near MI Afterno	Painting	\$0	Ved	1	202	
3-Jun-20 N/A	Male	35-43	Vehicle	0.5	Alabama	Lost Tin Day	Fabricat	\$3,367	Fri	1	202	
4-Jun-20 N/A	Male	18-24	Cut	0	Georgia	Near MI Day	Adminis	\$0	Fri	1	202	
4-Jun-20 Legs	Female	50+	Falling c	0	Iowa	Near MI Day	Painting	\$0	Sat	1	202	
7-Jun-20 Legs	Male	25-34	Lifting	0	Ohio	Near MI Day	Painting	\$0	Tue	1	202	
11-Jun-20 N/A	Female	50+	Crush &	0	Georgia	First Air Afterno	Security	\$132	Sat	1	202	
11-Jun-20 Neck	Male	25-34	Crush &	3.5	Iowa	Lost Tin Day	Purchas	\$4,872	Sat	1	202	
12-Jun-20 Feet	Male	35-43	Burn	1.5	California	Lost Tin Night	Adminis	\$1,248	Sun	1	202	
15-Jun-20 N/A	Male	18-24	Fall	0	Florida	First Air Afterno	Mainten	\$23	Ved	1	202	
16-Jun-20 Arms	Male	50+	Crush &	4.5	Florida	Lost Tin Afterno	Adminis	\$2,525	Thu	1	202	
18-Jun-20 N/A	Female	35-43	Falling c	0	Iowa	First Air Night	Shippin	\$59	Sat	1	202	
23-Jun-20 Neck	Male	35-43	Crush &	0	Alabama	Medical Afterno	Shippin	\$1,547	Thu	1	202	
26-Jun-20 Eye	Male	35-43	Vehicle	0	Florida	Medical Day	Finishin	\$2,268	Sun	1	202	
27-Jun-20 Eye	Male	50+	Burn	0	Texas	Medical Day	Mainten	\$628	Mon	1	202	
27-Jun-20 Eye	Male	35-43	Burn	0	Georgia	First Air Night	Finishin	\$77	Mon	1	202	
27-Jun-20 Back	Male	50+	Cut	0	Ohio	First Air Day	Shippin	\$341	Mon	1	202	
30-Jun-20 Arms	Male	18-24	Burn	0	Montana	Near MI Afterno	Mainten	\$0	Thu	1	202	
1-Jun-20 Hands	Male	35-43	Fall	0	California	Medical Day	Melting	\$2,007	Thu	1	202	
3-Feb-20 Multiple	Male	50+	Crush &	0	Illinois	First Air Night	Painting	\$308	Sat	2	202	
3-Feb-20 Arms	Male	35-43	Fall	4	Ohio	Lost Tin Night	Mainten	\$1,196	Mon	2	202	
4-Feb-20 Head	Male	18-24	Lifting	0	Montana	Near MI Night	Shippin	\$0	Tue	2	202	
9-Feb-20 Feet	Male	35-43	Crush &	0	Montana	First Air Afterno	Melting	\$180	Sun	2	202	
9-Feb-20 Hand	Male	25-34	Equipm	4.5	Florida	Lost Tin Afterno	Shippin	\$3,764	Sun	2	202	
9-Feb-20 Feet	Male	35-43	Burn	15	Texas	Lost Tin Day	Melting	\$4,414	Mon	2	202	
9-Feb-20 Head	Male	35-43	Slip/trip	2.5	Ohio	Lost Tin Afterno	Security	\$2,190	Mon	2	202	
11-Feb-20 N/A	Male	25-34	Slip/trip	0	Illinois	First Air Afterno	Adminis	\$594	Tue	2	202	
2-Feb-20 Hands	Male	50+	Fall	4	Montana	Lost Tin Afterno	Finishin	\$4,143	Ved	2	202	
3-Feb-20 N/A	Male	50+	Burn	4.5	Illinois	Lost Tin Night	Finishin	\$3,417	Thu	2	202	
3-Feb-20 Legs	Male	25-34	Crush &	0	Alabama	Medical Night	Painting	\$2,337	Thu	2	202	
4-Feb-20 Abdomen	Male	25-34	Equipm	0	Georgia	Near MI Night	Shippin	\$0	Fri	2	202	
16-Feb-20 Abdomen	Male	35-43	Slip/trip	0	California	First Air Day	Fabricat	\$207	Sun	2	202	
17-Feb-20 Multiple	Female	35-43	Fall	2	Ohio	Lost Tin Night	Mainten	\$2,544	Mon	2	202	
1-Jun-20 Multiple	Male	25-35	Burn	2	1745	Iowa	Near MI Day	\$2,112	Wed	2	202	
3-Jun-20 N/A	Male	35-50	Vehicle	1.788	Alabama	Lost Tin Day	Fabricat	\$2,153	Fri	2,246	202	
3-Jun-20 Eye	Male	18-25	Cut	1.831	Georgia	Near MI Day	Adminis	\$2,194	Fri	2,232	202	
4-Jun-20 Legs	Female	50+	Falling c	1.875	Iowa	Near MI Day	Painting	\$2,236	Sat	2,338	202	
7-Jun-20 Legs	Male	25-35	Lifting	1.318	Ohio	Near MI Day	Painting	\$2,277	Tue	2,384	202	
11-Jun-20 N/A	Female	50+	Crush &	1.364	Georgia	First Air Afterno	Security	\$2,318	Sat	2,431	202	
11-Jun-20 Neck	Male	25-35	Crush &	2.004	Iowa	Lost Tin Day	Purchas	\$2,353	Sat	2,477	202	

Segment	Country	Product	Discom	Unit	Sal	Manufa	Sale	Price	Discom	Sale	COGS	Profit	Date	Month	Year
Government	Canada	Carrots	Nano	1618.5	\$ 3.00	\$20.00	####	\$ -	####	####	####	####	####	1	January 2014
Government	Germany	Carrots	Nano	1221	\$ 3.00	\$20.00	####	\$ -	####	####	####	####	####	1	January 2014
Midmark	Germany	Carrots	Nano	2171	\$ 3.00	\$15.00	####	\$ -	####	####	####	####	####	6	June 2014
Midmark	Mexico	Carrots	Nano	659	\$ 3.00	\$15.00	####	\$ -	####	####	####	####	####	6	June 2014
Midmark	Mexico	Carrots	Nano	2470	\$ 3.00	\$15.00	####	\$ -	####	####	####	####	####	6	June 2014
Midmark	Canada	Carrots	Nano	1913	\$ 3.00	####	####	\$ -	####	####	####	####	####	12	December 2014
Midmark	Germany	Mantana	Nano	921	\$ 5.00	\$15.00	####	\$ -	####	####	####	####	####	3	March 2014
Midmark	Canada	Mantana	Nano	2510	\$ 5.00	\$12.00	####	\$ -	####	####	####	####	####	6	June 2014
Government	France	Mantana	Nano	1099	\$ 5.00	\$20.00	####	\$ -	####	####	####	####	####	6	June 2014
Midmark	Canada	Mantana	Nano	1545	\$ 5.00	\$12.00	####	\$ -	####	####	####	####	####	6	June 2014
Midmark	Mexico	Mantana	Nano	2470	\$ 5.00	\$15.00	####	\$ -	####	####	####	####	####	6	June 2014
Enterprise	Canada	Mantana	Nano	2445.5	\$ 5.00	####	####	\$ -	####	####	####	####	####	7	July 2014
Small Bu	Mexico	Mantana	Nano	950	\$ 5.00	####	####	\$ -	####	####	####	####	####	8	August 2014
Small Bu	Germany	Mantana	Nano	2146	\$ 5.00	\$ 7.00	####	\$ -	####	####	####	####	####	8	September 2014
Enterprise	Canada	Mantana	Nano	345	\$ 5.00	####	####	\$ -	####	####	####	####	####	10	October 2014
Midmark	United St	Mantana	Nano	615	\$ 5.00	\$15.00	####	\$ -	####	####	####	####	####	12	December 2014
Midmark	Canada	Panza	Nano	292	\$10.00	\$20.00	####	\$ -	####	####	####	####	####	2	February 2014
Midmark	Mexico	Panza	Nano	974	\$10.00	\$15.00	####	\$ -	####	####	####	####	####	2	February 2014
Midmark	Canada	Panza	Nano	2510	\$10.00	\$12.00	####	\$ -	####	####	####	####	####	6	June 2014
Government	Germany	Panza	Nano	1006	\$10.00	####	####	\$ -	####	####	####	####	####	6	June 2014
Government	Germany	Panza	Nano	367	\$10.00	\$12.00	####	\$ -	####	####	####	####	####	7	July 2014
Government	Canada	Panza	Nano	932	\$10.00	\$ 7.00	####	\$ -	####	####	####	####	####	8	August 2014
Midmark	France	Panza	Nano	549	\$10.00	\$15.00	####	\$ -	####	####	####	####	####	9	September 2013
Small Bu	Mexico	Panza	Nano	710	\$10.00	####	####	\$ -	####	####	####	####	####	9	September 2014
Midmark	Mexico	Panza	Nano	2472	\$10.00	\$15.00	####	\$ -	####	####	####	####	####	9	September 2014
Government	United St	Panza	Nano	1143	\$10.00	\$ 7.00	####	\$ -	####	####	####	####	####	10	October 2014
Government	Canada	Panza	Nano	1725	\$10.00	####	####	\$ -	####	####	####	####	####	11	November 2014
Government	Canada	Panza	Nano	952	\$10.00	\$12.00	####	\$ -	####	####	####	####	####	11	November 2014
Midmark	Canada	Panza	Nano	2152	\$10.00	\$15.00	####	\$ -	####	####	####	####	####	12	December 2013
Government	Canada	Panza	Nano	1917	\$10.00	\$20.00	####	\$ -	####	####	####	####	####	12	December 2014
Government	Germany	Panza	Nano	1513	\$10.00	####	####	\$ -	####	####	####	####	####	12	December 2014
Government	Mexico	Panza	Nano	1493	\$####	\$ 7.00	####	\$ -	####	####	####	####	####	1	January 2014
Enterprise	France	Panza	Nano	1104	\$####	####	####	\$ -	####	####	####	####	####	2	February 2014
Government	Germany	Panza	Nano	2161	\$####	\$12.00	####	\$ -	####	####	####	####	####	3	March 2014
Government	Germany	Panza	Nano	1004	####	####	####	\$ -	####	####	####	####	####	6	June 2014
Government	Canada	Panza	Nano	1545	\$####	\$12.00	####	\$ -	####	####	####	####	####	6	June 2014
Enterprise	United St	Panza	Nano	2121	####	####	####	\$ -	####	####	####	####	####	8	August 2014
Enterprise	Canada	Panza	Nano	345	####	####	####	\$ -	####	####	####	####	####	10	October 2014
Small Bu	Canada	VIT	Nano	2091	####	####	####	\$ -	####	####	####	####	####	2	February 2014

Customer Success

Automotive Industry – European company involved in automotive import, distribution, leasing and fleet management services.

- **Automated, timely distribution** of **user specific** reports to key business stakeholders
- Monthly distribution of reports via email in PDF format to **internal users** and externally to their **partner network**
- Controlled report distribution only when **conditional criteria** is met
- Effective visibility, **process monitoring** and **controls** needed

 **PUBLISHER FOR CLOUD USE CASE**





CHALLENGE:

A major European company involved in automotive import, distribution, leasing and fleet management services needed timely distribution of SAP Analytics Cloud report content to key business stakeholders. Their information requirements included monthly distribution of reports to internal business users and externally to their partner network. The content of these reports must be filtered to ensure that recipients receive only data to which they are entitled, and that conditional business rules can govern aspects of how the distribution process is executed. Additionally, this organization needed strong visibility into the distribution process in order to monitor its success and to ensure delivery.

Requirements: Timely Report Distribution to Internal and External Recipients

**TIMELY SCHEDULING OF SAC REPORTS**

Automation needed to send SAP Analytics Cloud reports to internal and external recipients, both SAC & non-SAC users, to ensure that they had current information.

**PERSONALIZED, USER-SPECIFIC SAC REPORTS**

Emails and attached PDFs sent to internal and external recipients needed to be personalized with appropriate details for each recipient.

**CONDITIONAL REPORT DISTRIBUTION**

Emails to external recipients should only be sent if new information relevant to those recipients is available.

Solution:

Data-Driven Bursting with APOS Publisher for Cloud



Publisher for Cloud, Enterprise Edition — Coming Soon



Publisher for Cloud - Enterprise Edition

Expanding on the functionality of the current edition (“Professional Edition”), APOS will be releasing the Enterprise Edition of the Publisher for Cloud solution. The Enterprise Edition will incorporate important new features and concepts for expanded scope and broadened enterprise level deployment capabilities.

Upcoming Enterprise Edition Features

- Enhanced Security
- Shared & Private Folders
- Shared & Private Data Sources
- BW User-Based Broadcasting
- Recycle Bin

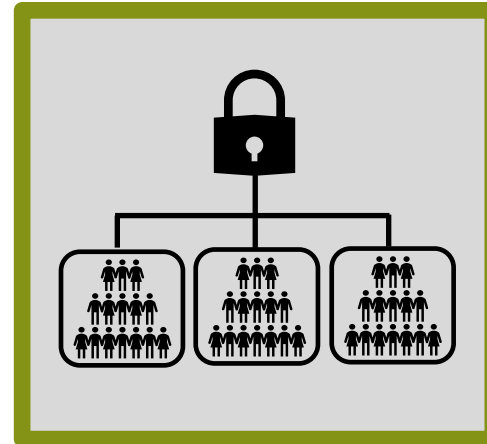
Publisher for Cloud – Enterprise Edition – Coming Soon



Enterprise Edition Functionality: **Enhanced Security – Users & Groups**

Users & Groups

- Individual user profiles
- Create defined groups to segregate users across business units and sub-units



Publisher for Cloud – Enterprise Edition – Coming Soon



Enterprise Edition Functionality: Enhanced Security – Users & Groups

User Management Actions:

Search Users

Clear Search

Refresh

Search Favorites:

Delete Edit Go

Search History:

Edit Go

Create User

Edit User

Join Group

Delete User

Enable User

Disable User

Assign Administrator

Revoke Administrator

All Users currently in the system as of: 2022-10-24 16:28:51

User Name	Groups
AlanG	5
Betty	5
David	2
Enda	2
Kevin	3
Monica	3
Patrick	3
Praveen	5
Richard	3
Sarah	3
Shane	2
Siobhan	3

APOS Publisher for Cloud - User Management

User Management

User Name: Betty

☐ User is an Administrator ☐ User account is disabled

Description:

Groups:

Group Name	Description
APOS_Sales	
EOY Financials	
Marketing	
North America	
UK/Ireland	

Add Remove Save Cancel

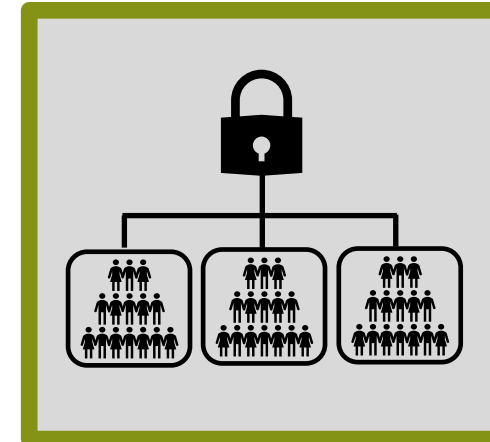
Publisher for Cloud – Enterprise Edition – Coming Soon



Enterprise Edition Functionality: **Enhanced Security – Access Rights**

Access Rights

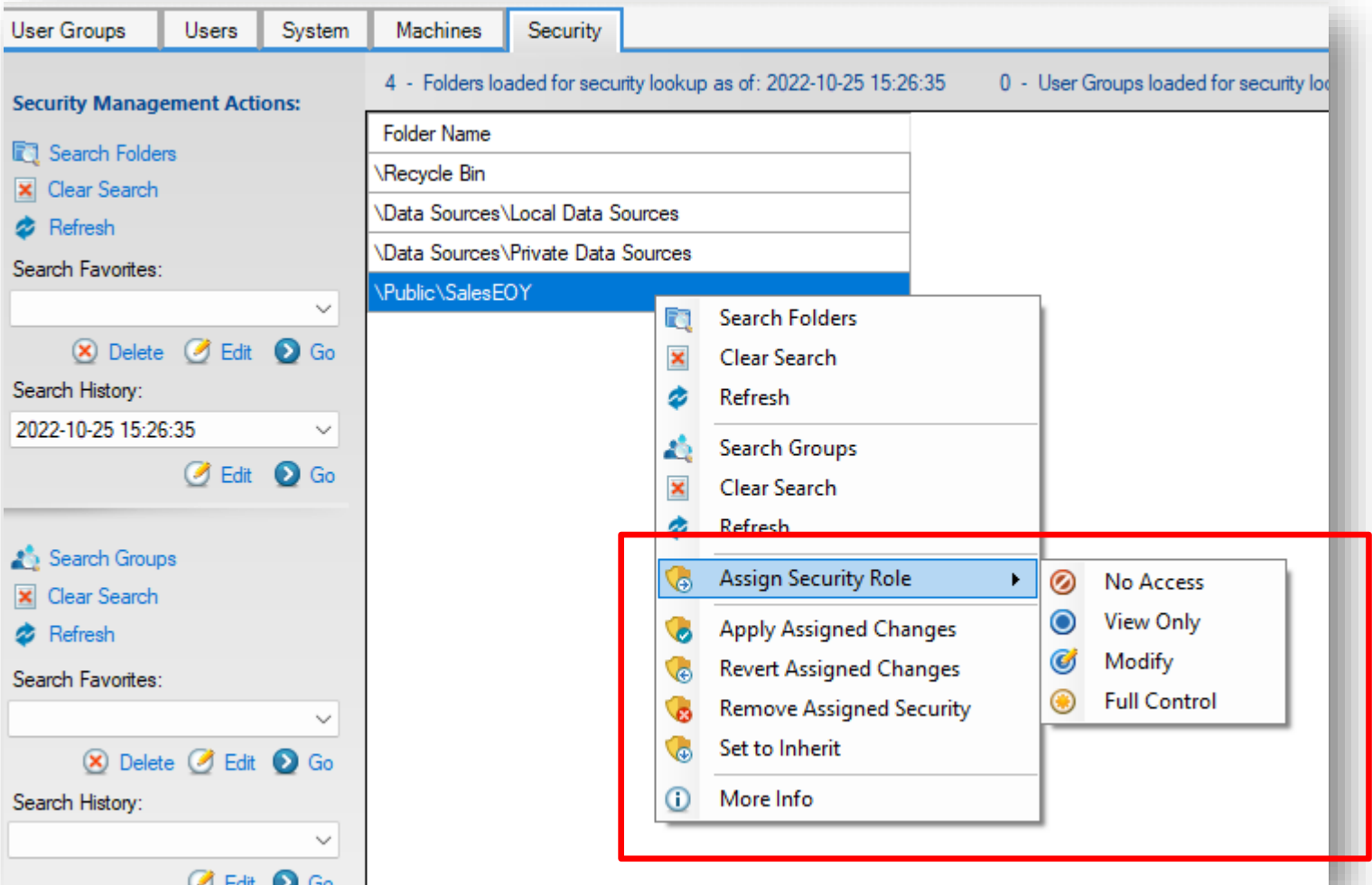
- Administrative controls to define:
 - What User Groups can access what folders
 - What rights those Users have
- Enables stronger controls for secure usage of the solution across multiple business units of an organization



Publisher for Cloud – Enterprise Edition – Coming Soon



Enterprise Edition Functionality: **Enhanced Security – Access Rights**



Publisher for Cloud – Enterprise Edition – Coming Soon



Enterprise Edition Functionality: **Shared & Private Folders**

Shared & Private Folders

- Create public folder where authorized user groups can collaborate to build bursting definitions and broadcasting content
- Private folders can be utilized by individuals to control access to bursting definitions and broadcasting content for only personal use



Publisher for Cloud – Enterprise Edition – Coming Soon



Enterprise Edition Functionality: Shared & Private Folders

System Management Actions:

Search System

Clear Search

Refresh

Search Favorites:

Delete Edit Go

Search History:

2022-10-25 15:29:12

Edit Go

Search: 2022-10-25 15:29:12 (History)\		
Name	Children	Description
Data Sources	2	Data Sources root level folder for the system.
Local Data Sources	0	Local Data Sources folder for the system.
Personal Folders	0	Personal Folders root level folder for the system.
Private Data Sources	0	Private Data Sources folder for the system.
Public	1	Public root level folder for the system.
Recycle Bin	0	Recycle bin folder where all deleted items are se...
SalesEOY	0	

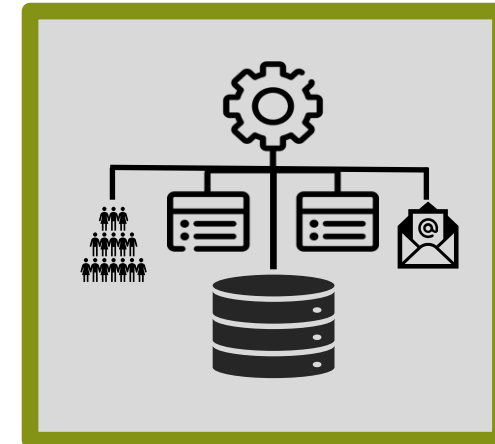
Publisher for Cloud – Enterprise Edition – Coming Soon



Enterprise Edition Functionality: **Shared & Private Data Sources**

Shared & Private Data Sources

- Bursting Data Sources contain:
 - Email addresses, filter values, destinations & format settings, SAC story IDs and model names, dimension names
- Data sources can be made public for broad access by those creating bursting definitions
 - Improved productivity, by reuse of existing definitions
 - Minimize errors and incorrect settings
 - Reduced IT maintenance of distribution lists



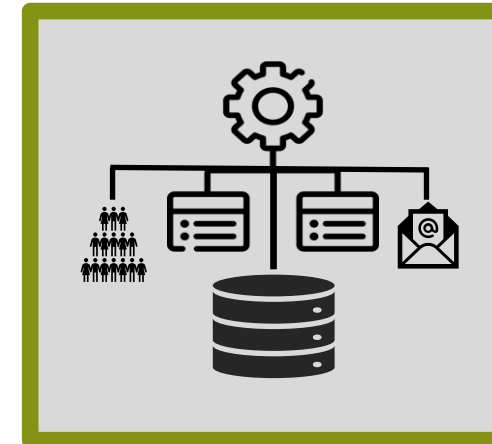
Publisher for Cloud – Enterprise Edition – Coming Soon



Enterprise Edition Functionality: **Shared & Private Data Sources**

Shared & Private Data Sources

- Private data sources are used to control access to these bursting details
 - Allows individuals to have their own private data sources



Publisher for Cloud – Enterprise Edition – Coming Soon



Enterprise Edition Functionality: Shared & Private Data Sources

System Management Actions:

Search System

Clear Search

Refresh

Search Favorites:

Delete Edit Go

Search History:

2022-10-25 15:29:12

Search: 2022-10-25 15:29:12 (History)\

Name	Children	Description
Data Sources	2	Data Sources root level folder for the system.
Local Data Sources	0	Local Data Sources folder for the system.
Personal Folders	0	Personal Folders root level folder for the system.
Private Data Sources	0	Private Data Sources folder for the system.
Public	1	Public root level folder for the system.
Recycle Bin	0	Recycle bin folder where all deleted items are se...
SalesEOY	0	

Publisher for Cloud – Enterprise Edition – Coming Soon

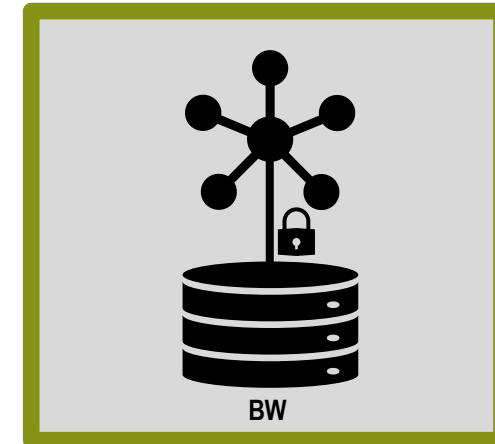


Enterprise Edition Functionality:

BW User-Based Broadcasting

BW User-Based Broadcasting

- Automatically broadcasting BW-based stories based on BW authorizations
- Automatically generating and distributing BW-based reports on behalf of BW users while retaining their authorizations
- Available to support other live data sources also



Publisher for Cloud – Enterprise Edition – Coming Soon



Enterprise Edition Functionality: **Recycle Bin**

Recycle Bin

- Bursting/Broadcasting definitions can be intentionally or unintentionally deleted, but may be needed in future
- Recycle Bin will allow for deleted definitions to be restored to the system by an administrative user
- Mitigates risk of loss of useful bursting configurations



Publisher for Cloud – Enterprise Edition – Coming Soon



Enterprise Edition Functionality: Recycle Bin

User GroupsUsersSystemMachinesSecurity

System Management Actions:

Search System

Clear Search

Refresh

Search Favorites:

Delete

Edit

Go

Search History:

2022-10-25 15:32:31

Edit

Go

Create Folder

Edit Folder

Change Owner

Change Location

Delete Object

Search: 2022-10-25 15:32:31 (History)\

Name	Children	Description
Data Sources	2	Data Sources root level folder for the system.
Local Data Sources	0	Local Data Sources folder for the system.
Personal Folders	0	Personal Folders root level folder for the system.
Private Data Sources	0	Private Data Sources folder for the system.
Public	1	Public root level folder for the system.
Recycle Bin	0	Recycle bin folder where all deleted items are se...
SalesEOY		

Search System

Clear Search

Refresh

Restore Object

Change Location

Delete Object

Display Bursting Definitions

Display Data Sources

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



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



Upcoming Events



Right-Sizing SAP BusinessObjects for Your Next Step - Webinar

Nov 17th, 2022 - 11am EST

Right-sizing your SAP BusinessObjects environment is important regardless of whether you are planning a platform upgrade, adopting SAP Analytics Cloud, moving to a hybrid BI deployment, or making some other change or shift in your SAP BI deployment. This webinar will highlight ways to achieve your right-sizing objectives for such changes, and ensure your system runs efficiently and cost-effectively.

Join us for this live session highlighting APOS products that can help you achieve your right-sizing objectives. Learn how to automate system cleanup, and much more.

You'll learn:

- **Rationalizing** – Assess necessary and unnecessary content, users, licenses and infrastructure
- **Reducing** – Find and remove unnecessary users and content from the system
- **Restructuring** – Make your infrastructure and licensing fit your needs



Register at www.apos.com

STAY CONNECTED



LINKEDIN

APOS Systems Inc.



TWITTER

@APOS_Systems

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

JOIN THE SAP ANALYTICS CLOUD GROUP TODAY!



Join easily by searching "SAP Analytics Cloud (SAC)" & Request to Join on LinkedIn!

QUESTIONS?

Please enter your questions in the Q&A panel.



Thank You!

Get in Touch

WEBSITE

www.apos.com

EMAIL ADDRESS

info@apos.com

PHONE NUMBER

(+1) 519 894 2767

