

SAP Analytics Cloud

Strategy & Roadmap-Update

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Public

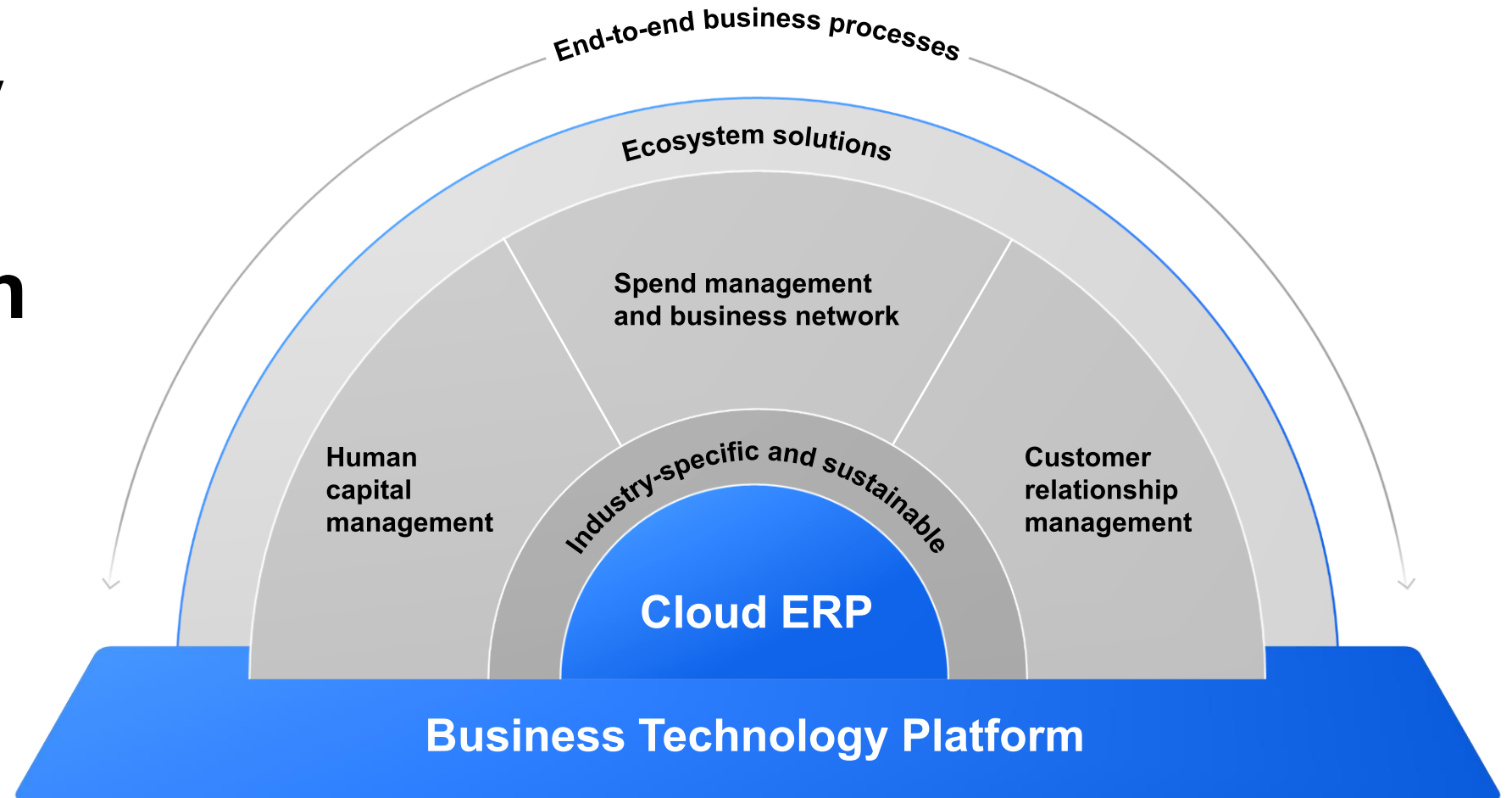


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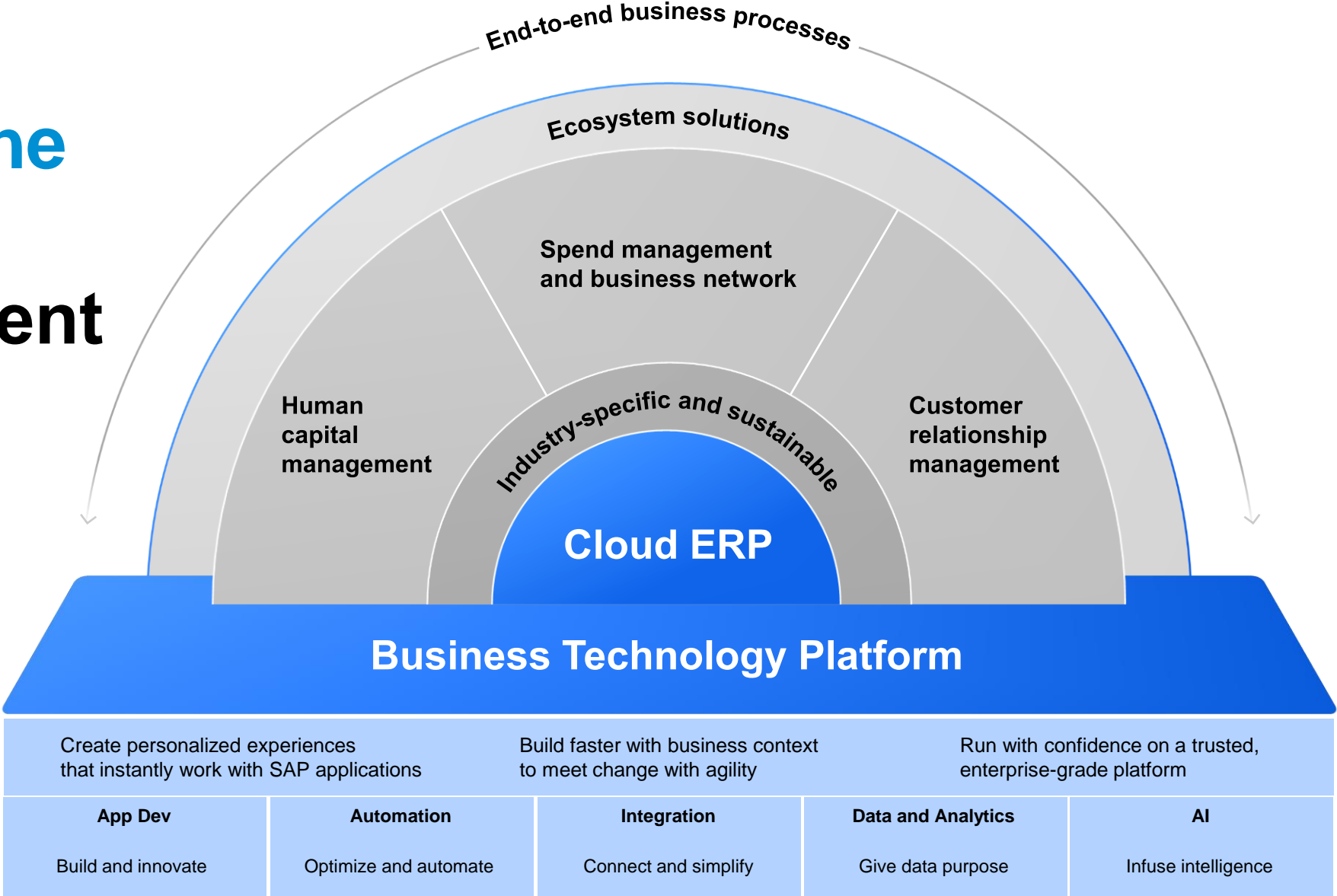
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**Enable every
enterprise
to become an
intelligent,
sustainable
enterprise**



SAP BTP is the foundation of the Intelligent Sustainable Enterprise



Portfolio Highlights

Focus & Priorities

Integrated Data & Analytics Portfolio to realize our vision

Planning & Analytics

Extended Planning and Analytics

Provides an optimized, vertically integrated consumption layer for customers, LoBs, partners

SAP Analytics Cloud

Data Mgmt. & Data Warehouse

Business Data Fabric

Harmonizes access to SAP data (incl. business context) with the ability to feed in external data

SAP Datasphere

Operational Databases

Intelligent Data Applications

Build apps leveraging analytical capabilities (ML, graph, spatial) of data tier combining historical & real-time data
Supported by BTP Services (pro / no-code app, development tools)

SAP HANA Cloud

Deliver data-to-value end-to-end instead of point solutions

SAP Analytics Cloud



Analytics catalog
Centralized portal



Mobile app
iOS and Android



Stories

Data Analyzer

Ask

MS Office integration



**Business
intelligence**

Data exploration
Dashboards and visualizations
Enterprise reporting



**Augmented
analytics**

Conversational analytics
Automated analytics
Predictive analytics



**Enterprise
planning**

Planning and forecasting
Collaboration and workflows
Predictive planning



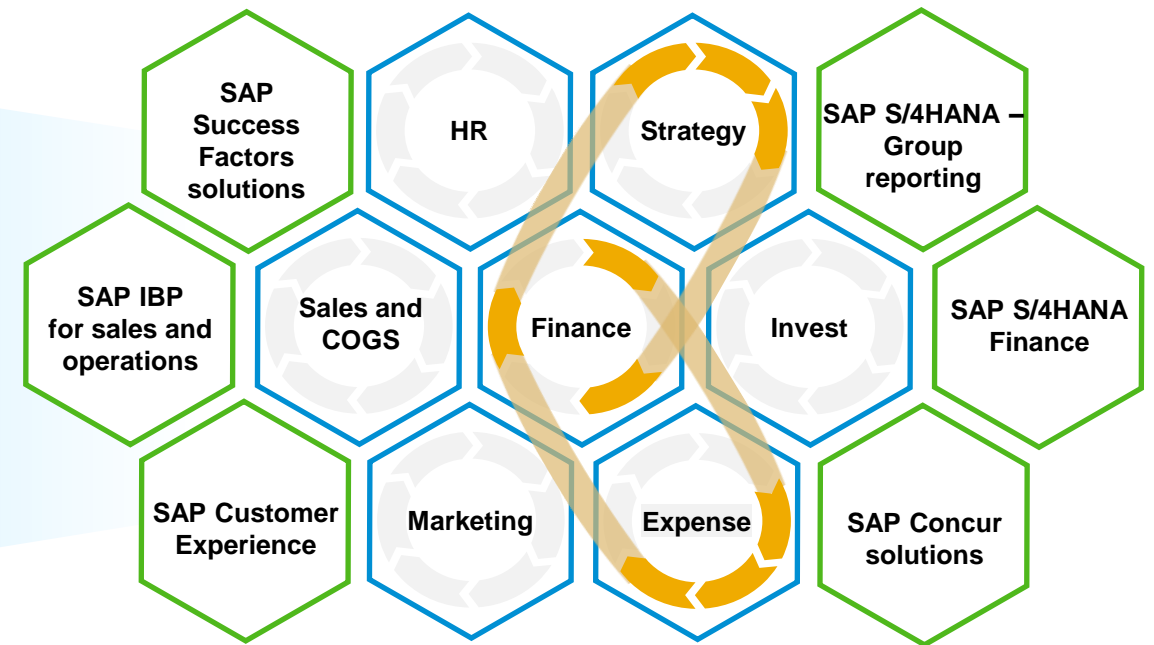
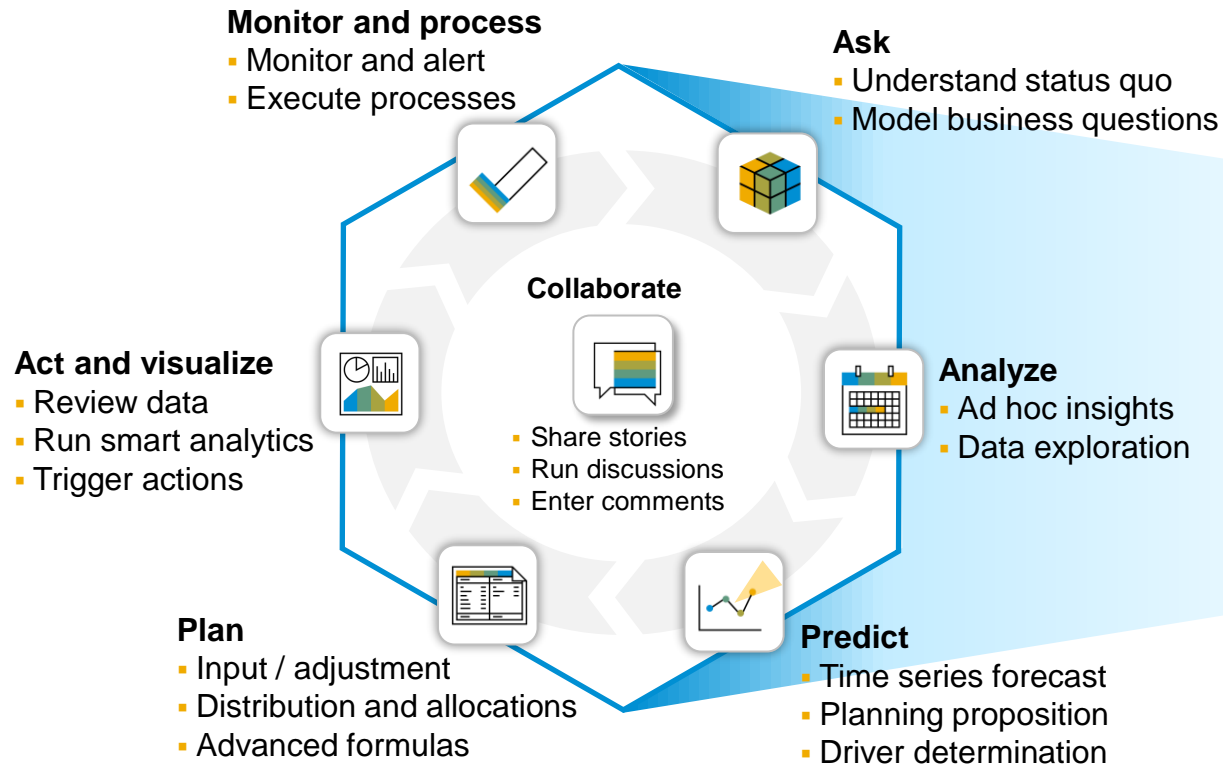
Platform Services

Data connectivity
Data preparation
Data modeling

Content translation
Lifecycle mgmt
Auditing and monitoring

Scheduling
Collaboration
APIs and SDKs

Extended Planning & Analysis

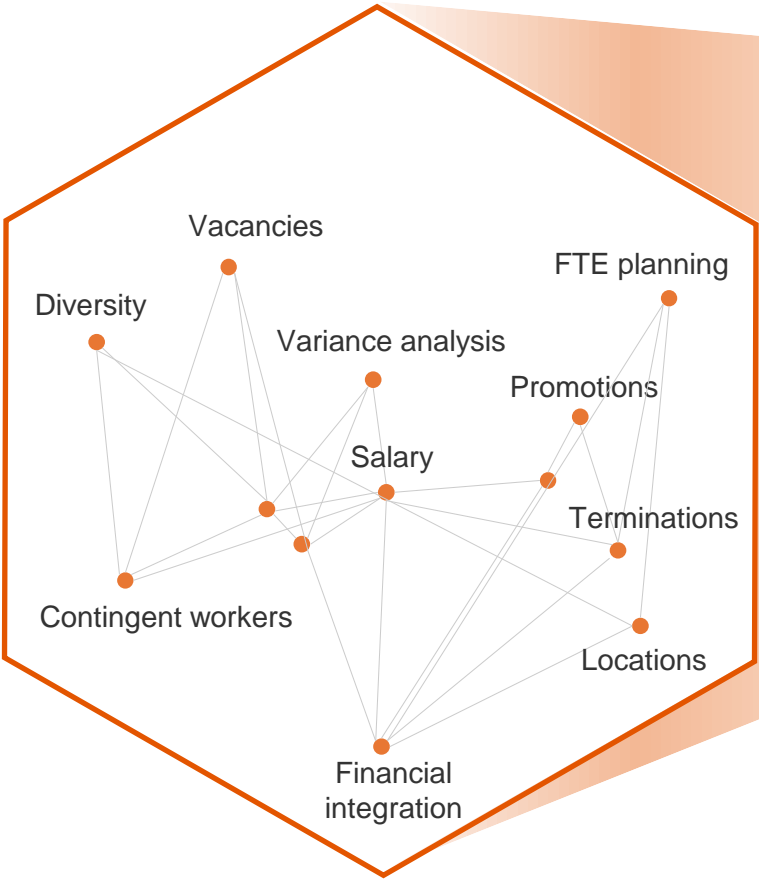


1 **Powerful analytics, planning, and applications** create a closed loop from insight to action.

2 Link **operational** and **financial data** from **all LoBs'** data to see one version of the truth in context.

3 **Integrate with enterprise applications** **In real time** to bring intelligence to the end user.

Extended Planning & Analysis



1 Powerful analytics, planning, and applications create a closed loop from insight to action.

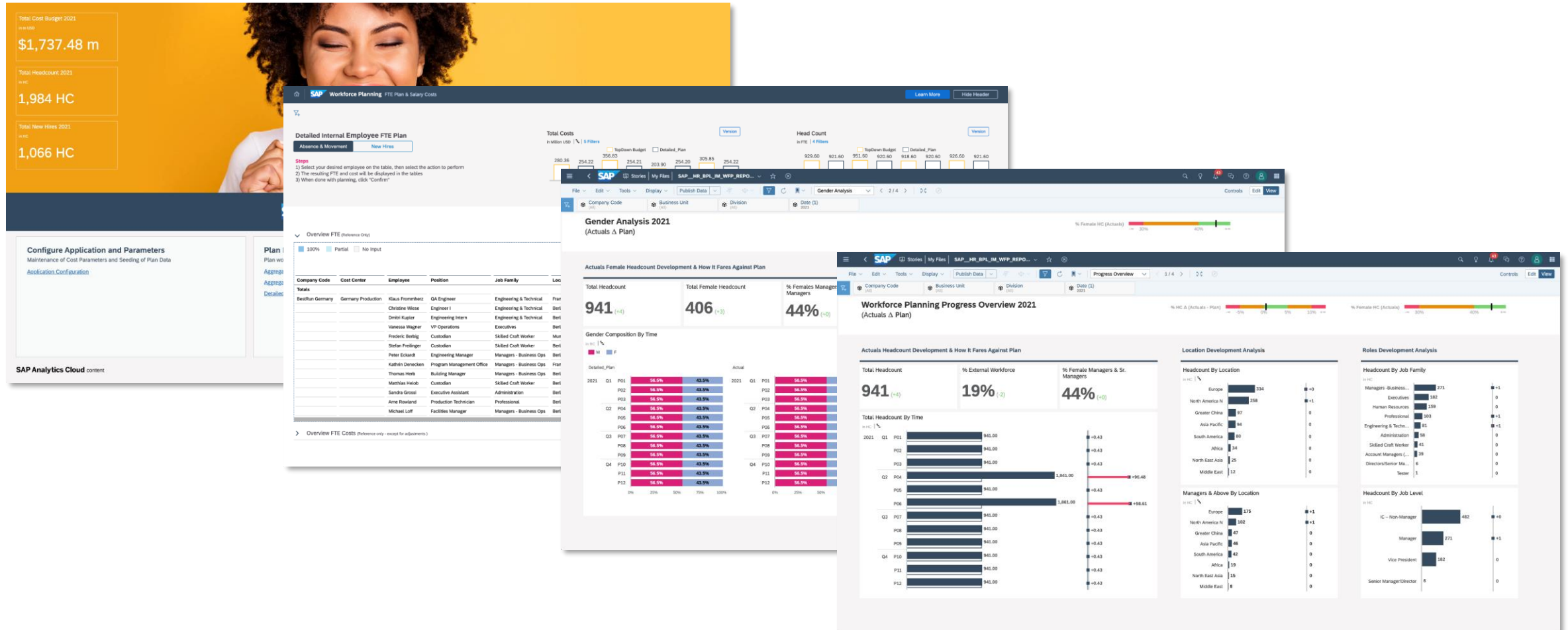
2 Link operational and financial data from all LoBs' data to see one version of the truth in context.

3 Integrate with enterprise applications in real time to bring intelligence to the end user.

4 Enhance with business content for faster implementation projects.

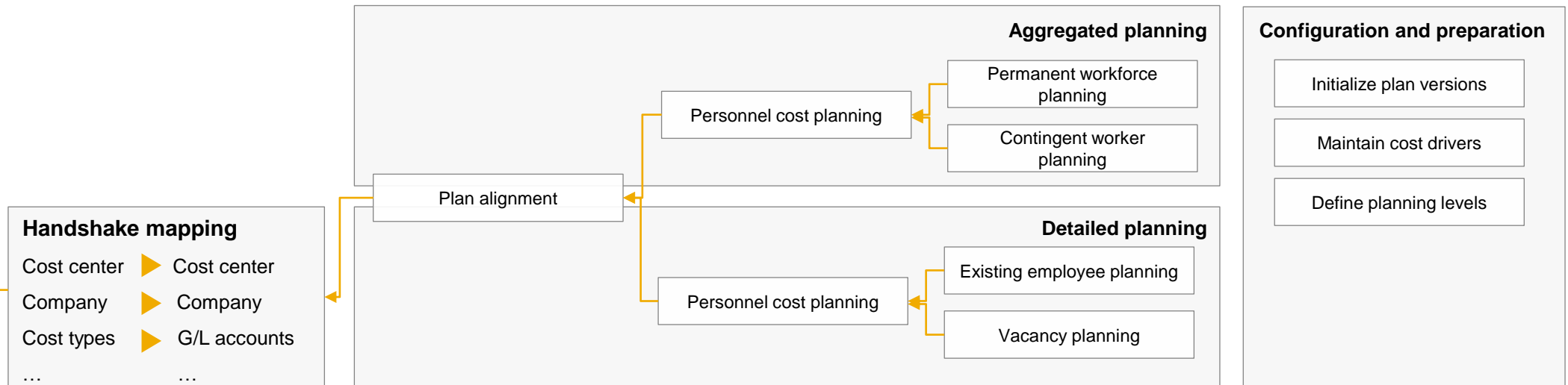
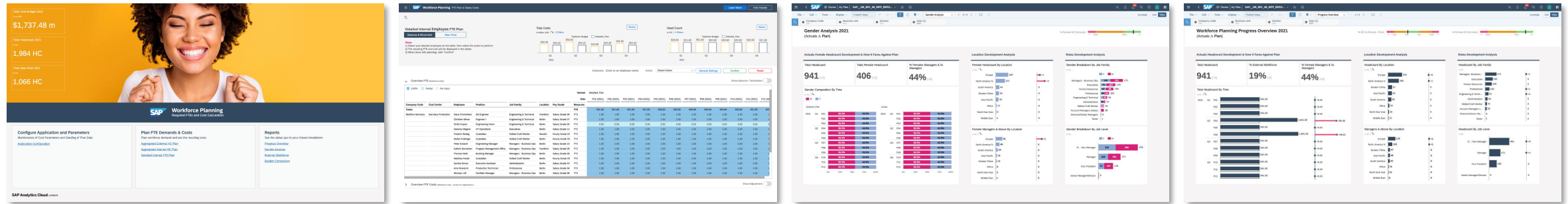
SAP Analytics Cloud

Enables extended planning and analysis (xP&A)



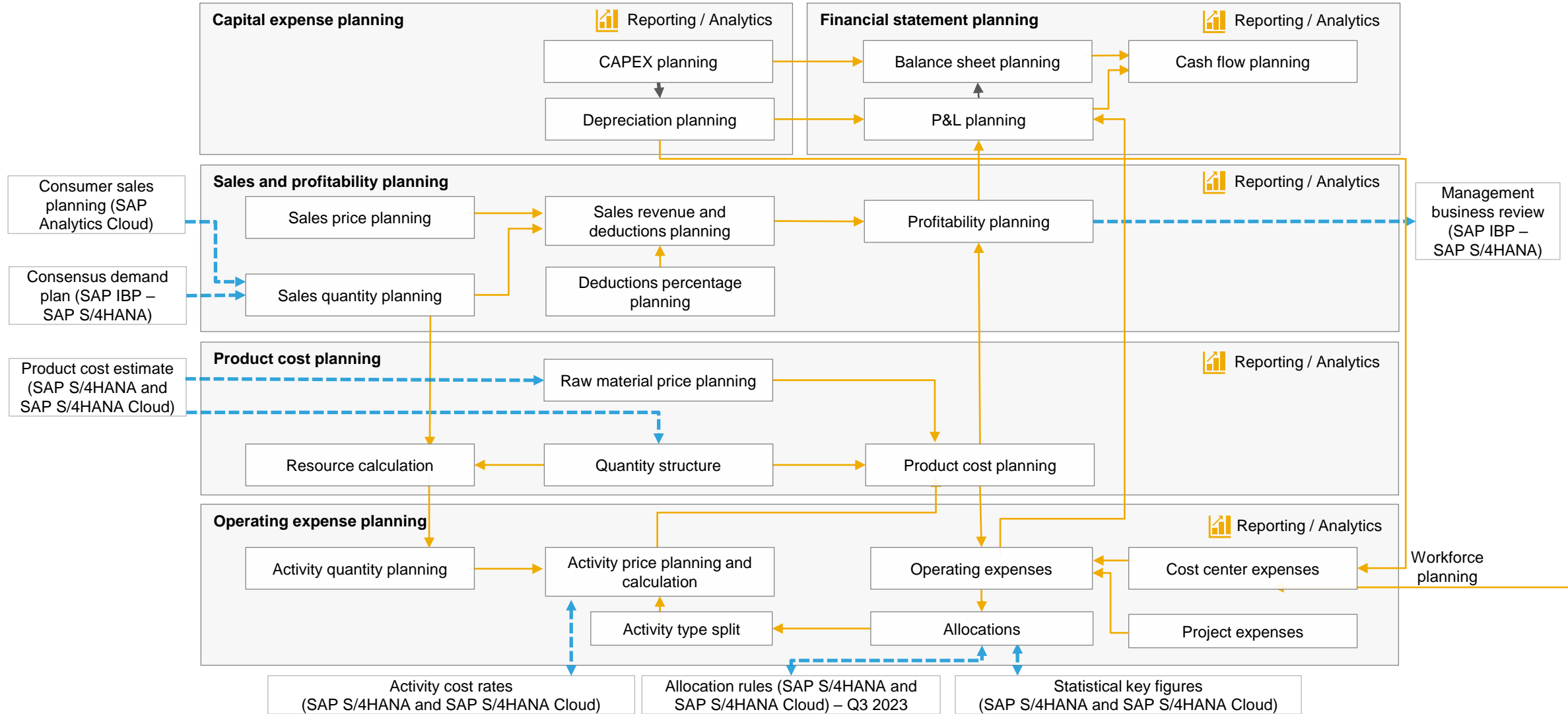
SAP Analytics Cloud

Operational workforce planning



SAP Analytics Cloud

Integrated financial planning for SAP S/4HANA – Q3 2022 and beyond



SAP Analytics Cloud in 2022

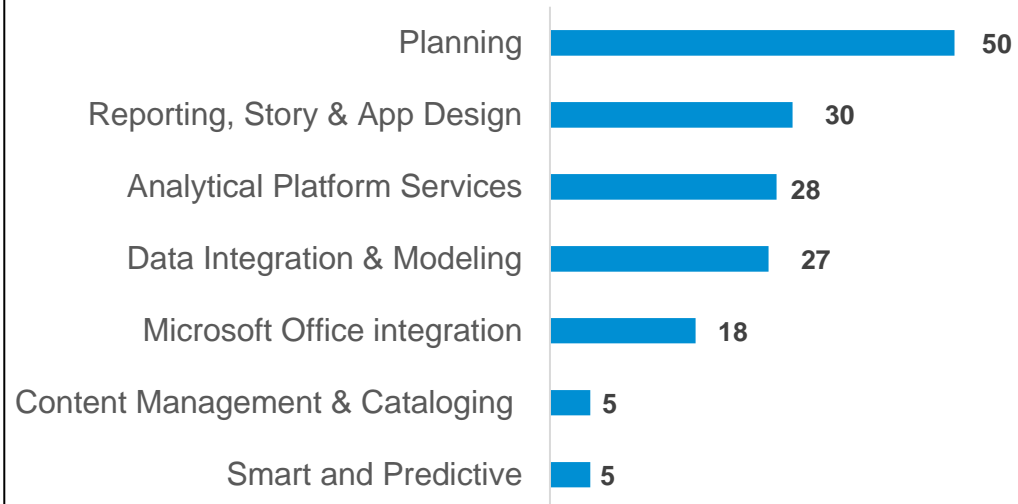
Continuous feature delivery

SAP Analytics Cloud features in total













Q1 '22 Q2'22 Q3'22 Q4'22

42 + 46 + 38 + 40 = 166

Features delivered by category



Features delivered in last 4 quarters addressed **110 influence requests**.

 Story: Optimized Story Experience – Linked Analysis and Measure based filters	 Smart: Predictive Planning on Business Calendars
 Planning: Flexible time	 MS Addin: DWC Integration
 Planning: SAP BPC - API for planning sequences	 Mobile: SAP Analytics Cloud App on Android
 Analytics Designer: Custom Widget Data binding	 Story: Best Practice Performance Tips
 Planning: Fluid Data Entry	 Data Integration: Bi-directional transfer with DWC
 Platform: Administration Cockpit	 Platform: Multi - Language master data

SAP Analytics Cloud

Key priorities for 2023



SAP Business Technology Platform and LoB integration

Deep integration with SAP Datasphere and SAP's LoB applications



Live connectivity

SAP Business Warehouse, SAP Business Planning and Consolidation, SAP S/4HANA, and SAP HANA Cloud providing live capabilities for SAP HANA

Enterprise readiness, performance, and usability

Performance improvements, enterprise analytics, administration capabilities, and an enhanced data-entry experience

Advanced planning features and flexible modeling

Flexible modeling, data entry optimization, and planning automation with workflows



Data exploration

Data analyzer as the **one exploration experience** with integration into story workflow and catalog

SAP Analytics Cloud, add-in for Microsoft Office 365 (Excel)

Full support of planning features with data actions, new lines, and more

Integration of predictive forecasts with planning

Automation and scheduling, increased transparency and trust, predictive and multi-actions



Unified Story

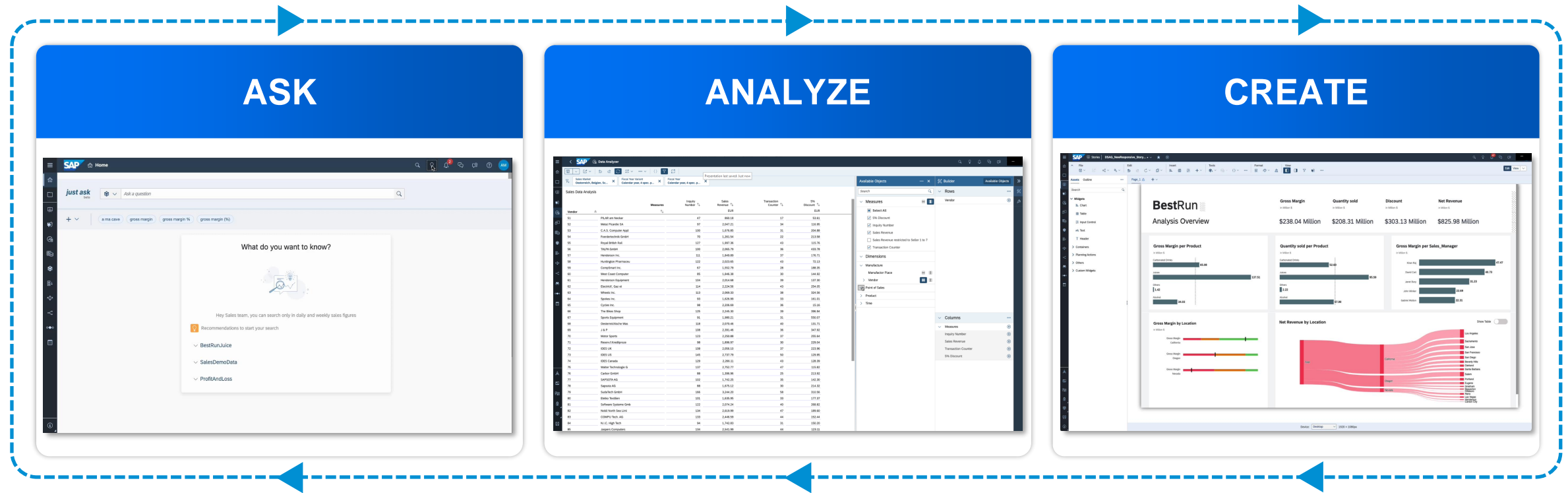
One experience combining stories, analytics designer, and SAP Digital Boardroom

Enhanced workflow support

Conditional dependencies, enhanced mass creation, and bulk edit

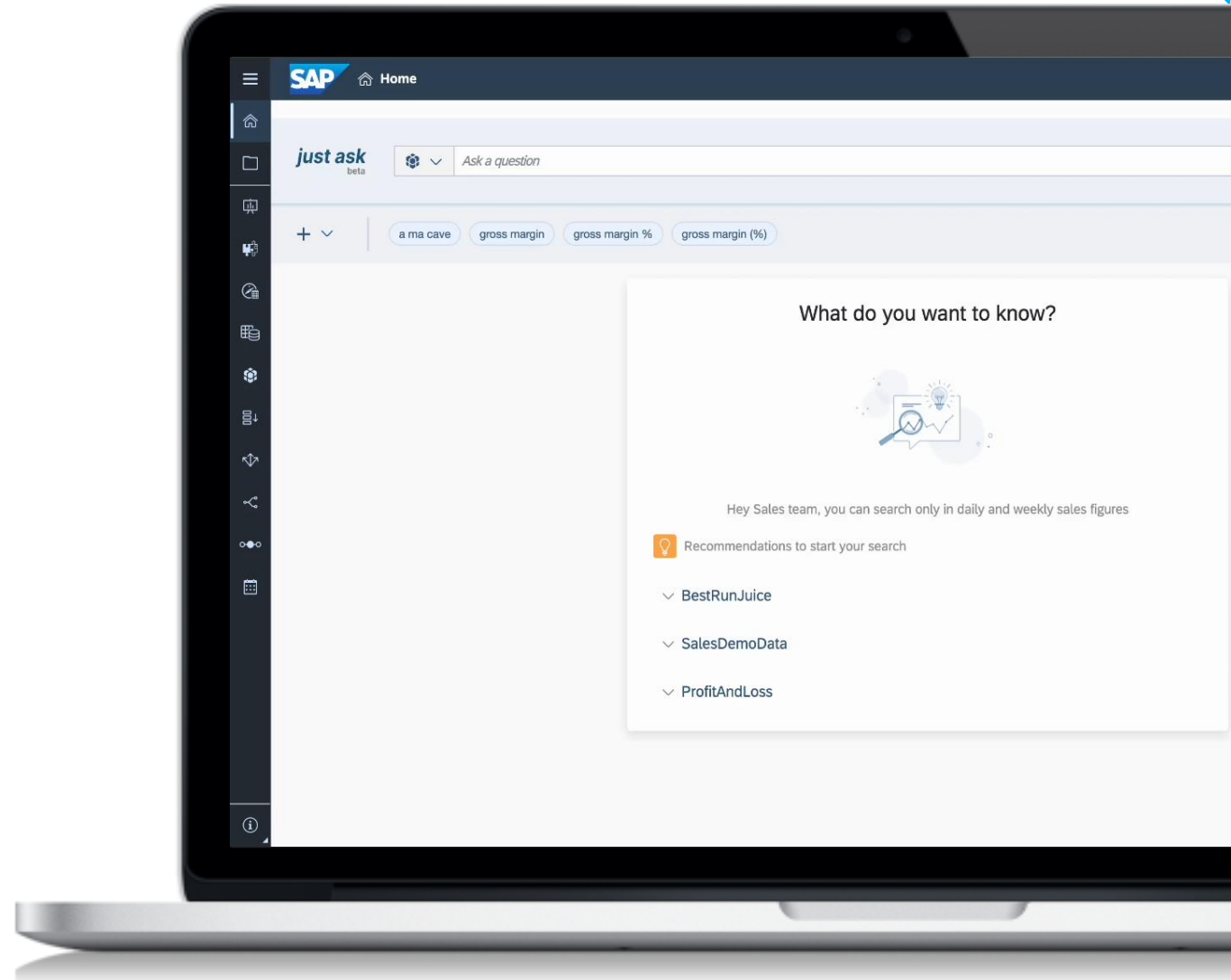
From casual information worker to power user

Simpler LoB experience and improved end-customer experience



Ask: Q4 Outlook (planned GA Scope)

- Language support: English
- Model support: Acquired and live data
- Widgets:
 - Interactive visualization and table support
 - Sorting
 - Export (CSV / Excel)
 - IBCS compliant
 - Story & Data Analyzer Integration
- Technology:
 - Smart synonyms: using “text embedding” techniques
 - Based on Large language models (LLM)
 - User-defined synonym management
 - Semantic rules



Home

2
AM

beta

Ask a question

+
▼

a ma cave
gross margin
gross margin %
gross margin (%)

What do you want to know?

Hey Sales team, you can search only in daily and weekly sales figures

Recommendations to start your search

- ▼
BestRunJuice
- ▼
SalesDemoData
- ▼
ProfitAndLoss

What do you want to know?



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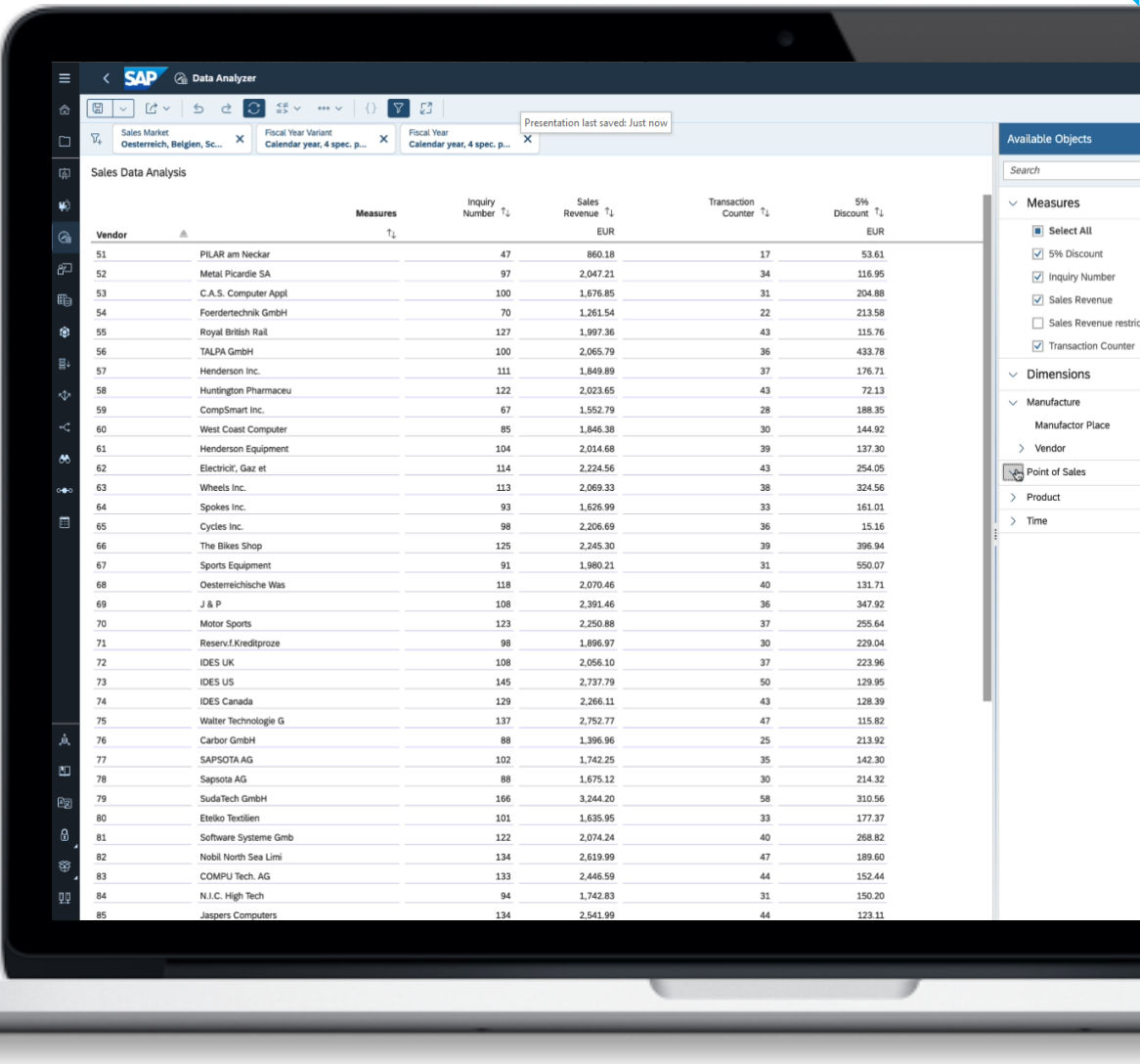
SalesDemoData

ProfitAndLoss

Data Analyzer Q2 Outlook

Labs Preview

- Dimension Grouping in Remote Live Models
- Search by Text
- Drag-Drop of Dimensions, Attributes and Measures
- Sorting via Quick Sort Icons
- Central Filter Bar and Single Dimension Filter
- Table Styling
- Story Integration (Overlay and new Tab)



The screenshot displays the SAP Data Analyzer interface. The main window shows a table titled 'Sales Data Analysis' with columns for Vendor, Measures, Inquiry Number, Sales Revenue, Transaction Counter, and 5% Discount. The table lists various vendors and their corresponding sales data. On the right side, there is a sidebar with 'Available Objects' and a 'Measures' section where users can select or deselect specific measures like '5% Discount', 'Inquiry Number', 'Sales Revenue', 'Sales Revenue restriction', and 'Transaction Counter'. The interface also includes a top navigation bar with tabs for 'Sales Market', 'Fiscal Year Variant', and 'Fiscal Year'.

Vendor	Measures	Inquiry Number	Sales Revenue	Transaction Counter	5% Discount
			EUR		EUR
51	PILAR am Neckar	47	860.18	17	53.61
52	Metal Picardie SA	97	2,047.21	34	116.95
53	C.A.S. Computer Appl	100	1,676.85	31	204.88
54	Foerdertechnik GmbH	70	1,261.54	22	213.58
55	Royal British Rail	127	1,997.36	43	115.76
56	TALPA GmbH	100	2,065.79	36	433.78
57	Henderson Inc.	111	1,849.89	37	176.71
58	Huntington Pharmaceu	122	2,023.65	43	72.13
59	CompSmart Inc.	67	1,552.79	28	188.35
60	West Coast Computer	85	1,846.38	30	144.92
61	Henderson Equipment	104	2,014.68	39	137.30
62	Electricit, Gaz et	114	2,224.56	43	254.05
63	Wheels Inc.	113	2,069.33	38	324.56
64	Spokes Inc.	93	1,626.99	33	161.01
65	Cycles Inc.	98	2,206.69	36	15.16
66	The Bikes Shop	125	2,245.30	39	396.94
67	Sports Equipment	91	1,980.21	31	550.07
68	Oesterreichische Was	118	2,070.46	40	131.71
69	J & P	108	2,391.46	36	347.92
70	Motor Sports	123	2,250.88	37	255.64
71	Reserv.f.Kreditproze	98	1,896.97	30	229.04
72	IDES UK	108	2,056.10	37	223.96
73	IDES US	145	2,737.79	50	129.95
74	IDES Canada	129	2,266.11	43	128.39
75	Walter Technologie G	137	2,752.77	47	115.82
76	Carbor GmbH	88	1,396.96	25	213.92
77	SAPSOTA AG	102	1,742.25	35	142.30
78	Sapsota AG	88	1,675.12	30	214.32
79	SudaTech GmbH	166	3,244.20	58	310.56
80	Etelko Textilien	101	1,635.95	33	177.37
81	Software Systeme Gmb	122	2,074.24	40	268.82
82	Nobil North Sea Limi	134	2,619.99	47	189.60
83	COMPU Tech. AG	133	2,446.59	44	152.44
84	N.I.C. High Tech	94	1,742.83	31	150.20
85	Jaspers Computers	134	2,541.99	44	123.11

This is the current state of planning and may be changed by SAP at any time.

Unified Story Q2 Update

Design

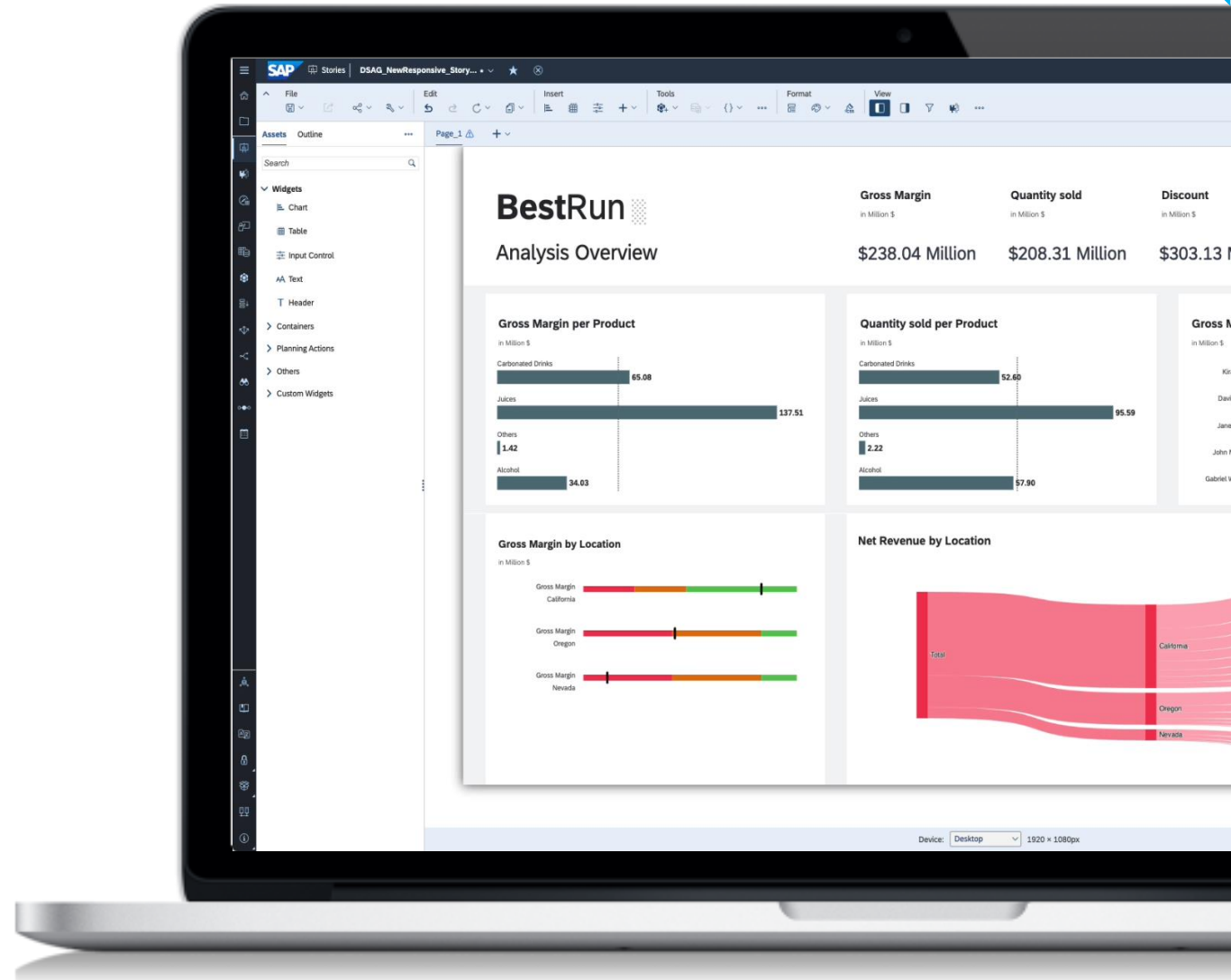
- Self-service story building
- Existing story capabilities
- No-code features of analytic applications, such as custom widgets, theming

Extend

- Smooth extension through scripting
- Low-code and advanced coding capabilities of analytic applications

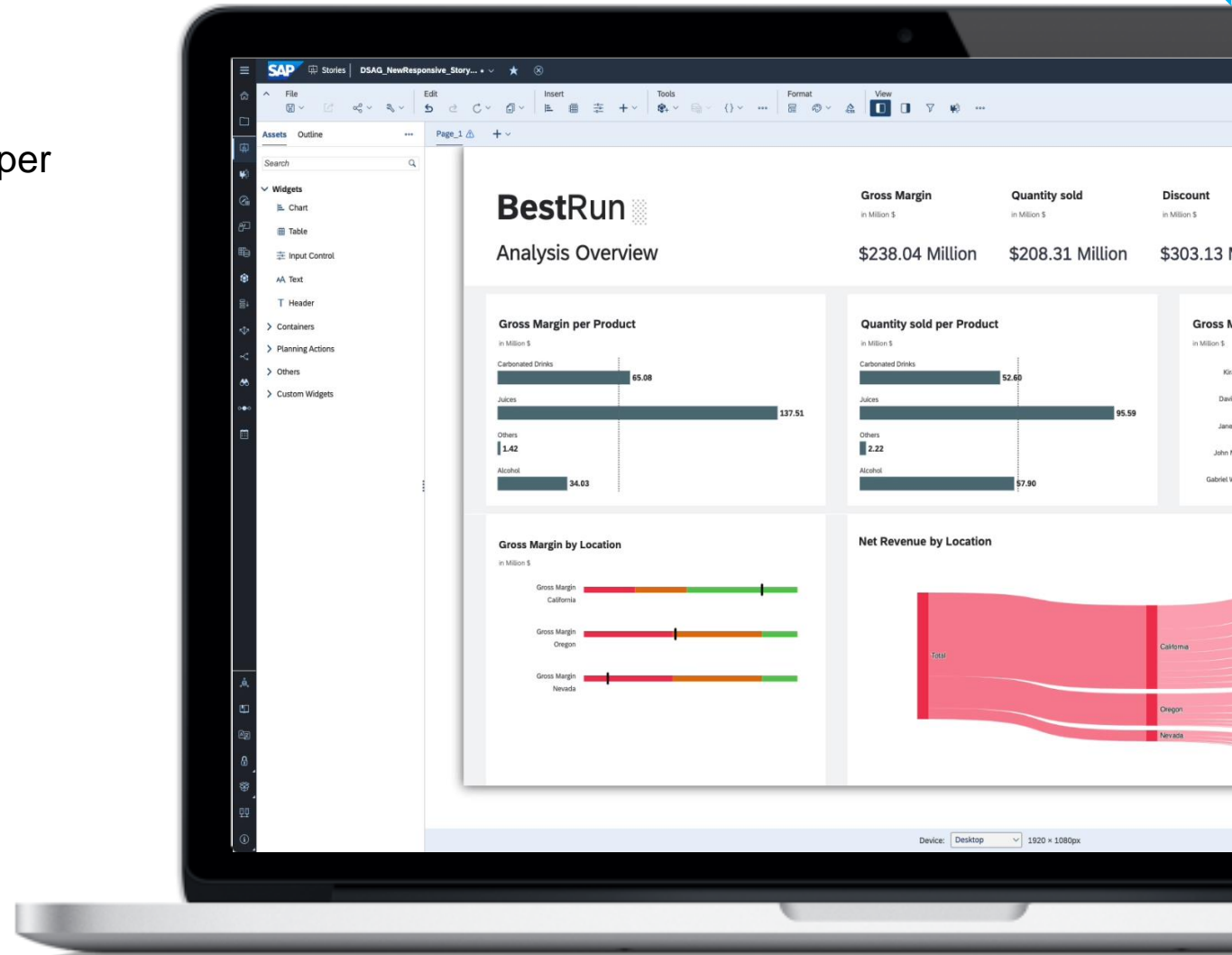
Present

- Ability to build your presentation
- SAP Digital Boardroom concepts, such as navigation paths through story contents
- Composable business intelligence

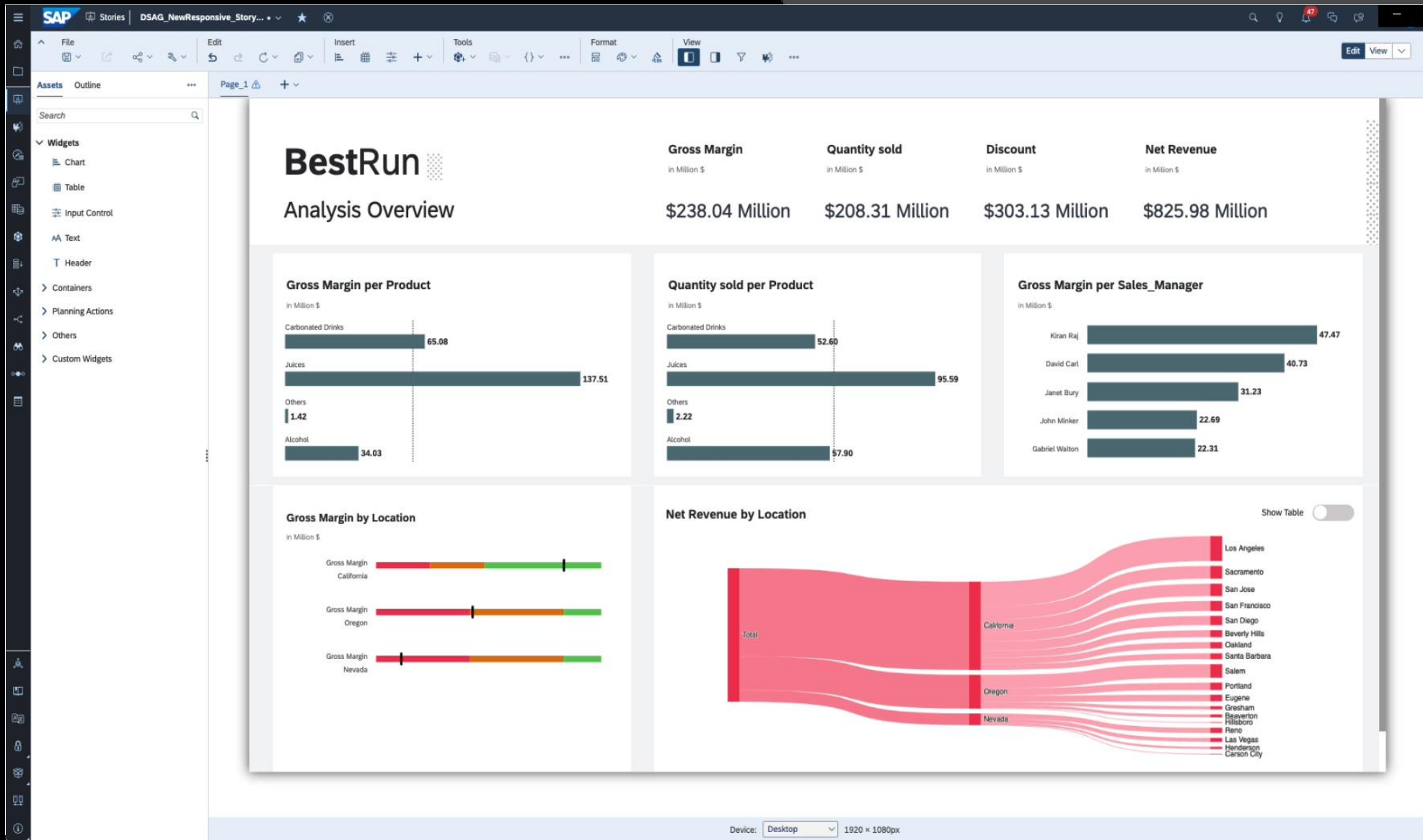


Unified Story Q2 Outlook (GA Scope)

- Unified Artifact for Both Story and App
- Integrated Design Time for Both Designer and Developer
- Unified Story Module and Landing Page
- Enhanced Custom Widget with Data Binding
- Flexible Theme and CSS Capability
- Advanced Responsive Layout with Nested Containers
- Data Change Insight
- Unified Bookmark Workflow
- Vertical Filter Panel
- Data Analyzer Integration
- Linked Analysis Graph Assistant
- Configurable Runtime Toolbar
- Configurable Widget Context Menu
- Widget Dynamic Visibility, Size and Position



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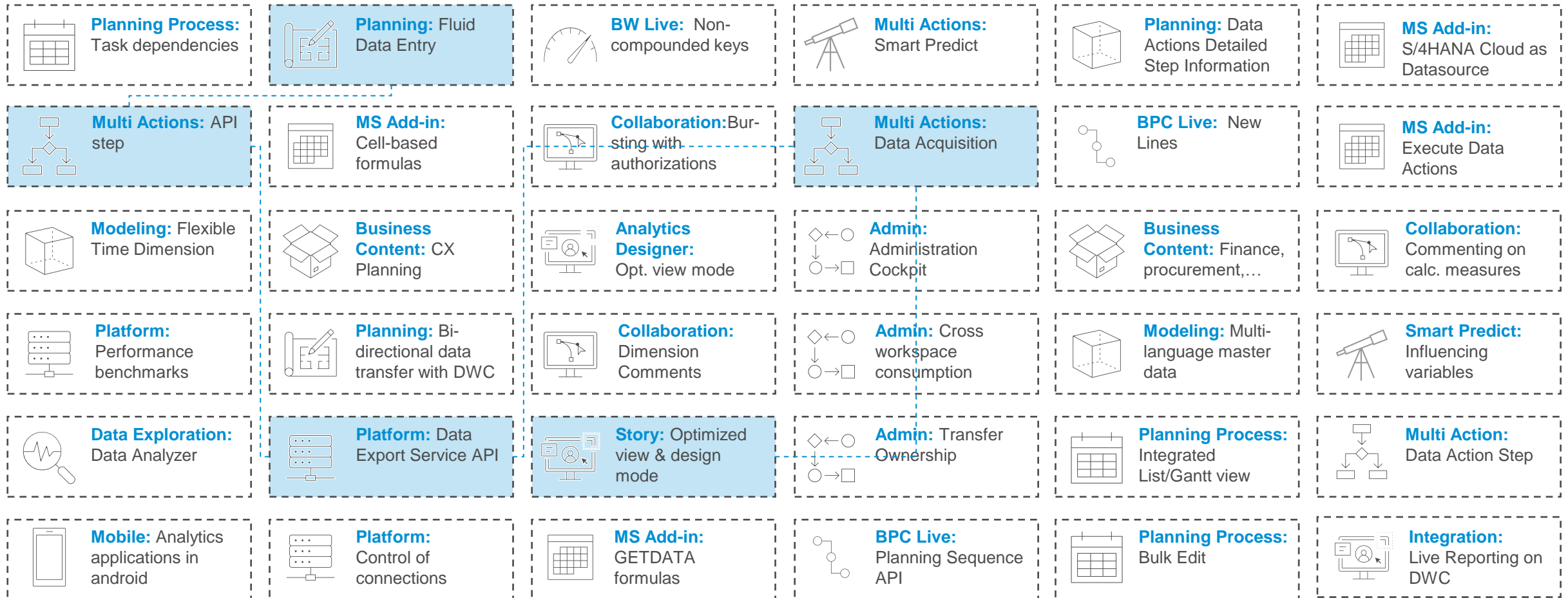
SAP Analytics Cloud Composability

The Whole is Greater than the Sum of its Parts



SAP Analytics Cloud

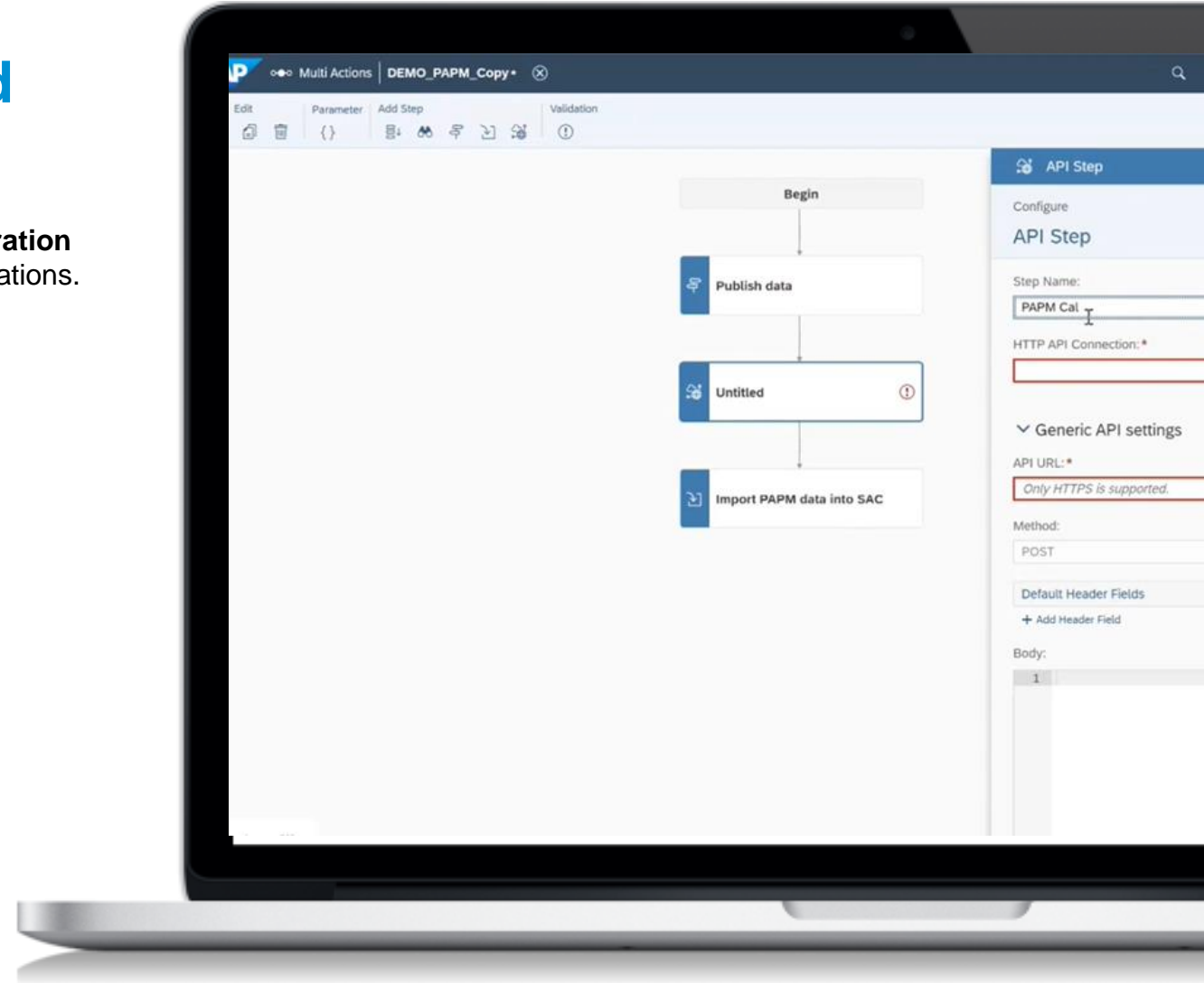
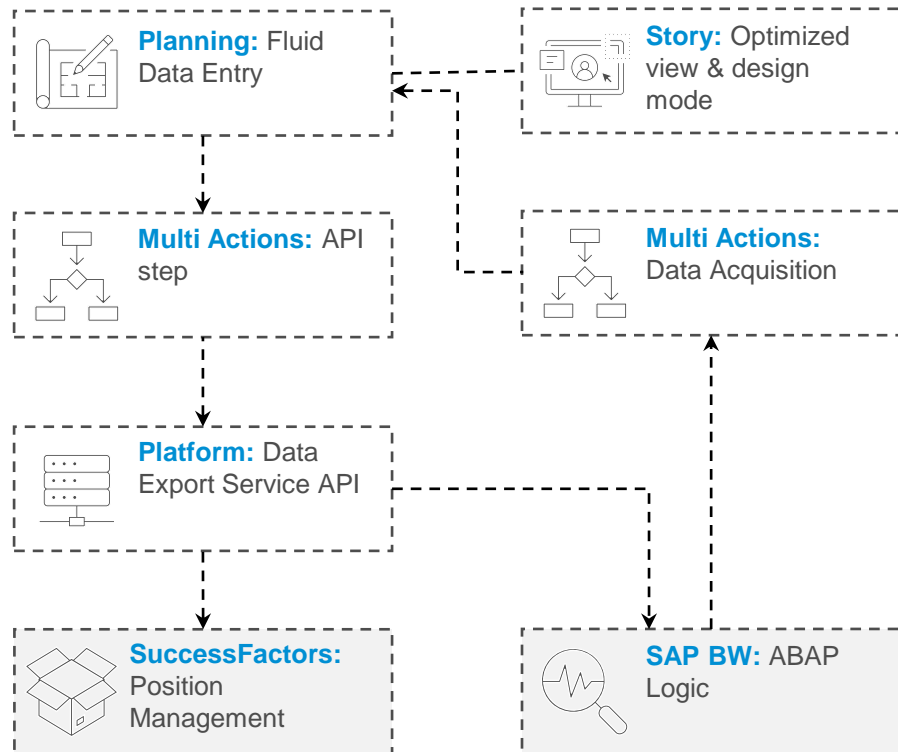
Integrating into LoB Applications and On-Premise Landscapes



SAP Analytics Cloud

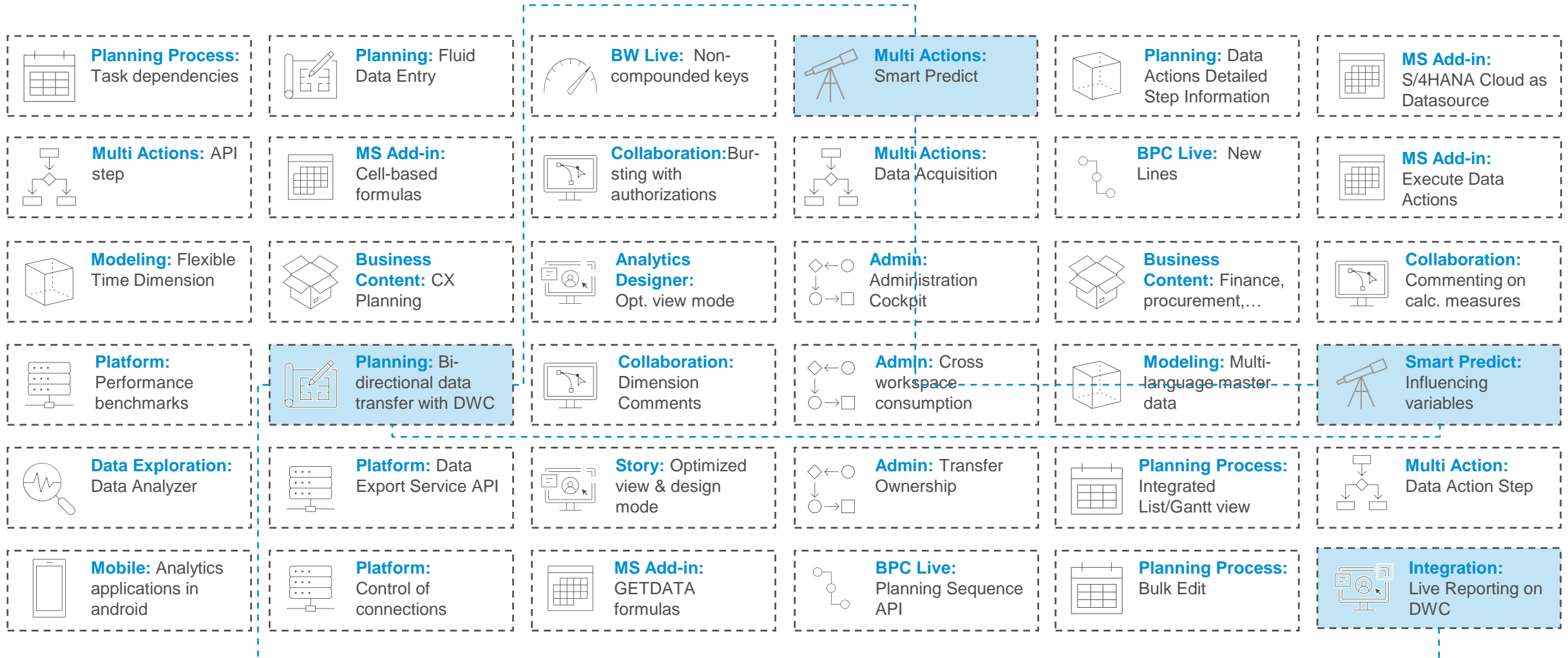
Integrating into LoB Applications and On-Premise Landscapes

The new **API step** included within **multi actions** adds new **closed-loop integration capabilities** to SAP Analytics Cloud in combination with SAP BW or LoB applications.



SAP Analytics Cloud

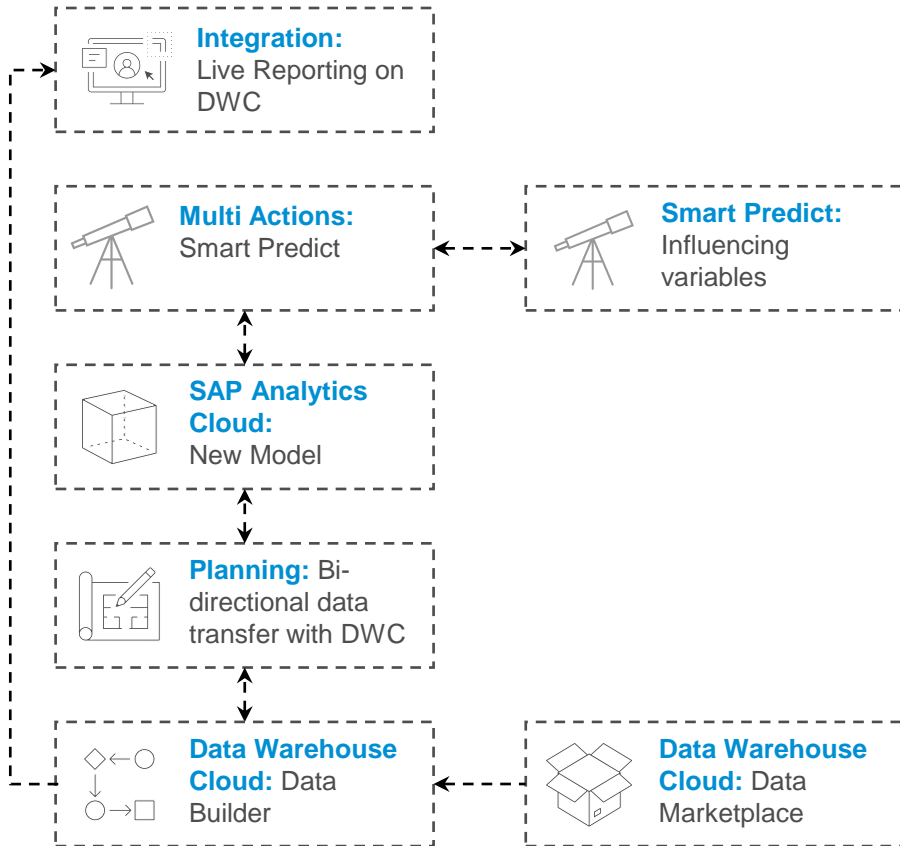
Automated Planning on External Data



SAP Analytics Cloud

Automated Planning on External Data

Leverage the **bi-directional data transfer for planning** to integrate external data from **SAP Data Warehouse Cloud, Data Marketplace** and use it as input for **automated predictive scenarios** and **sync results back** into SAP Data Warehouse Cloud.



Tools | Publish Data | Liquidity Planning | 2 / 2 | Launch Smart Predict Analysis View

Liquidity Planning with Predictive Forecast

Company Code
(00)

Time (1)
Jan (2021) - Dec (2022)

Launch Smart Predict Analysis View

Instructions

1. Prepare version for predictive model.
2. Run predictive liquidity forecast on prepared version.
3. Refresh data and check the forecast result.

Prepare Version for Predictive Model
to train Smart Predict

Run Predictive Liquidity Forecast
on prepared Version

Cash Flows related to operating activities

in k | 1 Filter | Hidden

Version (2)
Predictive Forecast, Actual

Transaction Currency	Liquidity Item	Time	> Q1 (2021) > Q2 (2021) > Q3 (2021) > Q4 (2021)					> 2022
		Actual	Actual	Actual	Actual	Actual	Predictive F...	Pr
Swiss Franc	✓ Cash Flows related to operating activities	CHF28	CHF6	CHF4	CHF14	CHF4	CHF348	
	Cash In related to operating activities	CHF862	CHF196	CHF235	CHF214	CHF217	CHF913	
	✓ Cash Out related to operating activities	CHF835	CHF190	CHF231	CHF200	CHF213	CHF565	
	Energy Expenses	CHF82	CHF16	CHF21	CHF22	CHF22	CHF101	
	Labor	CHF146	CHF36	CHF36	CHF37	CHF37	CHF151	
	Milk Expenses	CHF285	CHF68	CHF90	CHF62	CHF66	CHF28	
	Other Expenses	CHF193	CHF44	CHF53	CHF48	CHF49	CHF200	
Euro	Sugar Expenses	CHF129	CHF25	CHF32	CHF32	CHF40	CHF86	
	✓ Cash Flows related to operating activities	€10,416	€2,403	€2,597	€2,983	€2,433	€28,421	
	Cash In related to operating activities	€56,363	€12,847	€15,325	€14,024	€14,168	€59,837	
	✓ Cash Out related to operating activities	€45,948	€10,444	€12,728	€11,041	€11,735	€31,416	
	Energy Expenses	€4,497	€905	€1,158	€1,235	€1,199	€5,664	
	Labor	€8,009	€1,974	€1,997	€2,019	€2,019	€8,285	
	Milk Expenses	€15,709	€3,752	€4,925	€3,403	€3,628	€1,648	
	Other Expenses	€10,641	€2,424	€2,897	€2,638	€2,682	€10,985	
	Sugar Expenses	€7,093	€1,389	€1,751	€1,746	€2,207	€4,834	

Enterprise analytics

SAP BW and SAP BPC – Live focus 2023

SAP BW – Live features highlights

- | | |
|--|-----------|
| ▪ Hide/show compound keys | Q3 2022 ✓ |
| ▪ Linked Analysis on 2-Struc (Influence ID 258958) | Q4 2022 ✓ |
| ▪ Improved Hierarchy Drill (Influence ID 250488) | Q4 2022 ✓ |
| ▪ Difference from | Q1 2023 ✓ |
| ▪ Comments for SAP BW live (Influence ID 273160) | Q2 2023 |
| ▪ BW Default Filters on Visualizations | Q1 2023 ✓ |
| ▪ BW Linked Nodes | Q2 2023 |
| ▪ Improved support of Time Dependent Hierarchy | Q3 2023 |
| ▪ Range Filter for all characteristics | Q3 2023 |
| ▪ Support of fiscal dimensions (e.g. Fiscal Period) | Plan H2 |
| ▪ Support of BW Report to Report Interface | Plan H2 |

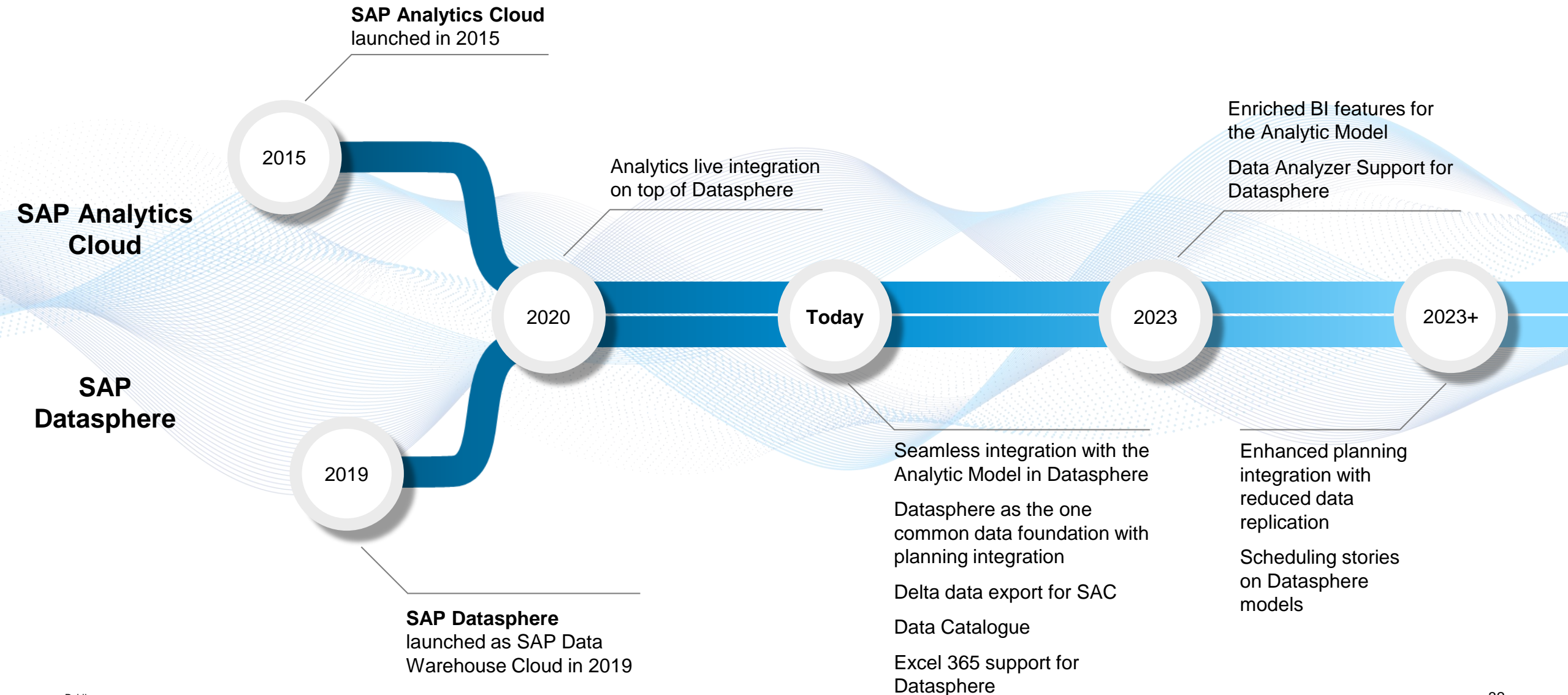
SAP BPC – Live features highlights

- | | |
|---|-----------|
| ▪ Planning sequence API | Q3 2022 ✓ |
| ▪ New lines enablement | Q4 2022 ✓ |
| ▪ Comments for SAP BPC live | Q2 2023 |
| ▪ Context-sensitive execution for planning seq. | 2023 |

Planned but no timeline yet

- | | | |
|---|---|--------------------------------------|
| ▪ Improved support of time dimensions (other than date) | ▪ Transient data access | ▪ Conditional formatting / threshold |
| ▪ Improved support of queries with 2 structures | ▪ Dynamic time calculations (PY, YoY, YTD, ...) | ▪ Support of default query settings |
| ▪ Hierarchical drill / expand for charts | ▪ Measure-based filters | |

SAP Analytics Cloud and SAP Datasphere integration journey.



Thank you.

Contact information:

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