The SAP BTP Universe in a Nutshell - Analytics

Orla Cullen
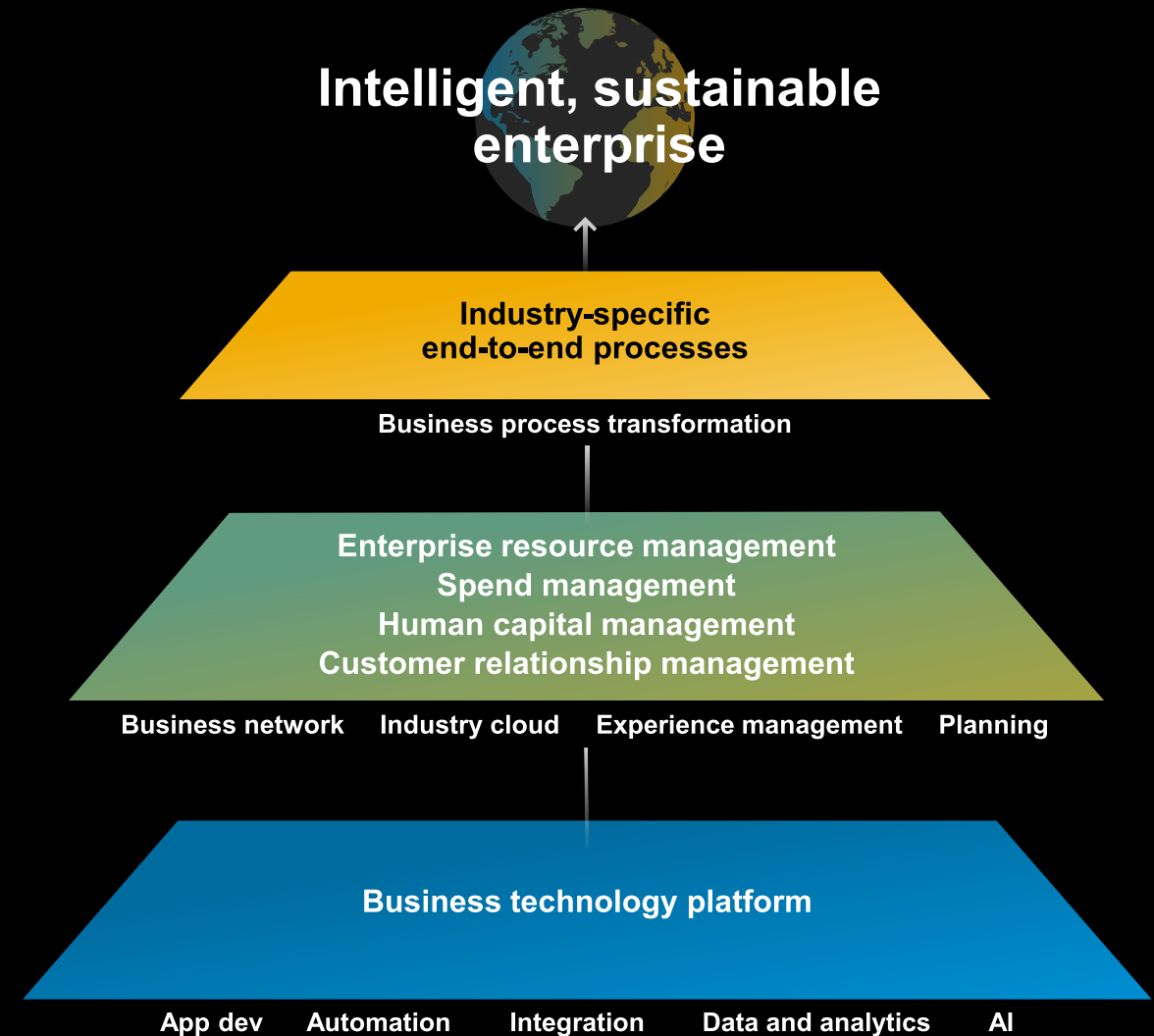Solution Manager Planning & Analytics

PUBLIC

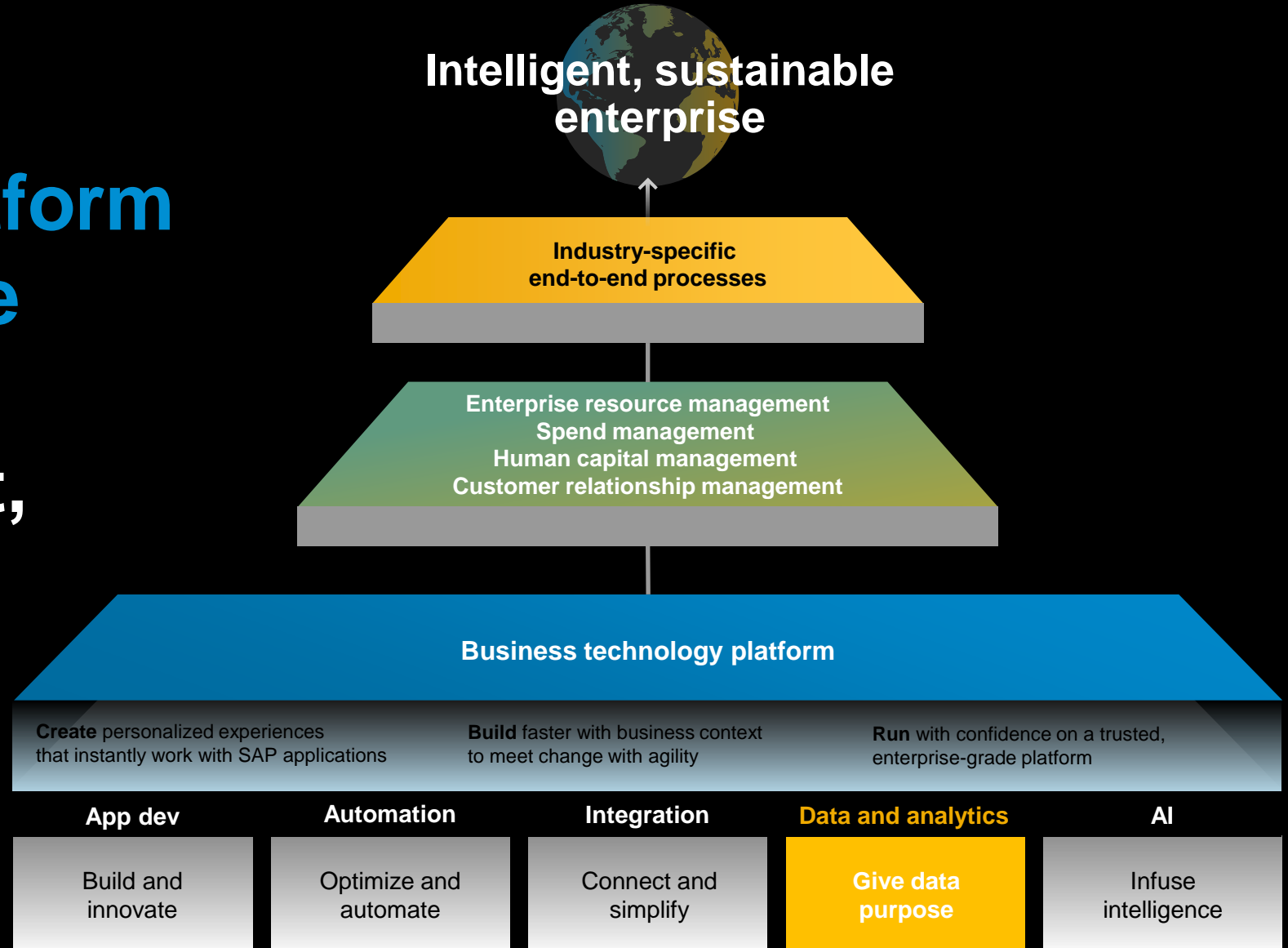THE BEST RUN **SAP**

Legal Disclaimer

The information in this presentation is confidential and proprietary to SAP and may not be disclosed without the permission of SAP. This presentation is not subject to your license agreement or any other service or subscription agreement with SAP. SAP has no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentations and **SAP's strategy and possible future developments, products and or platforms directions and functionality are all subject to change and may be changed by SAP at any time for any reason without notice**. The information in this document is not a commitment, promise or legal obligation to deliver any material, code or functionality. This document is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. This document is for informational purposed and may not be incorporated into a contract. SAP assumed no responsibility for errors or omissions in this document, except if such damages were caused by SAP's willful misconduct or gross negligence.
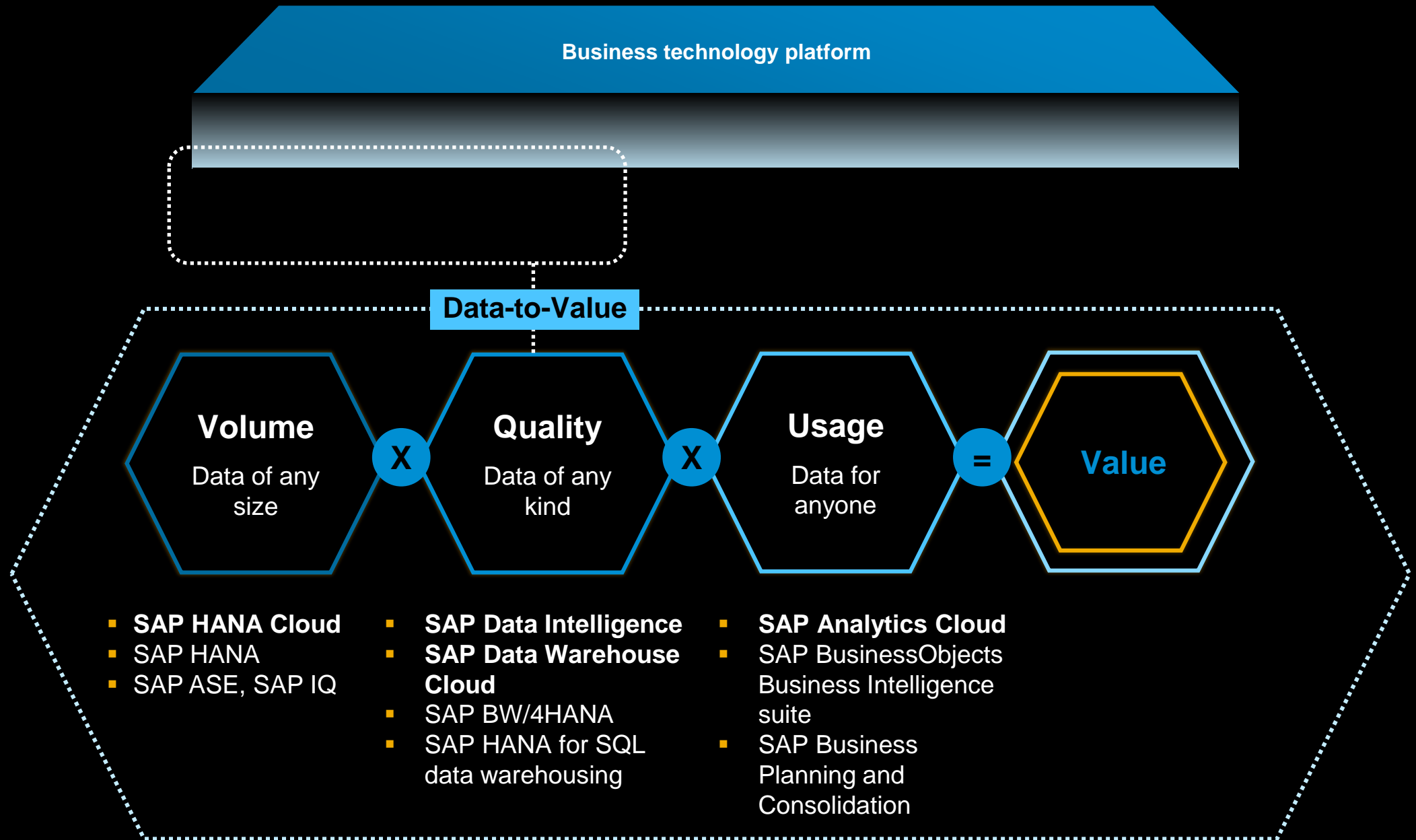
All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

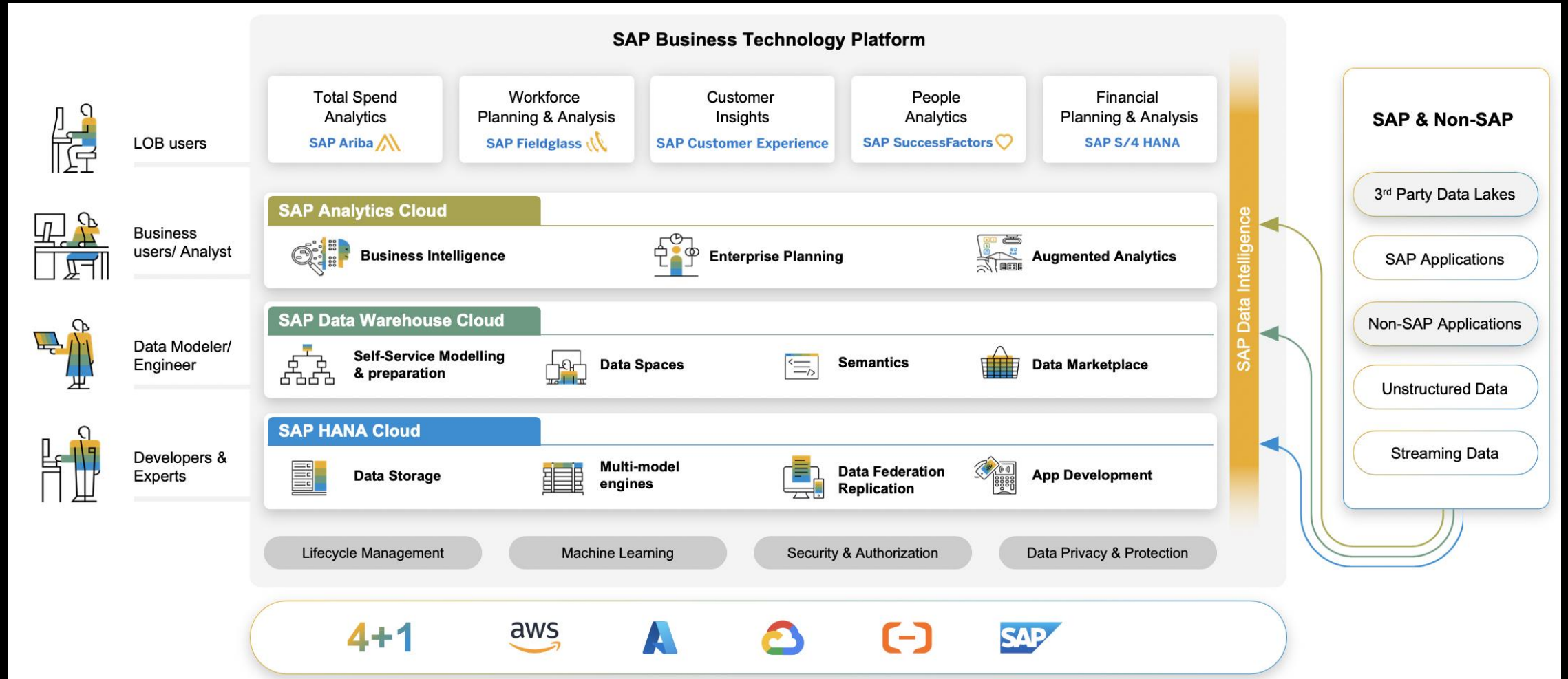# Enable every enterprise to become an intelligent, sustainable enterprise

Intelligent, sustainable enterprise

**Industry-specific
end-to-end processes**

Business process transformation

Enterprise resource management
Spend management
Human capital management
Customer relationship management

Business network   Industry cloud   Experience management   Planning

Business technology platform

App dev   Automation   Integration   Data and analytics   AI

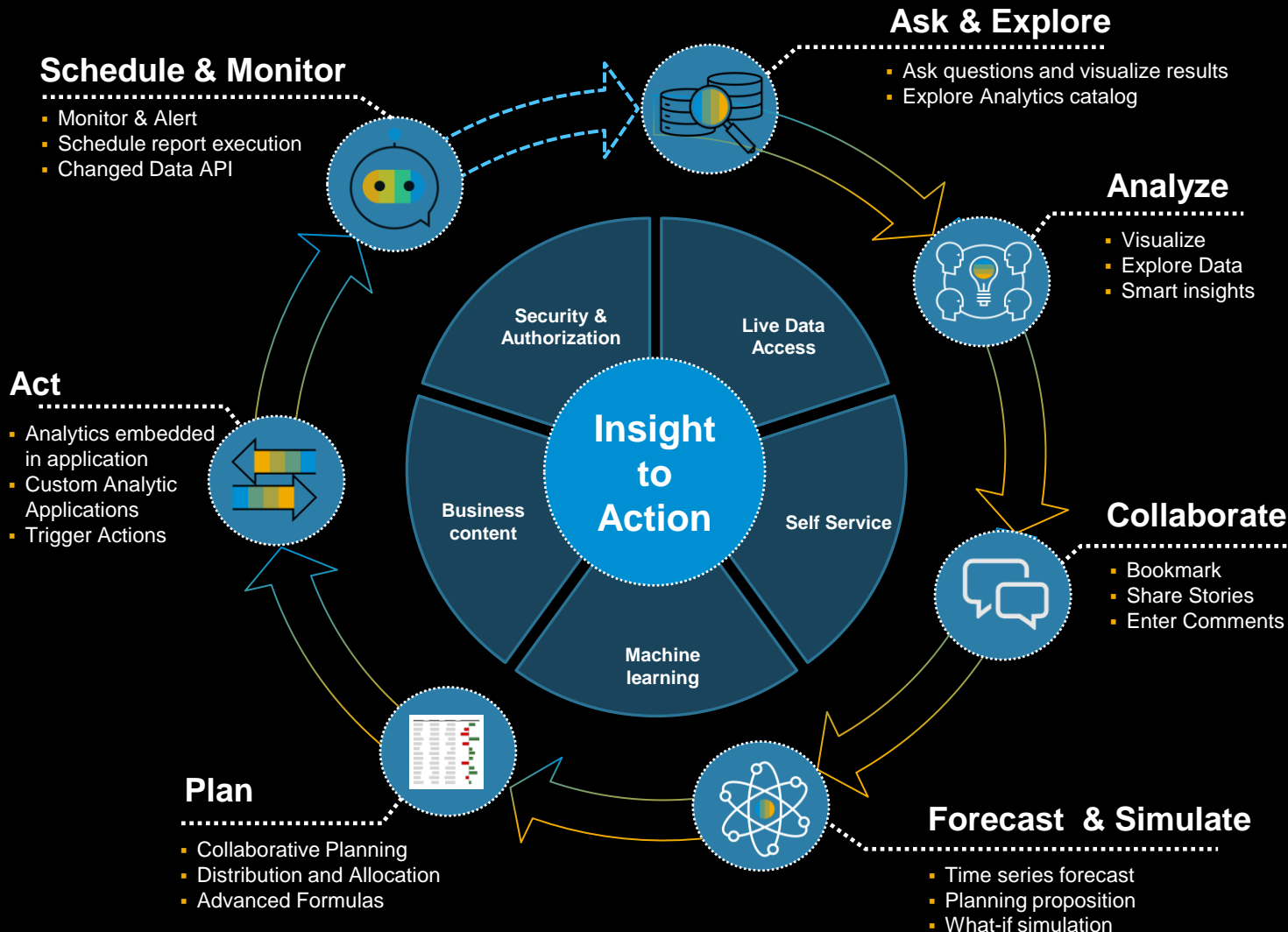# SAP Business Technology Platform (SAP BTP) is the foundation of the intelligent, sustainable enterprise

Intelligent, sustainable enterprise

Industry-specific end-to-end processes

Enterprise resource management
Spend management
Human capital management
Customer relationship management

Business technology platform

Create personalized experiences that instantly work with SAP applications

Build faster with business context to meet change with agility

Run with confidence on a trusted, enterprise-grade platform

App dev	Automation	Integration	Data and analytics	AI
Build and innovate	Optimize and automate	Connect and simplify	Give data purpose	Infuse intelligence

Business technology platform

Data-to-Value

Volume		Quality		Usage		Value
Data of any size	X	Data of any kind	X	Data for anyone	=	

- **SAP HANA Cloud**
- SAP HANA
- SAP ASE, SAP IQ

- **SAP Data Intelligence**
- **SAP Data Warehouse Cloud**
- SAP BW/4HANA
- SAP HANA for SQL data warehousing

- **SAP Analytics Cloud**
- SAP BusinessObjects Business Intelligence suite
- SAP Business Planning and Consolidation

Data and analytics solutions as foundational elements of SAP BTP

SAP Business Technology Platform

Total Spend Analytics	Workforce Planning & Analysis	Customer Insights	People Analytics	Financial Planning & Analysis
SAP Ariba	SAP Fieldglass	SAP Customer Experience	SAP SuccessFactors	SAP S/4 HANA

SAP Analytics Cloud
- Business Intelligence
- Enterprise Planning
- Augmented Analytics

SAP Data Warehouse Cloud
- Self-Service Modelling & preparation
- Data Spaces
- Semantics
- Data Marketplace

SAP HANA Cloud
- Data Storage
- Multi-model engines
- Data Federation Replication
- App Development

Lifecycle Management · Machine Learning · Security & Authorization · Data Privacy & Protection

SAP Data Intelligence

SAP & Non-SAP
- 3rd Party Data Lakes
- SAP Applications
- Non-SAP Applications
- Unstructured Data
- Streaming Data

LOB users · Business users/ Analyst · Data Modeler/ Engineer · Developers & Experts

4+1 · aws · Azure · Google Cloud · SAP

Support closed-loop decision making
SAP data and analytics solutions

Ask & Explore
- Ask questions and visualize results
- Explore Analytics catalog

Schedule & Monitor
- Monitor & Alert
- Schedule report execution
- Changed Data API

Analyze
- Visualize
- Explore Data
- Smart insights

Act
- Analytics embedded in application
- Custom Analytic Applications
- Trigger Actions

Security & Authorization

Live Data Access

Insight to Action

Business content

Self Service

Machine learning

Collaborate
- Bookmark
- Share Stories
- Enter Comments

Plan
- Collaborative Planning
- Distribution and Allocation
- Advanced Formulas

Forecast & Simulate
- Time series forecast
- Planning proposition
- What-if simulation

- Increase agility with analytics and planning in one solution
- Utilize the full context of real-time SAP data
- Deliver high-performance analytics at scale
- Automate insights with machine learning
- Quickly compose specialized analytic apps
- Deliver analytics closer to the point of decision
- Connect financial and operational plans seamlessly integrated with SAP applications

SAP Analytics Cloud

Decisions without Doubt

SAP Analytics Cloud

Drive agile decisions

- Instantly move from insight to action
- Simulate any scenario for better outcomes
- Automatically generate plans from predictions

Derive unique insights

- Utilize the full context of SAP data
- Bring analytics closer to the point of decision
- Accelerate projects with prebuilt SAP business content

Create bleeding edge analytics

- Automate insights with machine learning
- Quickly compose specialized analytics apps
- Deliver high-performance analytics at scale

SAP Analytics Cloud

Catalog
Centralized Portal

Mobile
iOS & Android

Digital Boardroom	Stories	Analytic Applications	MS Office Integration

Analytic Capabilities

Business Intelligence	**Augmented Analytics**	**Enterprise Planning**
Data Exploration	Conversational Analytics	Planning and Forecasting
Dashboards & Visualizations	Automated Analytics	Collaboration and Workflows
Enterprise Reporting	Predictive Analytics	Predictive Planning

Platform

Data connectivity	Data preparation	Data models	Auditing & Monitoring	Content Translation	Lifecycle Mgmt	Collaboration	Scheduling	APIs & SDKs

SAP Cloud Platform

Cloud Data Sources and Applications

3rd party Data Sources and Applications

Business Intelligence

Empower business users and analysts with the agility of self-service BI
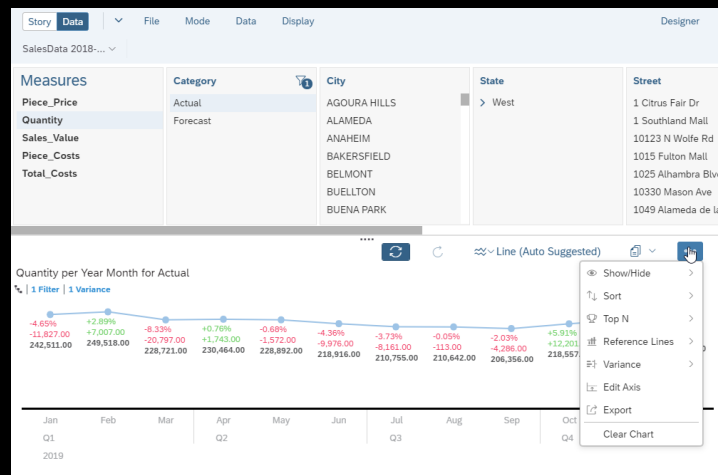
Data Analysis & Exploration

Allow users to intuitively explore entire data sets to better understand initial patterns and points of interests.

Dashboards & Visualizations

Deliver stories to end users that enable them to discover, analyze, plan, and predict all in one seamless user experience.
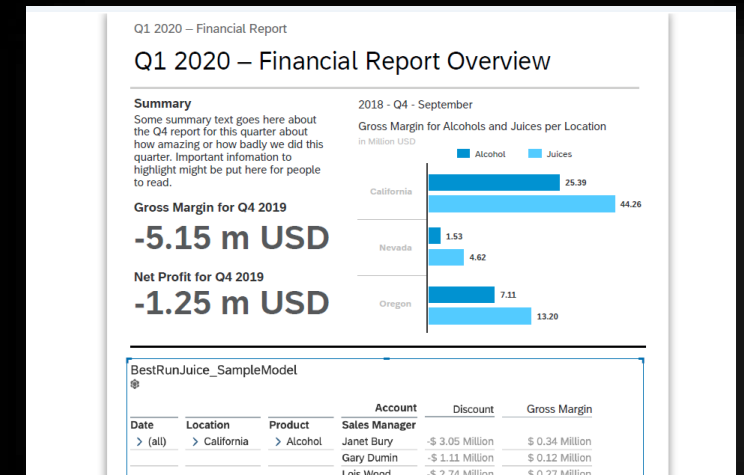
Enterprise Reporting

Design multi-page reports with sections, dynamic fields, tables and charts; schedule publications to SAC and non-SAC recipients.

Dashboards & Visualizations

Design and deliver stunning, interactive enterprise dashboards across all lines of business

- Extensive visualization library, geo maps powered by ESRI and custom R visualizations

- Define custom calculations, calculated dimensions, aggregations and more

- Display variance, dynamic text, custom tooltips, CAGR and more

- Easily comment, collaborate and share content via document link with other users

Enterprise Reporting

Design reports and distribute to the workforce on-demand or scheduled

Report Formatting
- ✓ Multi-page reports
- ✓ Dynamic label fields, relative positioning
- ✓ Report sections, headers and footers
- ✓ Paginated export to pdf and pptx
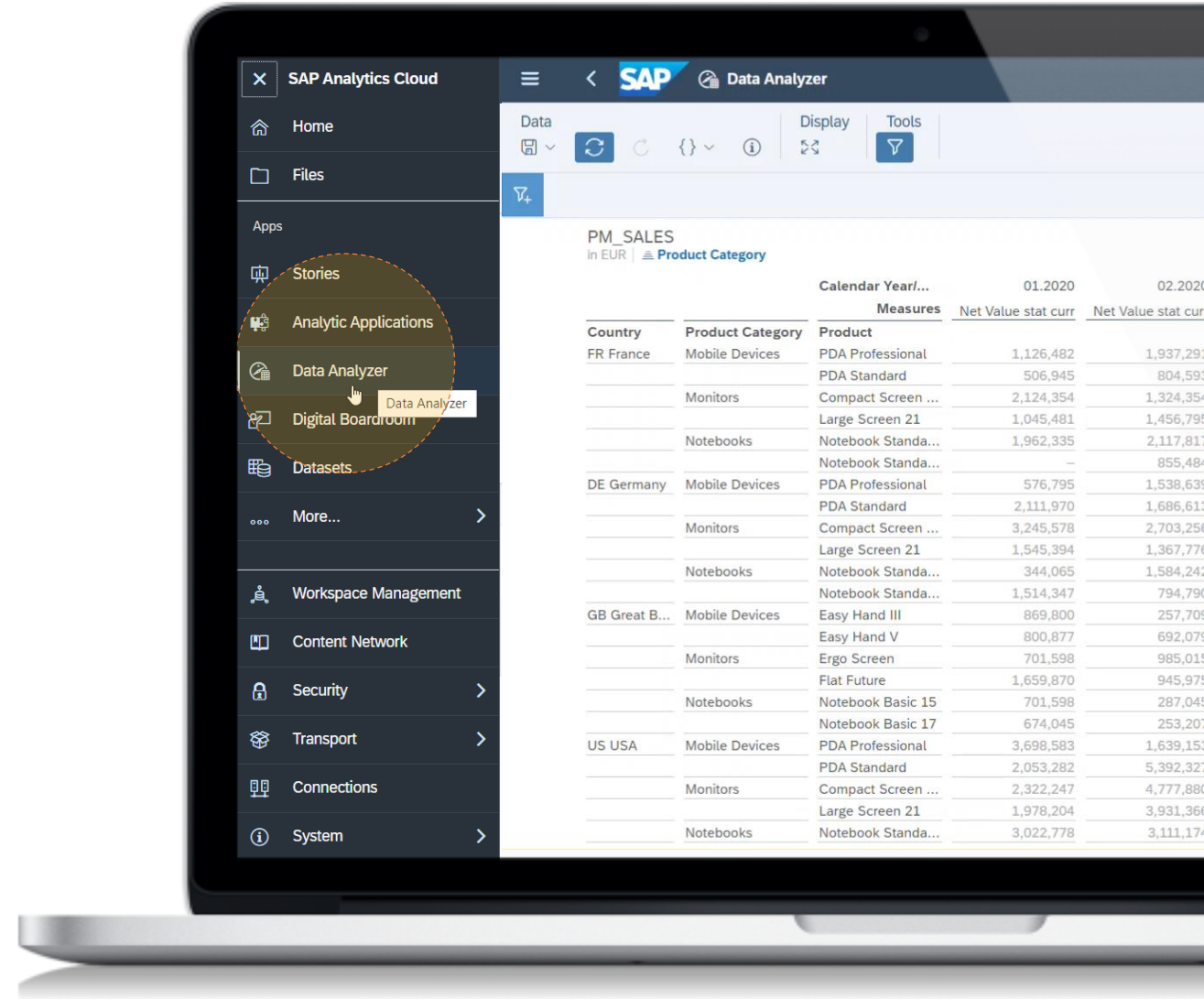
Report Delivery
- ✓ Schedule and distribute reports to SAC and non-SAC recipients
- ✓ Burst personalized content to SAC recipients based on recipient authorization
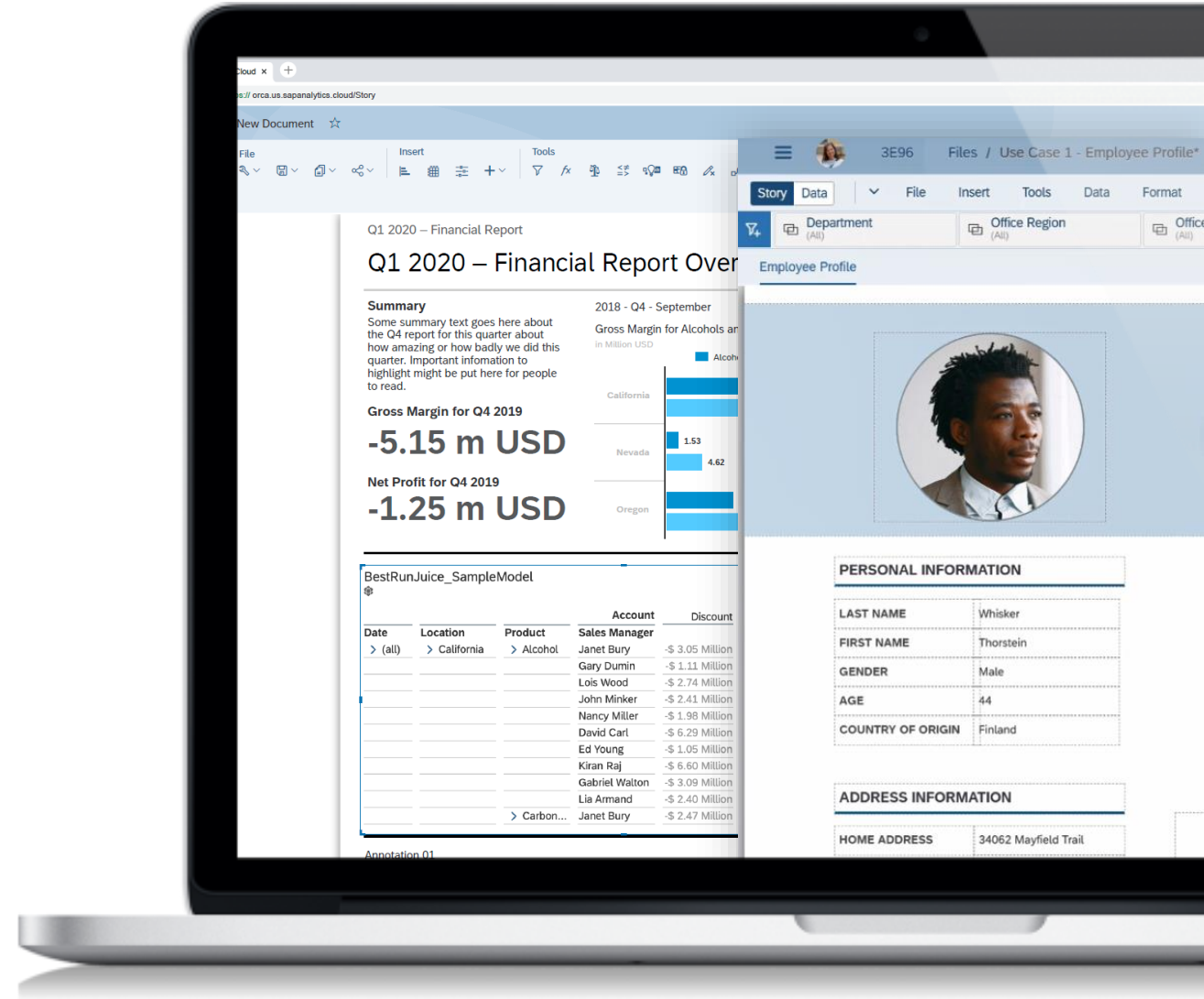
Data Analyzer

Query your data directly and perform ad-hoc analysis in a pivot-table style analysis view

- Supports SAP BW Live queries, SAP HANA Live views and SAP Analytics Cloud models

- Users can find a list of recent insights on the Data Analyzer start page

- Open an existing Insight or discover new insights by starting a new data exploration

What-If Analysis

Simulate "what-if" scenarios to test possible outcomes and make more confident decisions

- Perform what-if visually with widgets and value driver trees, or within a table

- Simulate from top to bottom or bottom to top

- Simulate questions like:
  - What if you increase discount by 20%?
  - What if you hire more staff?
  - What if costs of goods increased?

Video

Parkland

Parkland Health and Hospital System
Enhancing Critical Decision-Making in the Emergency Room

4
Weeks to build the COVID-19 Command Center dashboard with SAP Analytics Cloud and SAP HANA

24x7
Real-time insights on ER volumes, bed utilization, and supply inventory

10
Large screen digital displays with SAP Digital Boardroom and near-real-time data for a critical one-glance solution

"Our dashboards using SAP Analytics Cloud powered by SAP HANA have helped our clinical staff at Parkland deliver **better patient outcomes**. By efficiently managing ER volumes, our ED physicians are **serving more** patients each day and ultimately **saving more lives**."

Scott Harrison
VP IT and Chief Data Officer, Parkland Health & Hospital System

Augmented Analytics

Make smarter and faster decisions with automated insights powered by machine learning

Conversational	Automated Insights	Automated Discovery	Predictive Analytics
Search to Insight	Smart Insights & Forecasting	Smart Discovery	Smart Predict
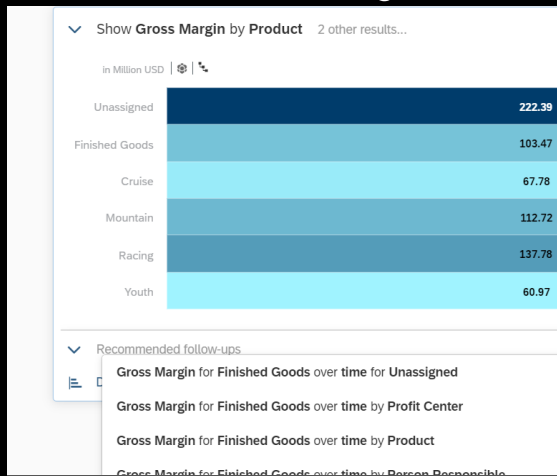
Ask questions conversationally and SAP Analytics Cloud finds and visualizes your answers
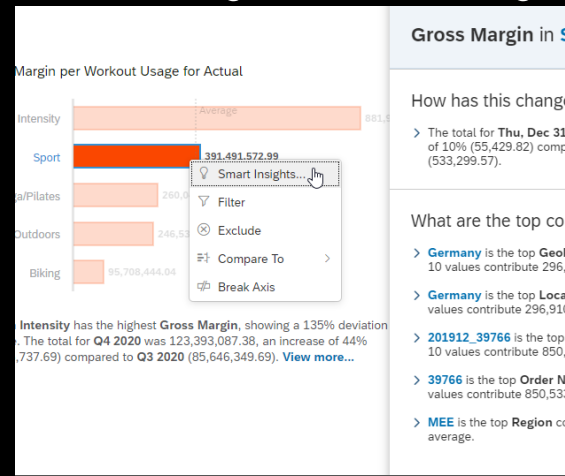
Automatically add forecasts and find top influencers in your data, shown in natural language

Automatically generate stories that reveals trends, relationships, patterns, and outliers in your data
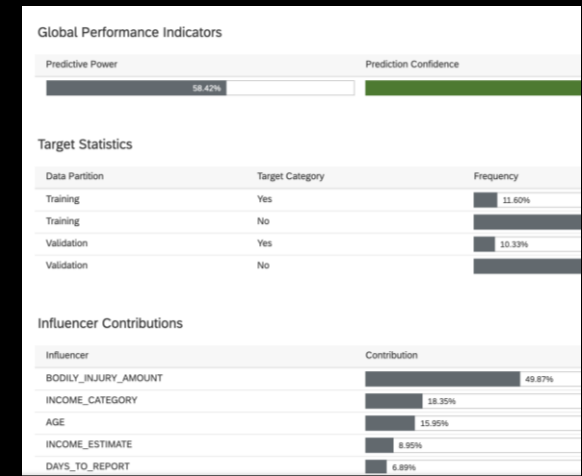
Run regression and classification scenarios, and generate forecasts without data scientists

Information Worker ← → **Citizen Data Scientist**

BI, Predictive and Planning – Better Together

Vision

Plan
What should happen

Visualize and
Model

Forecast

Value

Reporting
What has happened

Prediction
What could happen

DATA

DATA

Today   Today
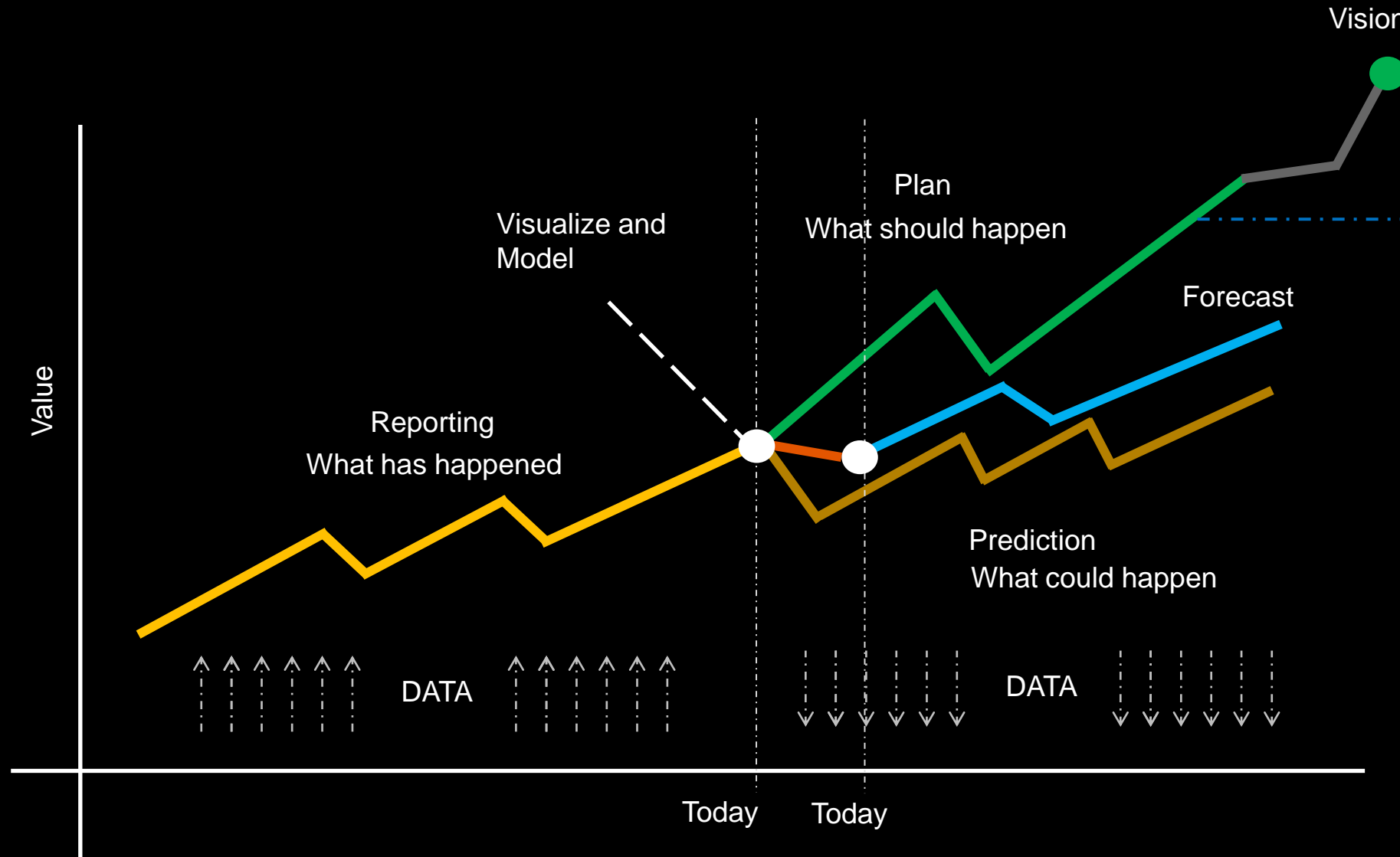
EquiRatings
Blurring the Lines of Technology and Tradition with SAP Analytics Cloud

50x
speed of predictive model development

100
new countries engaged

10
Olympic teams

"Equestrian sports have been limited in the past–data is an element to be added to help people make informed decisions through data.

Sam Watson, EquiRatings
Chief Strategy & Co-Founder

Customer Story

Analytic Applications

Fulfill unique and advanced use cases and workflows with analytic applications built with Analytics Designer

- Develop analytic applications that bring together BI, Planning, and Predictive capabilities

- Start from existing content, reuse user stories widgets, customize, integrate and extend

- Guide the users and adjust the widgets behavior based on their expectations
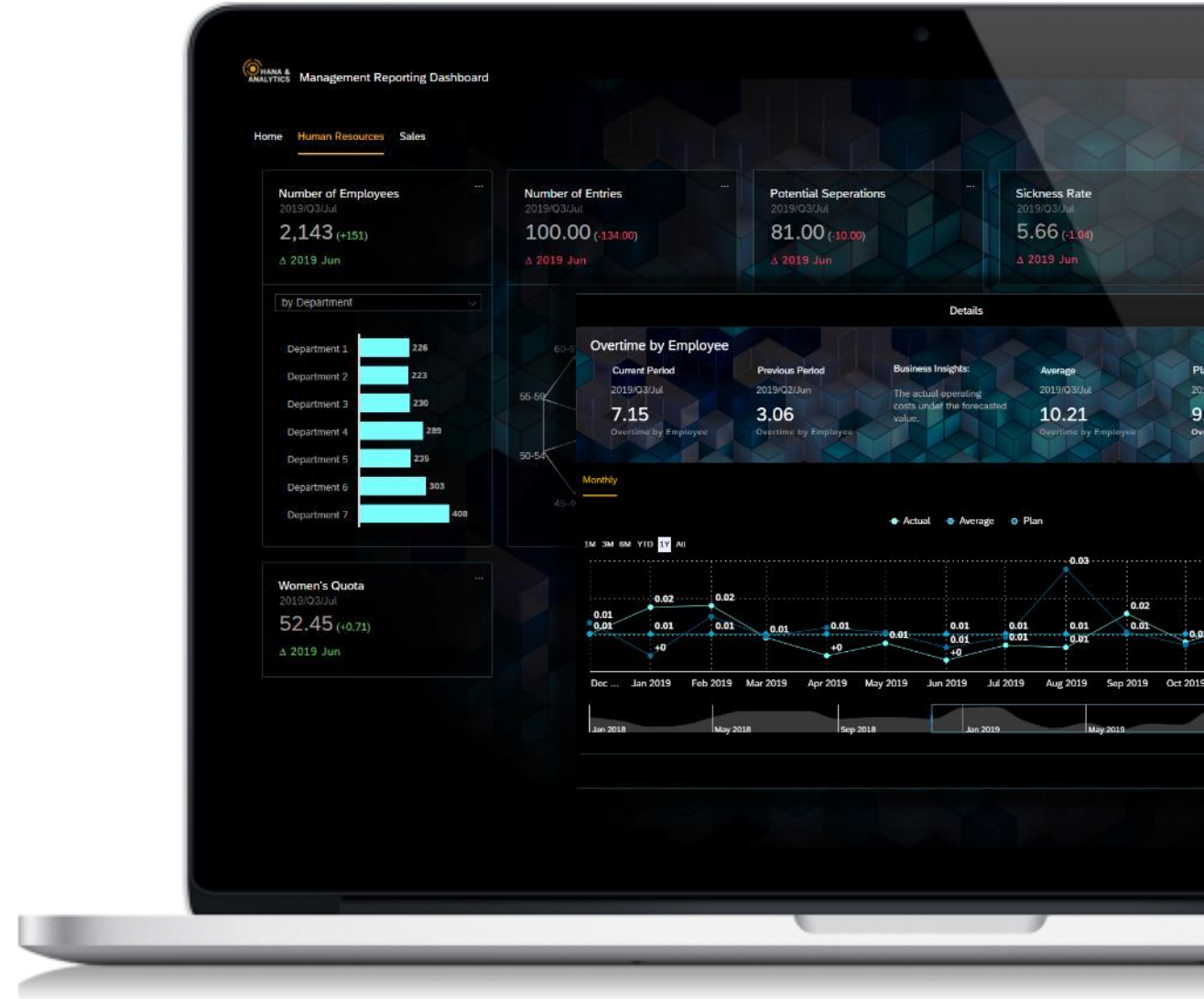
SAP Analysis for Office

Leverage the familiar Excel interface with SAP Analytics Cloud for reporting and centralized planning

- Design formatted reports in Excel

- Analyze acquired data and live data from BW, BW/4HANA, HANA, and S/4HANA via SAP Analytics Cloud connections

- Available with SAP Analytics Cloud subscription
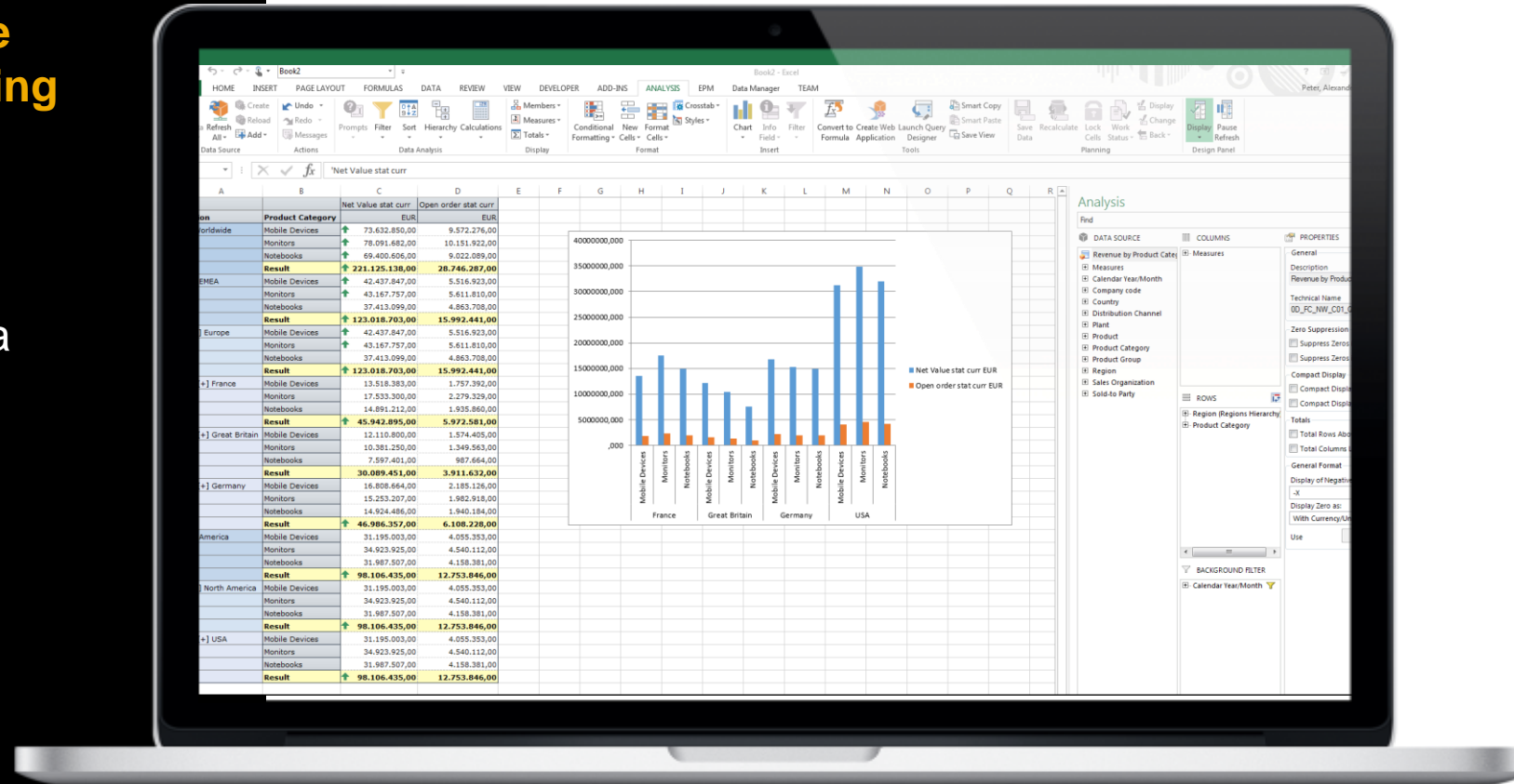
SAP Analytics Cloud Mobile

Stay informed and connected to your analytics, any time, any place with SAP Analytics Cloud Mobile App

- View your analytics from your iOS and Android devices

- Build stories with responsive layout and view from desktop or device

- Native mobile experience allows you to interact with your content intuitively and with ease

- Supports single-sign-on for easy access to analytics on mobile
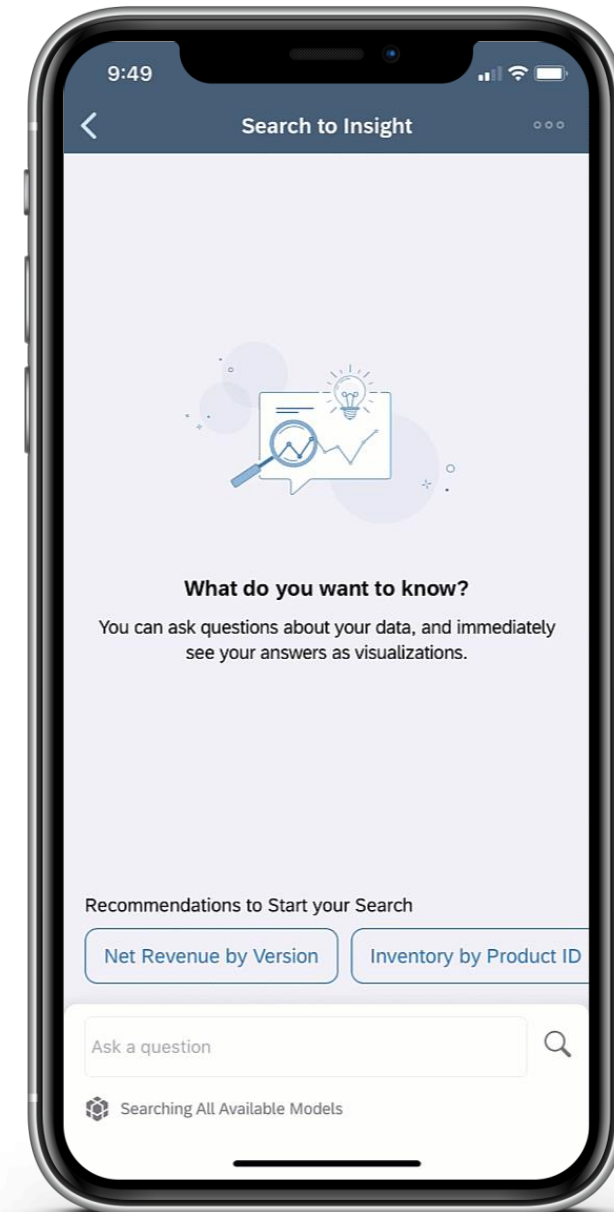
Analytics Catalog

Increase productivity and raise user adoption of key analytics by simplifying access to analytics

- Centralize access to all analytics across your organization

- All analytics including SAP, non-SAP, cloud or on-premise can be added to Analytics Catalog

- Display analytics with consistent business & technical metadata

- Included in all SAP Analytics Cloud licenses
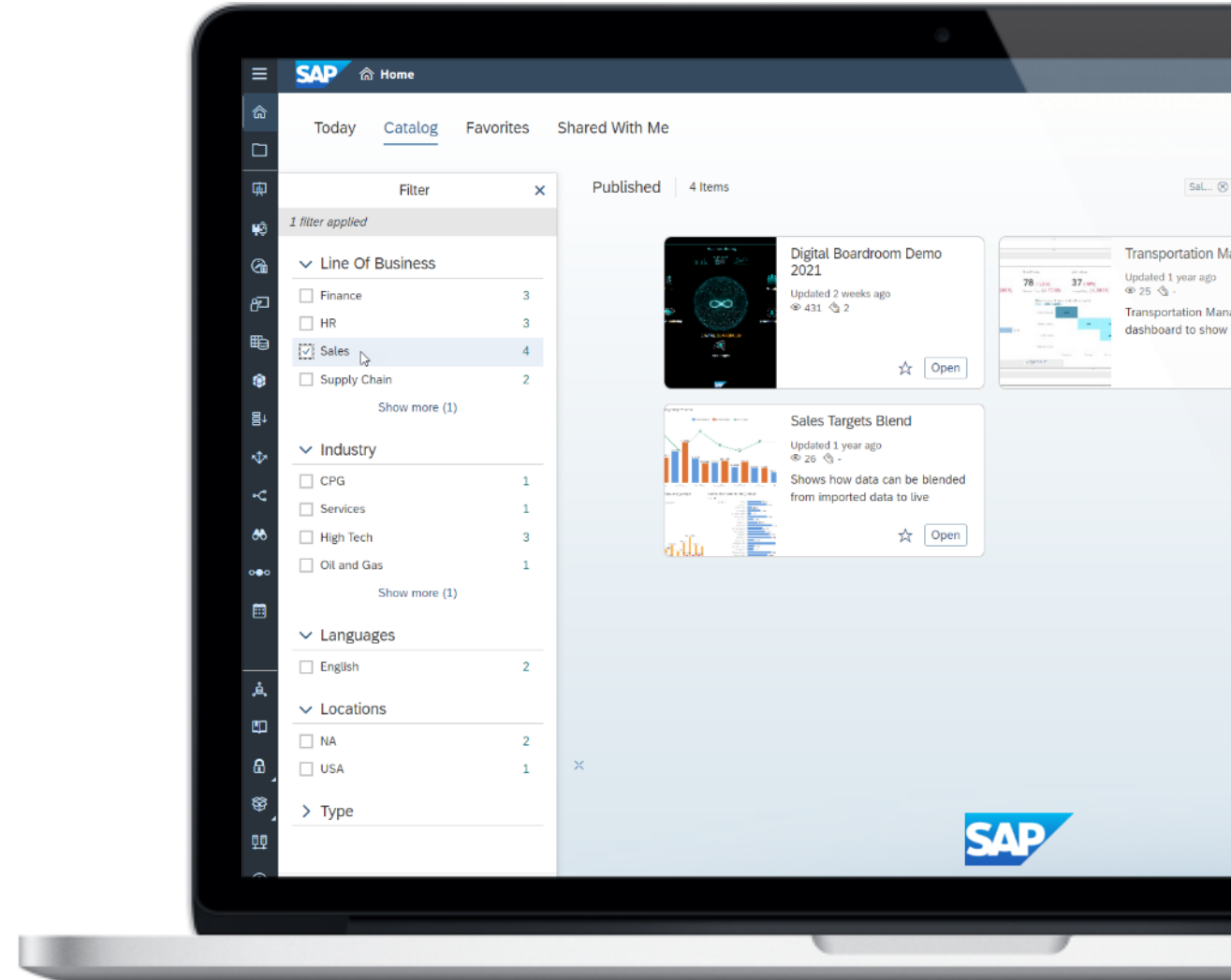
Collaboration

Increase engagement, and accountability with built in collaboration capabilities
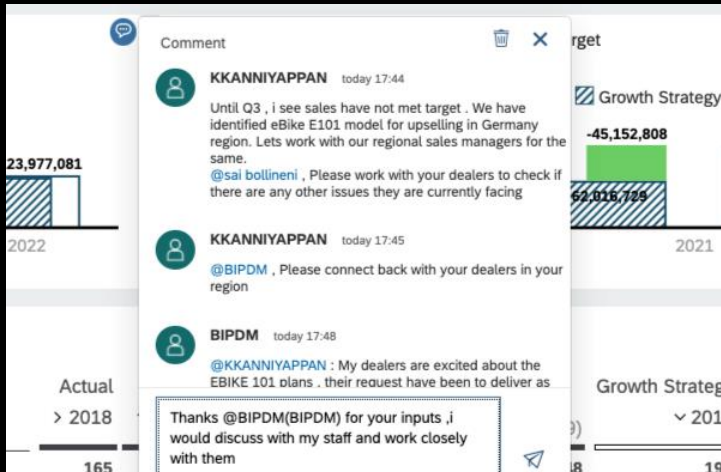
Commenting

Comment on stories, applications and event specific data point table cells. Like, reply, address other users as @UserName
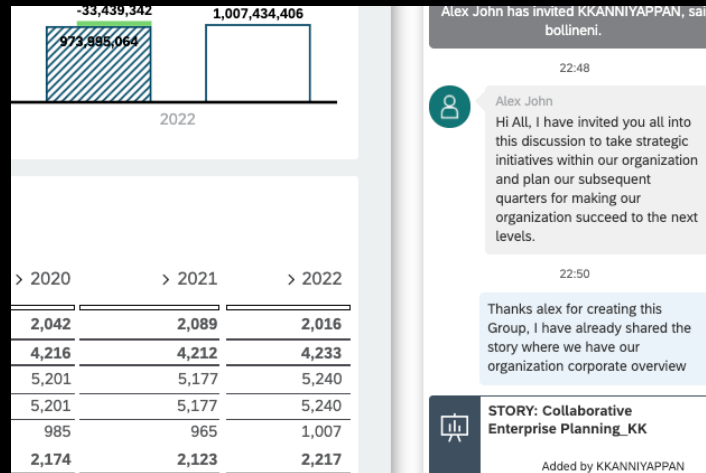
Discussions

Start discussions on your analytics to collaborate with other SAP Analytics Cloud users and teams, on the desktop or on your mobile device.
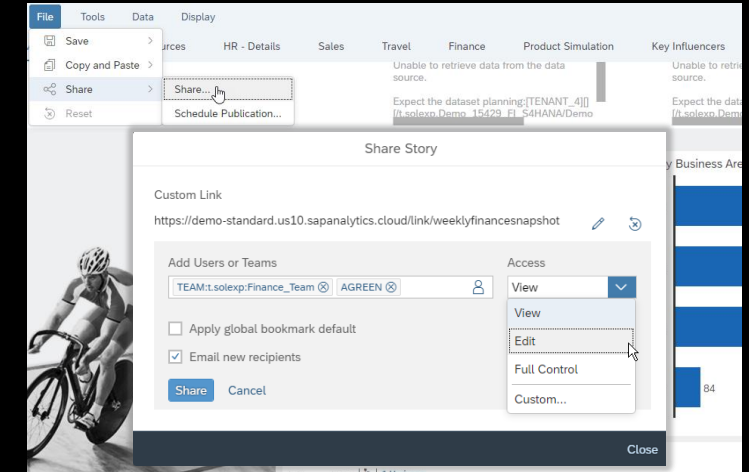
Sharing

Easily share private or public stories and bookmarks to any SAP Analytics Cloud user or team via a customized link.

SAP Analytics Cloud LoB Embedded Status
Status as of January 2022 – Product Plans are Subject to Change

SuccessFactors HCM Suite

Core HR	Learning	Planned Future
Talent Mgt	Payroll	Planned Future
Commissions		
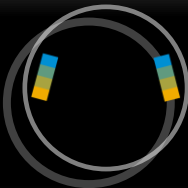
Customer Experience

aka CX

| Marketing | Commerce |
| Sales | Service |
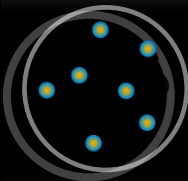
S/4HANA Cloud

All Modules

Spend
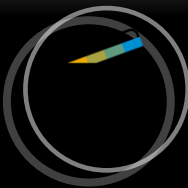
Fieldglass*	Concur	GA planned H1 2022
Ariba Network (Buyers)	Ariba Network (Suppliers)	GA Planned Q4 2021
	Ariba Apps	LA/Beta planned Q4 2021

*Limited Availability

SAP Analytics Cloud
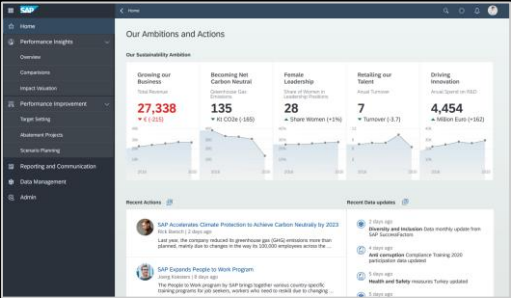
SAC Embedded Status

- Available
- Planned
- Not Planned

What is Business Content on BTP?

SAP BTP Business Content are pre-packaged objects/templates encompassing best practices that can be deployed as part of a specific SAP BTP service, to jump start customer implementations
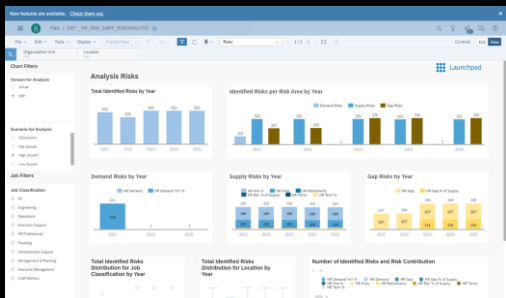

Initial Scope

SAP Process Automation (iRPA Bots, Workflows)

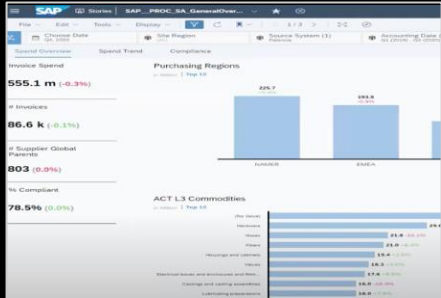BI / Planning (SAC / DWC) Templates

Integration Packs (e.g. iFlows)

Integrated Financial Planning

Sustainability Control Tower

Workforce Planning

Spend Analysis

E.g., Financial Planning & Analysis takes 6 Months to deliver when started from scratch as compared to 2-4 Weeks when using business content – 6X accelerated time to value
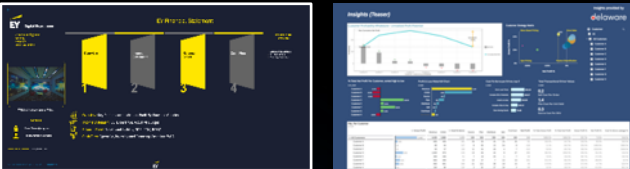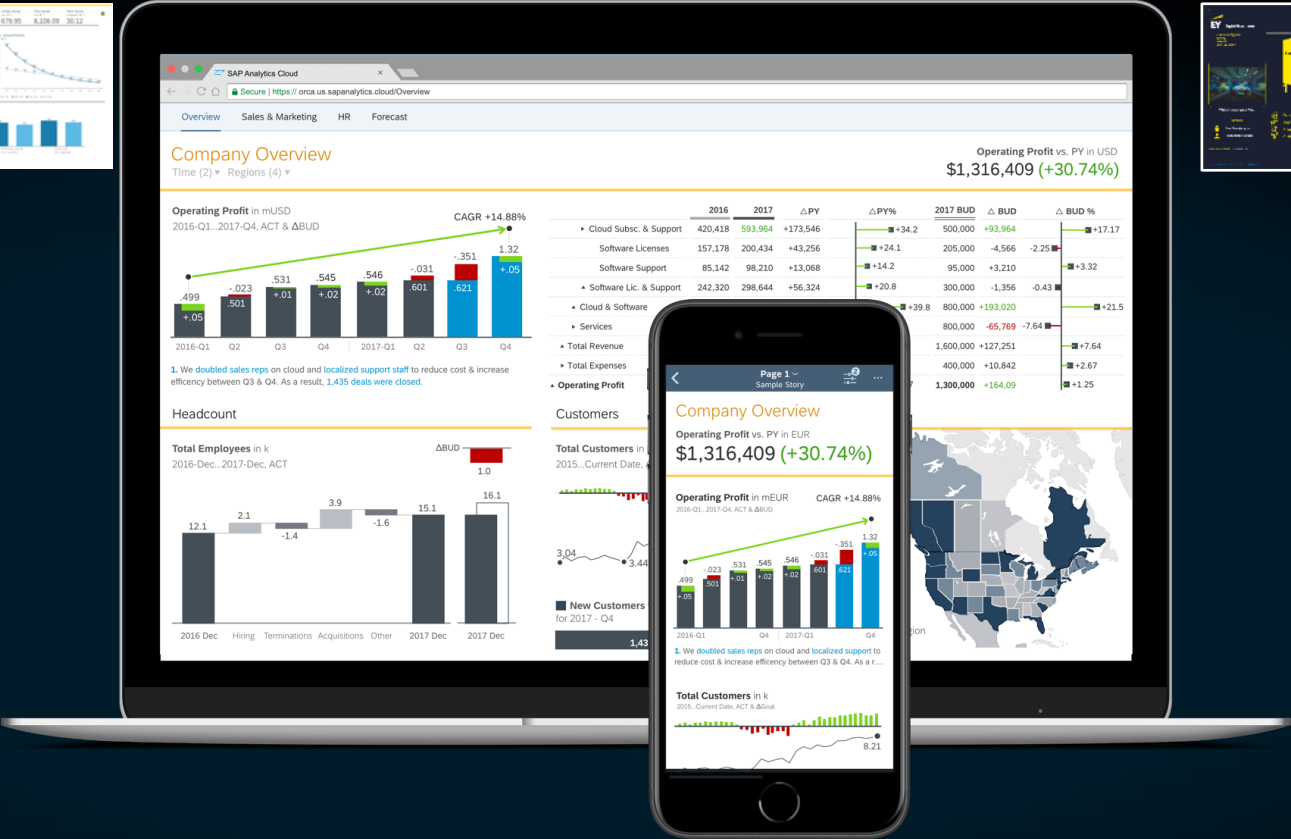
More Info: SAP Business Content Blog | SAP API Business Hub | SAP Analytics Content | SAP iRPA Store

Enterprise Analytics: 225 Industry and LoB Content packages
enabled by SAP Analytics Cloud
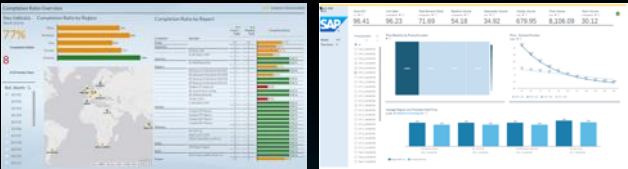
•130 Packages by SAP

- ▪ SAP S/4HANA
- ▪ SAP SFSF
- ▪ SAP Concur
- ▪ SAP Ariba
- ▪ Planning
- ▪ etc..

•95 Packages by Partners

- ▪ SAP data sources
- ▪ Non-SAP data sources

Accelerate your Enterprise Analytics projects with pre-built analytics from SAP and our Partners

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

Basler Verkehrs-Betriebe (BVB): Transparent Financial Planning reduces workload for Controllers and strengthens business.

- SAP Analytics Cloud allowed single-year planning to be optimized within months due to pre-defined Business Content for integrated financial planning in SAP S/4HANA including business scenarios enhanced with specific requirements.

- Ability to analyze and plan the profit and loss statement directly in SAP Analytics Cloud and execute actuals to SAP S/4HANA

- Faster insights into the composition of costs and fewer errors due to the elimination of shadow systems.

- Easier interdepartmental coordination and real-time corporate control

> 130 million passengers annually

> 15K planning objects

> 350 planning users

The combination of SAP Analytics Cloud and SAP S/4HANA is a keystone of our digital finance transformation and provides the competitive advantage we need to stay innovative.

Hans-Peter Günter - Controller/ Project Manager BVB

Picture Credit | Basler Verkehrs-Betriebe, Basel, Switzerland. Used with permission.

Why SAP Analytics Cloud?

► **Analyze, predict and plan** all in one unified user experience

► **Connect live** to cloud and on-premise data sources and break down data silos

► **Make confident decisions** with automated insights powered by machine learning

► **Collaborate with ease;** add discussions, comments or share content on desktop or mobile

► **Innovate rapidly** with new innovations and features automatically added every quarter

► **Scale flexibly** to support users & enhance capabilities without increasing IT costs

► **Cloud software-as-a-service** solution fully hosted and maintained by SAP

Outlook on SAC BI future investments

DWC Integration

DWC models as 1st class citizen in SAC, extending federated access to additional sources

Embedded in all SAP Core Apps

Deep embedding of SAC in S/4HANA, C/4HANA, Fieldglass, Ariba, Concur, etc

Enhanced support for Live Sources

Provide the very best live analysis capabilities and greater functional parity for HANA, BW, S4, HANA Cloud

Data Exploration

Data Analyzer as THE one exploration experience with integration into story workflow, catalog & chart support

Performance & Usability

Optimized Story Designer & Analytics Designer, Story Designer Performance Advisor, Lightweight viewer

Enterprise Readiness

Administration Cockpit, Enhanced collaboration with bursting and commenting, Accessibility with Theming & keyboard support

Thank you

SAP Analytics Cloud

Visit the Community

Explore our Roadmap

Experience for Free

Get Started