

solutions
beyond
technologies
A SYNTAX COMPANY



ASUG

SAP & Analytics Where are we ?

2024, Feb 24th



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Key Takeaways

Beyond team



Your expert:

Julien Marchal

SAP BI & Analytics Practice Director



Your host:

André Giroux

Account Manager

Company Overview

Syntax Systems and Beyond Technologies Join Forces

Syntax Systems and Beyond Technologies announced the successful completion of the acquisition transaction on October 3rd, 2023

This combination creates a broad portfolio of industry-focused technology offerings, adds strength to bench of SAP® expertise and professional services talent, expands global reach and regional resources.



1972	1997	2007	2016	2017	2019	2020	2020	2021	2021	2021	2021	2023
Syntax Distribution Management System released	JD Edwards Partnership	#1 Cloud Provider for JD Edwards	Becomes majority shareholder	Core Services Acquisition	EMERALDCUBE Acquisition	FIT Acquisition	AWS Partner Network Advanced Consulting Partner MSP Partner	Oracle Cloud Infrastructure Partnership	Linke Acquisition	Illumiti Acquisition	Novacap Creates Syntax Continuous Vehicle w/Goldman Sachs	Beyond Technologies Acquisition
											Bain Strategic Plan Developed	

Company Overview

26

Offices

15

Countries

52

Years strong
Founded in 1972

900+

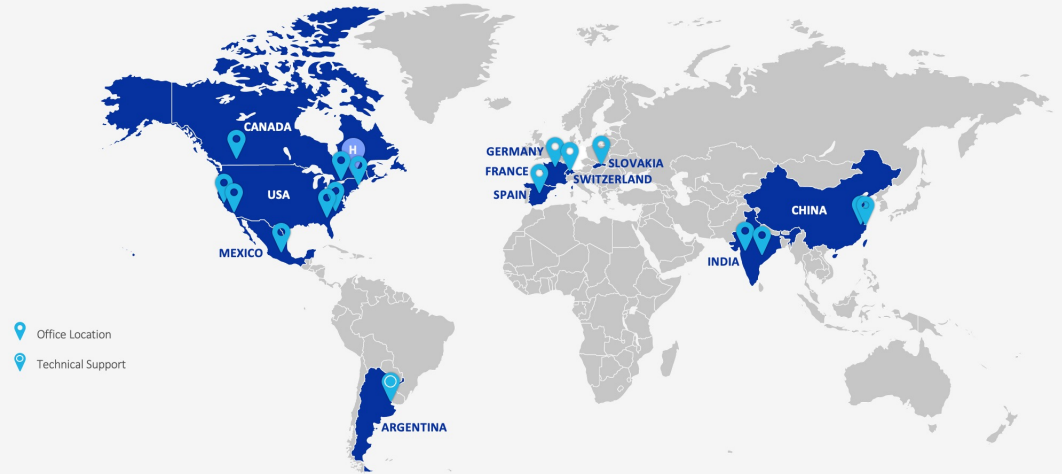
Customers

2,800+

Employees

1,100+

SAP Professionals



Company Overview

Strategic Industries



Manufacturing



Wholesale
Distribution



Mill &
Forest
Products



Public
Sector



Natural
Resources



Consumer
Industries



Life
Sciences



Professional
& Financial
Services

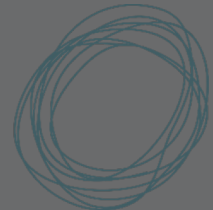


Retail



Construction

Overview of Beyond Technologies



Founded in 2005
18 years strong



Over 450 employees
and growing



Founded on 3 pillars (functional, technical
and project management)



100% SAP



Specialized in the
implementation of the SAP
Retail, Fashion and
Distribution solution



Average SAP experience
over 14 years (business
solutions and processes)

Leader in SAP
S/4HANA
implementation for
growing businesses



Global presence



Overview of our offering



SAP Functional Business &
Services Consulting



Project Acceleration Services



Business Intelligence &
Analytics Consulting



Project Management &
Implementation Services



On Premise to Cloud
Transition (ECC – S/4HANA
to RISE)



SAP On Demand Services



Staff Augmentation Services



SAP Technology Know-How



SAP Enterprise Health Check



Customer Experience
Solutions



Organizational Change
Management



Business Execution
Assistance

Beyond's BI & Analytics Team and Services

Beyond's strong BI & Analytics team consists of 14 members who provide a wide range of services based on their extensive knowledge of the SAP Data & Analytics portfolio.

SAP Analytics Cloud

- + More than 20 implementations of SAP Analytics Cloud over the last years

SAP Datasphere

- + 6 customers
- + SAP BW to SAP Datasphere Migration
- + Greenfield implementation

SAP Analytics Cloud

- Modeling & data flows
- Import and Live connectivity from multiple systems (SAP and non-SAP)
- Analysis for Office & SAC add-on
- Reporting and dashboarding
- Platform administration and security
- Training program
- Hybrid Analytics strategy (SAP BO to SAC)

SAP Datasphere

- Data flows & modeling
- Platform administration and security
- Data warehousing strategy and architecture
- Transition from SAP BW to SAP Datasphere
- Training program

Data Migration

- SQL Scripts
- Transformation & Cleansing
- Validation rules
- Load via the Migration Cockpit

SAC Planning

- Modeling & Data Actions
- Implementation & customization of Business Contents
- Reporting and dashboarding
- Collaboration and planning process
- Training program

Accelerators

- Prebuilt reports in SAC
- Finance package/ Sales Package / Production Package
- Cross-industry
- Full documentation (report story/configuration guide/master data/etc.)

BI & Reporting Strategy

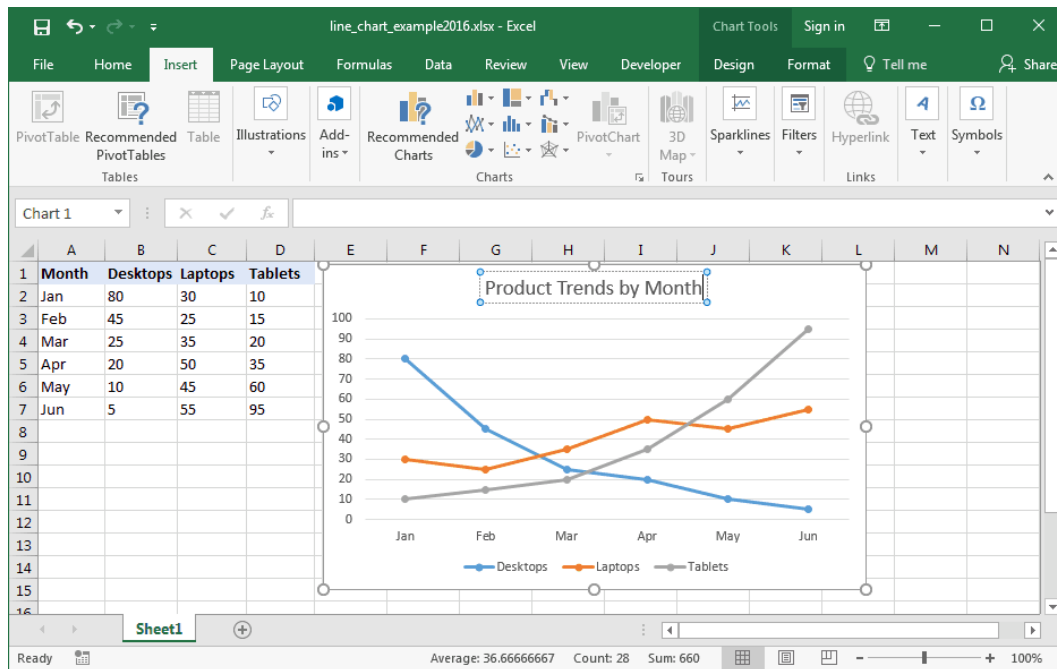
- Support
- BI Program



Where are we ?

Where are we ?

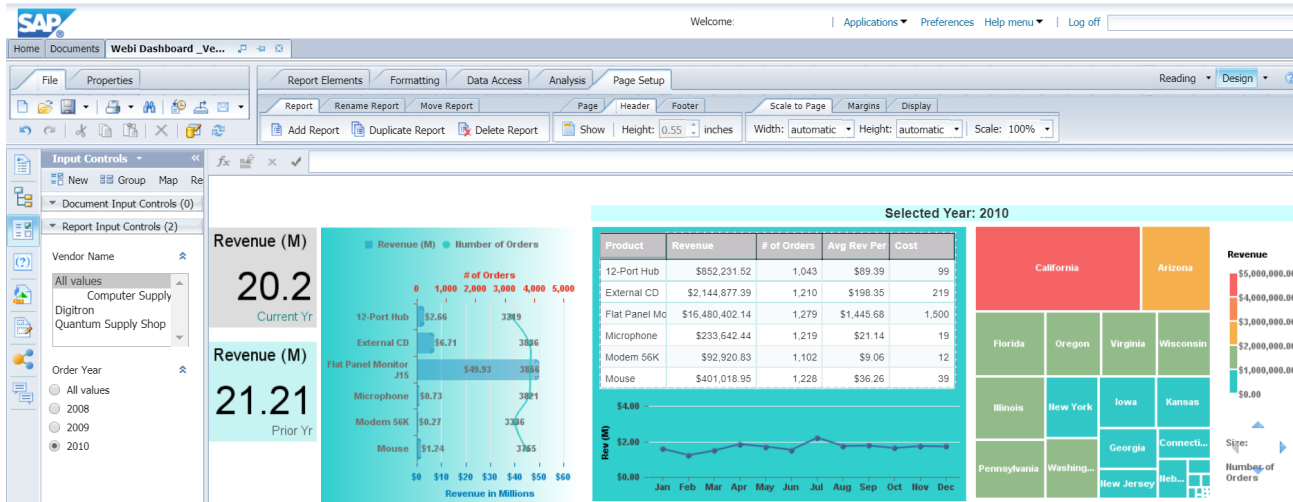
Guess the tool ?



TechOnTheNet.com

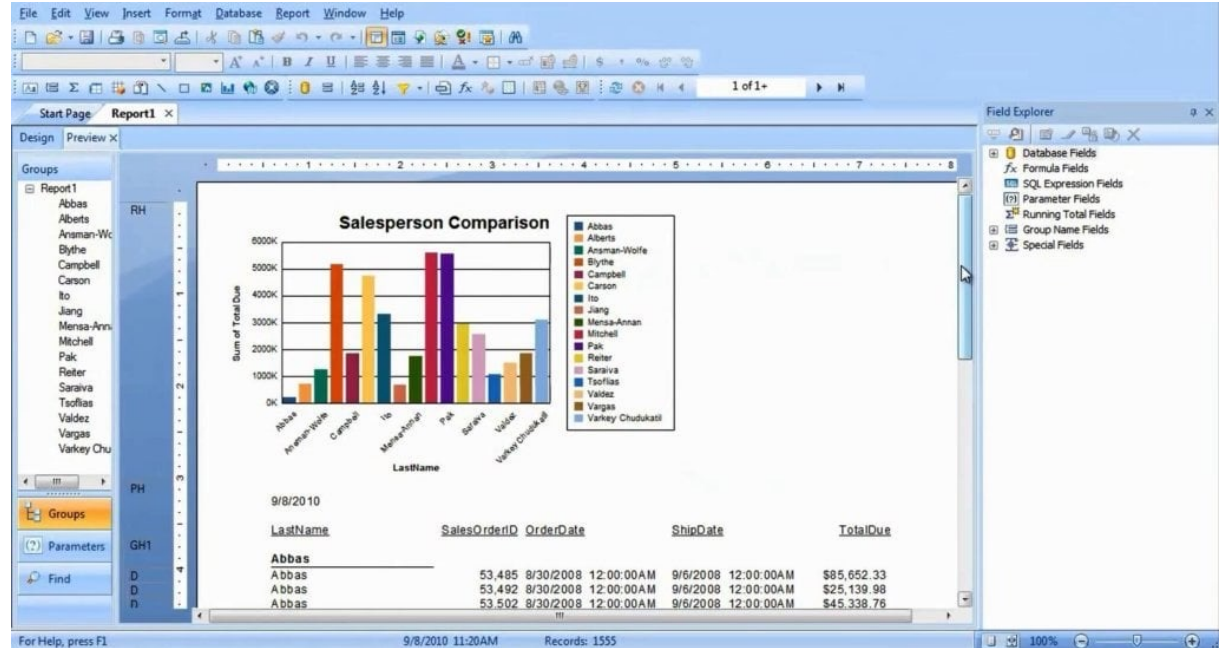
Where are we ?

Guess the tool ?



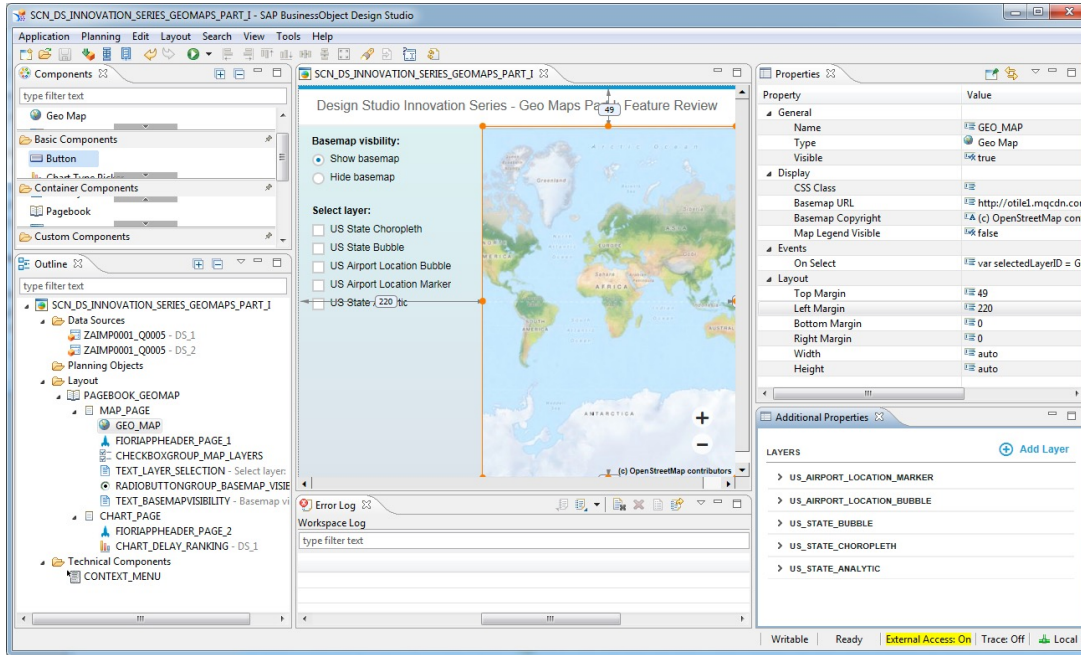
Where are we ?

Guess the tool ?



Where are we ?

Guess the tool ?

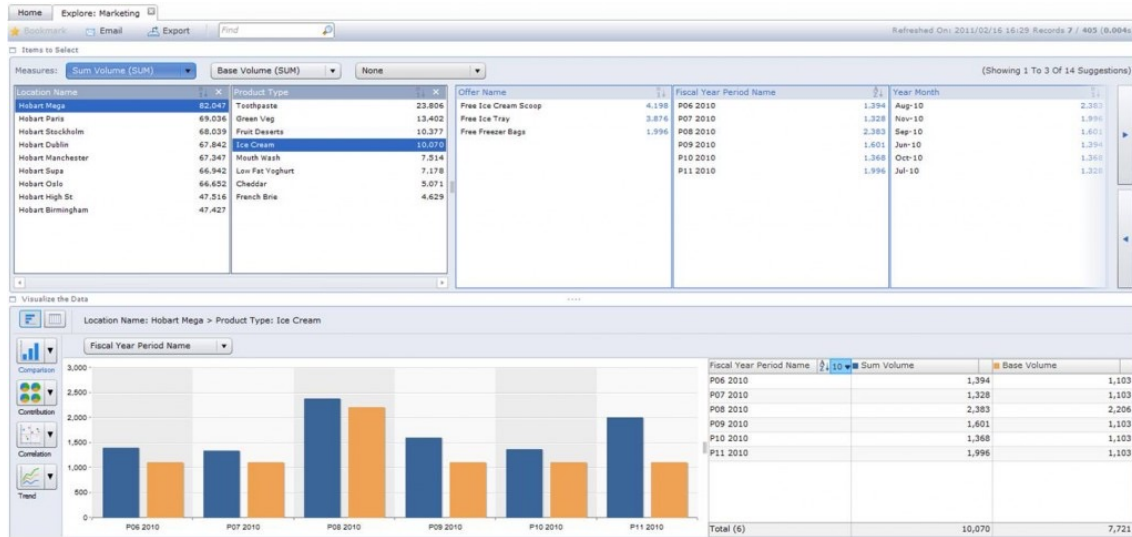


SAP Design Studio



Where are we ?

Guess the tool ?



SAP Explorer

Where are we ?

Guess the tool ?



SAP® Analytics Cloud

The screenshot displays the SAP Analytics Cloud interface for a story titled 'Unified Story - wave03_V2'. The dashboard is titled 'TCS Technologies' and provides an analysis of the workforce available at TCS Technologies. It includes several visualizations:

- Attrition and Growth 2018 - 2021:** A bar chart showing attrition rates for 2018 and 2020. The 2018 data points are 3.03 and -2.74. The 2020 data points are 3.31, 0.86, -1.15, 4.05, and 0.68.
- Headcount per Hire Date:** A bar chart showing headcount per hire date from January 2019 to December 2019. The values are: Jan (300), Feb (242), Mar (335), Apr (273), May (331), Jun (358), Jul (362), Aug (369), Sep (306), Oct (386), Nov (397), Dec (382).
- Headcount per Hire Location:** A map showing headcount per hire location.

The 'Styling' panel on the right is open, showing options for 'Generic Properties' and 'Quick Menu'. The 'Quick Menu' panel is highlighted with an orange box and includes the following options:

- Applied to Chart
- Select Conversions
- Sorting
- Ranking
- Compare To
- GDR
- Comment
- Collapse/Expand Title
- Fullscreen
- Export
- Filter/Exclude
- Drill
- Collapse/Expand
- Zoom
- Break Axis
- Open Hyperlinks

Where are we ?

Guess the tool ?



- SAP Business Objects
- SAP Web Intelligence
- SAP Crystal Reports
- SAP Explorer
- SAP Design Studio
- SAP Lumira
- SAP Dashboard Designer
- SAP Universe Design Tool
- SAP Information Design Tool
- SAP Analysis for OLAP
- SAP Analysis for Office
- SAP Analytics Cloud
- SAP Business Warehouse
- SAP Data Intelligence
- SAP Datasphere
- SAP HANA Cloud
- Report Painter

...



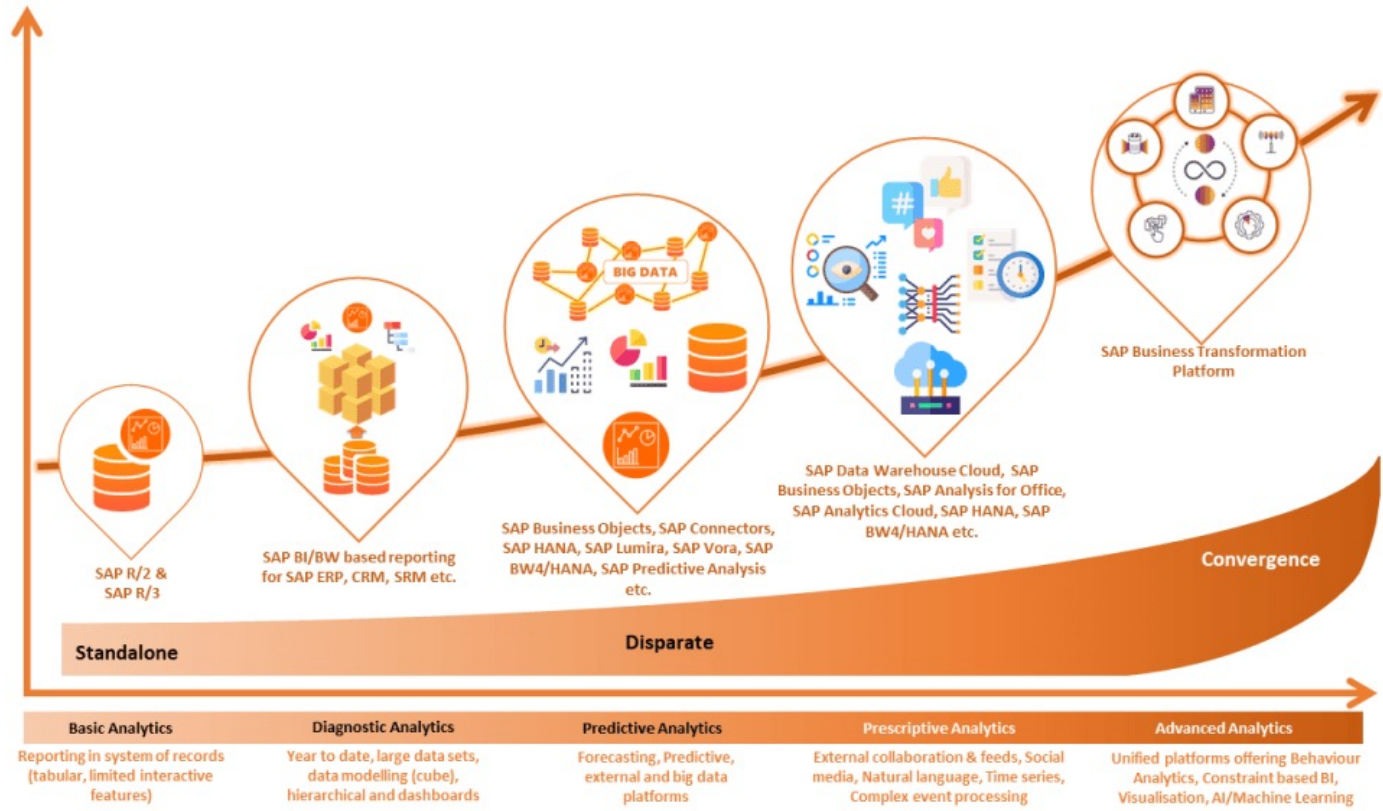


02

Reporting & Analytics Journey

Reporting & Analytics Journey

From Basic Analytics to Advanced Analytics



Basic Analytics	Diagnostic Analytics	Predictive Analytics	Prescriptive Analytics	Advanced Analytics
Reporting in system of records (tabular, limited interactive features)	Year to date, large data sets, data modelling (cube), hierarchical and dashboards	Forecasting, Predictive, external and big data platforms	External collaboration & feeds, Social media, Natural language, Time series, Complex event processing	Unified platforms offering Behaviour Analytics, Constraint based BI, Visualisation, AI/Machine Learning

Source

Reporting & Analytics Journey

SAP BTP (Business Technology Platform)



Open runtime
Open API
Open environment

Foundational
services



Cloud,
on premise,
hybrid, edge

Any data store
connectivity

- Data Storage
- Data Processing
- Data Integration
- Data Orchestration
- Information Governance
- Master Data Management

- Business Intelligence
- Augmented Analytics
- Predictive Analytics
- Collaborative Planning
- Data Warehousing

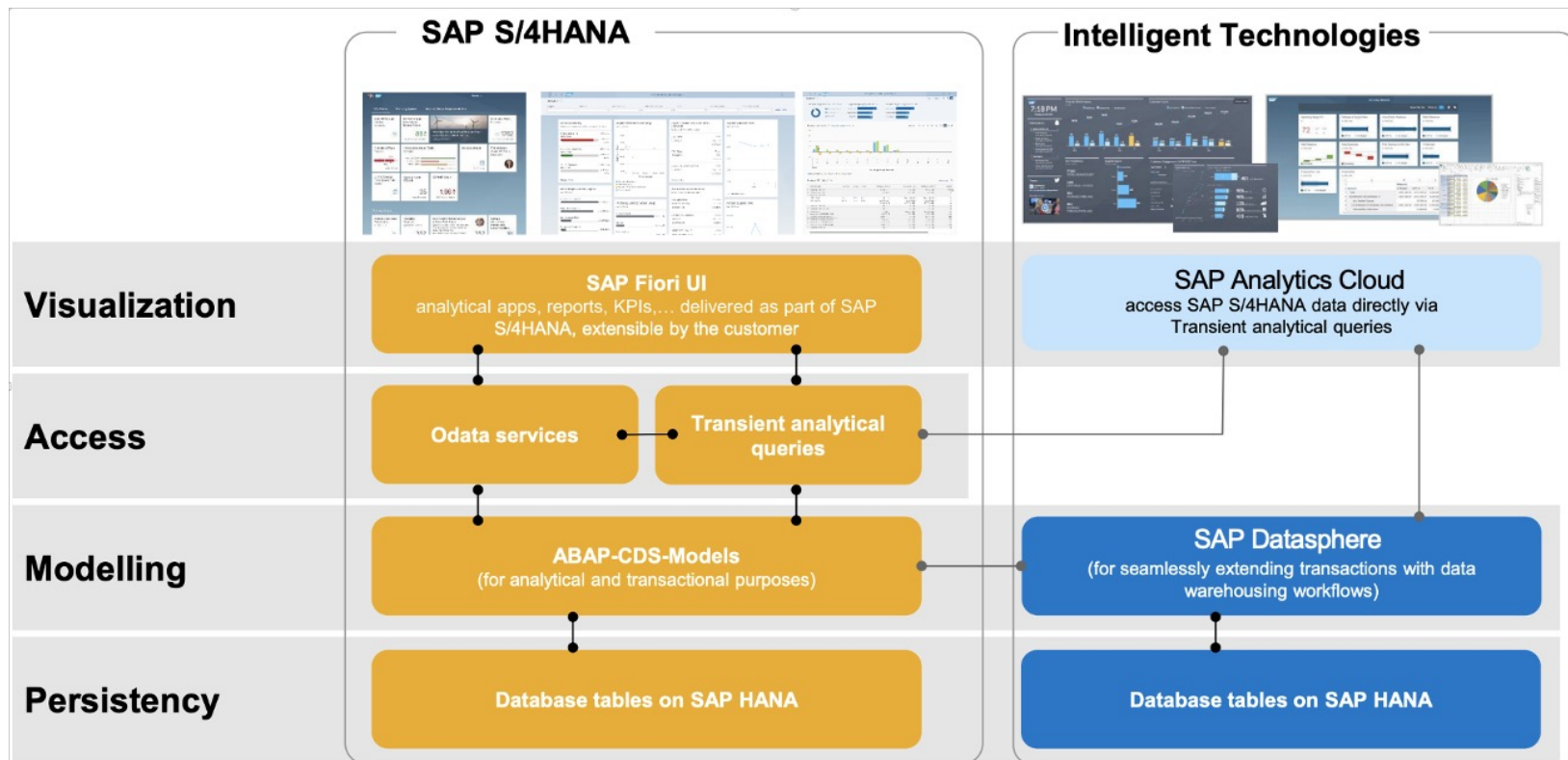
- Integration
- Extensibility
- Business Process Optimization
- Business Services
- User Experience

- Artificial Intelligence
- Machine Learning
- Intelligent Robotic Process Automation
- Blockchain
- Internet of Things



High level architecture

SAP S/4HANA & Intelligent Technologies





03

Embedded Analytics with SAP S/4HANA

Embedded Analytics

With SAP S/4HANA



SAP S/4HANA



SAP Fiori UI

KPIs with simplified reports

Standard S/4HANA Reports

Overview Pages

Analysis for MS Office



	Yr/Mo. of Creation	10.2017	11.2017	01.2018	02.2018	04.2018	05.2018	06.2018	07.2018	08.2018	09.2018	11.2018	12.2018	01.2019
Sales Organization		CAD	CAD	CAD	CAD	CAD	CAD	CAD	CAD	CAD	CAD	CAD	CAD	CAD
010	Europe Sales		47.54											13.35
010	Commercial	3,154,829.52	2,355,754.55	1,256.64	13,643.52	2,854.42	45,104.40							
200	Sales - Canada							162,400.00				68.99		
200	Sales - International							1,419,034.00	399,091.10	1,264,517.65	696,836.39	376,780.78	4,482.36	
Overall Result		3,154,829.52	2,355,802.09	1,256.64	13,643.52	2,854.42	45,104.40	1,581,434.00	399,091.10	1,264,517.65	696,836.39	376,849.77	4,482.36	146.99



04

SAP Analytics Cloud

SAP Analytics Cloud fundamentals

The basics of SAC



- SAC is a cloud-based analytics platform that provides tools for **data visualization**, **business intelligence**, **integrated Planning** and **predictive analytics**.
- SAC is the perfect tool for your company due to its ability to **seamlessly integrate and analyze data from multiple sources** (SAP and non-SAP), providing a holistic view of your business.
- You can create interactive **dashboards and reports**, perform **ad hoc analysis** and **collaborate in real time** with others. With its user-friendly interface and advanced analytics capabilities, it empowers decision makers to uncover actionable insights, enhance performance, and drive strategic initiatives with confidence.



SAP Analytics Cloud fundamentals

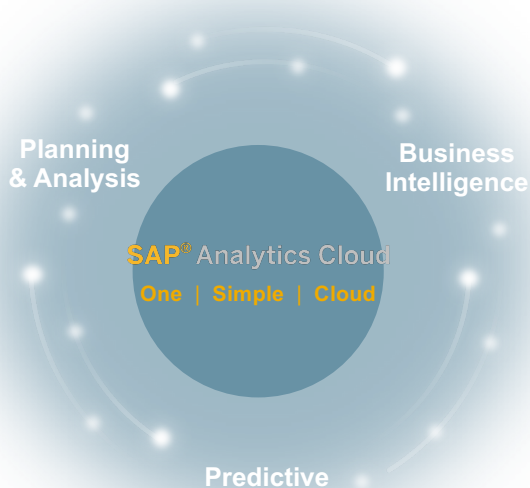
Augmented features of SAC



Only analytics solution to bring together BI, Planning, and Predictive in the cloud.

Smart Assist features deliver insights with embedded machine learning – no data scientist required.

Get insights wherever you are with analytics available on any device.



Smart Discovery

Search to Insight

Smart Insights

Time Series Forecasting

Smart Grouping

Smart Transformation

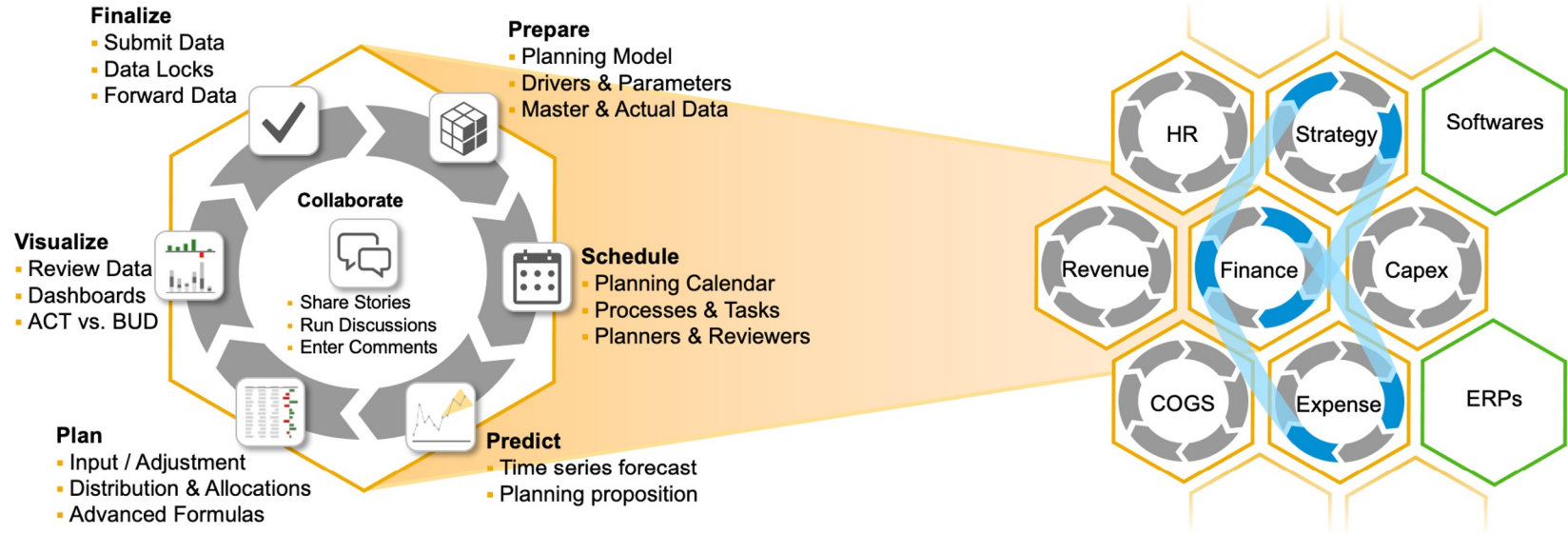
R-Visualizations

Smart Predict



SAP Analytics Cloud fundamentals

SAC planning functionalities



1 **Crowdsource plans and budgets** across the organization to increase engagement and accuracy

2 **Link operational and financial planning** to improve alignment and performance

3 **Embed within enterprise applications** for one source of the truth

The new area of analytics

SAP Analytics Cloud



- The newest area for analytics with the power of AI is **predictive analytics**. By analyzing data and using machine learning algorithms, AI can **predict critical financial events** in the future.
- Finally, AI can also detect anomalies in large datasets, helping businesses **identify unusual patterns and potential fraud**.
- There is no need to be a Data Scientist in order to use the augmented features of SAP Analytics Cloud. The system comes with all those functionalities by default, and anyone can take advantage of them **with a few clicks**.



Real-life example #1

SAP Analytics Cloud



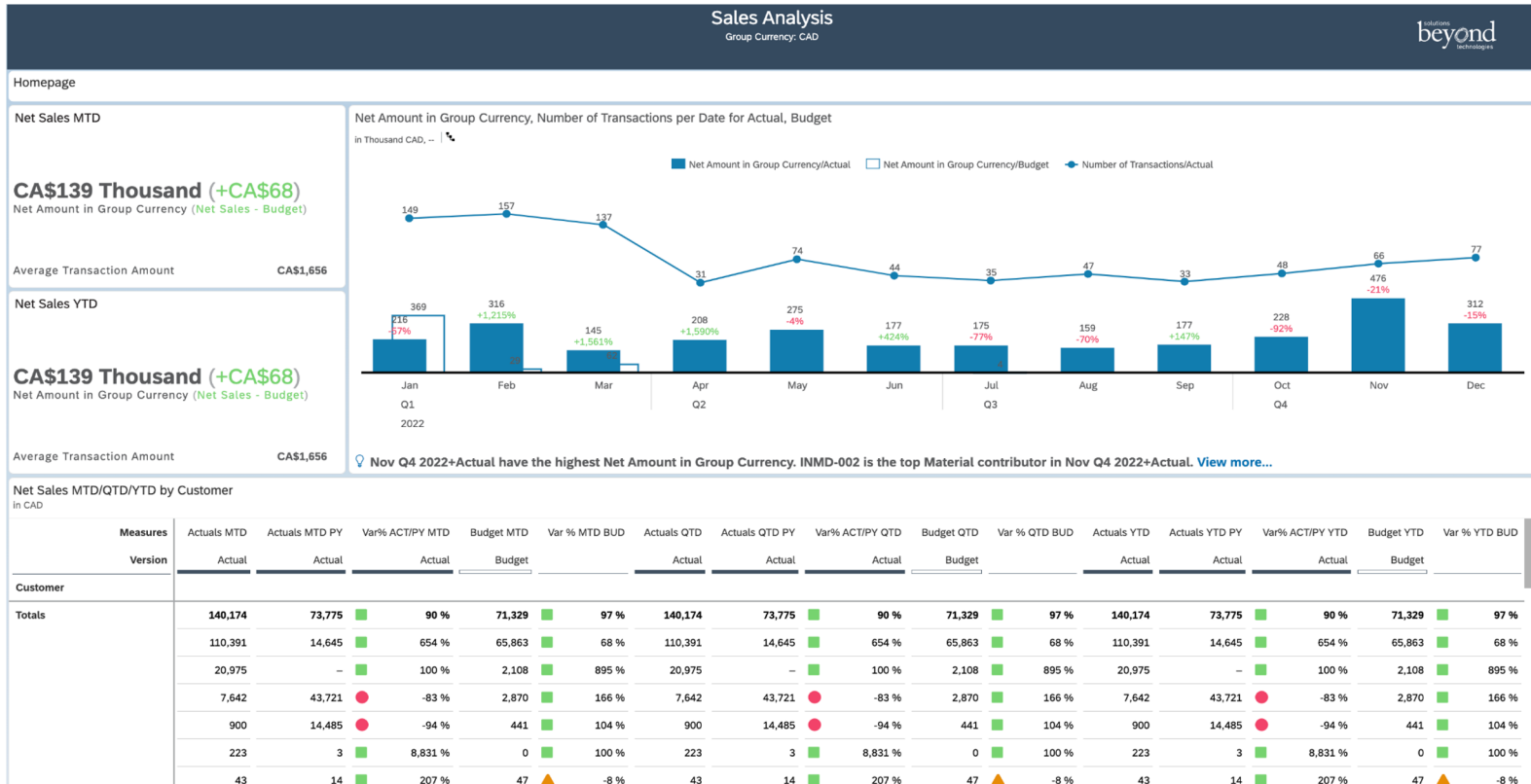
Sales report with historical data

- You are implementing SAP S/4HANA but you would like to have at least **1 year of historical data** in your sales report.
- The goal is to leverage **standard views** (CDS views) from S/4HANA but also integrate historical data by connecting to a **data warehouse**, a **view** in a DB or a **flat file**.
- The report should use some **augmented features** like the time series forecasting that will leverage AI to predict future net sales.



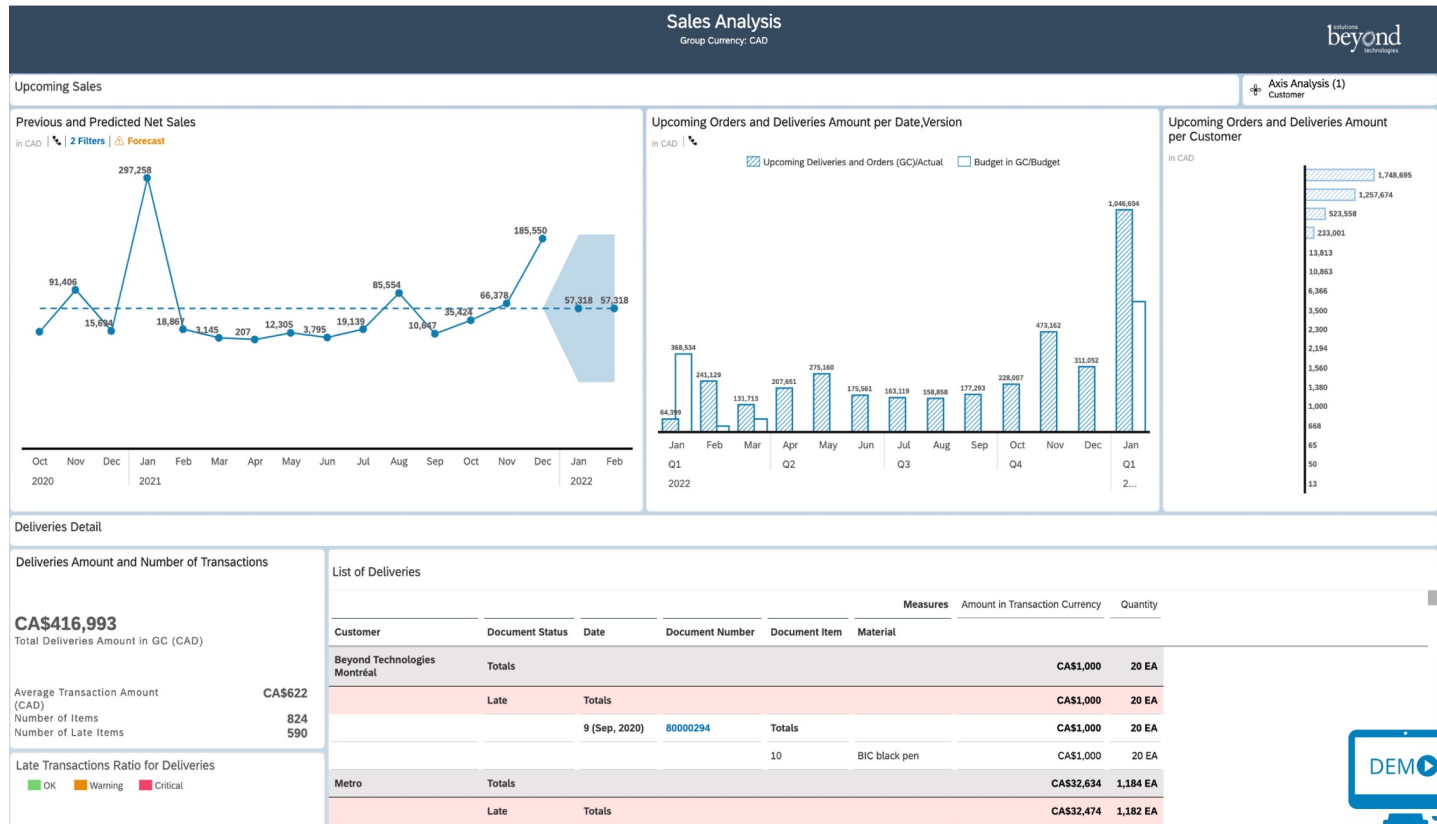
Real-life example #1

SAP Analytics Cloud



Real-life example #1

SAP Analytics Cloud



Deliveries Detail

Deliveries Amount and Number of Transactions

CA\$416,993
Total Deliveries Amount in GC (CAD)

Average Transaction Amount (CAD): **CA\$622**

Number of Items: **824**

Number of Late Items: **590**

Late Transactions Ratio for Deliveries

OK Warning Critical

List of Deliveries

						Measures	Amount in Transaction Currency	Quantity
Customer	Document Status	Date	Document Number	Document Item	Material			
Beyond Technologies Montréal	Totals					CA\$1,000	20 EA	
	Late	Totals				CA\$1,000	20 EA	
		9 (Sep, 2020)	80000294	Totals		CA\$1,000	20 EA	
				10	BIC black pen	CA\$1,000	20 EA	
Metro	Totals					CA\$32,634	1,184 EA	
	Late	Totals				CA\$32,474	1,182 EA	

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05

Beyond Analytics Solution

Beyond Analytics Solution

Our current accelerators



Order to Cash

Prebuilt reports:

- Sales Analysis
- Delivery Performance (OTIF)
- Open Orders
- Backorders



Finance

Prebuilt reports:

- Financial Statement
- Financial Analysis
- Margin Analysis
- Account Receivables Analysis
- Account Payables Analysis



Production Planning

Prebuilt reports:

- Production Effectiveness
- Production Plan Attainment /
Schedule Adherence
- Time Gap Analysis

Beyond Analytics Solution Overview



- More information on SAP Store :
- [Production Planning](#)
- [Order to Cash](#)
- [Finance](#)

The screenshot shows the SAP Store interface for the product 'Beyond's Analytics Accelerator - Production Planning'. The header includes the SAP Store logo and navigation links: Products, Support, Learning, Community, Partners, About, and Explore SAP. Below the header, the product name is displayed with a gear icon and the text 'All Products / Data and Analytics'. The product description reads: 'Increase production efficiency, minimize waste and ensure smoother production workflows'. Below this, a paragraph states: 'Leveraging SAP BTP analytics, enhance production efficiency and reduce waste with weekly reports such as production effectiveness, production plan attainment, and time gap analysis. Anticipate issues by monitoring work center-level KPIs, assess weekly performance at various levels, and identify bottlenecks. [More](#)'. A 'Get It Now' button is visible. To the right, there is a video player for 'Beyond Technologies SAC Production Planning Accelerator 2023' with a 'YouTube' logo. A 'Have a Question?' button is also present. At the bottom, there are sections for 'Solution Types' and 'Works With'.



Beyond Analytics

Beyond Analytics Solutions' Catalog - Current and upcoming accelerators



SAP Home

Today **Catalog** Favorites Shared With Me

Financial Statements

Published 6 items

Search

Filter 9 A-Z ↕ ↻ Manage Recommended

CSR
Updated 1 month ago
👁️ 7 👍 5
Contains all BI accelerator CSR reports...
☆ Open

Finance
Updated 4 weeks ago
👁️ 77 👍 3
Contains all BI accelerator finance reports
☆ Open

Inventory
Updated 1 month ago
👁️ 11 👍 2
Contains all BI accelerator inventory reports
☆ Open

Logistics
Updated 1 month ago
👁️ 4 👍 3
Contains all BI accelerator logistics reports
☆ Open

Manufacturing
Updated 1 month ago
👁️ 9 👍 6
Contains all BI accelerator manufacturing reports
☆ Open

Sales
Updated 1 month ago
👁️ 7 👍 3
Contains all BI accelerator reports...
☆

- Finance
- Financial Statements**
- Financial Analysis
- Days Sales Outstanding
- Accounts Receivable based on Net Due Date
- Accounts Receivable based on Document ...
- Credit Management
- Accounts Payable Aging
- Cash Discount Analysis
- Days Payable Outstanding
- Supplier Invoice Analysis

beyond technologies



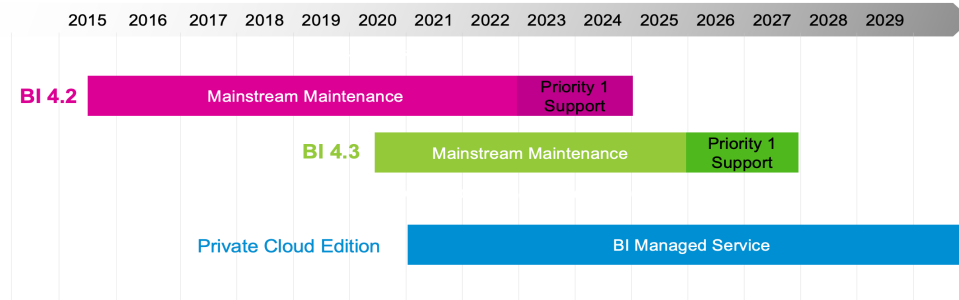
What about SAP BO ?

What about SAP BO ?

Statement of Direction



SAP BOBJ Strategy



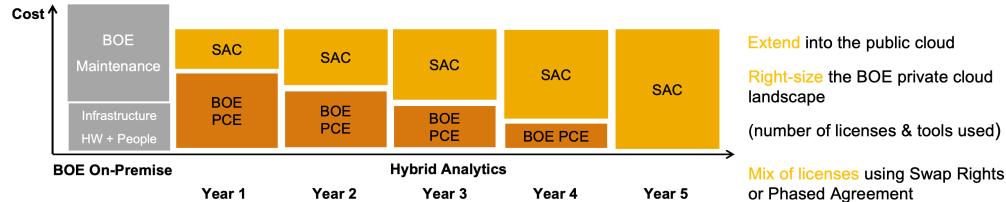
Business Objects
On Premise



Business Objects
PCE



SAP Analytics Cloud





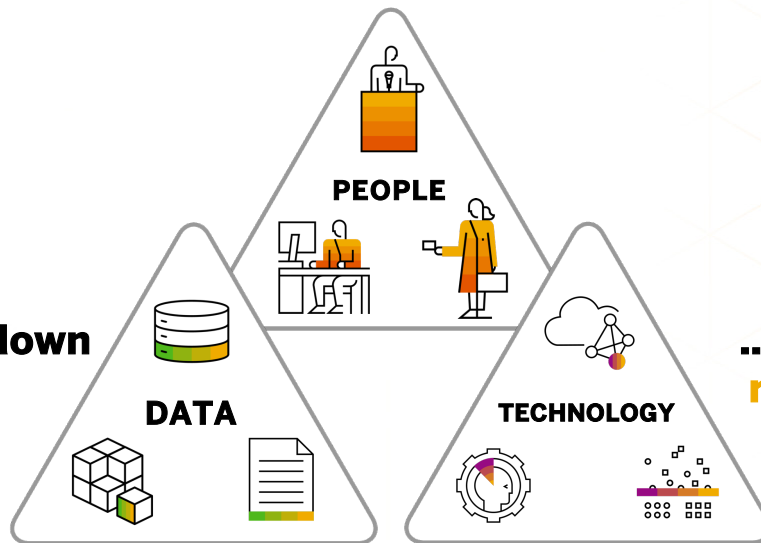
06

SAP Datasphere

The Challenge: **Data and Analytics**

...How to empower
all stakeholders?

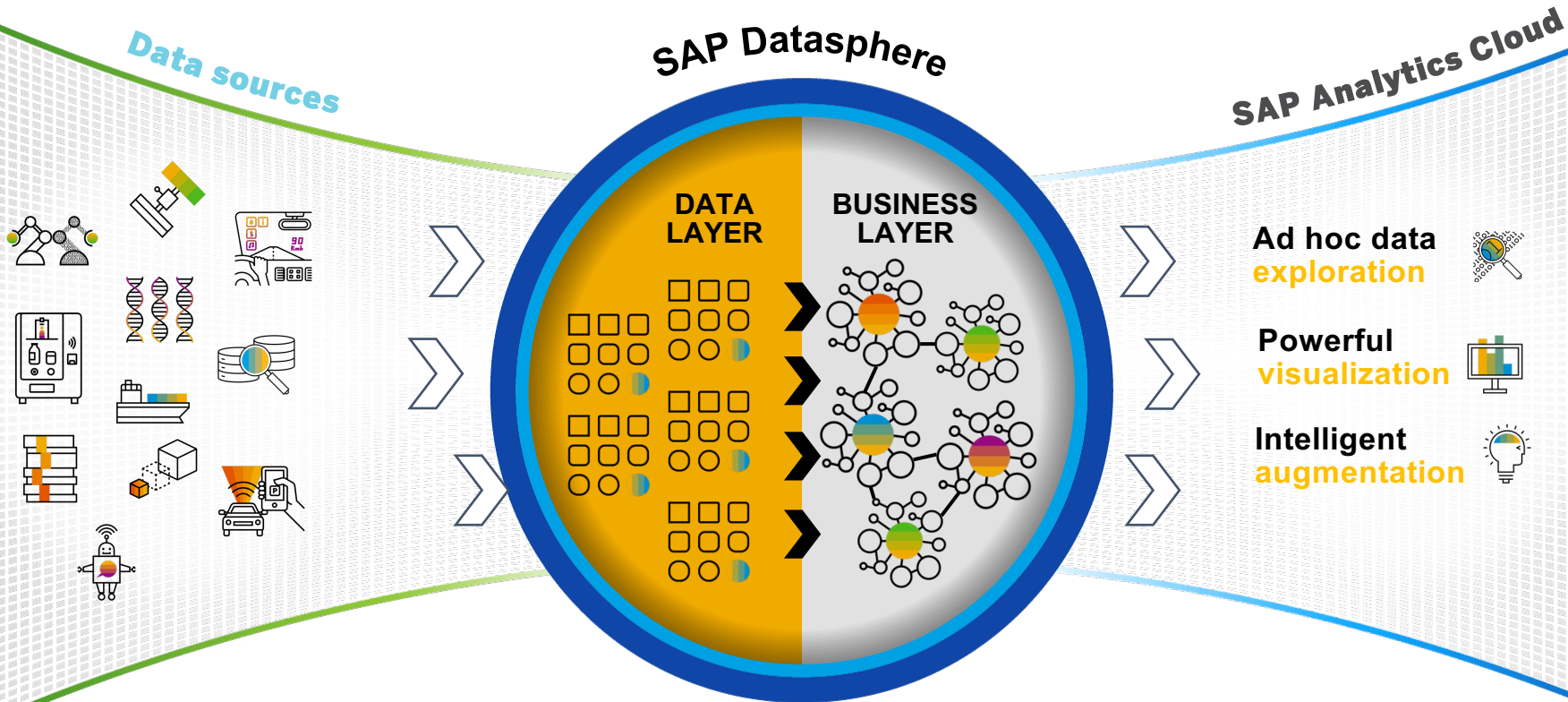
...How to break down
data silos?



... How to get
results faster?

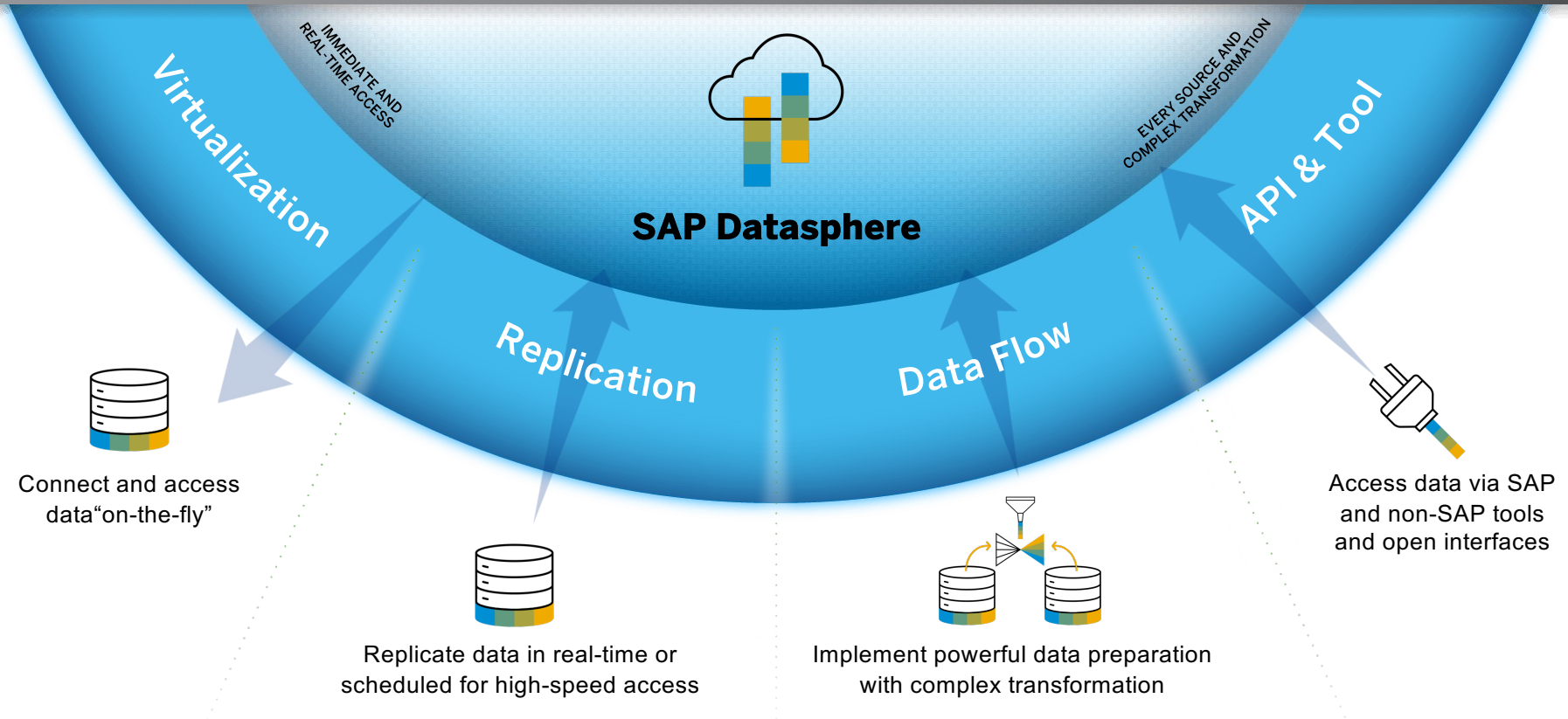
SAP Datasphere

Integrate from data to insight with SAP Analytics Cloud



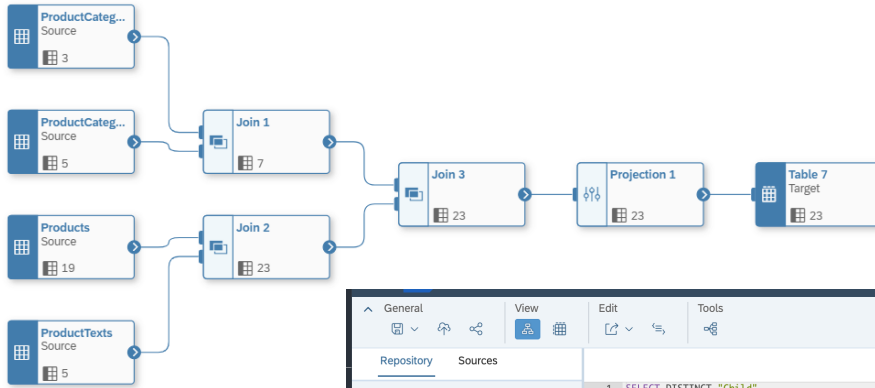
SAP Datasphere

Connect and collect data flexibly – catering to all styles of data integration



SAP Datasphere

User experience



The screenshot shows the SAP Datasphere interface with a SQL query editor and a model properties panel.

SQL Query:

```
1 SELECT DISTINCT "Child",
2   "Parent",
3   TextCat
4 FROM (
5   SELECT DISTINCT concat('MAJ-', "ProductCat"."PRODUCTMAJGROUP") AS "Child",
6     "ROOT" AS "Parent",
7     "ProductCat"."PRODUCTMAJGROUP" AS "TextCat"
8 FROM "ZDWH_PRODUCT" AS "ProductCat"
9 WHERE "ProductCat"."PRODUCTMAJGROUP" != ''
10    AND "ProductCat"."PRODUCTMAJGROUP" IS NOT NULL
11 UNION ALL
12 SELECT DISTINCT concat('INT-', PRODUCTINTGROUP) AS "Child",
13   CASE WHEN "PRODUCTMAJGROUP" IS NULL THEN 'ROOT' ELSE concat('MAJ-', "ProductCat"."PRODUCTMAJGROUP") END AS "Parent",
14   PRODUCTINTGROUP AS "TextCat"
15 FROM "ZDWH_PRODUCT" AS "ProductCat"
16 WHERE "ProductCat"."PRODUCTINTGROUP" != ''
17    AND "ProductCat"."PRODUCTINTGROUP" IS NOT NULL
18 UNION ALL
19 SELECT DISTINCT concat('MIN-', "PRODUCTMINGROUP") AS "Child",
20   CASE WHEN "PRODUCTINTGROUP" IS NULL THEN 'ROOT' ELSE concat('INT-', "PRODUCTINTGROUP") END AS "Parent",
21   "PRODUCTMINGROUP" AS "TextCat"
22 FROM "ZDWH_PRODUCT" AS "ProductCat"
23 UNION ALL
24 SELECT DISTINCT "ProductCat"."PRODUCT" AS "Child",
25   concat('MIN-', "PRODUCTMINGROUP") AS "Parent",
26   "ProductCat"."PRODUCT" AS "TextCat"
27 FROM "ZDWH_PRODUCT" AS "ProductCat")
```

Model Properties:

- Business Name: **H_ProductCategory_SQL**
- Technical Name: H_ProductCategory_SQL
- Language: SQL (Standard Query)
- Semantic Usage: **Hierarchy**
- Parent-Child Hierarchy: **+**
- Parent: **ParentCategorie**
- Child: **Child**
- Expose for Consumption: **ON**
- Run in Analytical Mode: **?**



What about SAP BW ?

What about SAP BW ?

Statement of Direction



Statement of Direction

SAP continues to innovate Data Warehousing to enable the Intelligent Enterprise

SAP BW/4HANA

Safeguard investments by retaining mature and complex on-premises systems or move to the private cloud – in support of the “RISE with SAP” strategy.

With long-term support [commitment until 2040](#) SAP BW/4HANA remains a key solution in SAP’s portfolio and will be improved in the hybrid capabilities.

SAP Datasphere

Innovate with SAP’s strategic target solution for all data warehousing use cases, in line with our data-to-value portfolio strategy.

SAP Datasphere provides unique innovation beyond classic data warehousing – driving agility, business empowerment, and accelerated time-to-value.



What about SAP BW ?



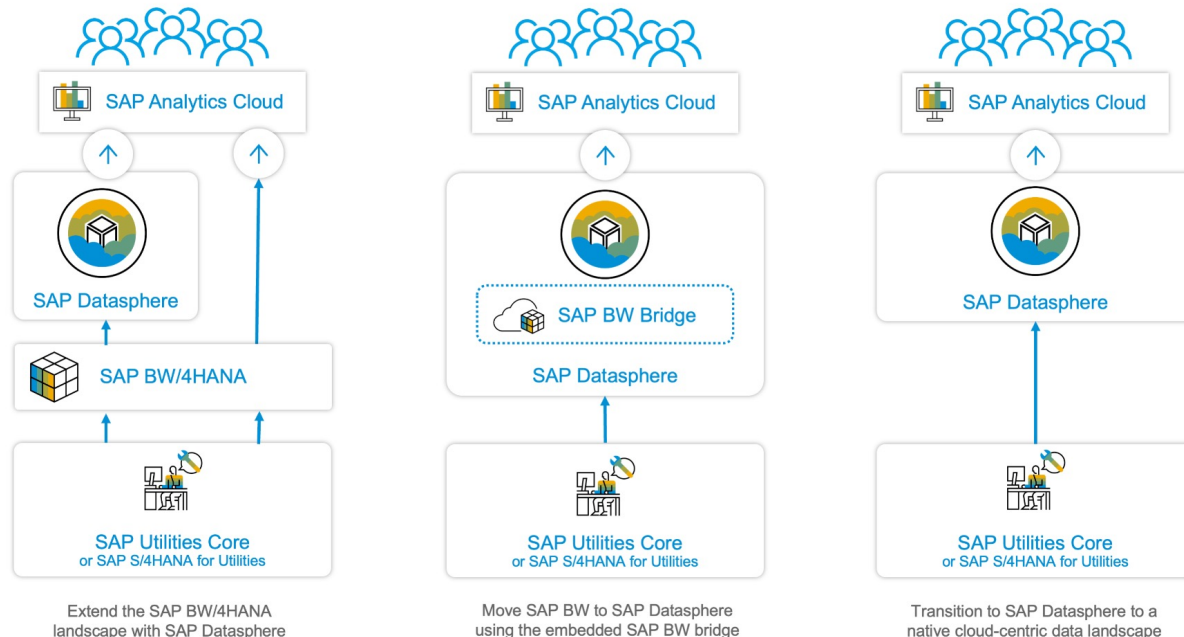
SAP Datasphere as a replacement or as a complement of SAP BW

- The main objective of SAP Datasphere is to speed up analysis processes:
 - You can use SQL commands to perform unions and joins on your data sets, as well as clean up the data
 - The learning curve is really fast
 - You can reuse the semantic layers of the CDS views from S/4HANA with one of the best integration possible
- But if you have been using SAP BW for a long time, what is the best path moving forward ?
- This is where it is important to understand the different approach:
 - SAP Datasphere as a complement of SAP BW
 - SAP Datasphere as a replacement of SAP BW
 - By redoing all the dataflows and transformations
 - By leveraging the SAP BW Bridge in order to reuse SAP BW transformations and providers

SAP Datasphere



From SAP BW to SAP Datasphere



Extend the SAP BW/4HANA landscape with SAP Datasphere

Move SAP BW to SAP Datasphere using the embedded SAP BW bridge

Transition to SAP Datasphere to a native cloud-centric data landscape

[See SAP Roadmap](#)



BI Strategy

BI Strategy

What's a BI/Reporting strategy ?



- Please raise your hands if you are using reports / KPI's as of today ?
- Please keep your hand raised if you feel that you have a Reporting Strategy ?
- Please keep your hand raised if you feel that the reporting strategy is written down and communicated through the organization ?

BI Strategy

It's all around us



- We do live in a world of strategies!! It's everywhere!



BI Strategy

It's all around us



- Do you know what do we use to measure all those strategies ??



BI Strategy

Why do I need a BI Strategy ?



BI Strategy

Why do I need a BI Strategy ?



- Multiple versions of truth
- Data quality issue
- Business Analyst passing too much time validating the data instead of analyzing it
- Unclear business logics
- Not the appropriate tools
- BI team overloaded with too many requests

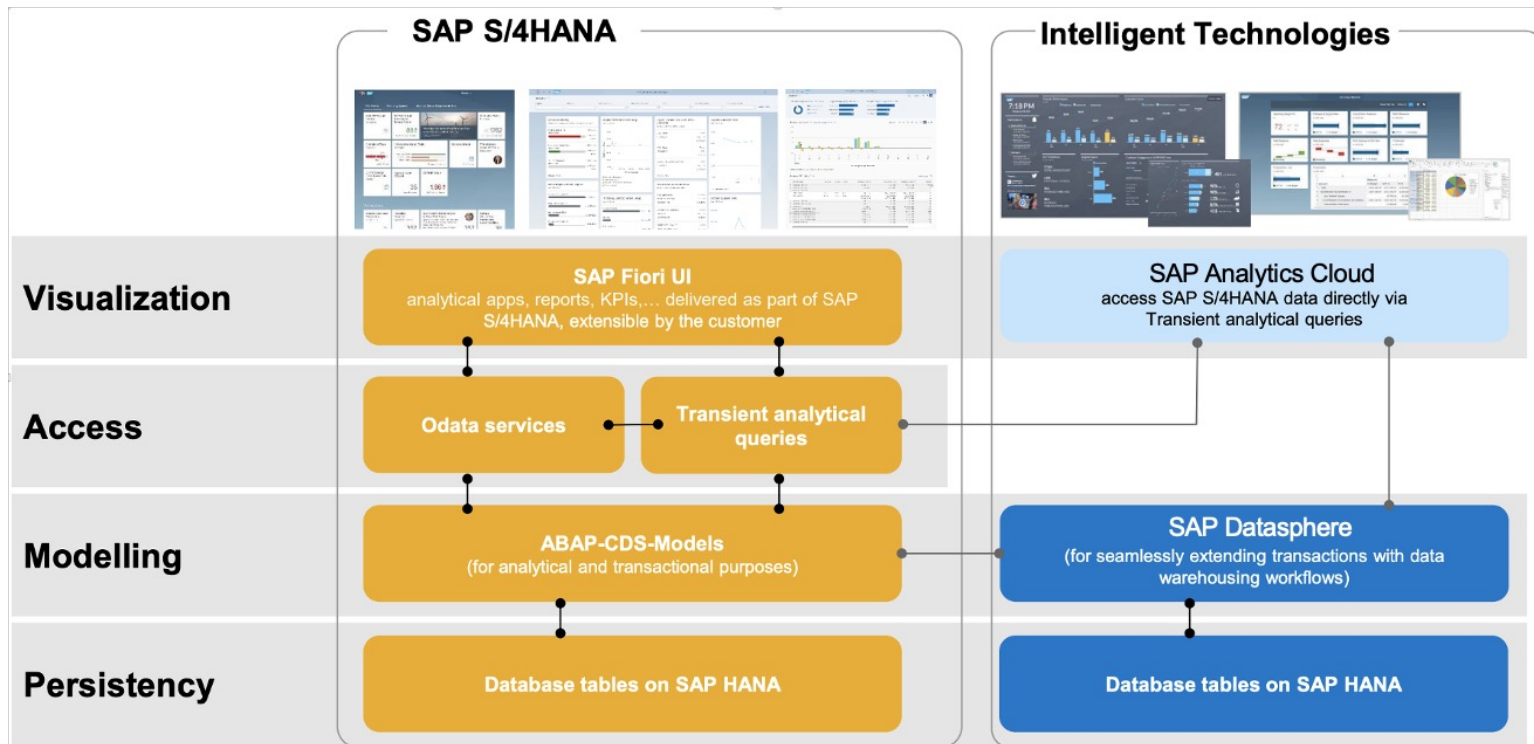
It is crucial to create a Business Intelligence Strategy that is aligned with your overall corporate strategy.



Key Takeaways

Key takeaways

Your BI & Analytics Journey with SAP



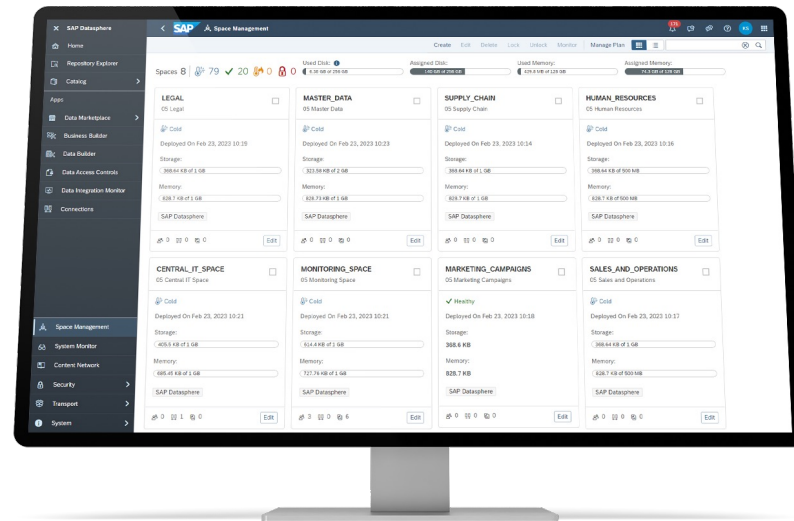
Key takeaways

Your Reporting & Analytics Journey with SAP



- Get the right BI Strategy
- Take advantage of the standard contents, embedded analytics and accelerators
- Leverage the right solutions by thinking about the integration with other solutions, ease of use and aligned with your strategy
- Leverage augmented analytics, AI and ML

Do not hesitate to reach out to us for any questions, demo or support





Questions?

THANK YOU!

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Cape Town 8005

