SAPinsider

Life After BPC: How do SAP Group Reporting and SAP Analytics Cloud Support Effective Processes

Dr. Marco Sisfontes-Monge— Dec 1, 2021

New York, USA

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FINANCIAL MANAGEMENT ARTICLES

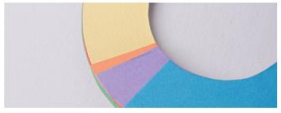
Creating a Real-Time Cash Flow Report Using SAP S/4HANA Group Reporting

Reading time: 16 mins

AI & MACHINE LEARNING ARTICLES

Performing Planning and Calculations in SAP Analytics Cloud (SAC): Working with Data Actions

Reading time: 11 mins



DATA & ANALYTICS ARTICLES

Oil and Gas Industry Spotlight: A Conceptual Look at How to Apply SAP BusinessObjects Planning and Consolidation to Upstream Operations

Reading time: 11 mins

CLOUD DEPLOYMENT & INFRASTRUCTURE ARTICLES

Creating Dynamic Charts and Tables Using SAP Analytics Cloud

Reading time: 7 mins

Leverage SAP Integrated Business Planning for Forecasting

Creating Customized Menus and Tiles with SAP S/4HANA Embedded Analytics

FINANCIAL MANAGEMENT ARTICLES

Working with the Data Monitor in SAP S/4HANA Finance for Group Reporting

Reading time: 12 mins

AI & MACHINE LEARNING ARTICLES

Using Artificial Intelligence with SAP for Dynamic Financial Environments

Reading time: 17 mins

CUSTOMER EXPERIENCE ARTICLES

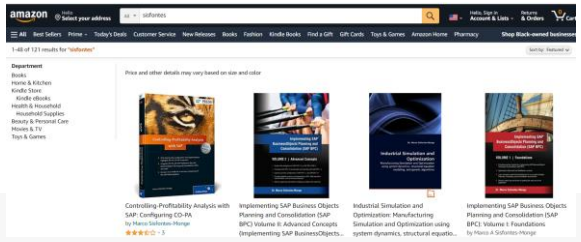
Improve Customer Experience with MS Excel Visual Basic for Applications

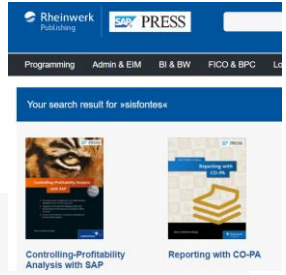
Reading time: 12 mins

AI & MACHINE LEARNING ARTICLES

A General Overview of SAP Analytics Cloud

Reading time: 7 mins





<u>Dr. Marco Sisfontes-Monge</u> is a managing partner of Arellius Enterprises. For more than 15 years he has supported SAP implementers, direct clients, and other customers in Europe, North America, Latin America, Australia, Asia, Middle East and Africa in the industries of automotive, insurance, pharmaceutical and healthcare, semiconductor, logistics, software, consumer goods, utilities, chemical, oil and gas, exploration and natural resources, discrete and process manufacturing, retail, and financial services. He also has finance specializations from the London Business School and Saïd Business School from University of Oxford in England. You may contact him via email at msisfontes@arelliusenterprises.com.

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What We'll Cover

SAP BPC Current State

- The BPC Journey
- When your SAP BPC version becomes obsolete

New Tools, New Technology

- More Solutions for Planning and Consolidation
- Finance now more in touched with Supply Chain
- SAP Consolidation concept has been expanded.

Possible Strategies

- Go to the "Dark Side"
- Do Nothing
- BPC "Upgrade"
- Rebuild
- Hybrid

SAP BPC Current State

SAP BPC has been… a LOVE STORY….

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However, there are new options in the horizon….

PLANNING

CONSOLIDATION

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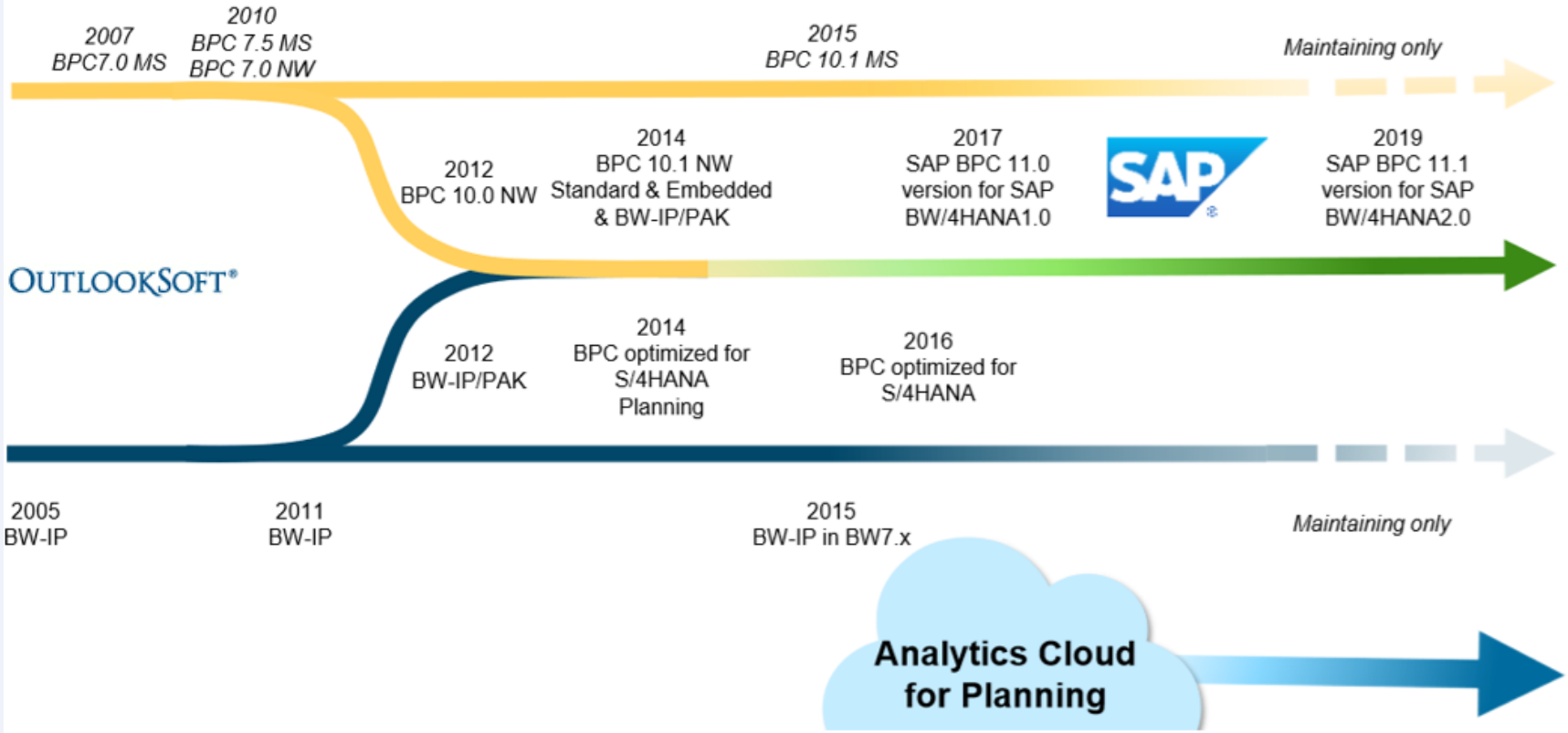
BPC Journey


2007
BPC7.0 MS
2010
BPC 7.5 MS
BPC 7.0 NW
2015
BPC 10.1 MS
Maintaining only
2012
BPC 10.0 NW
2014
BPC 10.1 NW
Standard & Embedded
& BW-IP/PAK
2017
SAP BPC 11.0
version for SAP
BW/4HANA1.0
SAP
2019
SAP BPC 11.1
version for SAP
BW/4HANA2.0
OUTLOOKSOFT®
2012
BW-IP/PAK
2014
BPC optimized for
S/4HANA
Planning
2016
BPC optimized for
S/4HANA
2005
BW-IP
2011
BW-IP
2015
BW-IP in BW7.x
Maintaining only
Analytics Cloud
for Planning

NO MORE SAP INVESTMENTS IN SAP BPC
(No more Upgrades, No New Versions, No more Patches)

Product	End of Maintenance
BPC 10.0 MS	12/31/2020
BPC 10.1 MS	12/31/2024
BPC 10.0 NW	12/31/2020
BPC 10.1 NW	12/31/2027
BPC 10.1 Optimized for S/4HANA	12/31/2024
BPC 11.0 for BW/4HANA 1	12/31/2021
BPC 11.1 for BW/4HANA 2	12/31/2024

New Tools,
New Technology

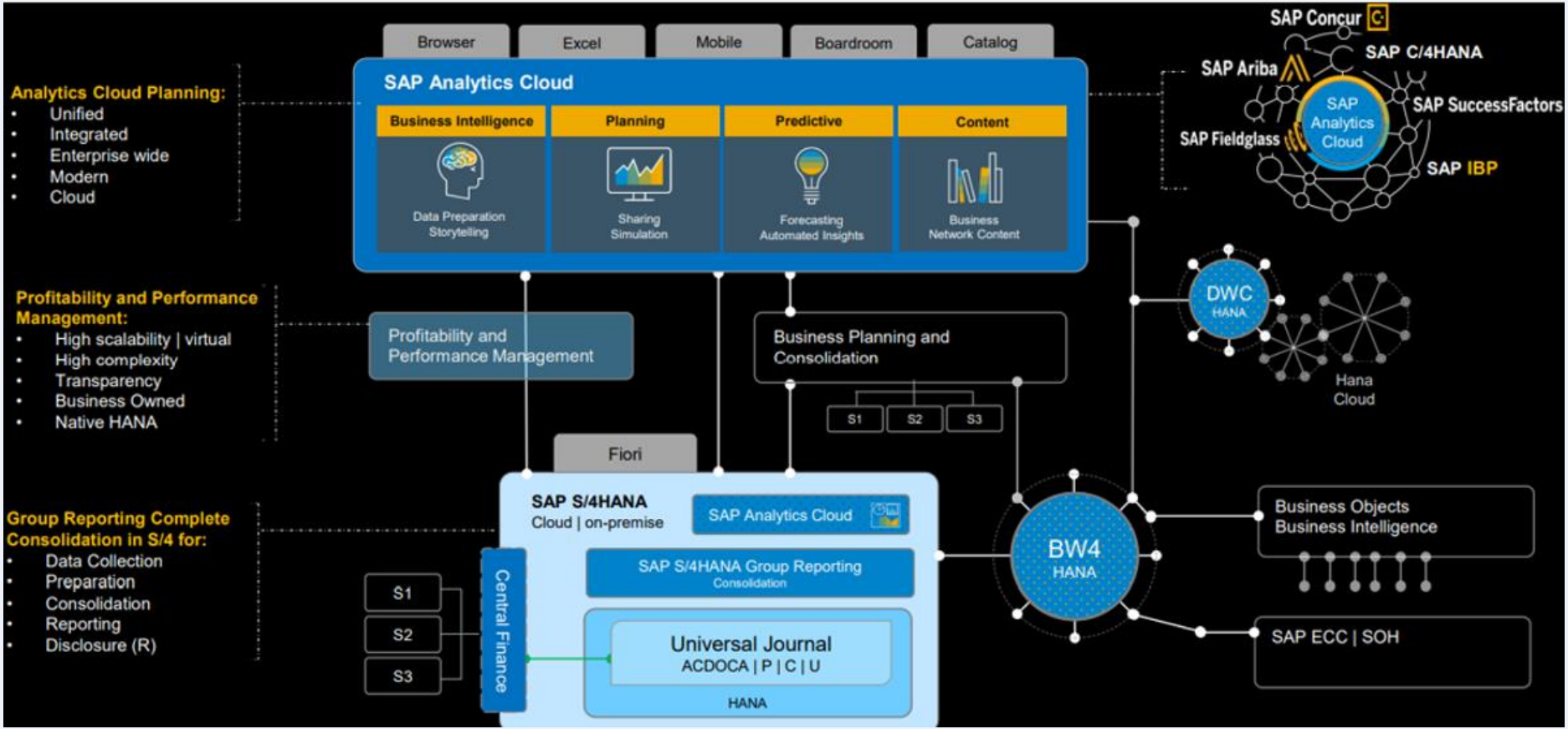
Planning

SAP BPC

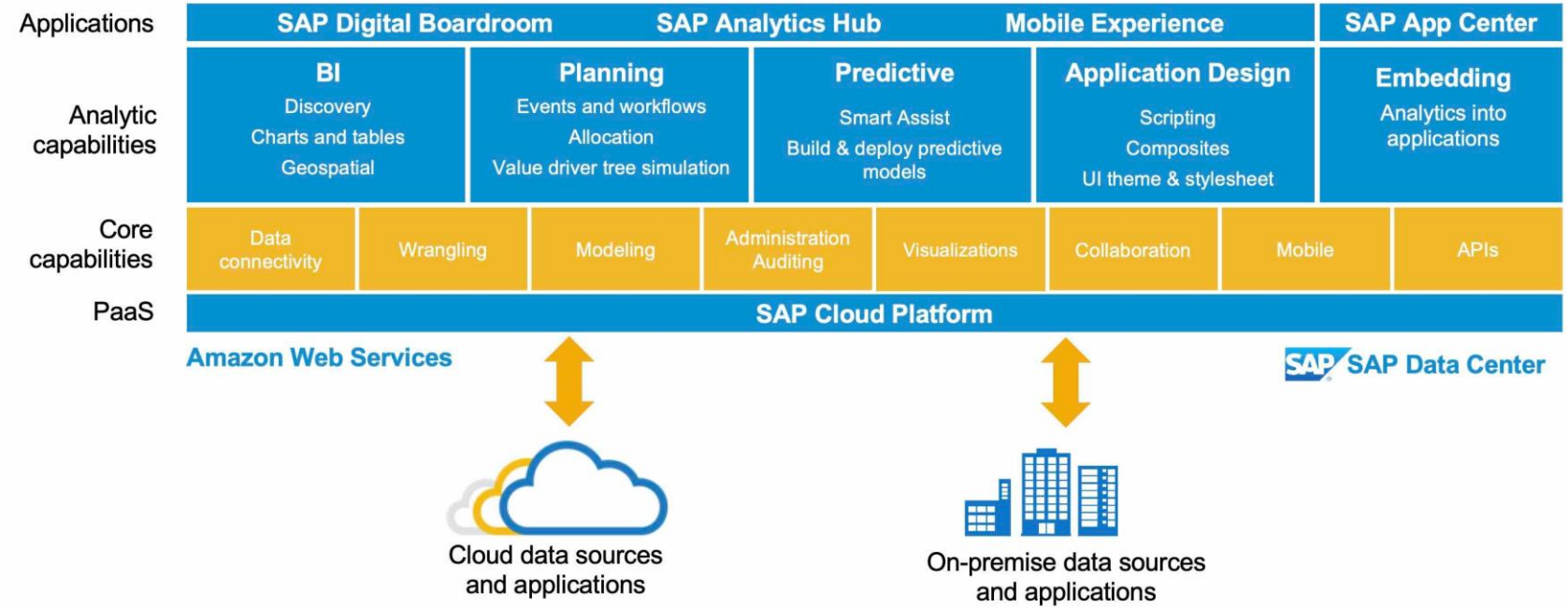
Consolidation

- SAP Analytics Cloud (SAC)
- SAP IBP (Cloud, Supply Chain Solution)
- SAP Profitability and Performance Management (PAM)
- SAP Margin Analysis (COPA)
- SAP S/4 HANA PP/DS (“New APO”)

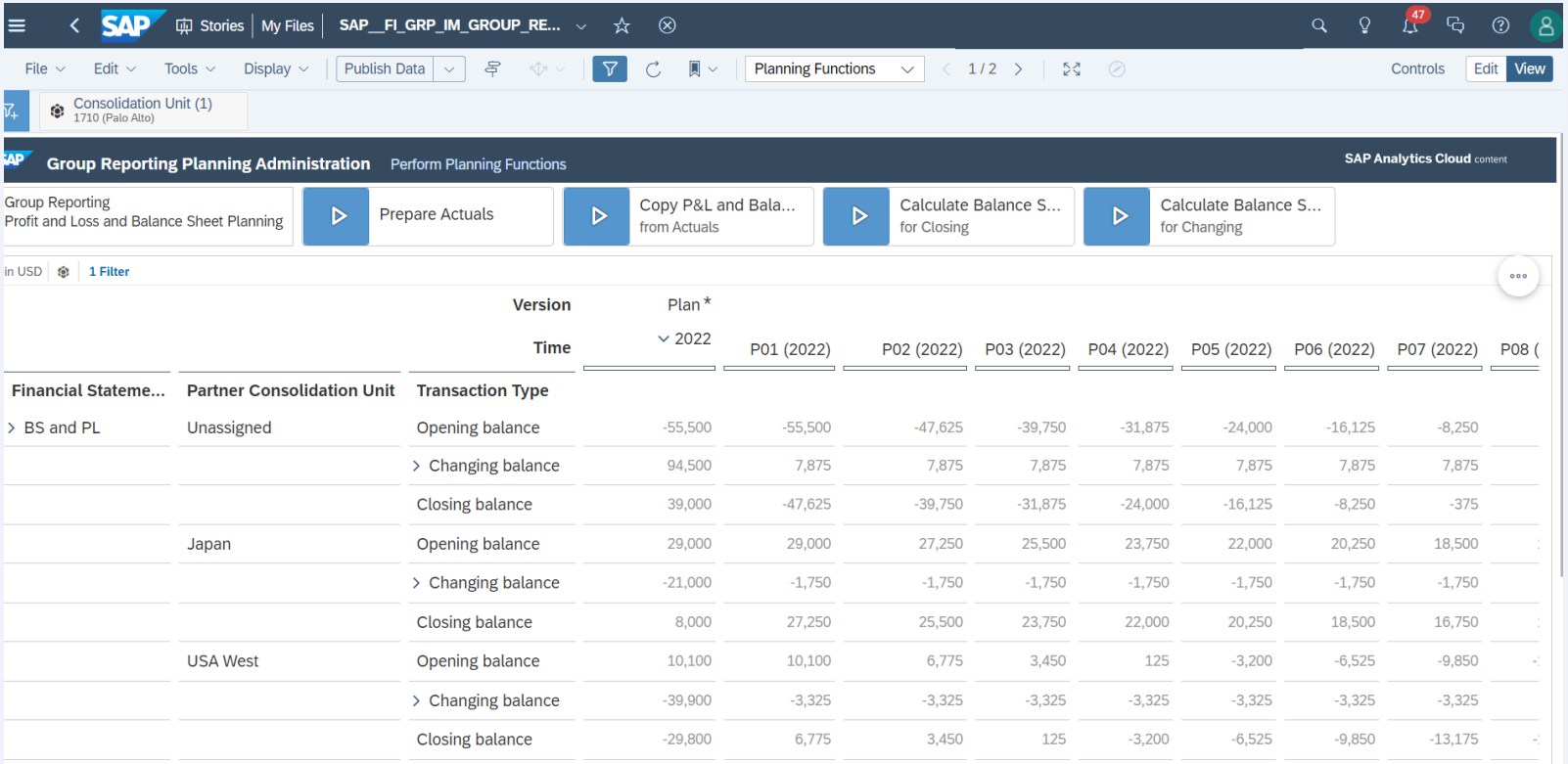
- SAP S/4 HANA for Group Reporting (Consolidation)
- Intercompany Matching & Reconciliation (ICMR)
- SAP S/4 HANA Group Reporting Data Collection. (GRDC)
- SAP S/4HANA Cloud/OP for intelligent intercompany reconciliation (iICR)- Machine Learning
- SAP Disclosure Management


Analytics Cloud Planning:
• Unified
• Integrated
• Enterprise wide
• Modern
• Cloud
Profitability and Performance Management:
• High scalability | virtual
• High complexity
• Transparency
• Business Owned
• Native HANA
Group Reporting Complete Consolidation in S/4 for:
• Data Collection
• Preparation
• Consolidation
• Reporting
• Disclosure (R)
Browser
Excel
Mobile
Boardroom
Catalog
SAP Analytics Cloud
Business Intelligence
Planning
Predictive
Content
Data Preparation
Storytelling
Sharing
Simulation
Forecasting
Automated Insights
Business
Network Content
SAP Concur
SAP C/4HANA
SAP Ariba
SAP Analytics Cloud
SAP SuccessFactors
SAP Fieldglass
SAP IBP
DWC
HANA
Hana
Cloud
Profitability and
Performance Management
Business Planning and
Consolidation
S1
S2
S3
Fiori
SAP S/4HANA
Cloud | on-premise
SAP Analytics Cloud
SAP S/4HANA Group Reporting
Consolidation
Central Finance
S1
S2
S3
Universal Journal
ACDOCA | P | C | U
HANA
BW4
HANA
Business Objects
Business Intelligence
SAP ECC | SOH

SAP Analytics Cloud (SAC) Architecture

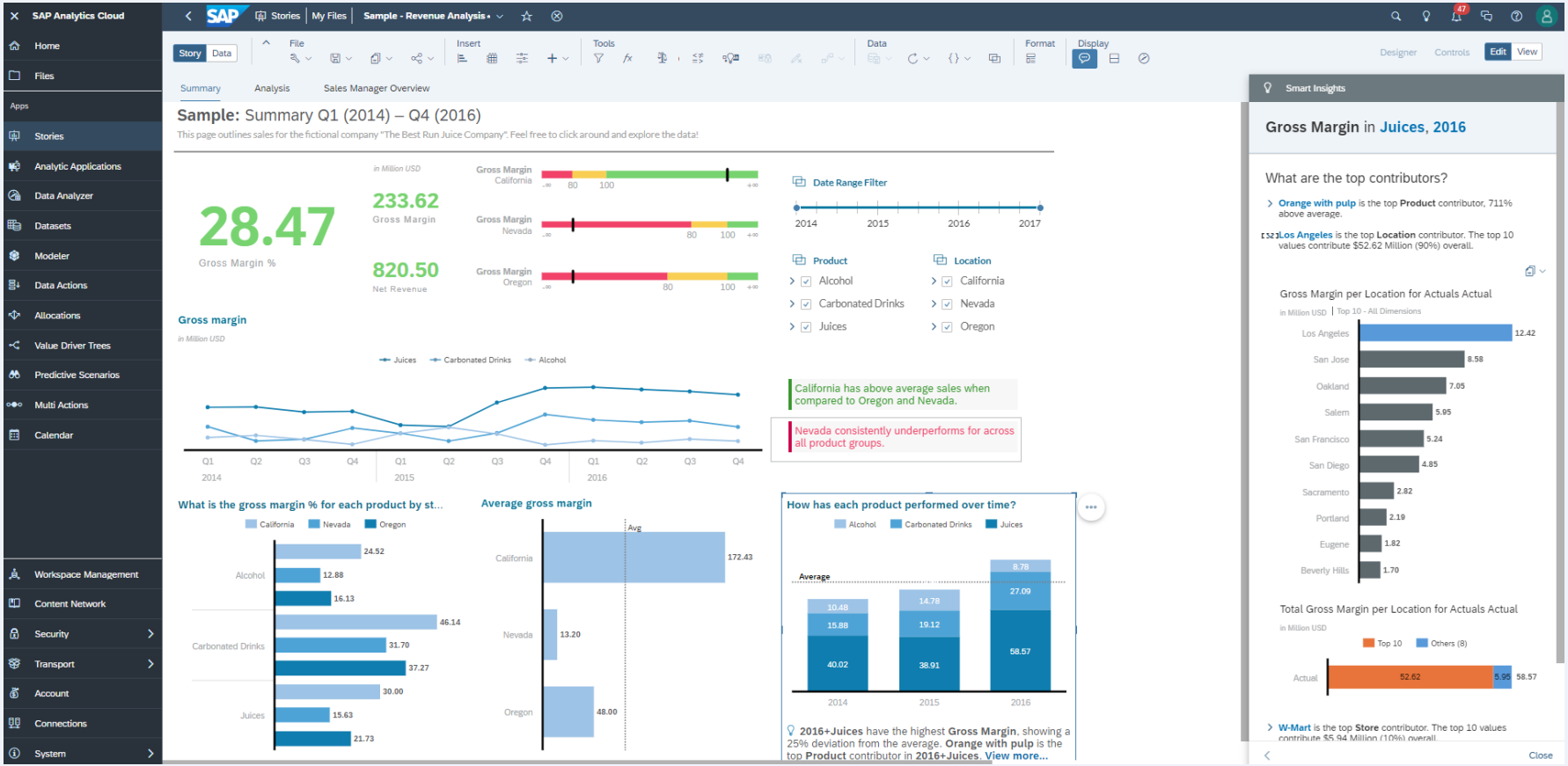


SAP Analytics Cloud (SAC)



		Version	Plan *							
		Time	2022	P01 (2022)	P02 (2022)	P03 (2022)	P04 (2022)	P05 (2022)	P06 (2022)	P07 (2022)	P08 (
Financial Stateme...	Partner Consolidation Unit	Transaction Type									
BS and PL	Unassigned	Opening balance	-55,500	-55,500	-47,625	-39,750	-31,875	-24,000	-16,125	-8,250	
		Changing balance	94,500	7,875	7,875	7,875	7,875	7,875	7,875	7,875	
		Closing balance	39,000	-47,625	-39,750	-31,875	-24,000	-16,125	-8,250	-375	
	Japan	Opening balance	29,000	29,000	27,250	25,500	23,750	22,000	20,250	18,500	
		Changing balance	-21,000	-1,750	-1,750	-1,750	-1,750	-1,750	-1,750	-1,750	
		Closing balance	8,000	27,250	25,500	23,750	22,000	20,250	18,500	16,750	
	USA West	Opening balance	10,100	10,100	6,775	3,450	125	-3,200	-6,525	-9,850	
		Changing balance	-39,900	-3,325	-3,325	-3,325	-3,325	-3,325	-3,325	-3,325	
		Closing balance	-29,800	6,775	3,450	125	-3,200	-6,525	-9,850	-13,175	

SAP Analytics Cloud (SAC)



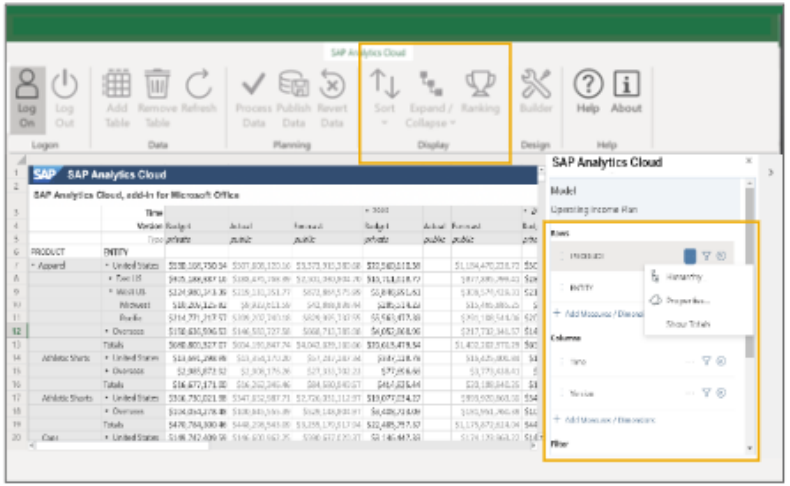
SAP Analytics Cloud (SAC): MS Excel Add-in

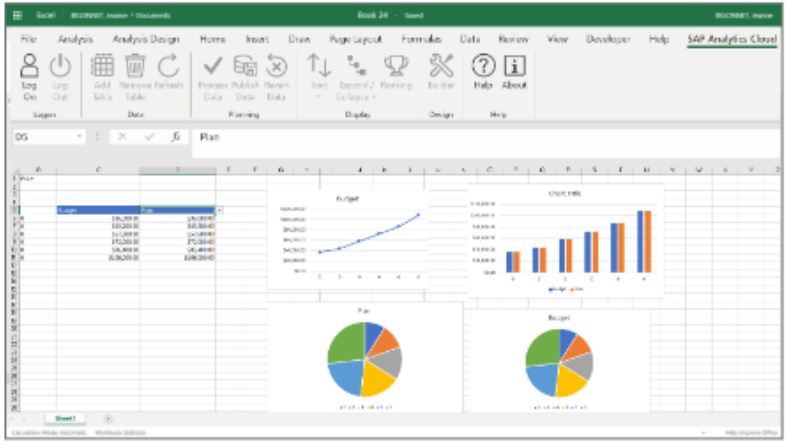
SAP Analytics Cloud, add-in for Microsoft Office

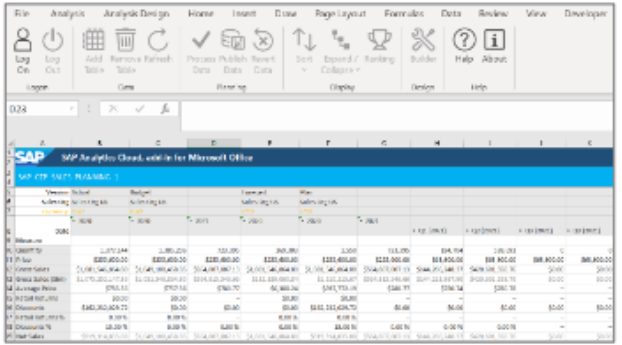
EXPLORE

Analyze using pivot table experience

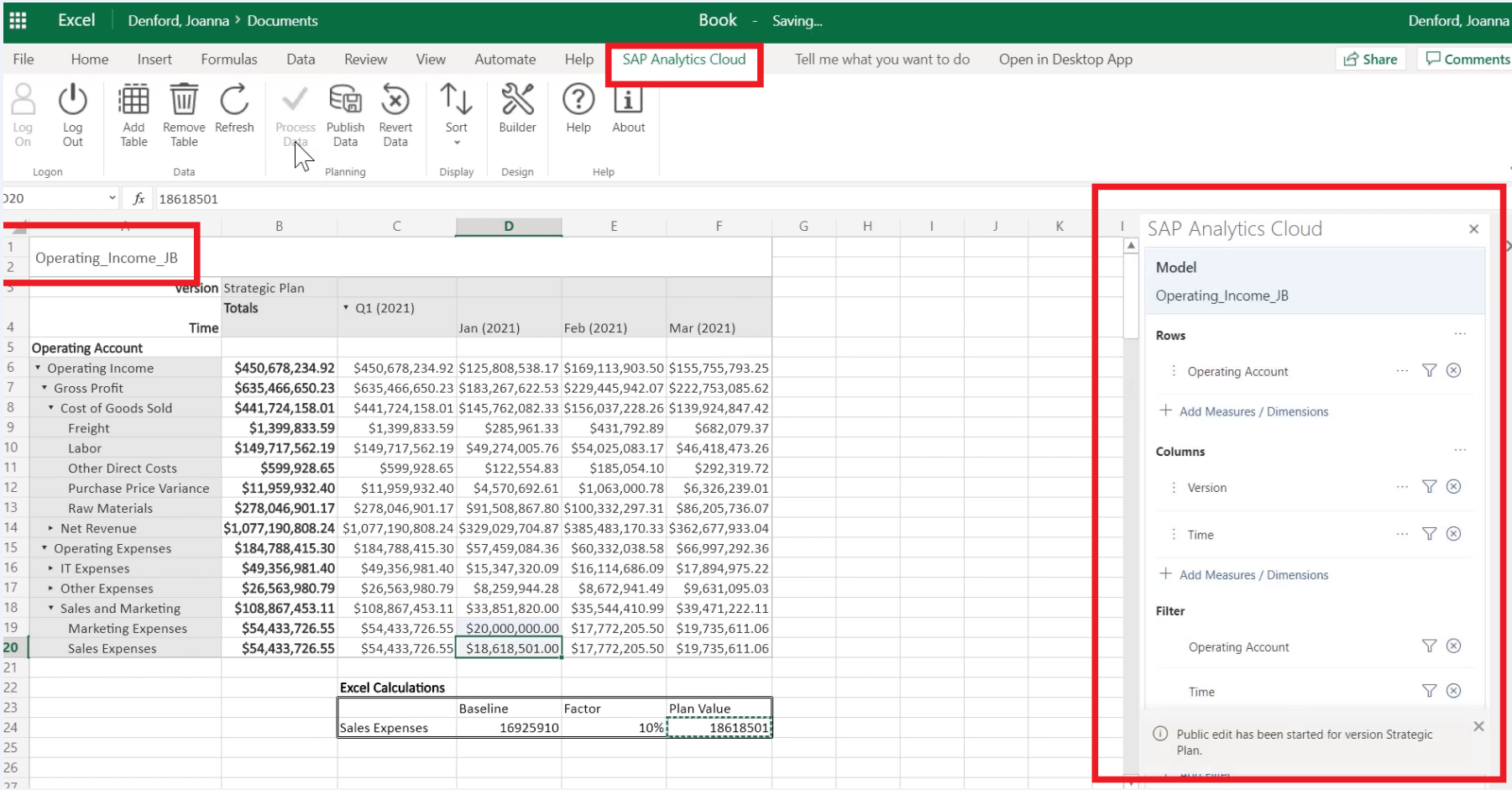
- Use built-in formulas and generate ad hoc reports
- Leverage data from your business hierarchies
- Rank, Sort data, create your “Top 10”…



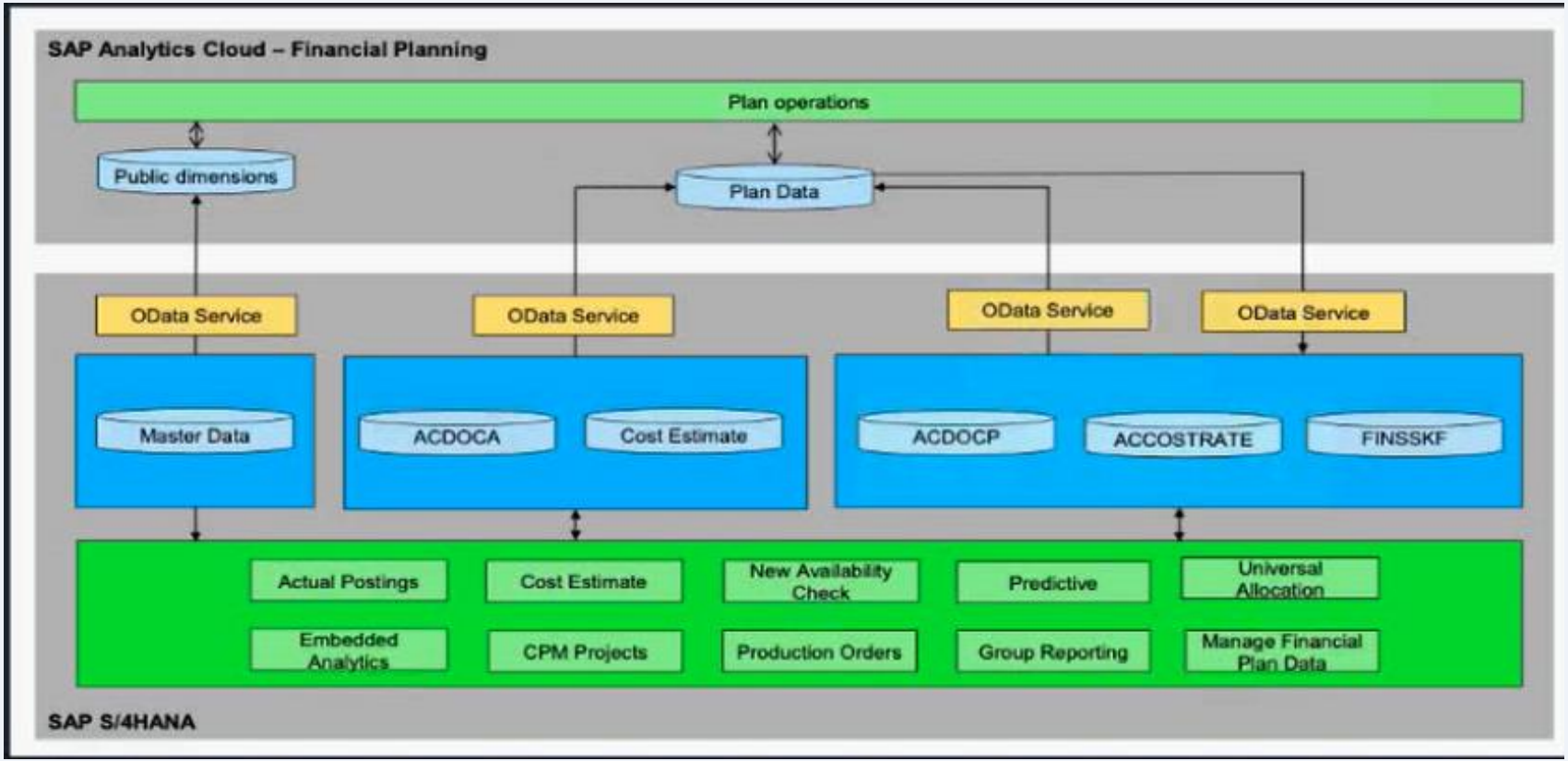




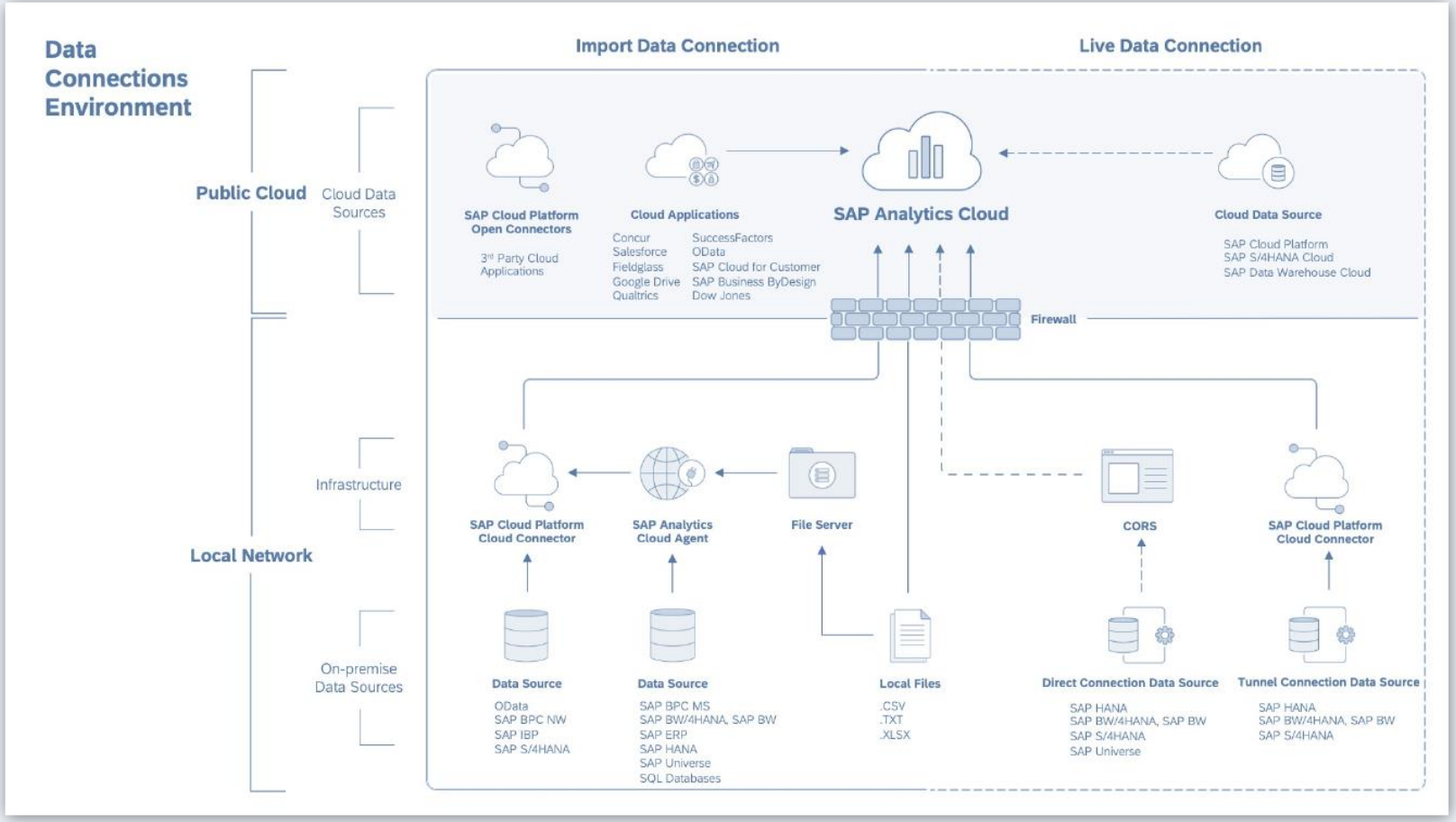
SAP Analytics Cloud (SAC): MS Excel Add-in



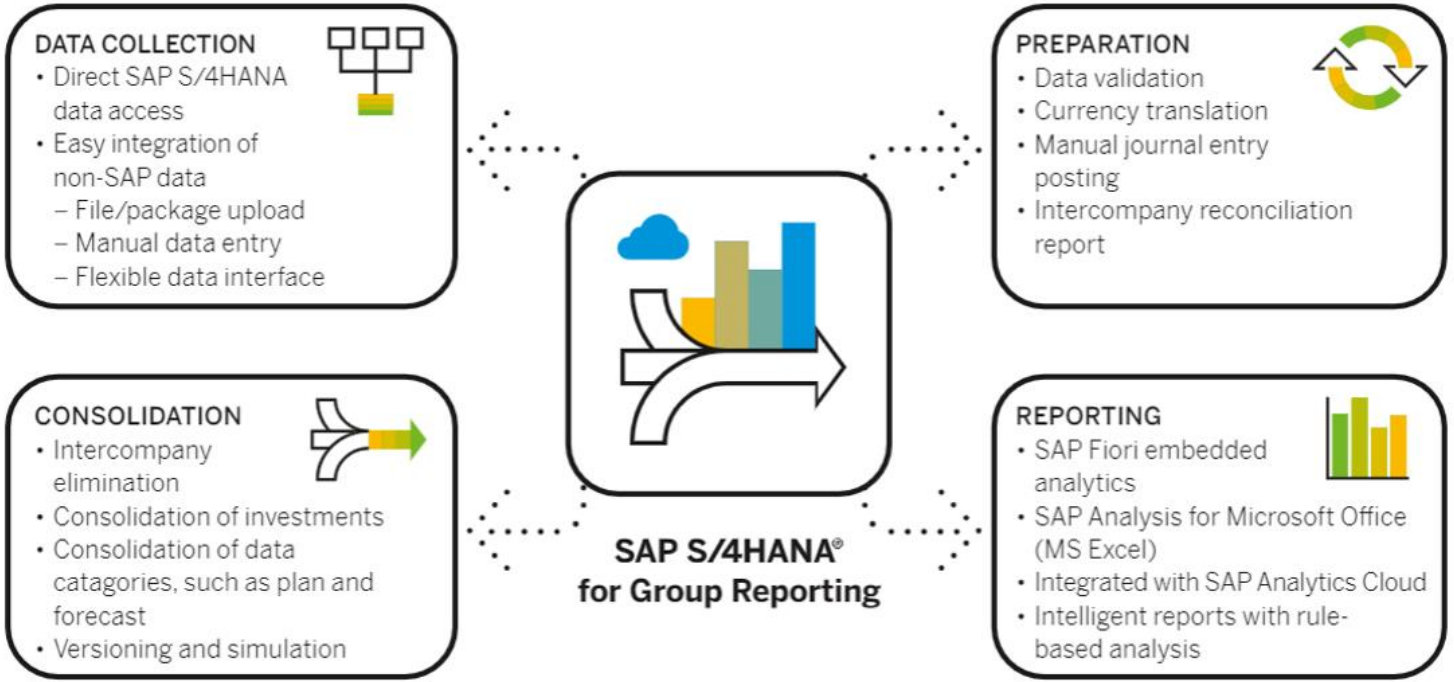
SAP Analytics Cloud (SAC)

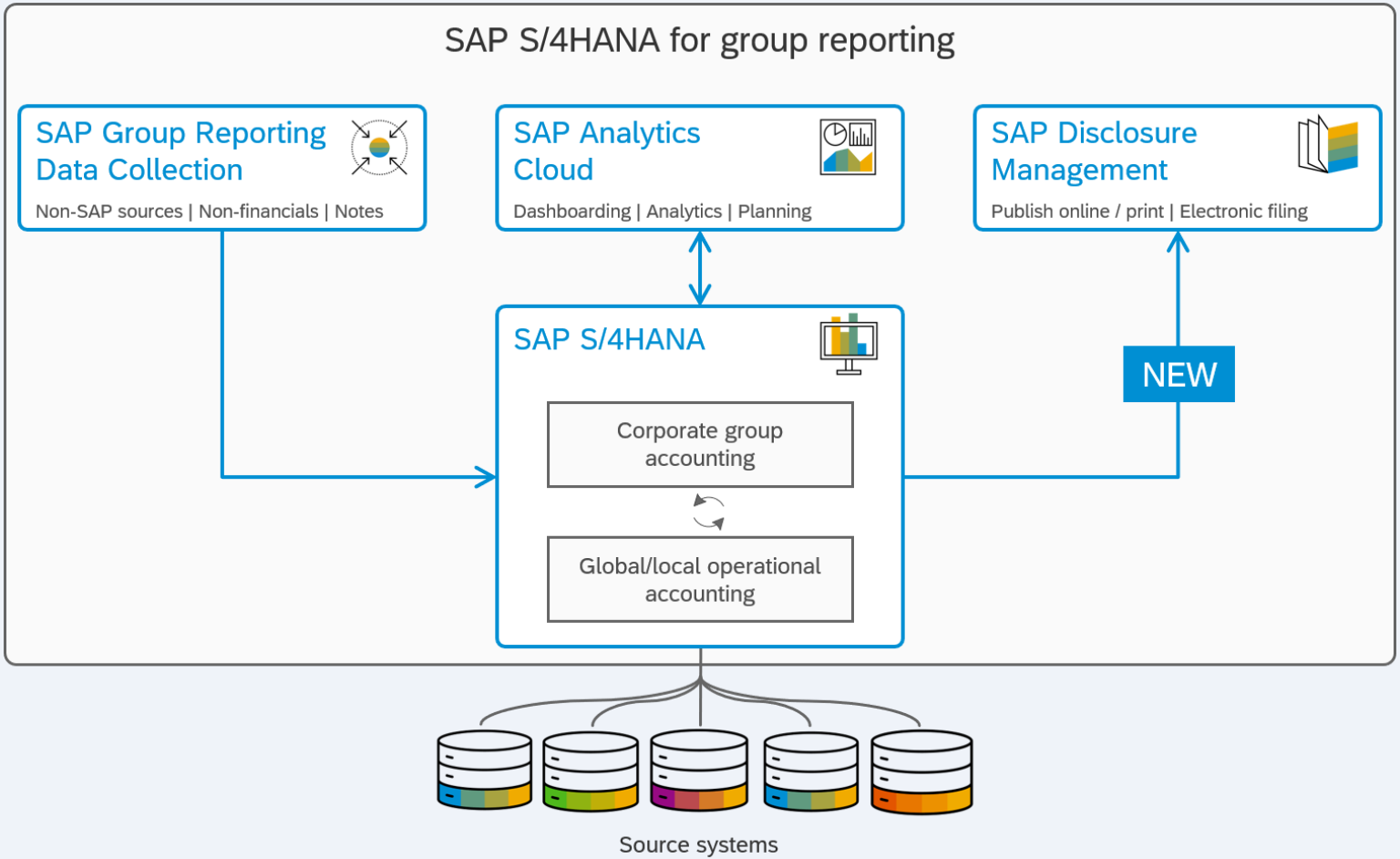


SAP Analytics Cloud (SAC) Interfaces

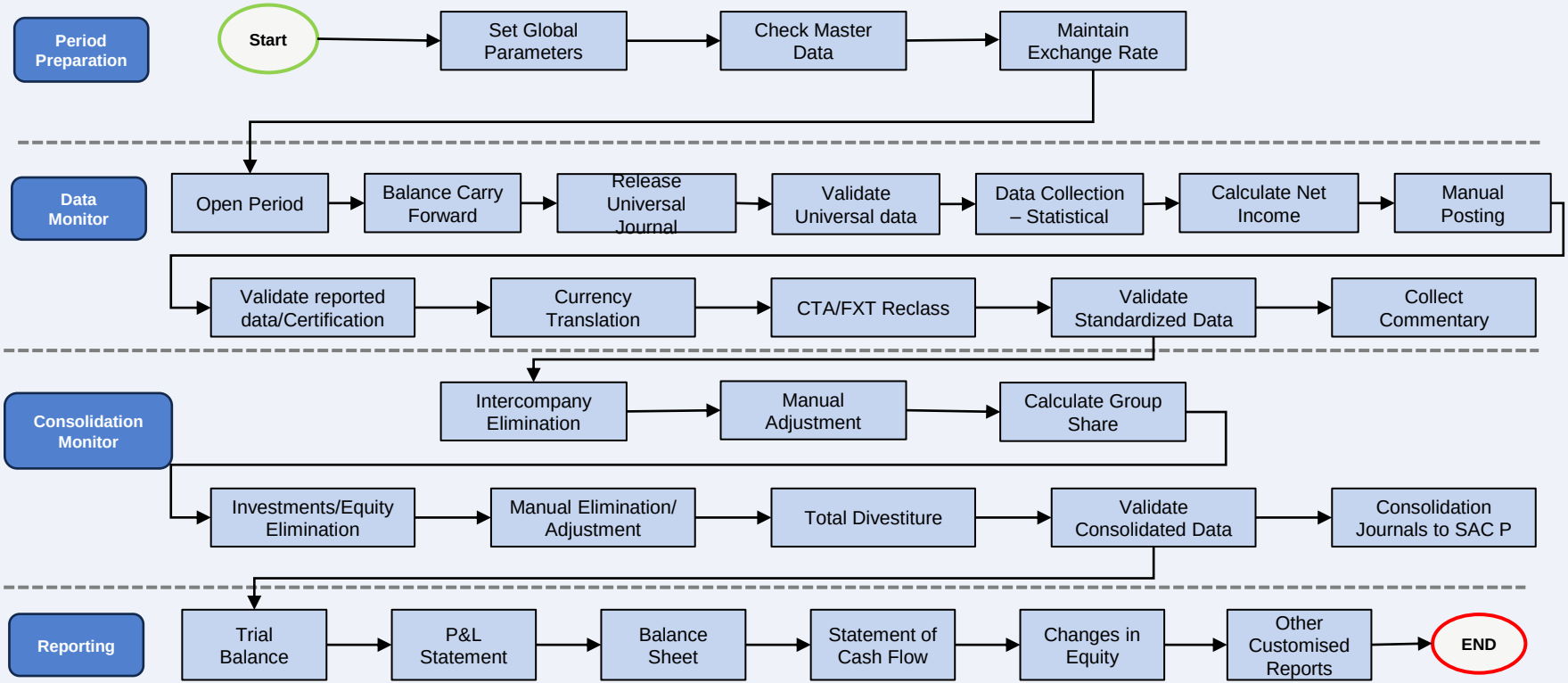


Group Reporting




SAP S/4HANA for group reporting
SAP Group Reporting Data Collection
Non-SAP sources | Non-financials | Notes
SAP Analytics Cloud
Dashboarding | Analytics | Planning
SAP Disclosure Management
Publish online / print | Electronic filing
SAP S/4HANA
Corporate group accounting
Global/local operational accounting
NEW
Source systems

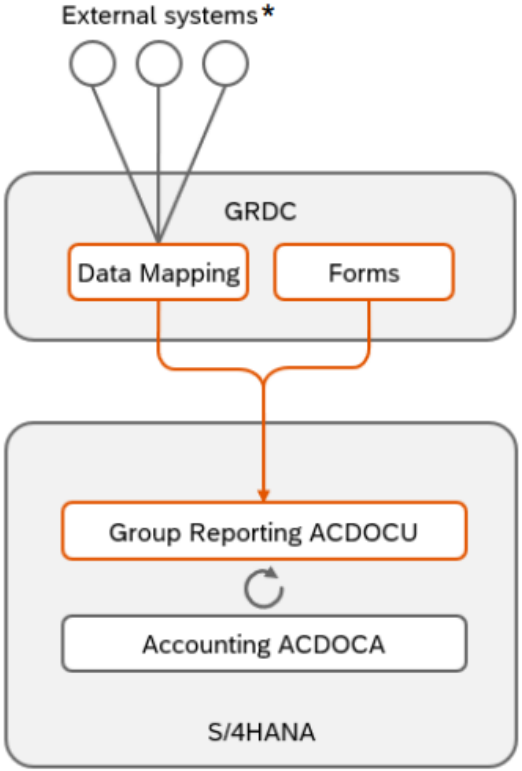
SAP Group Reporting Process, SAP S/4 HANA 2020 Version



SAP Group Reporting Data Collection (GRDC-Cloud Solution)

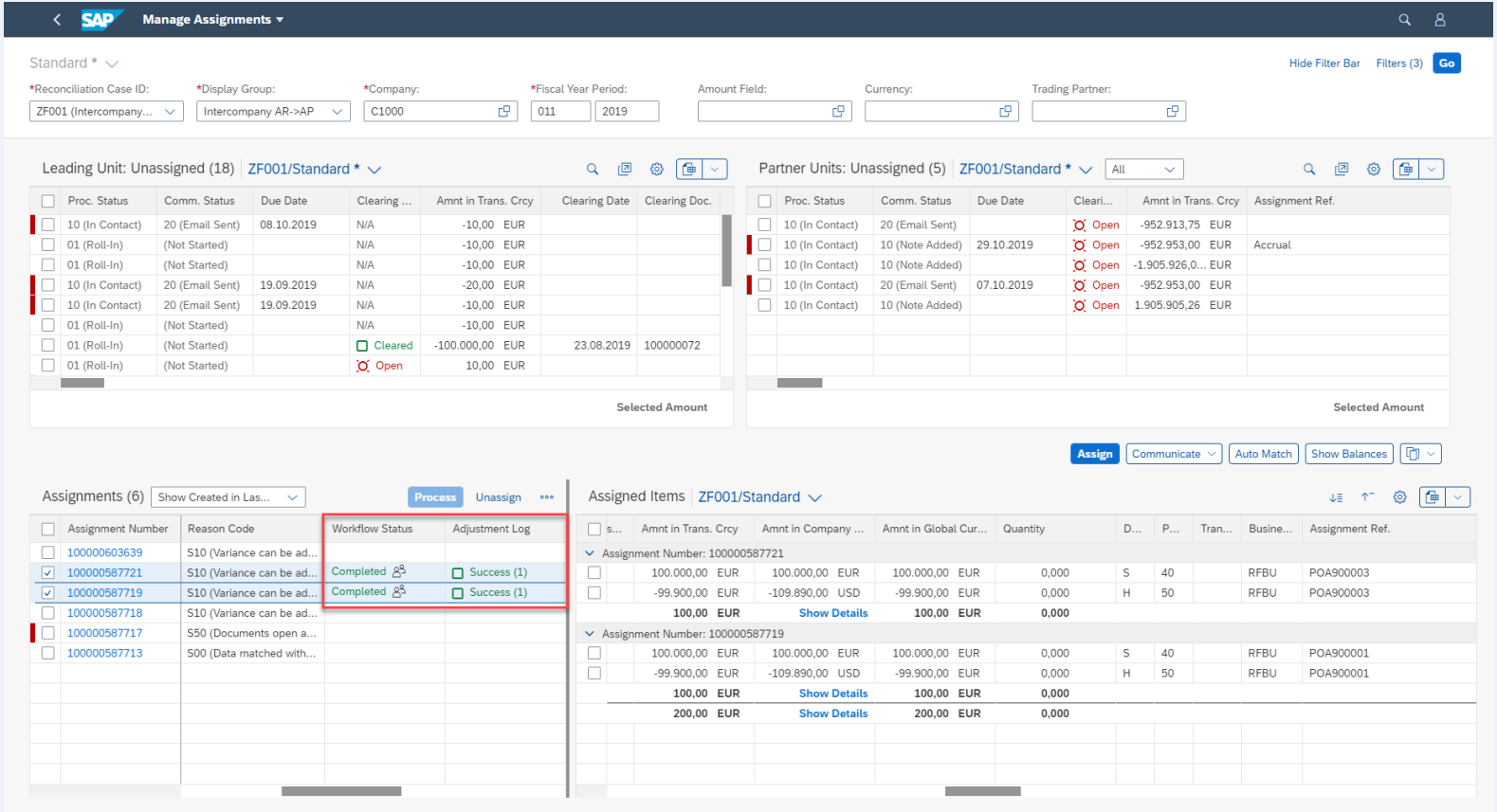
Architecture

- Our native cloud app is designed to provide agile and flexible data collection capability in SAP S/4HANA for group reporting.
- You can use SAP Group Reporting Data Collection to automatically load data from external systems - with data mapping - and create forms to collect financial or non-financial data manually in SAP S/4HANA for group reporting - with forms.
- As part of SAP product strategy for consolidation, our native cloud app integrates with SAP S/4HANA for group reporting, whether you use it on premise or in the cloud.
- We use SAP Business Technology Platform (SAP BTP) because it offers users the ability to turn data into business value, compose end-to-end business processes, and build and extend SAP applications quickly.
- By developing SAP Group Reporting Data Collection on SAP BTP, we can deliver innovation at a fast pace: you benefit from new and enhanced features every two weeks.



* SAP or non-SAP

SAP Intercompany Matching & Reconciliation (ICMR)



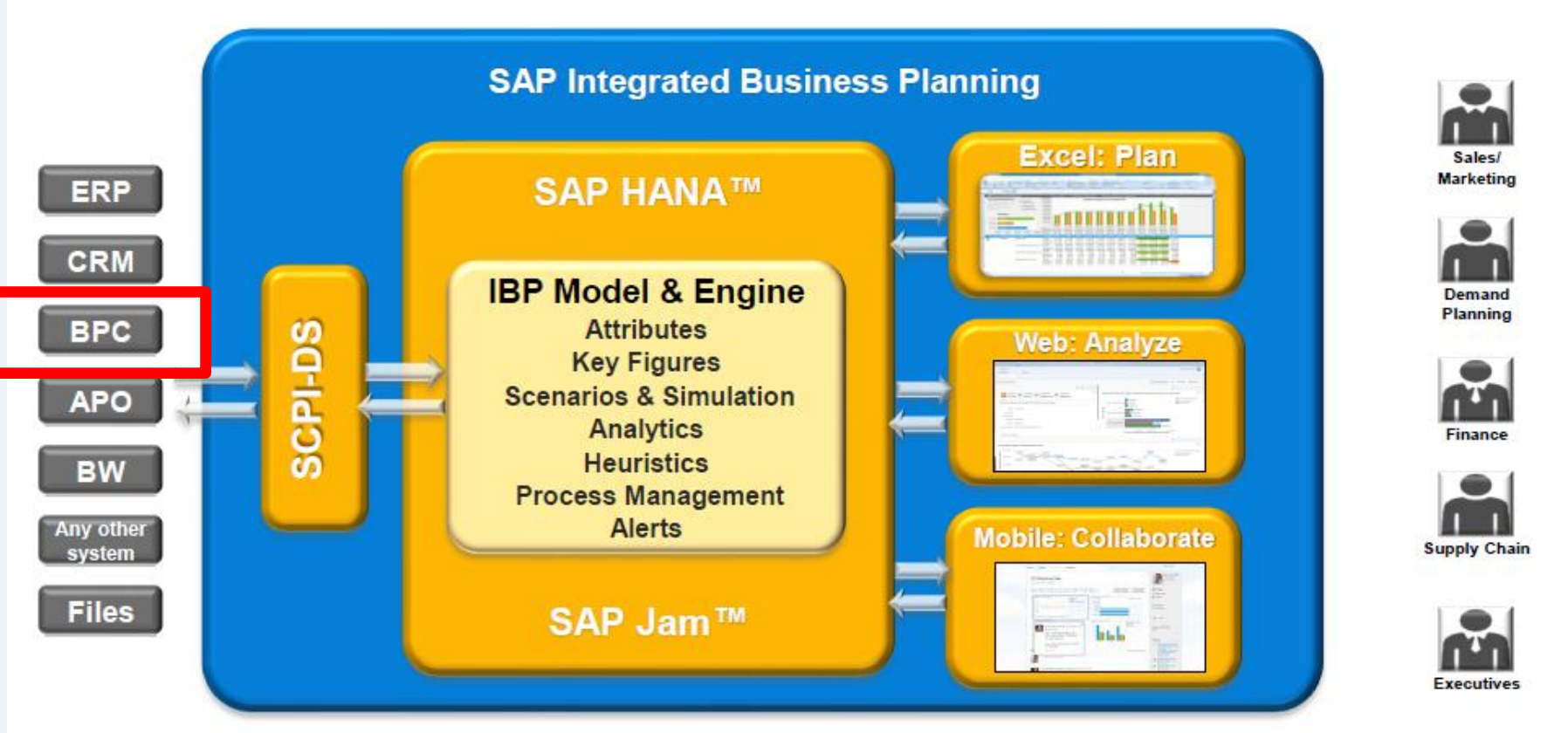
UPGRADE from SAP ERP Intercompany (ICR)

SAP S/4HANA Cloud/OP for intelligent intercompany reconciliation (iICR) (Machine Learning)

There are 6 main components in the architecture:

1. **Matching Engine** is the existing ICMR matching engine. It adds an AI agent to enable the connection with the ICR Service and ISLM.
2. **ICMR ML Apps** include the scheduling apps for training and inference, and a monitoring app to monitor the data sending and receiving.
3. **ISLM** (Intelligent Scenario Lifecycle Management) is used for the lifecycle management of ML models, for example, model deployment, model activation, and training and inference status monitoring.
4. **ICR Service** is deployed on BTP and exposed as RESTful endpoints. It does some pre- and post-processing to the training and inference data.
5. **GLIM** (Generic Line Item Matching) trains the matching models and runs the inference.
6. **ML Foundation** provides the underlying ML functionalities.

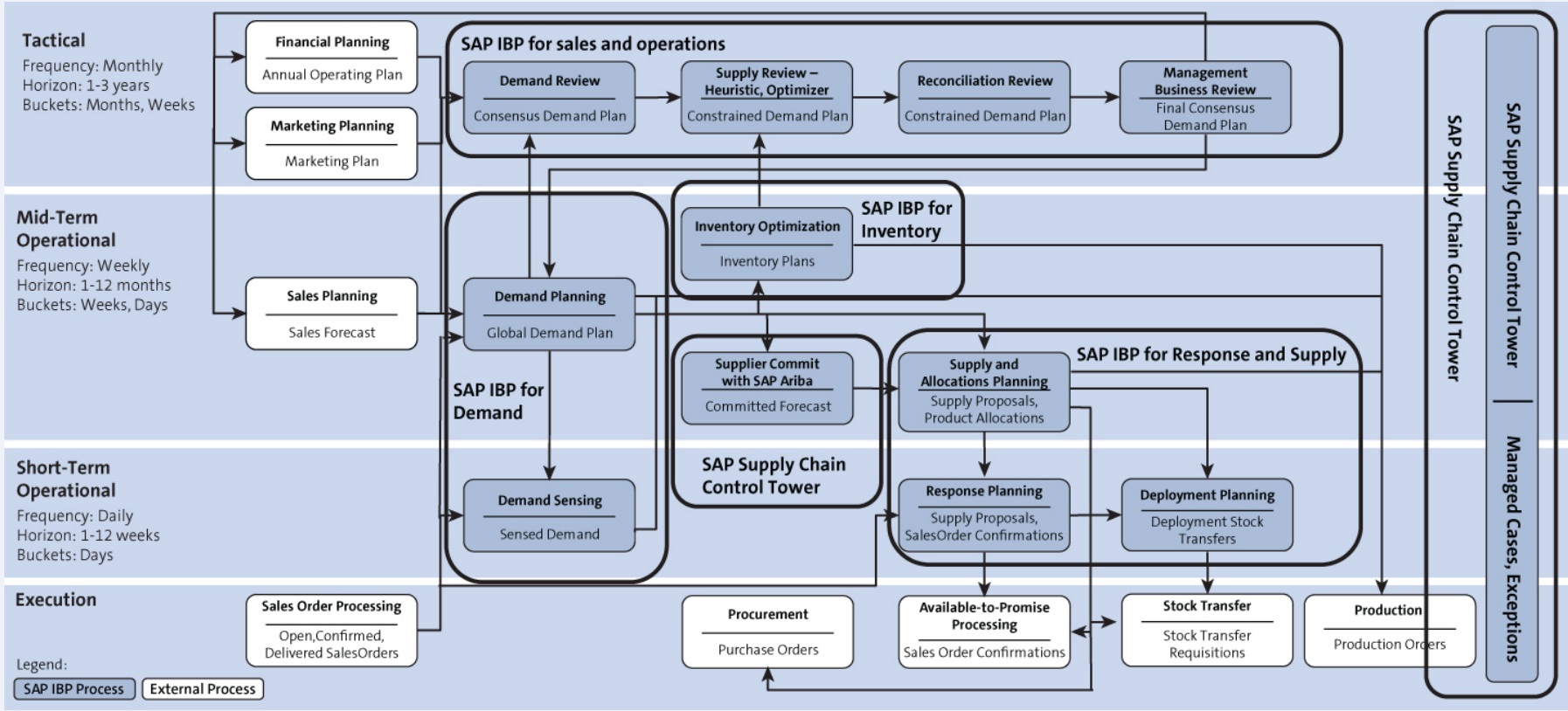
SAP IBP Architecture



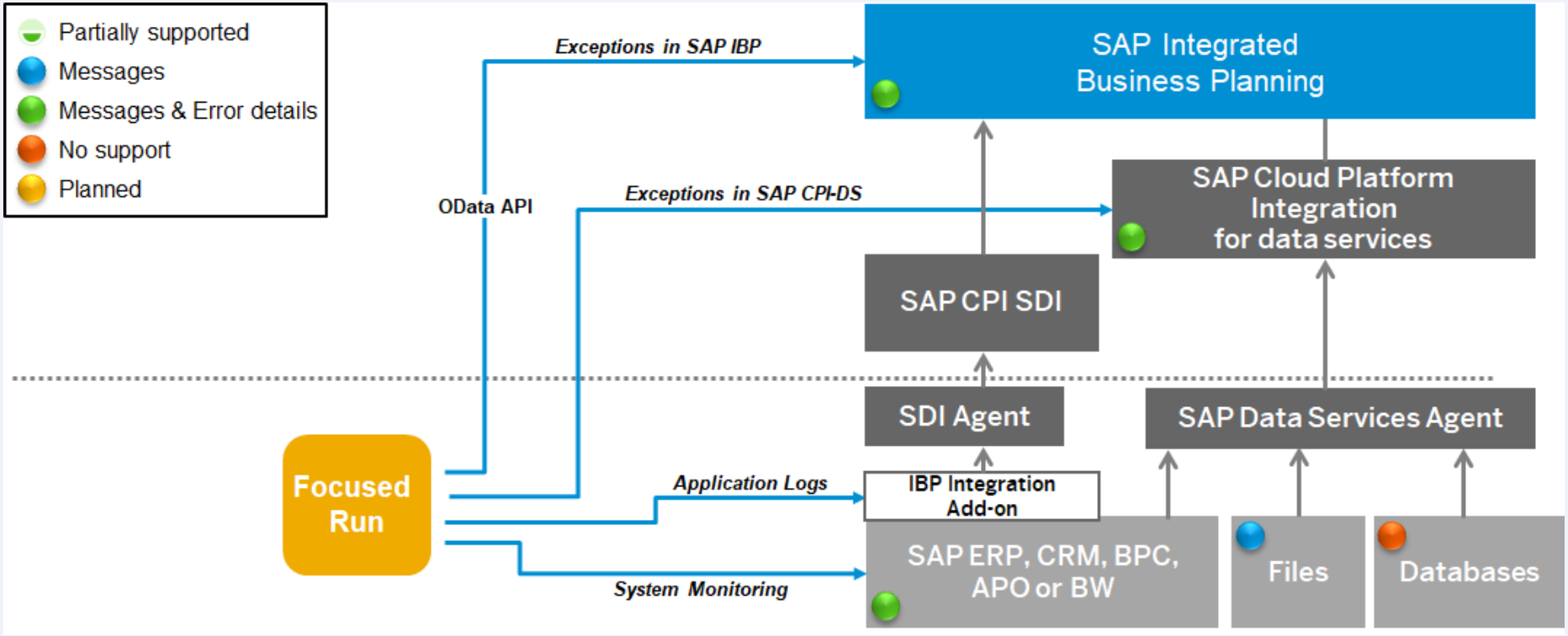
SAP IBP vs SAP BPC

Feature/Topic	BPC	IBP
Architecture	• Embedded in S/4 HANA • Embedded in BW for ECC	• Suite Application (Cloud)
Functionality, Reporting and Algorithms	• Specific to Financial Planning	• Specific to Supply Chain Planning
Data	• Main access to data is ERP and IBP actuals and master data tables in SAP ECC or S/4 HANA	• Main access to data is ERP and BPC actuals and master data tables in SAP ECC or S/4 HANA
Application/ Workbooks	• Front-End Excel Add-On and Fiori Applications	• Front-End Excel Add-On and Fiori Applications
Integration across different solutions	• Seamless to ECC or S/4 HANA and IBP with SAP HCI/SDI	• Seamless to ECC or S/4 HANA and BPC with SAP HCI/SDI
Integration Across Processes	• Real time connection/integration across different processes (e.g. P&L)	• Real time connection/integration across all SC processes

SAP IBP Detailed Overview



SAP IBP Connectors



New Interface: RTI (Real-time Integration expected to replace SDI for order-based information)

Possible Strategies

Strategy 1: “Go to the Dark Side”

- Leave SAP for the next big thing.
- Limitations on Servers.
- Lower your standards on support.
- Find “Trust” again.
- REBUILD …maybe as good

Strategy 2: Do Nothing

- You have time or NOT
- “Manage with workarounds”
- Limited new enhancements
- Limited or NO upgrades
- Limited Support or None at all.
- Get used to the word “OBSOLETE”

Strategy 3: BPC “Upgrade”

Product	End of Maintenance
BPC 10.0 MS	12/31/2020
BPC 10.1 MS	12/31/2024
BPC 10.0 NW	12/31/2020
BPC 10.1 NW	12/31/2027
BPC 10.1 Optimized for S/4HANA	12/31/2024
BPC 11.0 for BW/4HANA 1	12/31/2021
BPC 11.1 for BW/4HANA 2	12/31/2024

- Migrate to “New” BPC with better End of Maintenance.
- Extend your BPC product support.

Strategy 3: BPC “Upgrade”

Options – for BPC NW Customers

BPC 10.x NW → Upgrade → BPC 11.1 for BW/4HANA

BPC Standard
- Easiest migration: Backup/Restore
- Continue to use EPM Add-in

BPC Embedded
- Easy migration
- Rewrite logic to gain performance
- Continue to use A4O

New licenses required

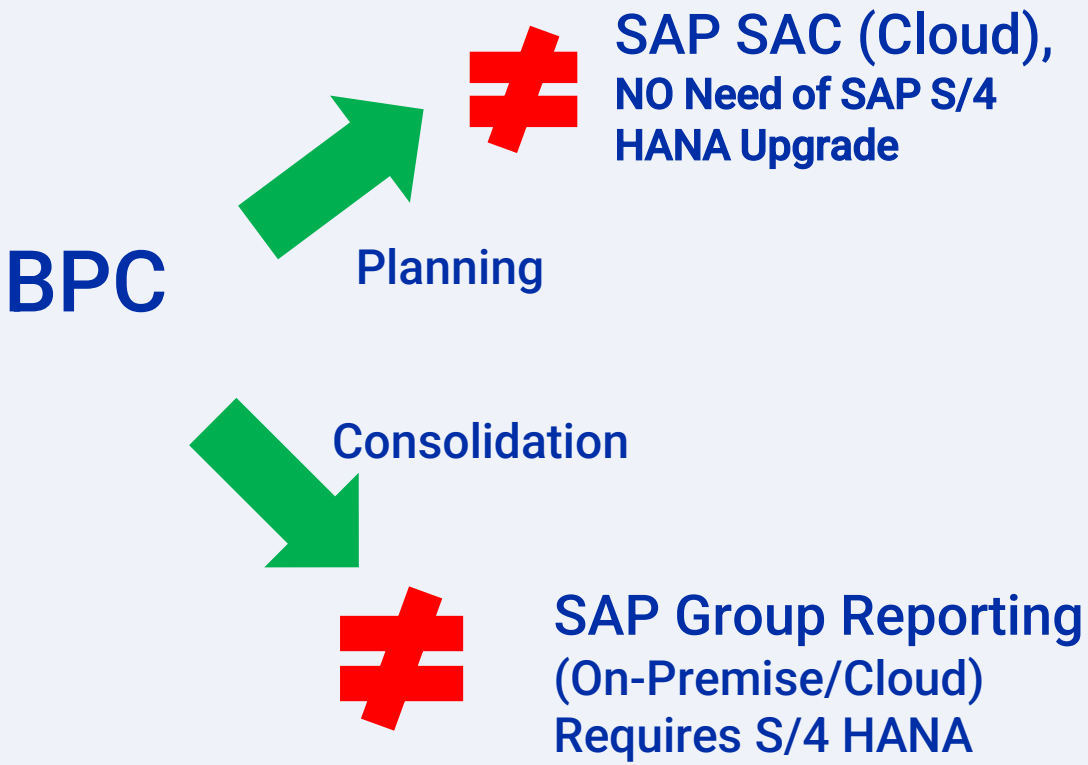
Options – for BPC MS Customers

BPC 10.x MS → Rebuild → BPC 11.1 for BW/4HANA

- Migration is a rebuild
- Requires more SAP IT support (than BPC MS)
- SAC strategy suggests this is not an approach suggested by SAP

New licenses required

Strategy 4: SAP Rebuild

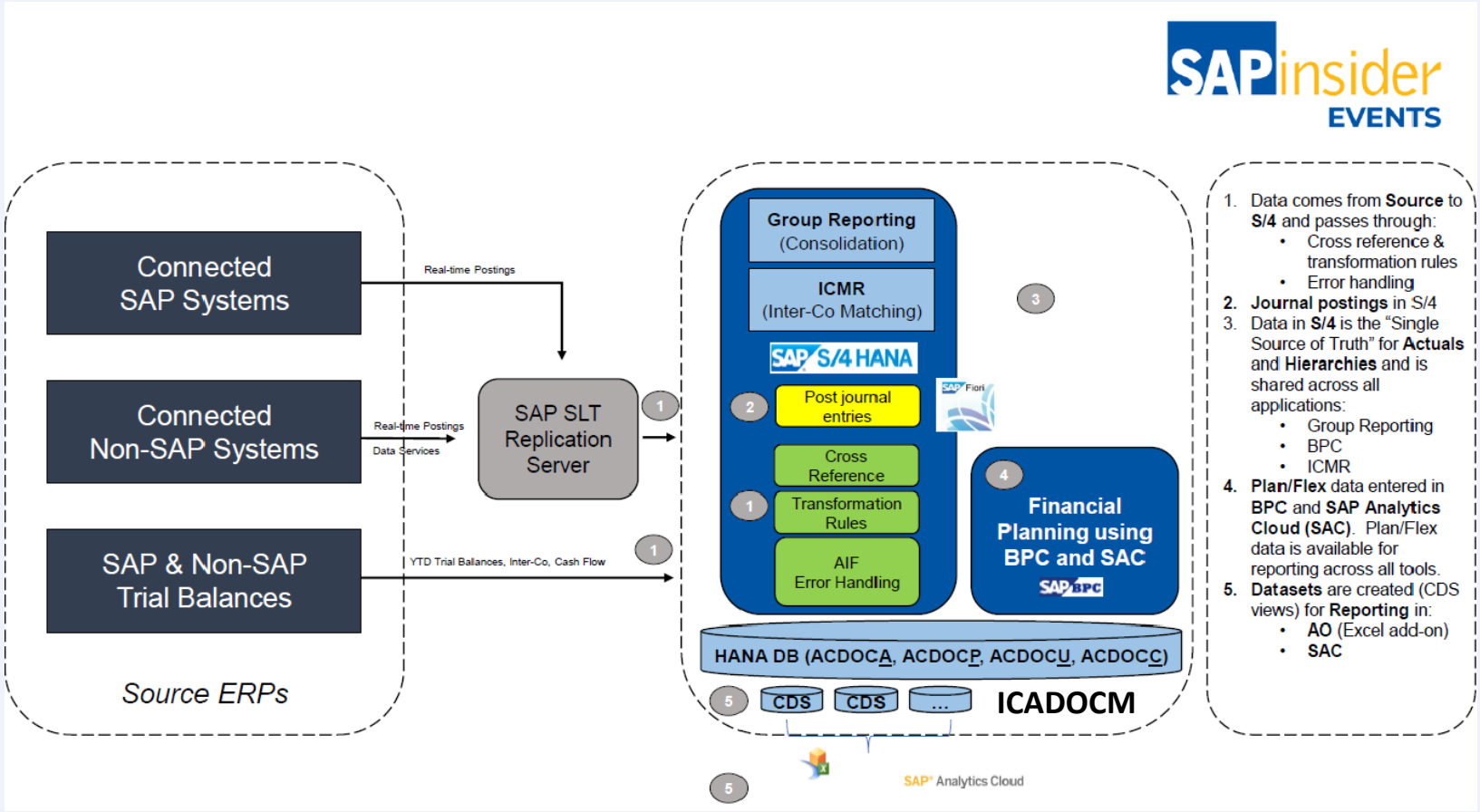


- New "EVERYTHING"
- New Products and New Licenses.
- New functionality
- New Servers Cloud or S/4 HANA Migration.
- S/4 HANA on-premise servers or Cloud Servers or On-Premise versions hosted on the Cloud.
- New Reporting Applications.
- SAP SAC MS Excel Add-in limited vs Analysis for Office (AFO).
- Reporting of SAC data in AFO you need bring it from SAP SAC to BW4 HANA.
- SAP Group Reporting web-based Fiori Ad-hoc Reporting + AFO integration using CDS Views for SAP S/4 HANA and Embedded Analytics.
- SAP Group Reporting significant differences across versions. Always upgrade to the latest SAP S/4 HANA 2108 currently.

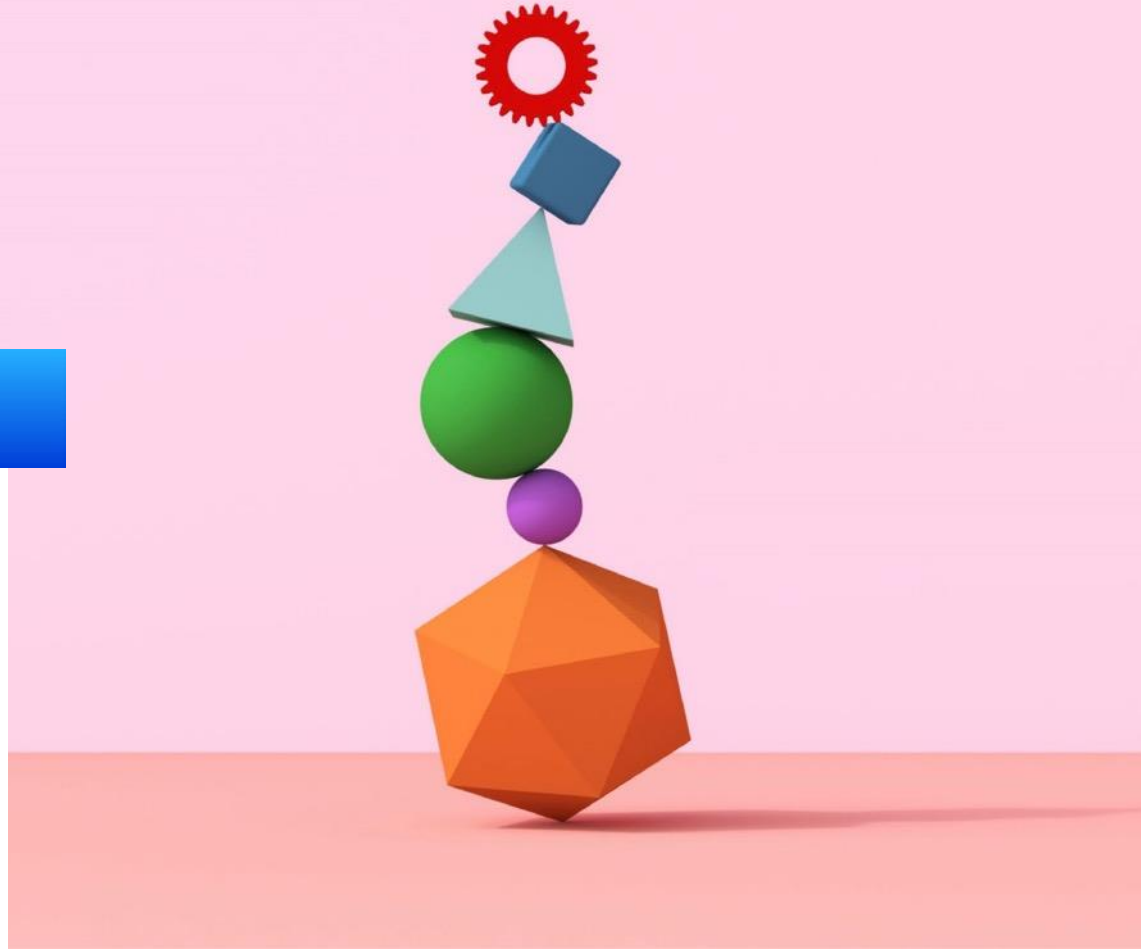
Strategy 5: Hybrid

- Best of both Worlds.
- Move Forward and Migrate at your own time.
- Take advantage of new tools and functionality
- Explore the newer cloud offerings to avoid Migration of your SAP S/4, ECC, R/3 environments, and SAP BW systems.
- SAP BW is linked to SAP BPC, so you need to be also aware of its implications in support for NW clients.

Example Hybrid Environment:
SAP BPC, Group Reporting, SAC, ICMR, Embedded Analytics, AFO



Wrap Up



Key Points to Take Home

- Consider SAP BPC as an “obsolete” product.
- SAP BPC MS customers it is recommended evaluate SAP SAC for planning, and SAP S/4 HANA solutions hosted on the cloud.
- SAP BW is another product that is entering maintenance and support status, so review the implications to your current installation.
- Hybrid Approach is the BEST SOLUTION to have BPC in your landscape.
- BOTH SAP SAC and SAP Group Reporting have Business Content.
- SAP Group Reporting version 2020 and higher are very solid and stable solutions.
- BOTH SAP SAC and SAP Group Reporting can receive SAP BPC data.
  - SAP SAC: multiple interfaces to send and receive SAP BPC data.
  - SAP Group Reporting: ACDOCP table designed to receive Planned data from any source, not only SAP BPC.
- There are significant differences in functionality between BPC and newer SAP product offerings so ask for help.
- Yes, you can fall in love again……

Where to Find More Information

- https://www.sap.com/products/cloud-analytics/get-started.html
  - SAP Analytics Cloud
- https://www.sap.com/products/s4hana-financial-consolidation.html
  - SAP S/4 HANA Group Reporting
- https://roadmaps.sap.com/board?q=SAP%20BPC&range=FIRST-LAST#Q1%202020
  - SAP BPC Roadmap

Merry Oxmas! And Merry Xmas!!!

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THANK YOU

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