

A photograph of a person in a light blue shirt writing on a document at a wooden desk. Another person in a dark shirt is in the background, gesturing with their hand. The image has a blue tint.

MINDSET

Experience the Human-Centered Enterprise

November 2022

Embedded to Extended Analytics

Presented by Marcelo Berger

MINDSET

Mindset Product Strategy

We are an SAP UX Consulting company

bringing together **experience**, our **people**, **technology** and **accelerators**

- Finding solutions with Design Thinking at the core
- Delivering experience with integrations and digital platforms
- Using Accelerators (Mindset's pre built software)

to help you prepare, build, develop your digital transformation on SAP.



Today's Agenda

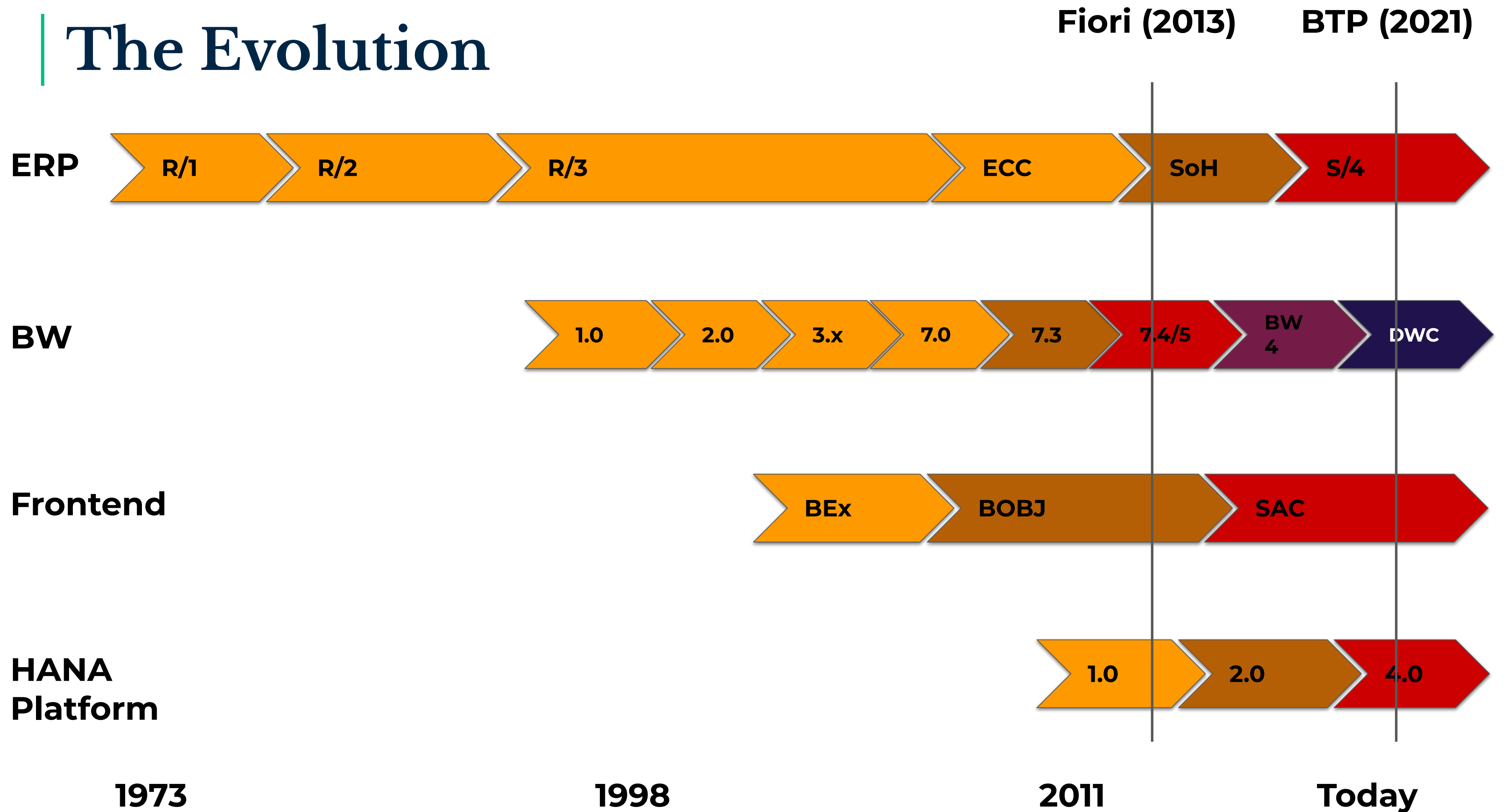
- A Brief History
- BTP & Analytics
- Typical Landscape
- S/4 Embedded Analytics
- SAC
- Q&A



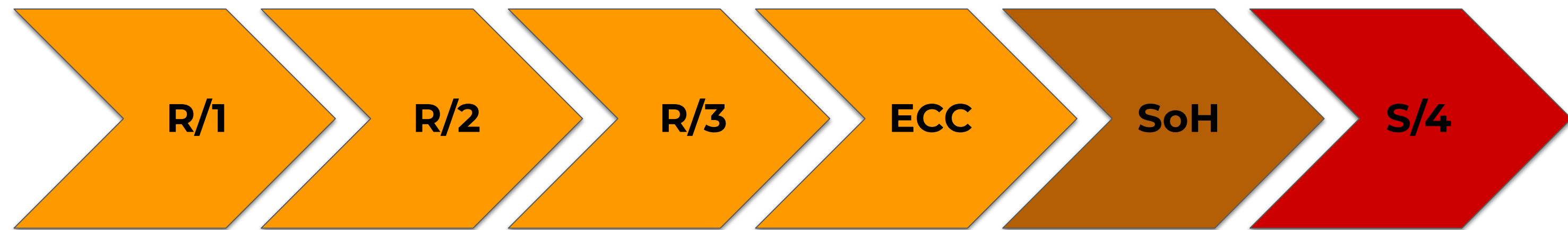
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The Evolution



Evolution of SAP ERP



ECC on
HANA

Core
applications
simplified

1973

1979

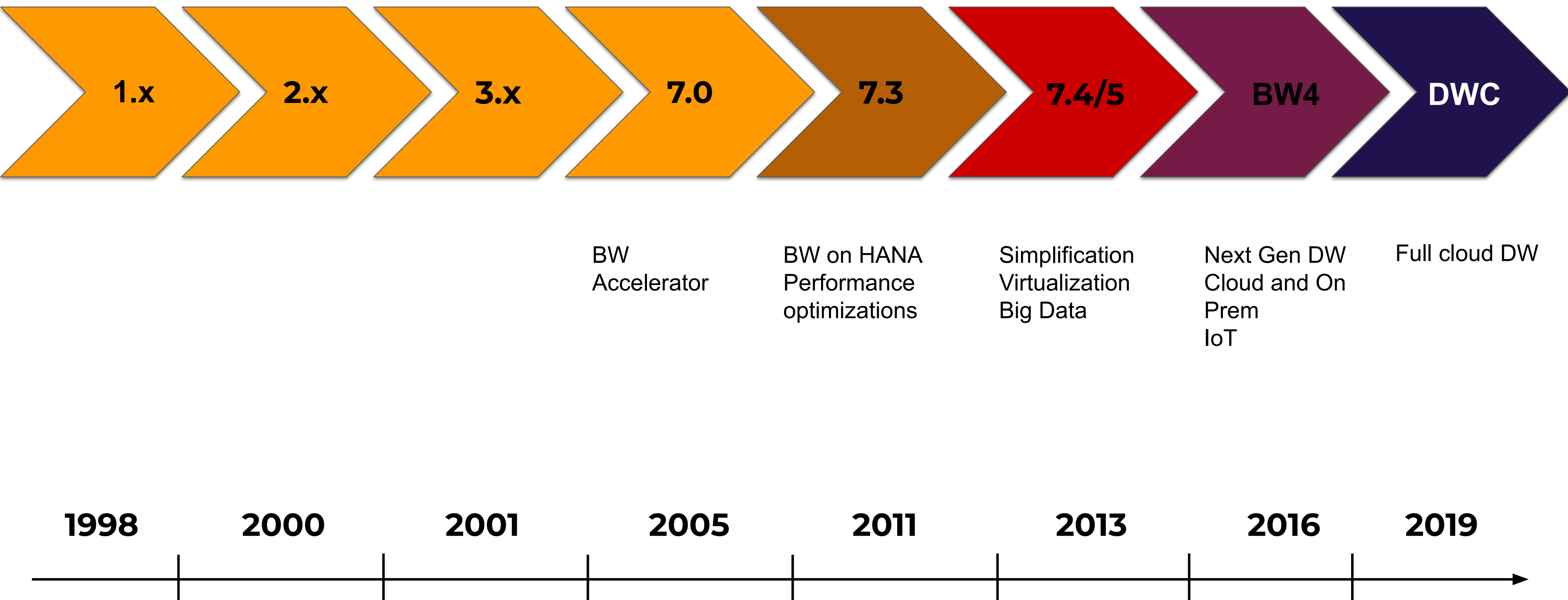
1992

2004

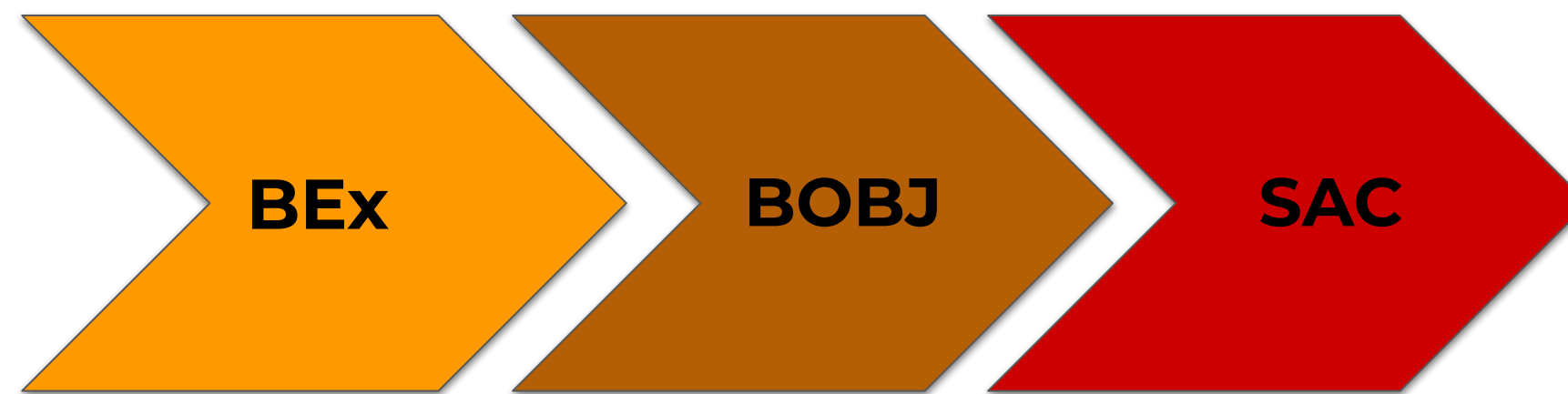
2013

2015

Evolution of SAP BW



Evolution of Frontend Tools



SAP acquires BOBJ in 2008
Renames SAP Business Objects

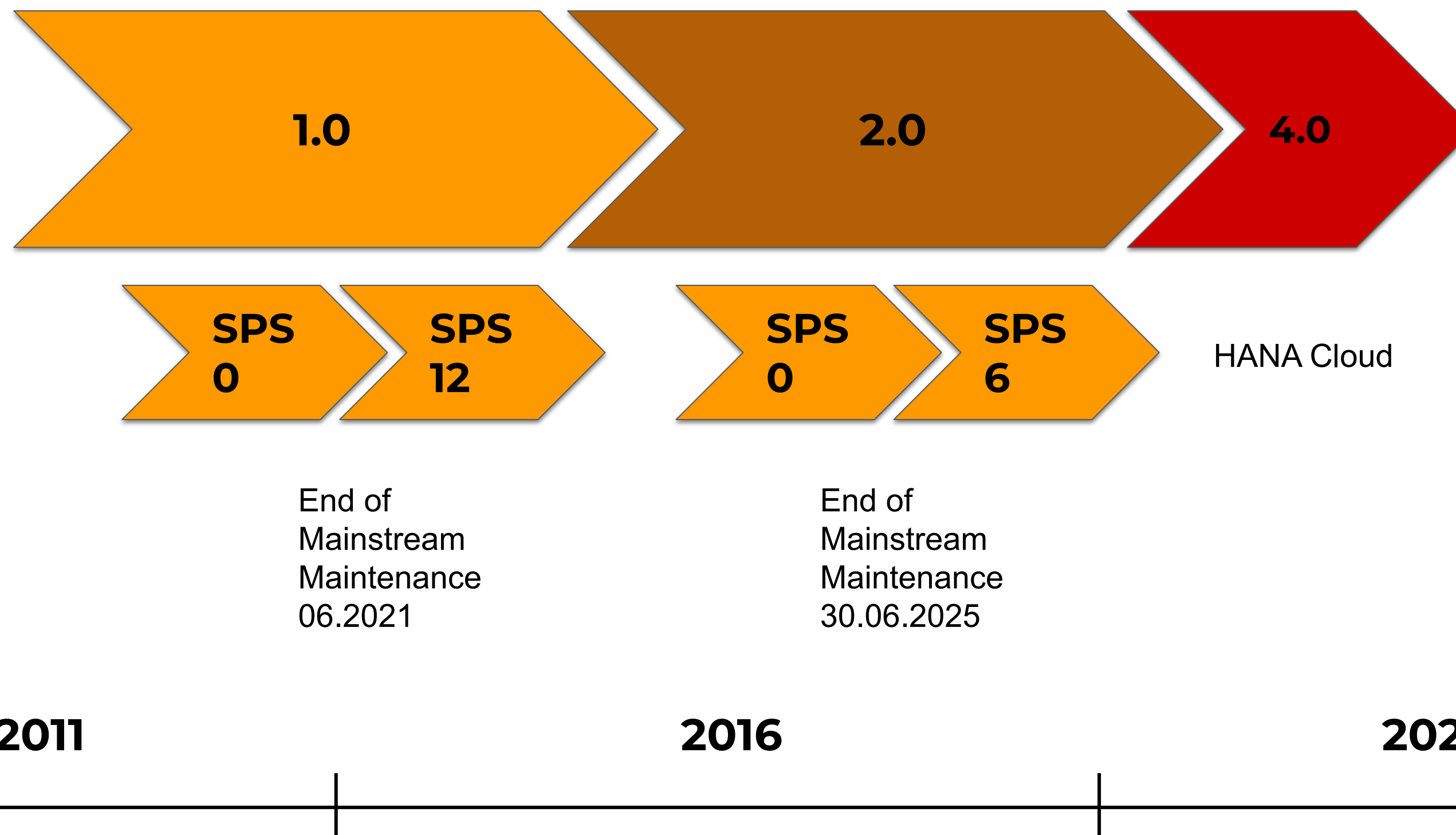
BOBJ Cloud is released in 2015
Later rebranded to SAP Analytics Cloud

2003

2008

2015

Evolution of HANA Platform

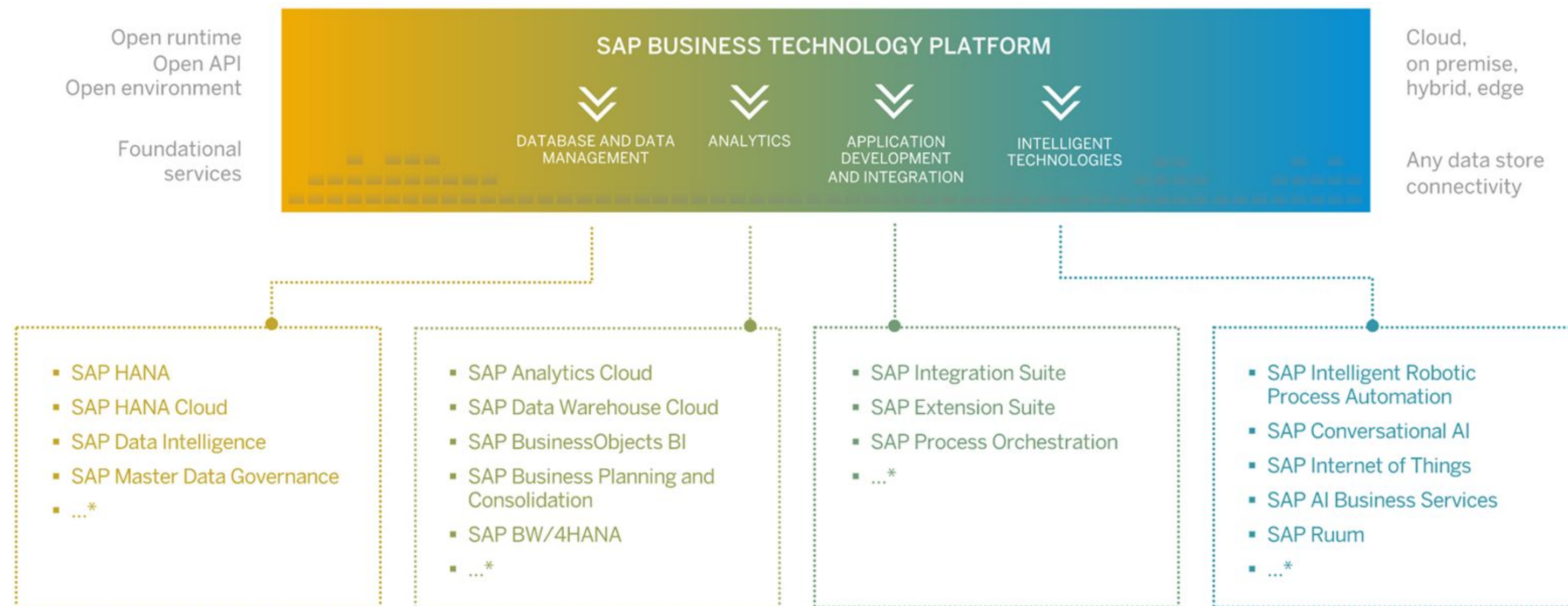




Today's Agenda

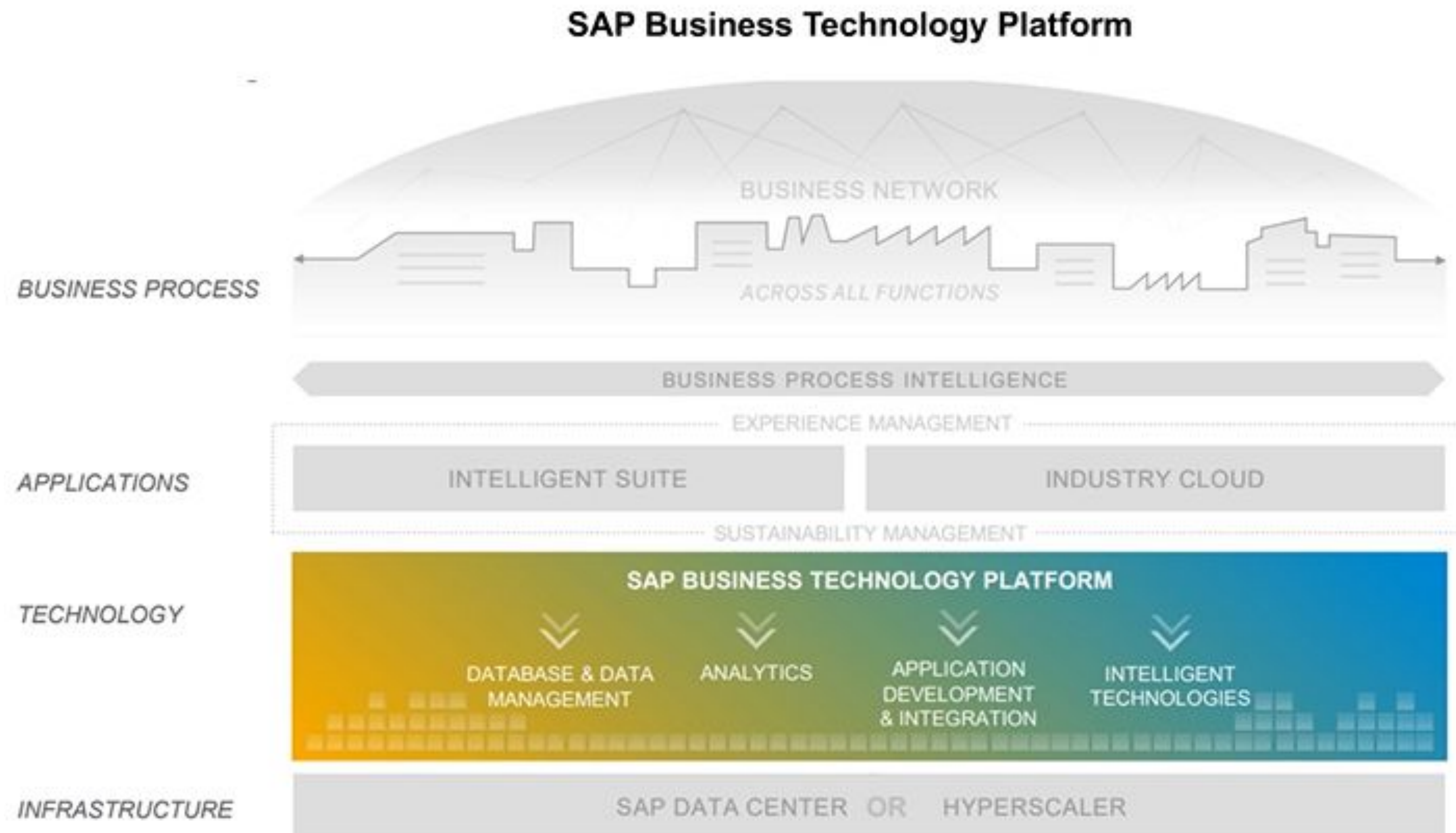
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SAP Business Technology Platform (BTP)



* Representative list; not exhaustive not inclusive of all offerings

BTP Within the Intelligent Enterprise



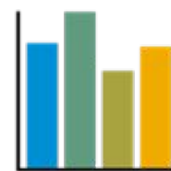
BTP - Data & Analytics

SAP BTP – Data & Analytics



DATABASE AND DATA MANAGEMENT

Capture, manage,
and **govern** your data
to drive better business
outcomes



ANALYTICS

Analyze all your data to
accelerate **insights** and
transform the data you have
into the answers you need



APP DEVELOPMENT AND INTEGRATION

Integrate and **extend**
applications – build new
ways to access and
interact with your data



INTELLIGENT TECHNOLOGIES

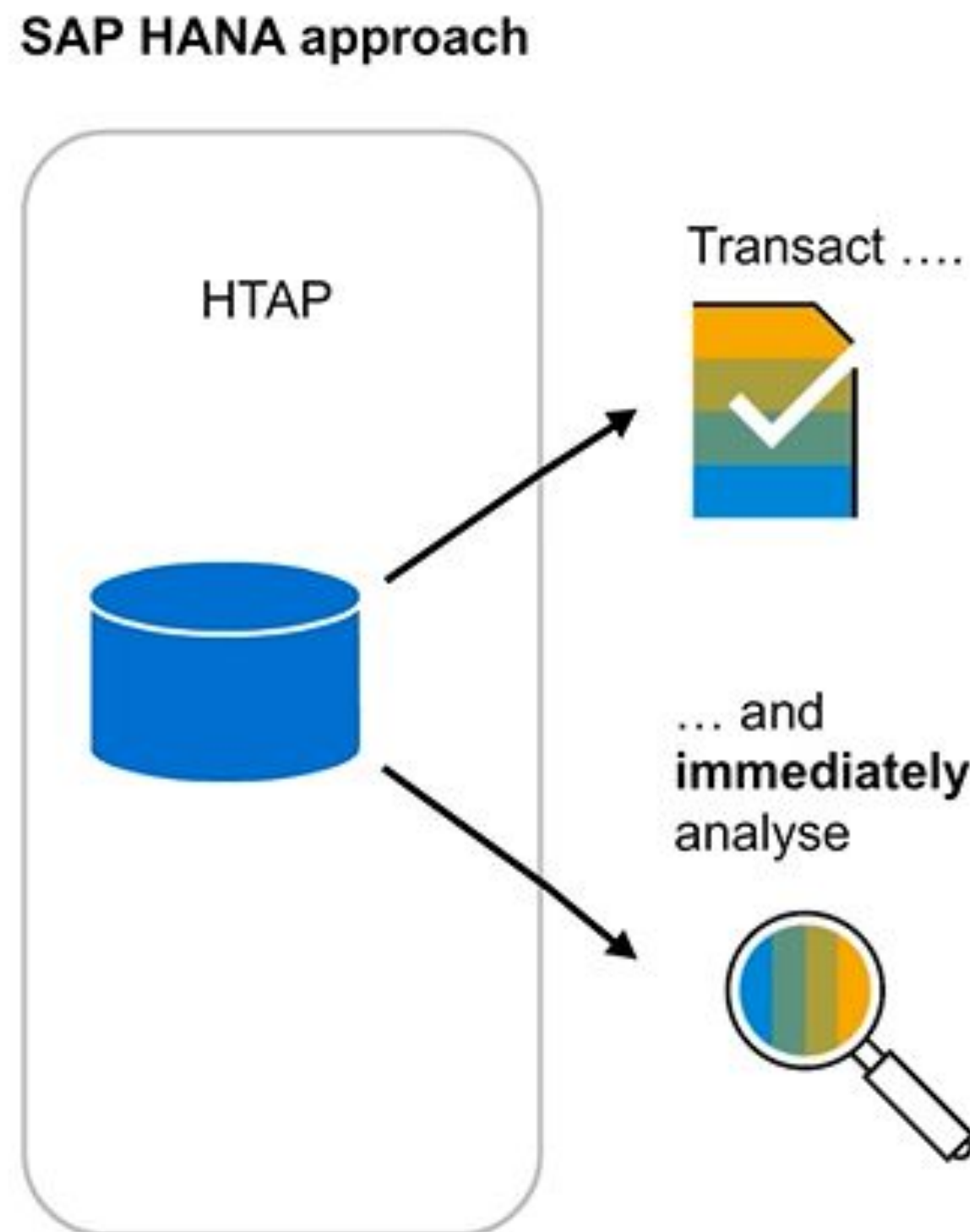
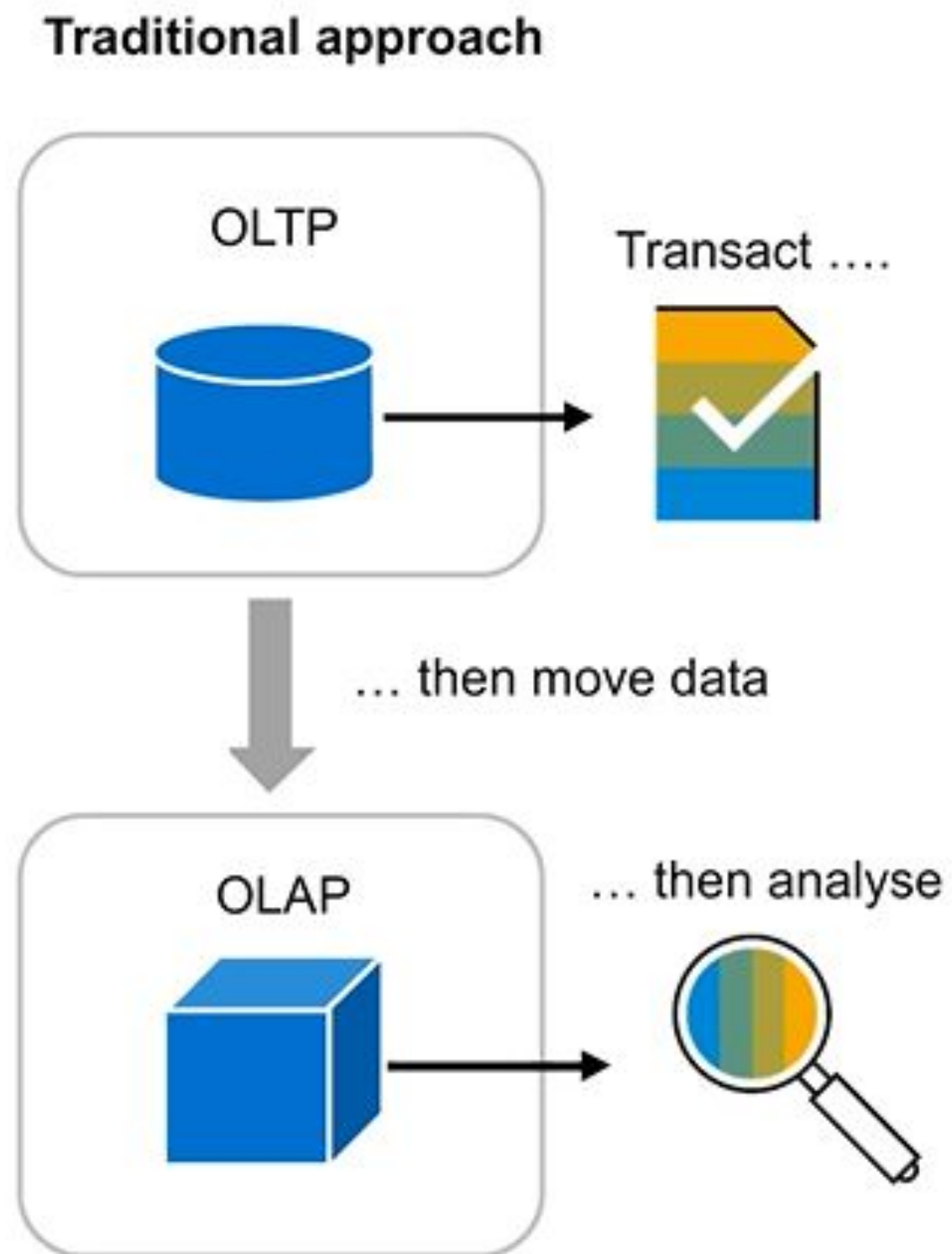
Data is the fuel
propelling intelligent
technologies forward –
optimizing processes,
and igniting **innovation**



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Typical Landscape



OLTP

On-Line Transaction Processing

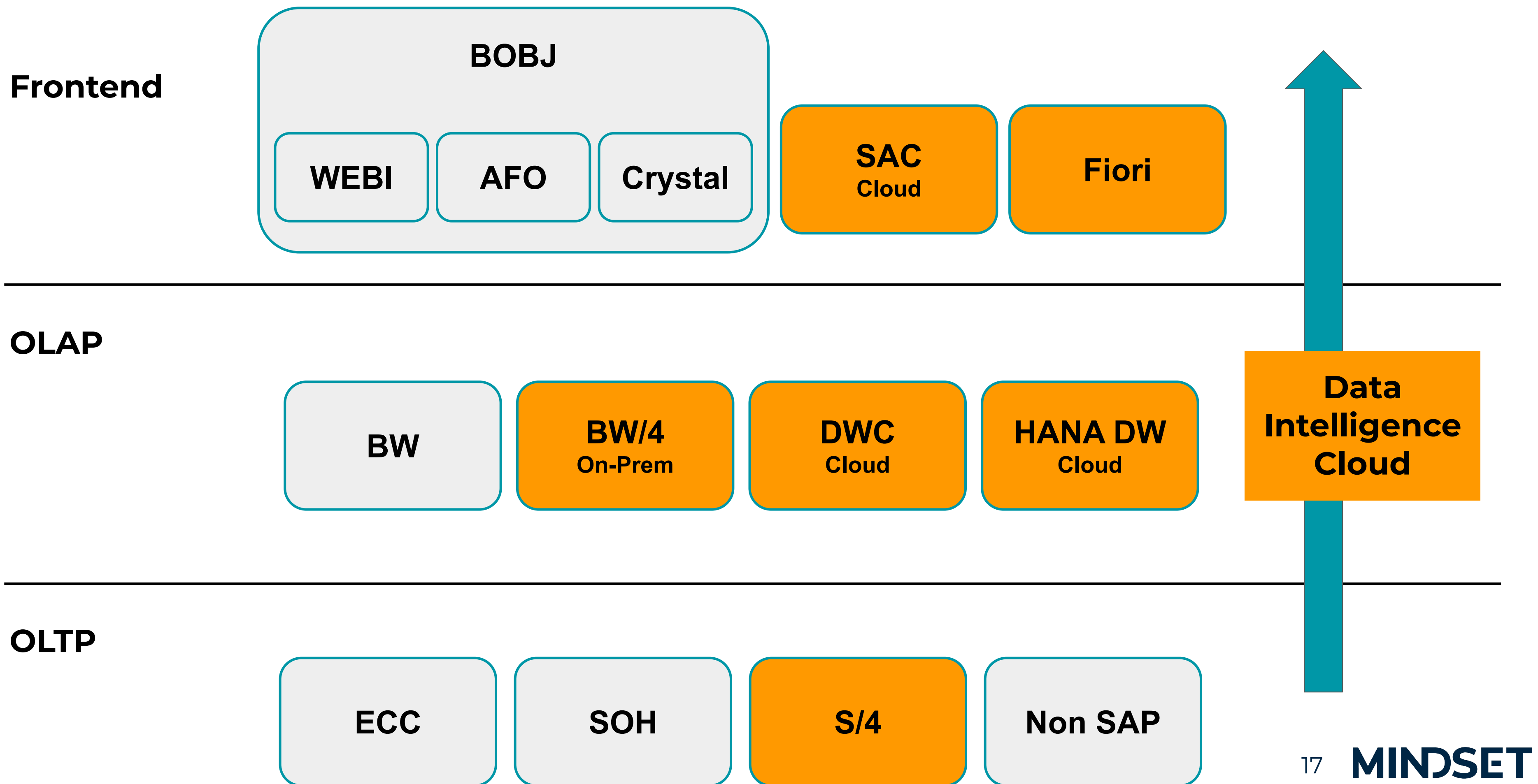
OLAP

On-Line Analytical Processing

HTAP

Hybrid Transaction Analytical Processing

Typical SAP Landscape - Analytics in BTP

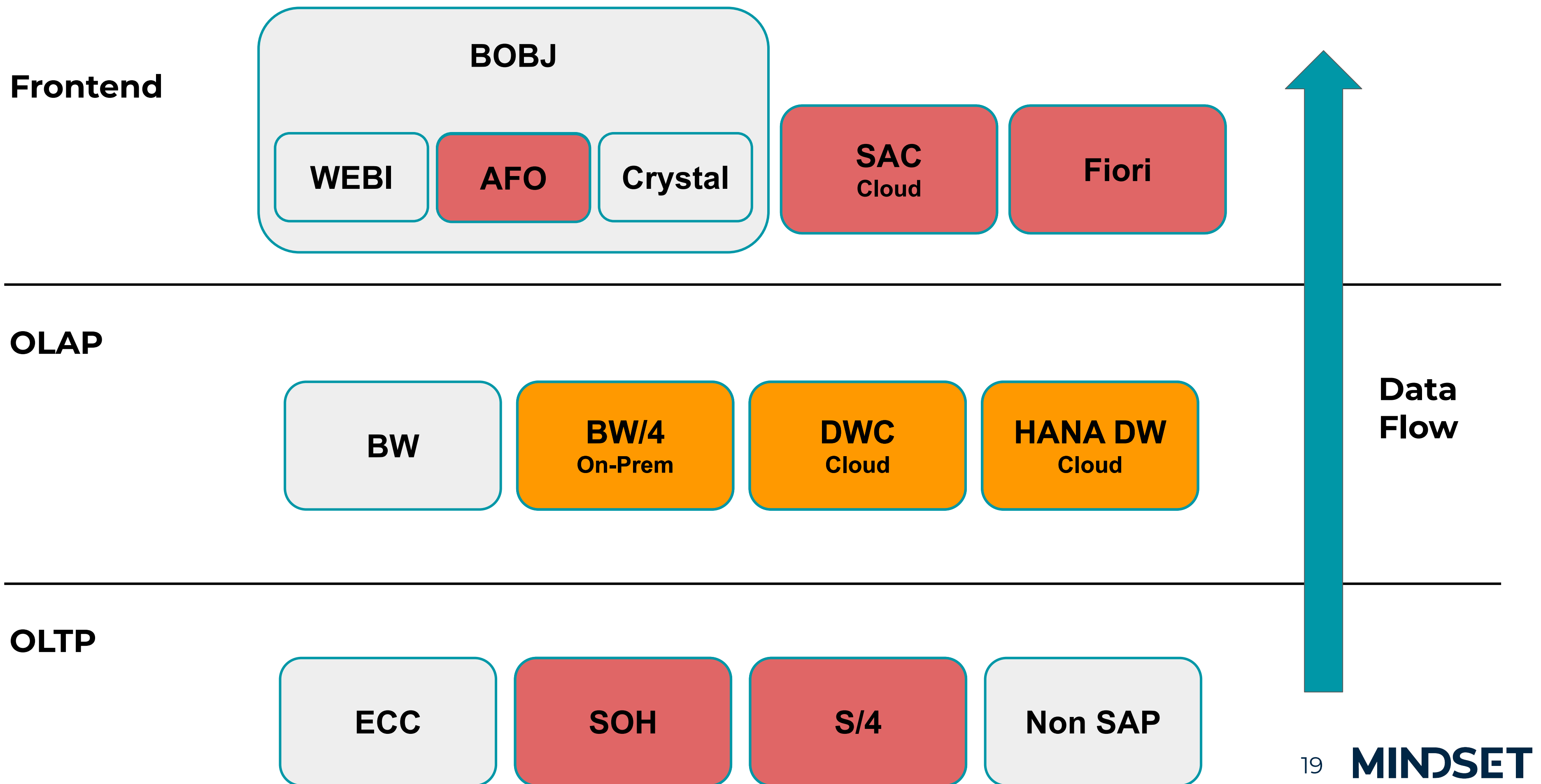




Today's Agenda

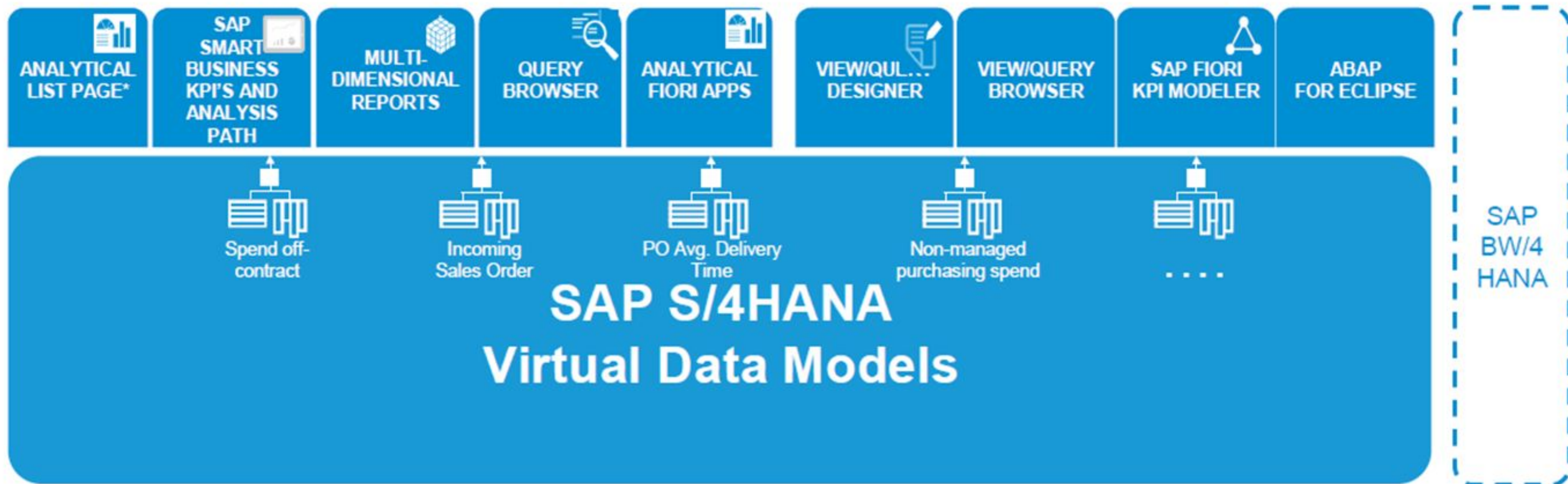
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Typical SAP Landscape - Embedded Analytics

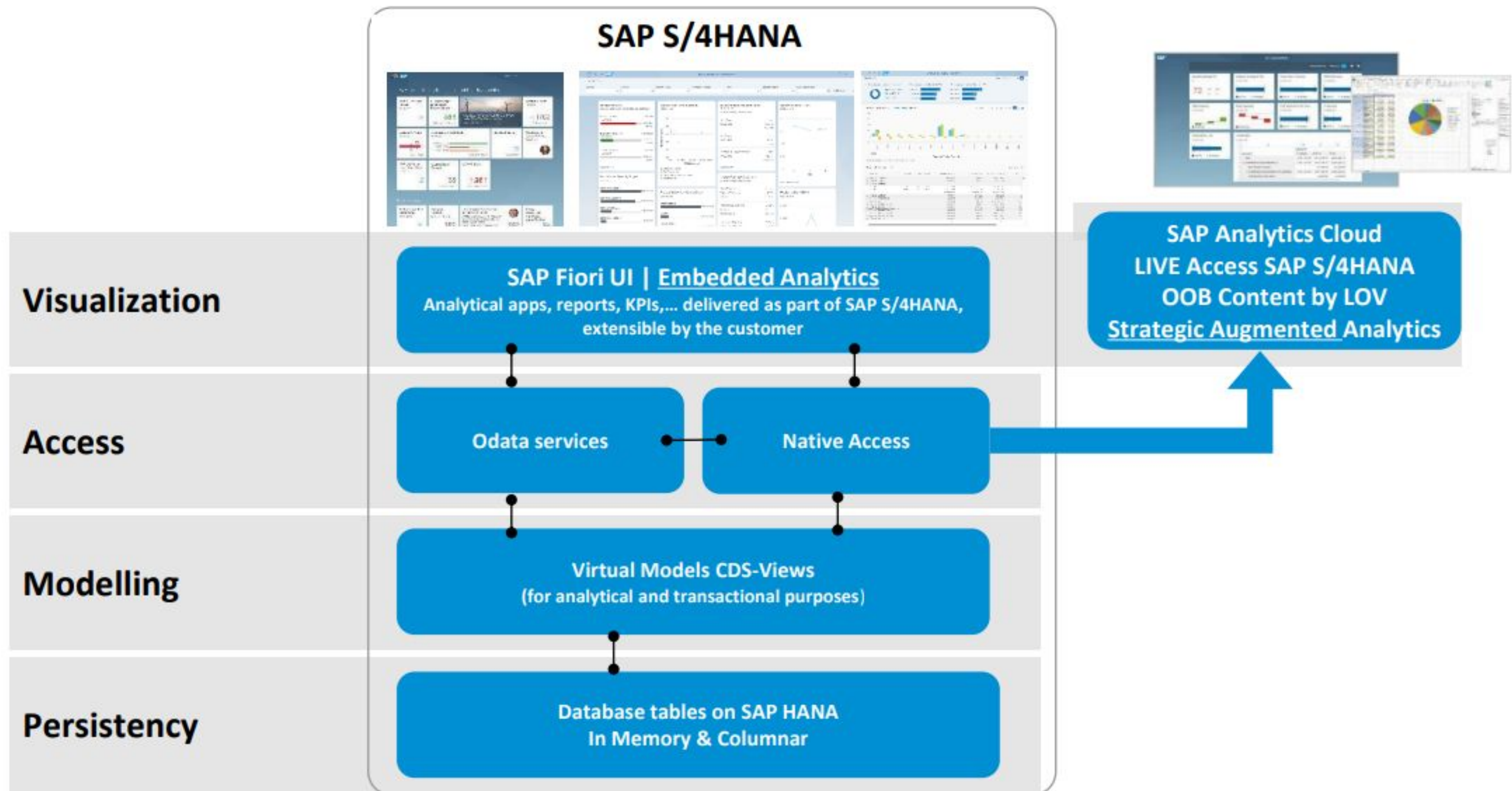


S/4 Embedded Analytics + Fiori = Translytics

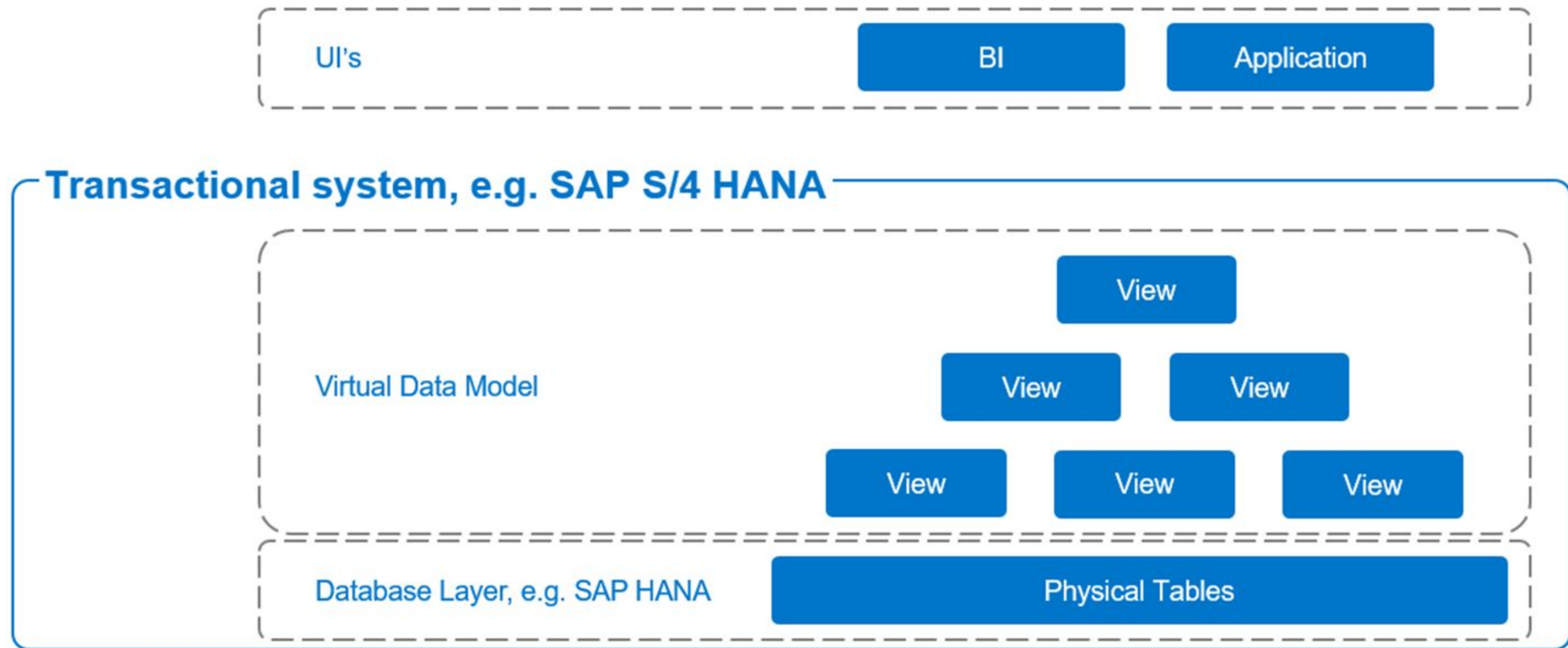
Other SAP Analytics products: e.g. SAP Analytics Cloud (SAP Leonardo), etc.



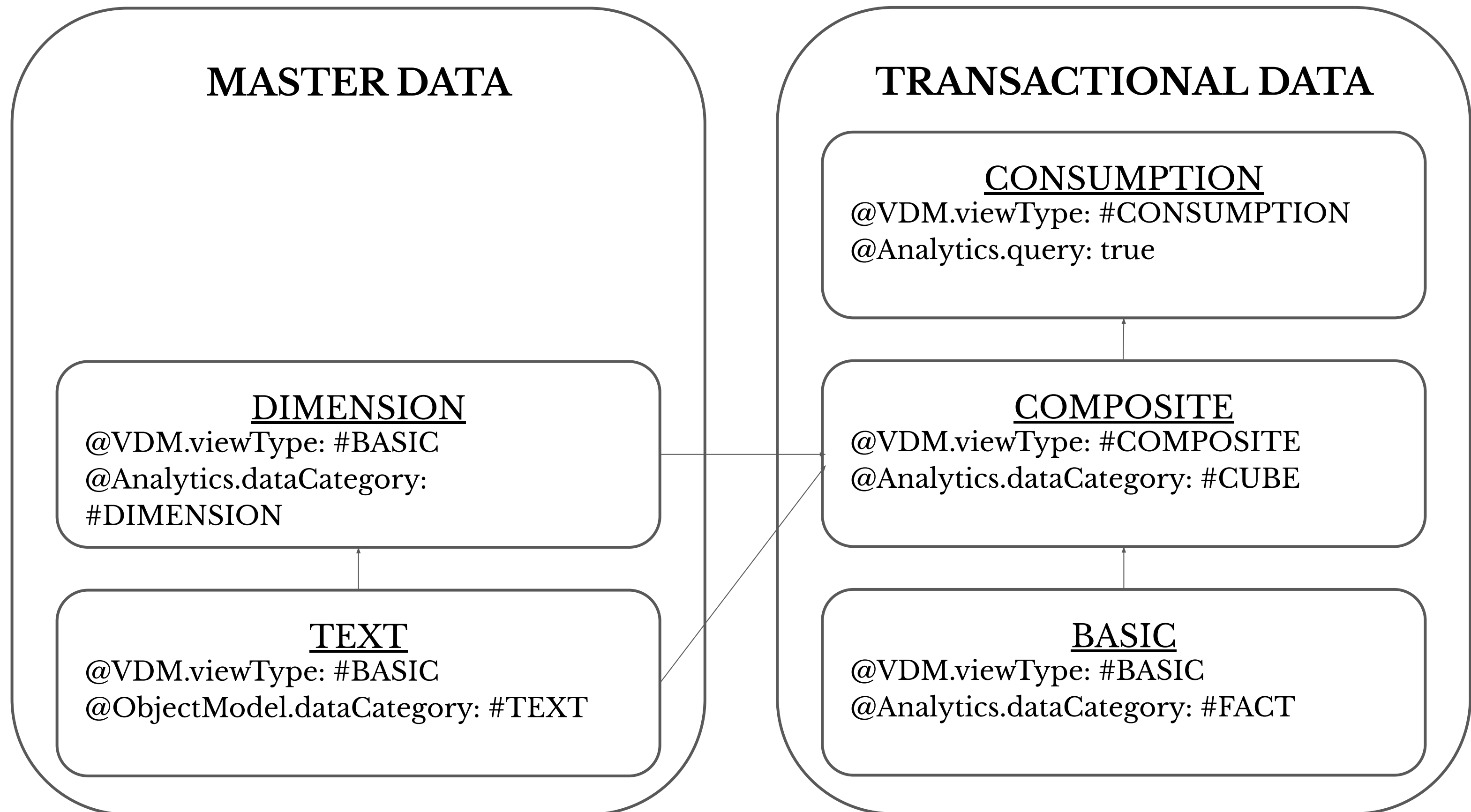
S/4 Embedded Analytics - Architecture



S/4 Embedded Analytics - Virtual Data Model



S/4 Embedded Analytics - Virtual Data Model



S/4 is NOT a Data Warehouse

S/4 HANA

SAP LOB

Operational SAP Data

Tactical

Real-time

Out of the Box Models

Extensible Models

Data Warehouse

Cross LOB

Historical SAP Data | Strategic

Integration, Harmonization,

Cross-system consistency

Advanced Analytics

3 rd Party | Multi-sourced data

HANA Performance



Top Speed: 218mph / 350kmh



Top Speed: 100mph / 160kmh

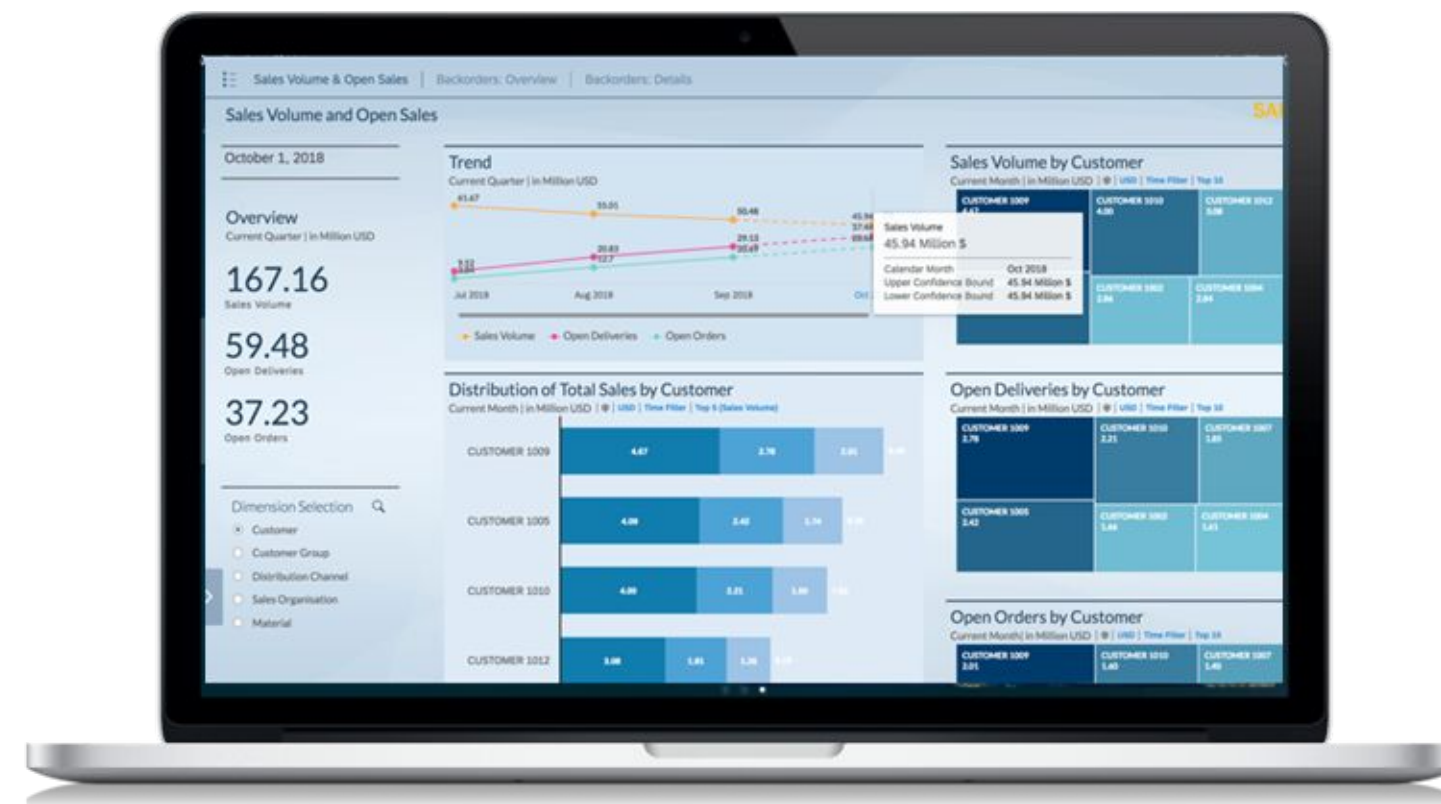
The moment two tables are joined, there will be a performance hit!!!



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SAP Analytics Cloud (SAC)



SAP Analytics Cloud

is a next-generation software-as-a-service (SaaS) solution built from the ground up that allows business users to **plan, discover, predict, and collaborate** all in one place.

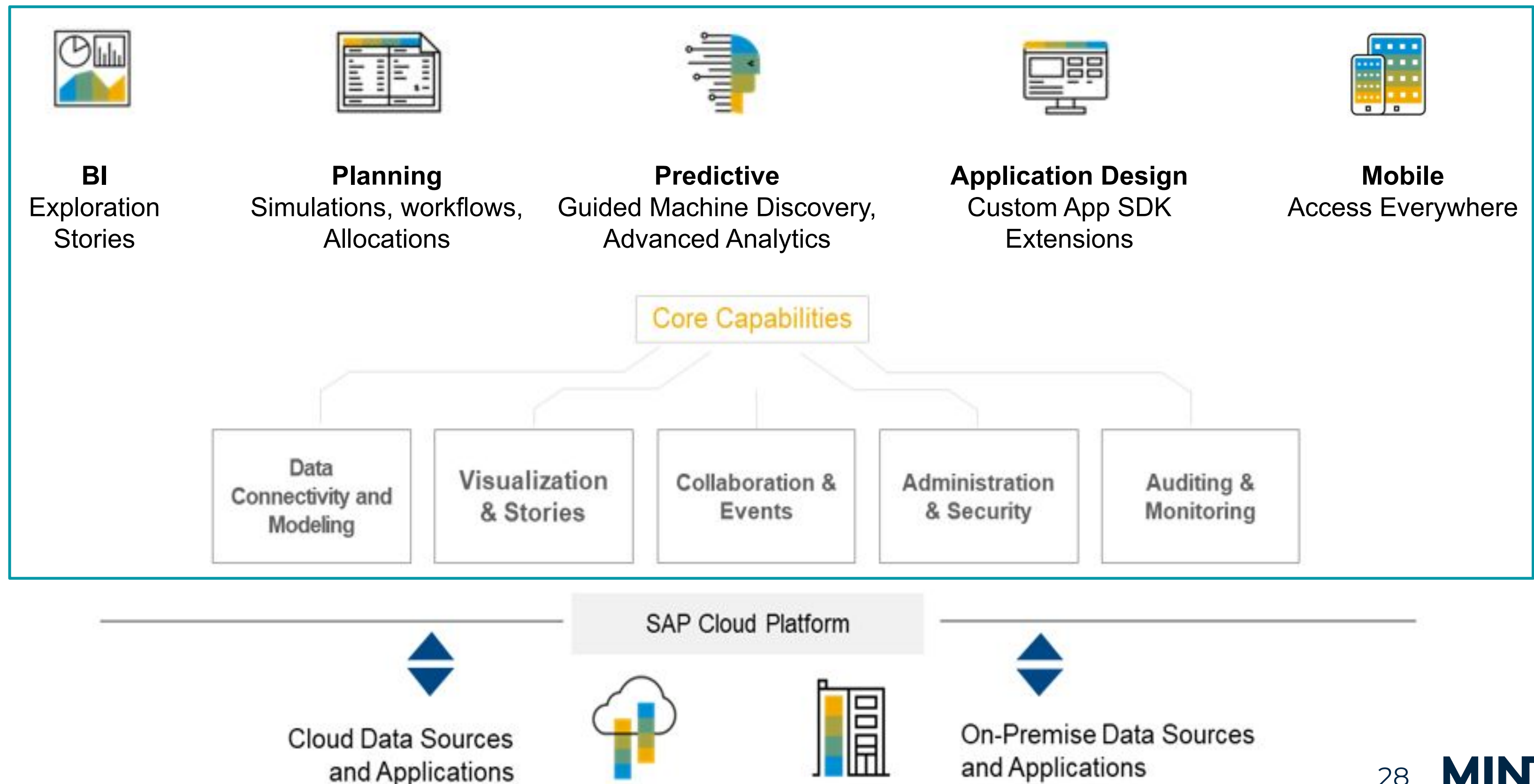
[*SAC Solution Brief](#)

SAP Analytics Cloud (SAC)

Unified experience for Planning, BI and Predictive all in one service

Live data connectivity enables SaaS for everyone

End-to-end analytics for the Intelligent Enterprise



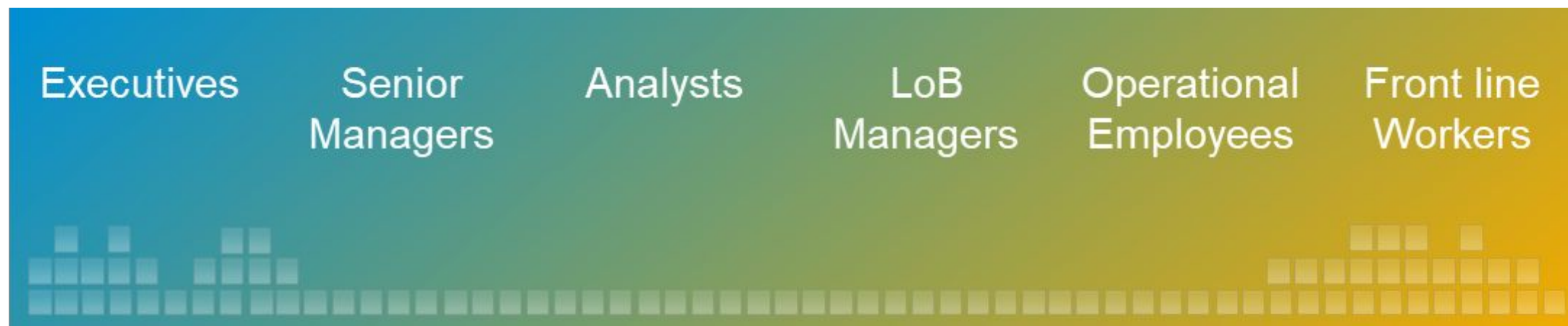
SAC - Personas

How do you account for the **diversity** of data, decisions, and decision makers?

Strategic

Operational

Tactical

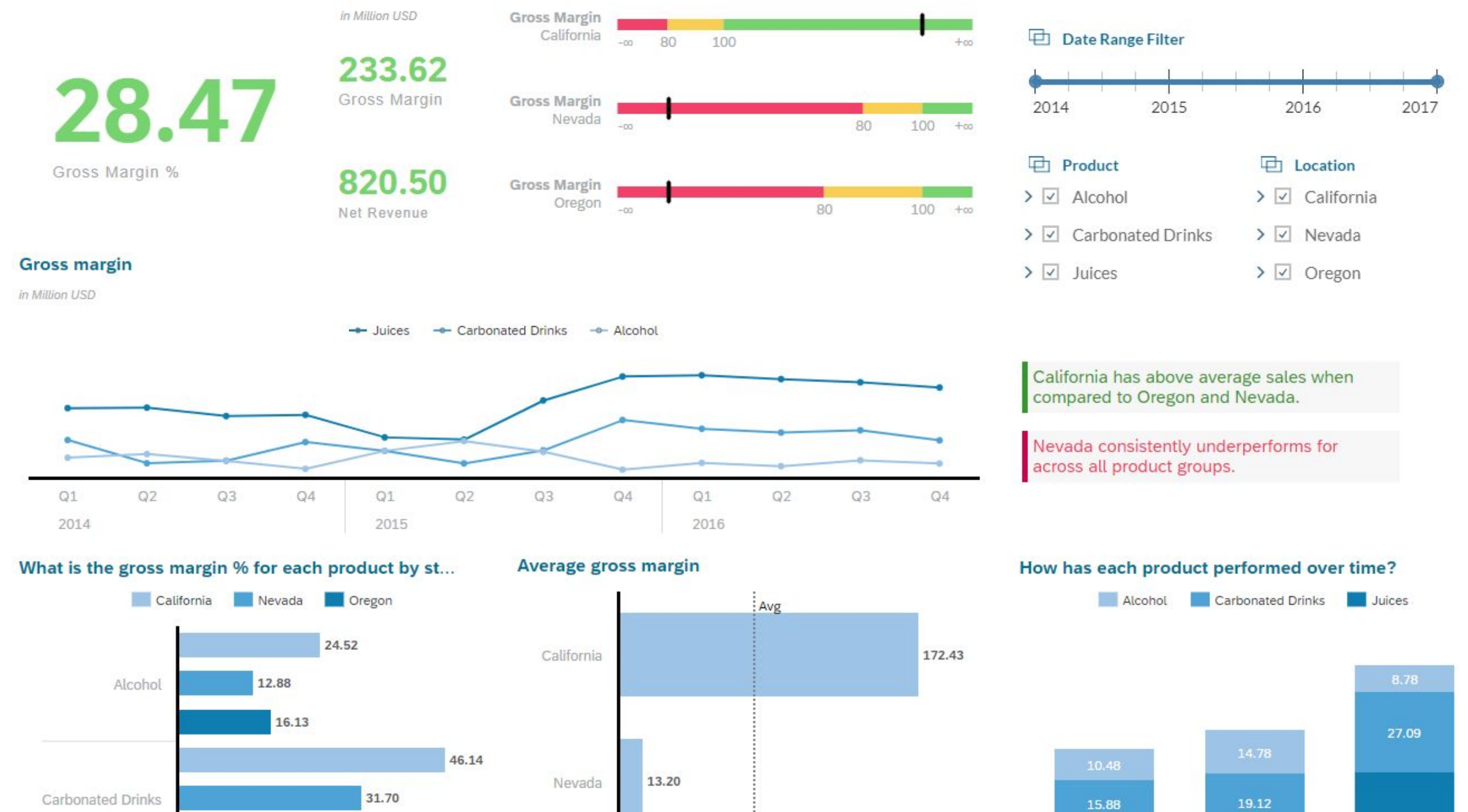


SAC - Business Intelligence

- Dashboarding and reporting
- Live connectivity for real time data
- Interactive
- Drill Down
- Can embed in Fiori
- Publishing

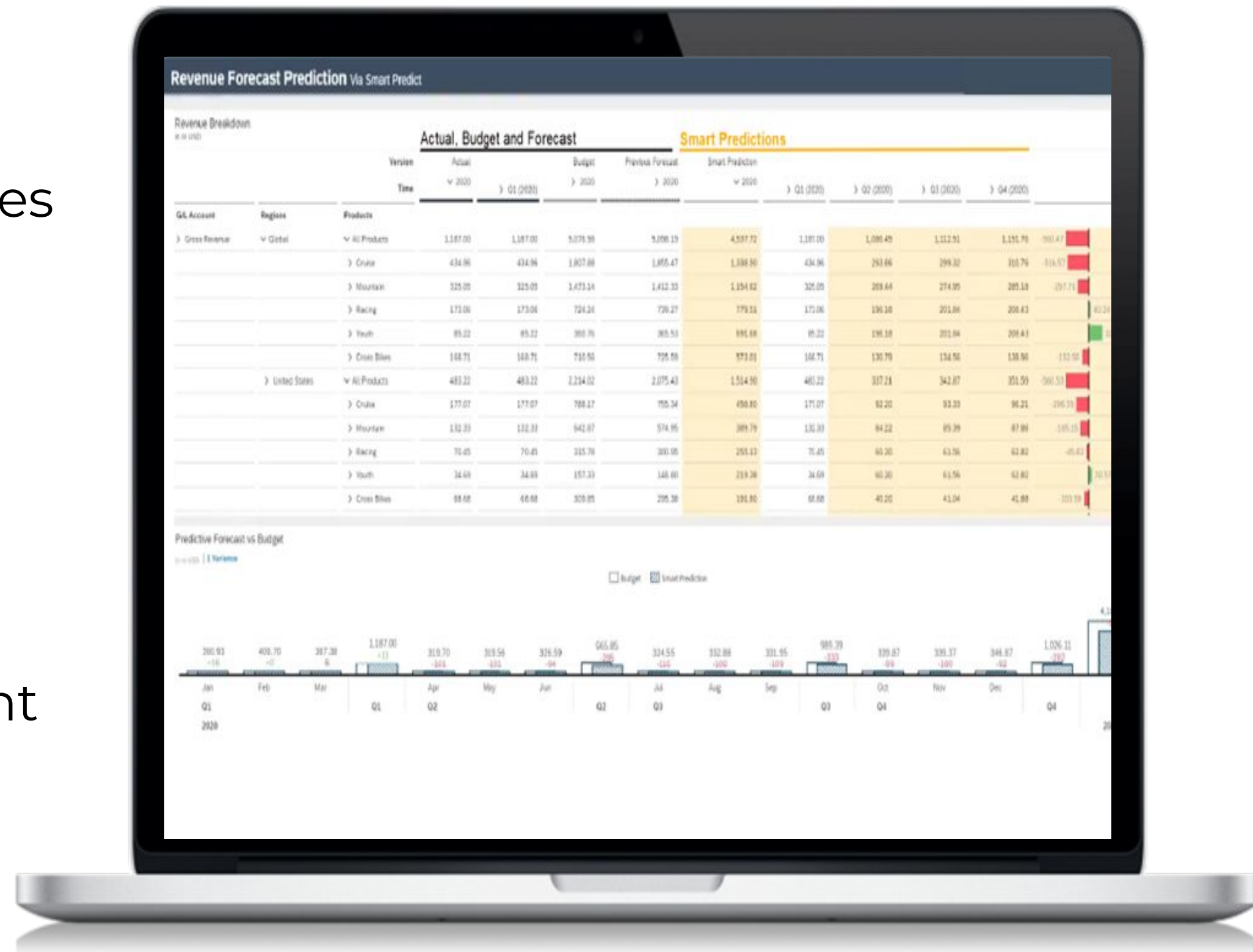
Sample: Summary Q1 (2014) – Q4 (2016)

This page outlines sales for the fictional company "The Best Run Juice Company". Feel free to click around and explore the data!



SAC - Plan Simple

- Rich modeling built for the business
- Powerful data entry capabilities
- Native collaboration and cell commentary
- Private versioning
- What-if simulations
- Predictive forecasting
- Single-click variance analysis
- Workflow and task assignment
- Allocations
- Smart analysis
- Excel integration



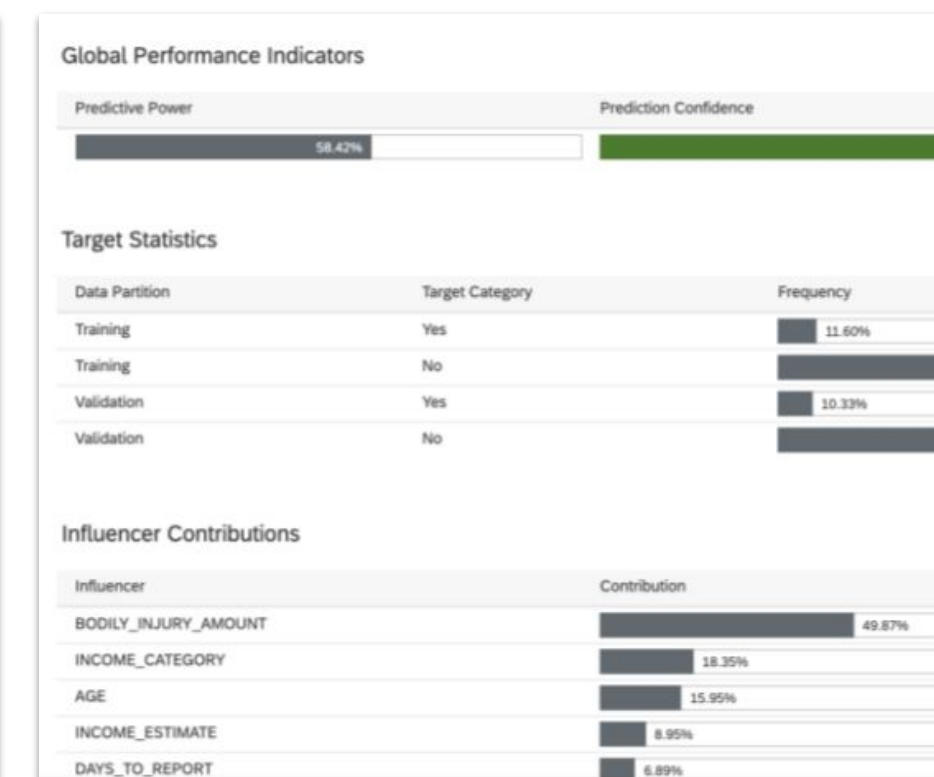
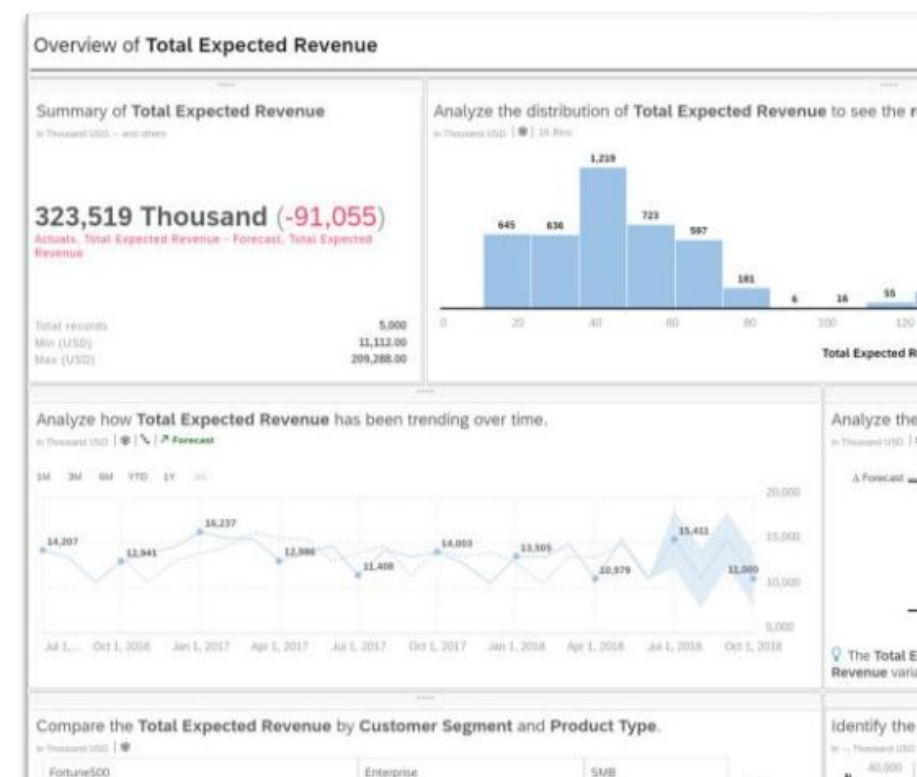
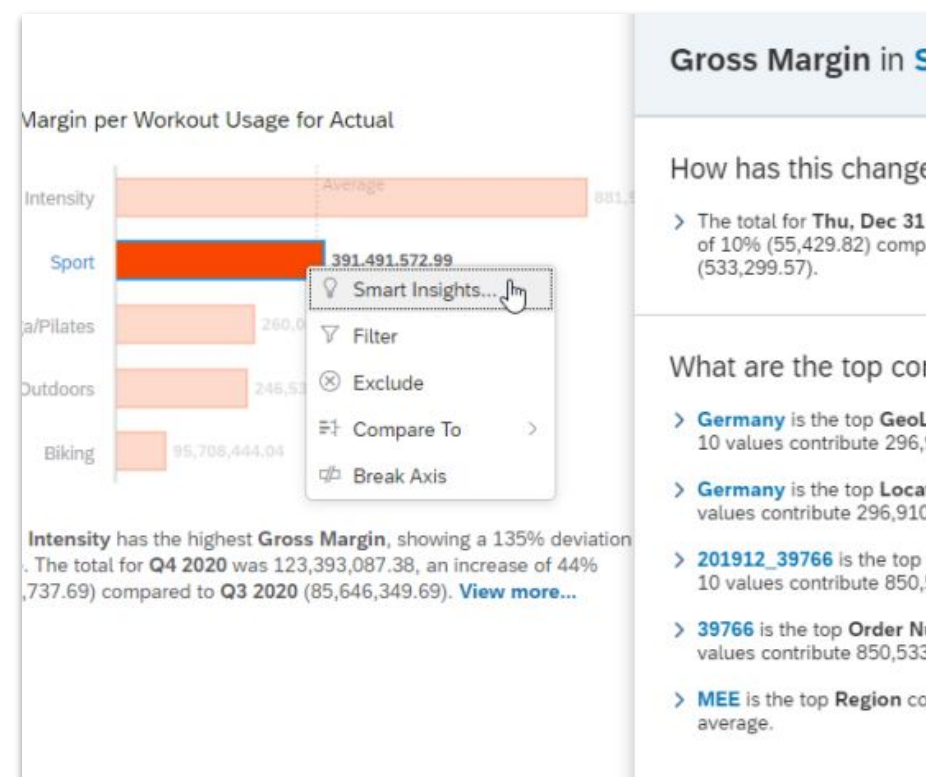
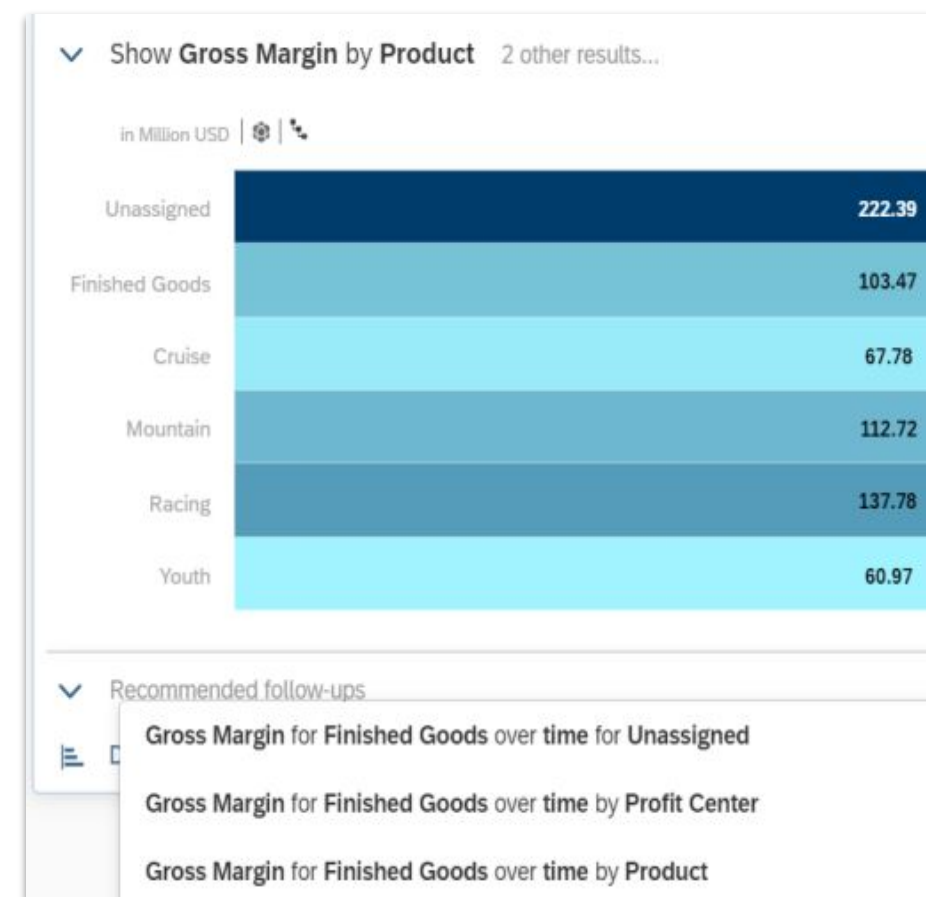
SAC - Augmented Analytics

Conversational Search to Insight

Automated Insights Smart Insights & Forecasting

Automated Discovery Smart Discovery

Predictive Analytics Smart Predict



Ask questions conversationally and SAC 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

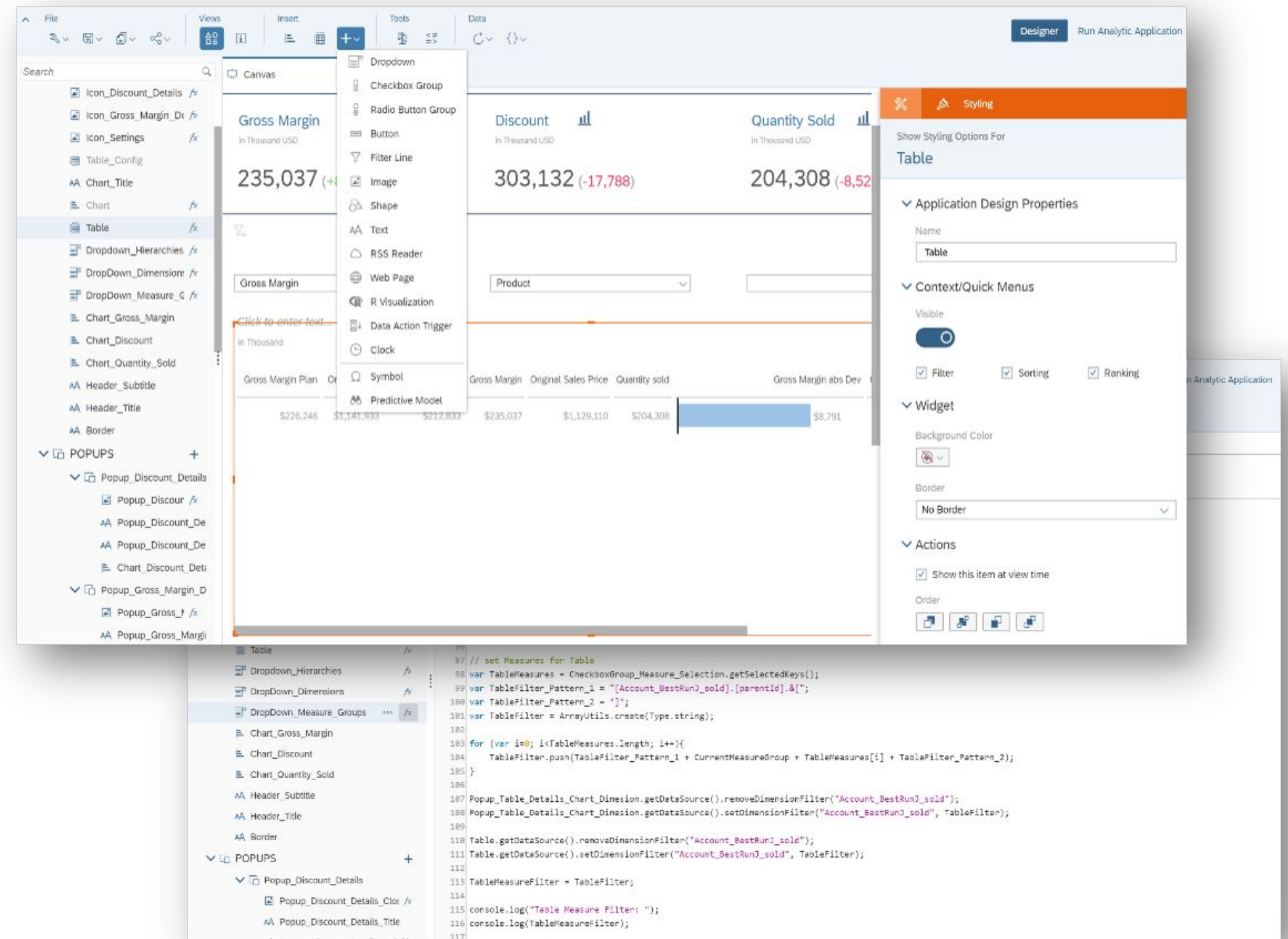
Run regression and classification scenarios, and generate forecasts without data scientists

Information Worker

Citizen Data Scientist

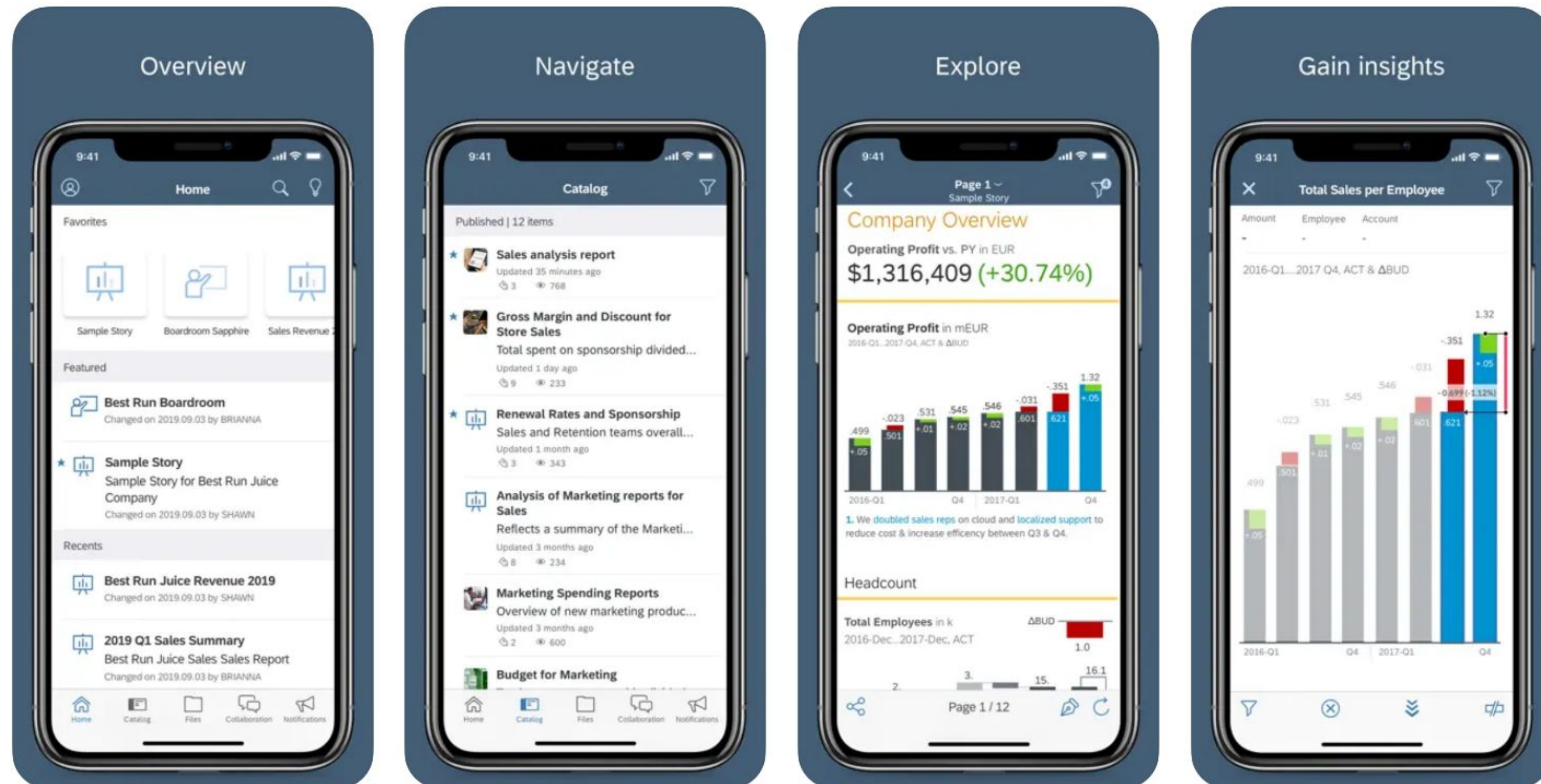
SAC - Application Designer

Enables analytics application designers to create centrally governable analytic contents, ranging from guided analytics dashboards to sophisticated planning and smart applications



SAC - Mobile App

- Instantly mobilize your stories
- No additional development required
- IOs and Android



Business Content

Advanced Compliance Reporting
Business ByDesign (Finance and Procurement)
Consumer Products Sales Planning
Financial Analytics Dashboard for SAP Analytics Cloud
Environment, Health and Safety
Enterprise Contract Management
Entitlement Management
Field Service Management
Finance
Finance Account Receivable – Invoice Payment Forecasting.
Finance Contract Accounts (FI-CA)
Finance Contract-based revenue recognition (CBRR)
Finance for SAP S/4HANA Cloud
Finance – Live based on Semantic Tags
Financial Compliance Management
Financial Products Subledger IFRS17 for S/4HANA
Financial Consolidation for SAP S/4HC Cloud (BPE)
Financial Planning & Analysis for SAP S/4HANA Cloud
FI Operational Expense Planning
Goods and Services Tax GST Analytics
Group Reporting Planning for SAP S/4HANA **(New)**
Human Experience Management Workforce Planning **(New)**
Human Resources (SuccessFactors)
Human Resources (SuccessFactors) – Simplified Chinese Localization
Human Resources (SuccessFactors) (BPE)
Human Resources Salary Planning
HR Analytics for S4HANA Cloud and SAP SuccessFactors (SAP Best Practices)
Intelligent Asset Management
Integrated Business Planning & cross-model add-on **(New)**
Integrated Financial Planning for SAP S/4HANA
Integration Suite
Liquidity Planning for SAP S/4HANA Cloud
Logistics Execution Insights Dashboard
Mobile Analytics (New)
Outcome-Based Business Insights
Order Management foundation
SAP Marketing Cloud
SAP Marketing On prem (2009)
SAP Marketing On prem (1809)

SAP Marketing On prem (1909)
Predictive Liquidity Planning **(New)**
Process Control and Risk Management **(New)**
Procurement
Procurement: Contract Management
Procurement: Enterprise Analytics for Procurement (SAP Ariba)
Procurement for SAP S/4HC (BPE)
Procurement: Order to Invoice (SAP Ariba) **(New)**
Procurement: Procure to Order **(New)**
Procurement: Sourcing **(New)**
Procurement: Spend Analysis (SAP Ariba)
Product Carbon Footprint Analytics
Product Cost Planning
Product Footprint Management
Project and Portfolio Management
Project Budgeting & Planning S/4HC (BPE)
Project Staff Planning
Receivables Management for S/4HANA Cloud (BPE)
Qualtrics - Customer Satisfaction Score
Qualtrics - Survey distribution and Analysis
Qualtrics Touchpoint NPS
Supply Base Optimization
SAP S/4HANA for Financial Products Subledger – Reporting
SAP UI Logging
Sample Content: „Guideline-based“ Story Templates”
(Accessibility, Fiori, IBCS) **(New)**
Sample Content: „What-if App” **(New)**
Sales Analytics for SAP S/4HANA on-premise (New)
Sales Cloud for SAP S/4HANA (BPE)
Sales Performance and Target Planning (CRM)
Sales Cloud for SAP S/4HANA Cloud (BPE)
SAP Sales Planning for SAP S/4HANA Cloud
Service Cloud Analytics (CRM)
Social Media Analysis
Solution Manager: Test Suite Analysis
Solution Manager IT Service Management Analytics
Statistical Process Control (SPC) Toolkit

Sales Performance and Target Planning (CRM)
Sales Cloud for SAP S/4HANA Cloud (BPE)
SAP Sales Planning for SAP S/4HANA Cloud
Service Cloud Analytics (CRM)
Social Media Analysis
Solution Manager: Test Suite Analysis
Solution Manager IT Service Management
Analytics
Statistical Process Control (SPC) Toolkit
SuccessFactors Workforce planning (BPE)
Supply Chain Management: Life Sciences
Dashboard
Sustainability Control Tower **(New)**
Sustainability Control Tower – lite **(New)**
Supply Chain Management – Extended Service
Parts Planning
Transportation Management
Trade Management
Travel & Expense – Concur
Treasury Management
Vendor Management System (Fieldglass)
Workforce Planning for S/4HC (BPE)

THE INSIGHT

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Our Solutions and Products



mindsetconsulting.com