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Presentatie

SAP S/4HANA Cloud, **Public Edition**,

en het

SAP Business Technology Platform

1 dec, 2022

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Webinar Special

SAP S/4HANA Cloud, Public Edition, and SAP Technology Platform

Presenters

- Ferry Bogaards
- Bastijn Schenk
- Theo Bolta

Agenda

- Introduction S/4HANA Cloud, Public Edition
- Introduction SAP Business Technology Platform
- Customer Use cases with SAP BTP

The most experienced partner with SAP S/4HANA Cloud, Public Edition

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SAP S/4HC & BTP Webinar

Thursday December 1st, 2022

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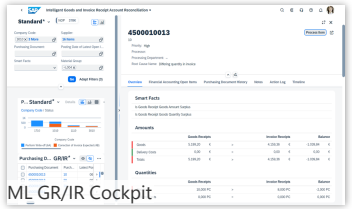
Agenda Webinar

- Introduction S/4HANA Cloud, Public Edition & Business Technology Platform
- Customer Use cases

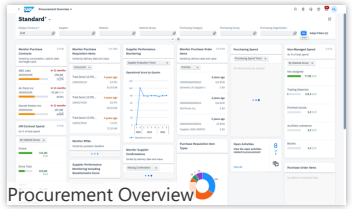
S/4HANA Cloud, Public Edition

Comprehensive end to end business processes delivered by preconfigured best-practices and industry-specific scenarios



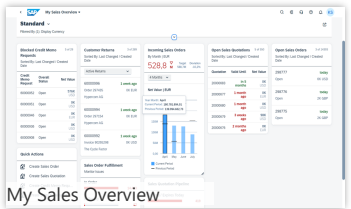
Finance

- Accounting and financial close
- Receivables and Payables mgmt.
- Cost mgmt. & profitability analysis
- Treasury & working capital mgmt.
- Governance Risk and Compliance



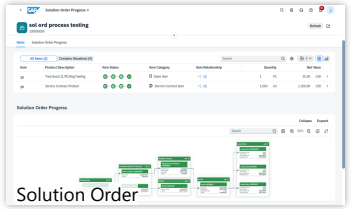
Procurement

- Procurement of direct materials and services
- Supplier management
- Central procurement



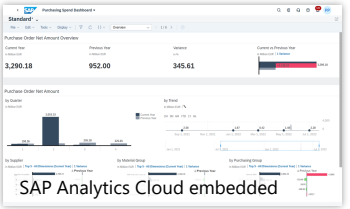
Sales

- Sell, deliver, bill, and monitor a combination of physical goods and services as one solution offering
- Sell from Stock & Sell Services
- Convergent & External Billing



Service

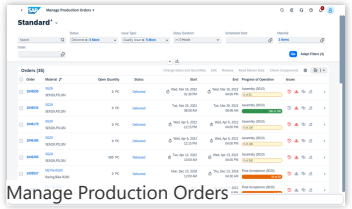
- After-sales services with service contracts, service deliveries, and billing with cost controlling and revenue recognitions
- Combine sales & services as packaged solution offerings



Industry capabilities

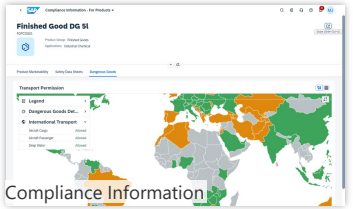
- Professional services
- Public sector
- Higher education
- Media
- Financial services

SAP S/4HANA Cloud, public edition



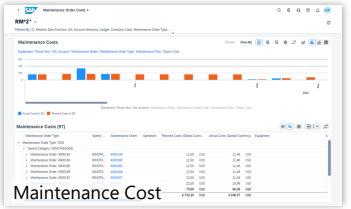
Manufacturing

- Material requirements planning with demand driven and/or predictive MRP
- Make to stock and make to order
- Quality management
- Environment, Health and Safety



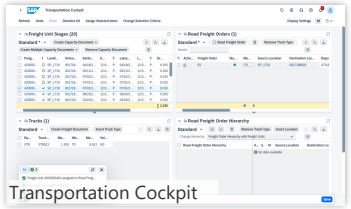
R&D

- Product compliance
- Enterprise portfolio and project management
- Advanced Variant configuration



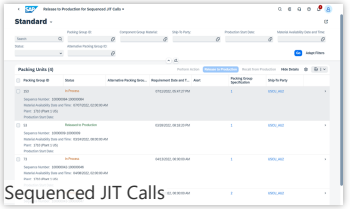
Asset management

- Reactive and proactive maintenance
- Resource scheduling for maintenance planner
- Enhanced collaboration and review



Supply chain

- Warehouse Outbound & Inbound Processing
- Core Inventory Management
- (Advanced) ATP Processing
- Basic Transportation Mgmt.



Industry capabilities

- Component manufacturing
- Hi-tech
- Automotive
- Mining services

SAP S/4HANA Cloud Modular Application Portfolio (MAP) – Functional Scope

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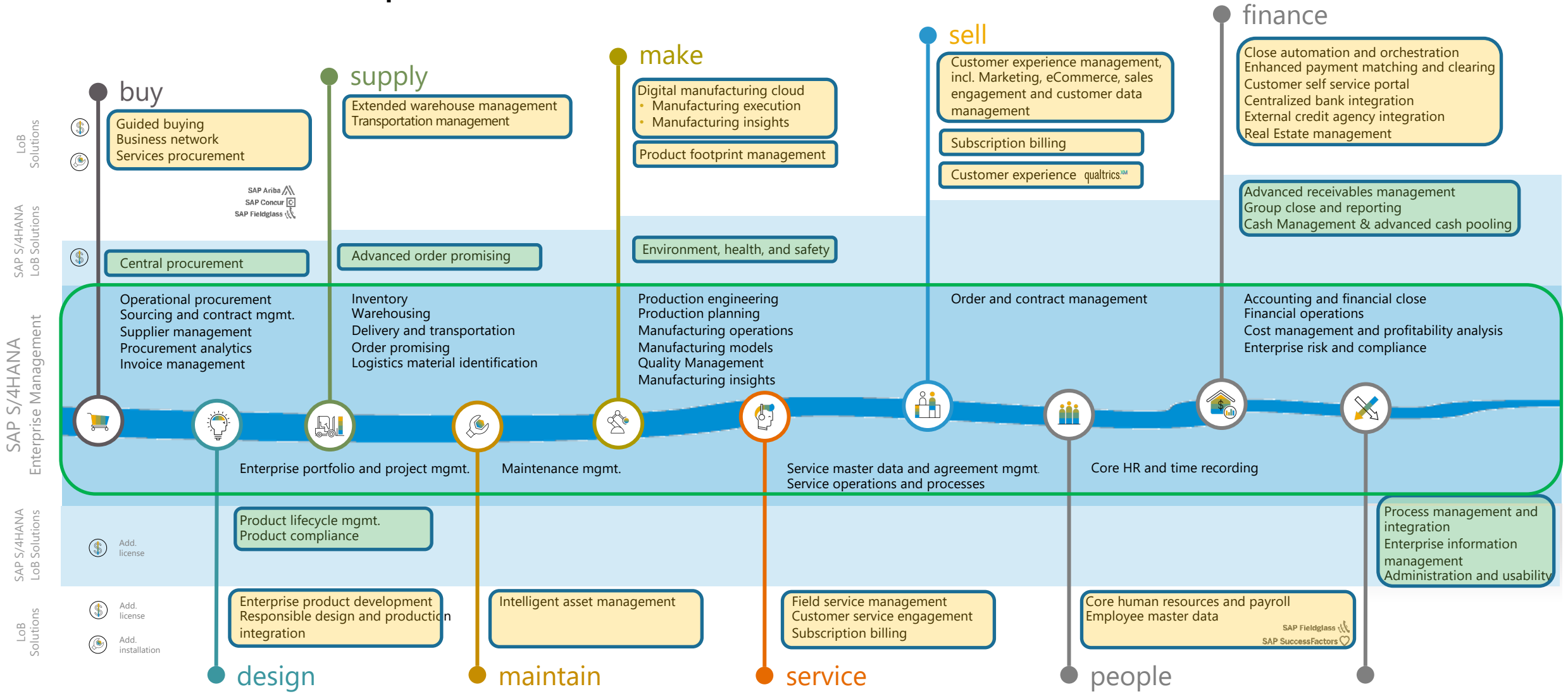
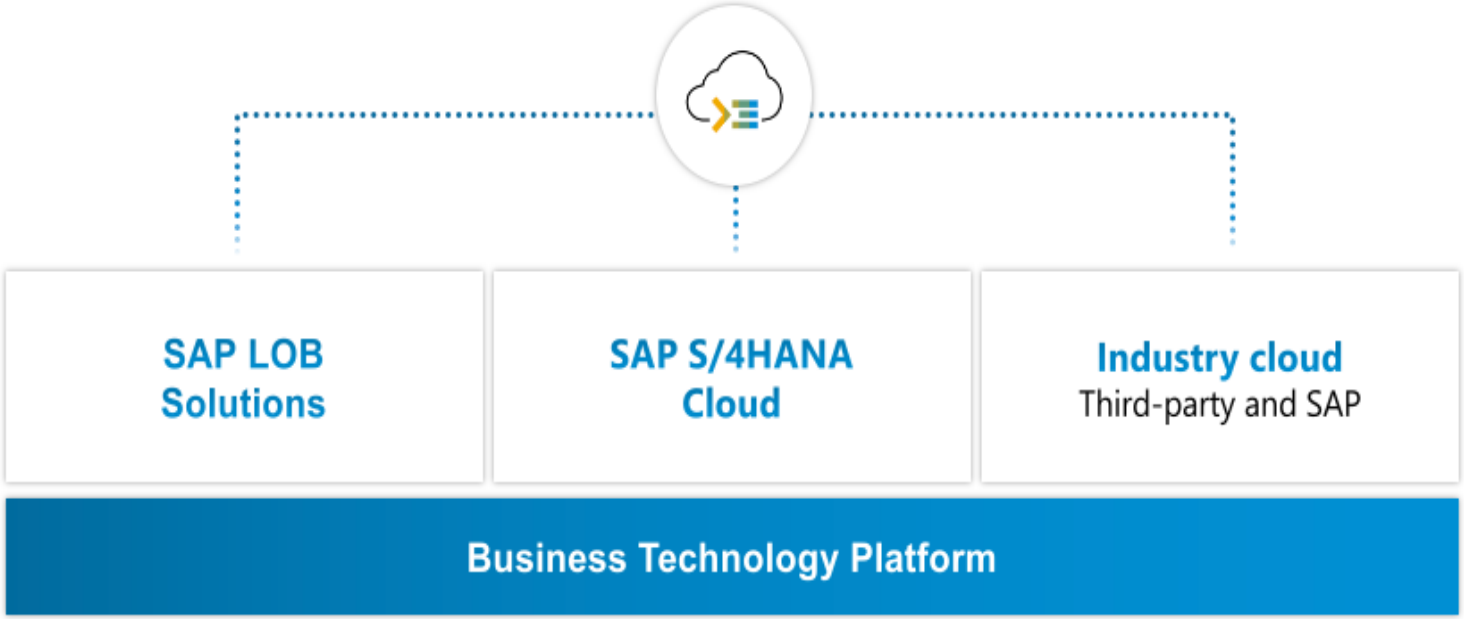


S/4HANA Cloud and SAP Business Technology Platform

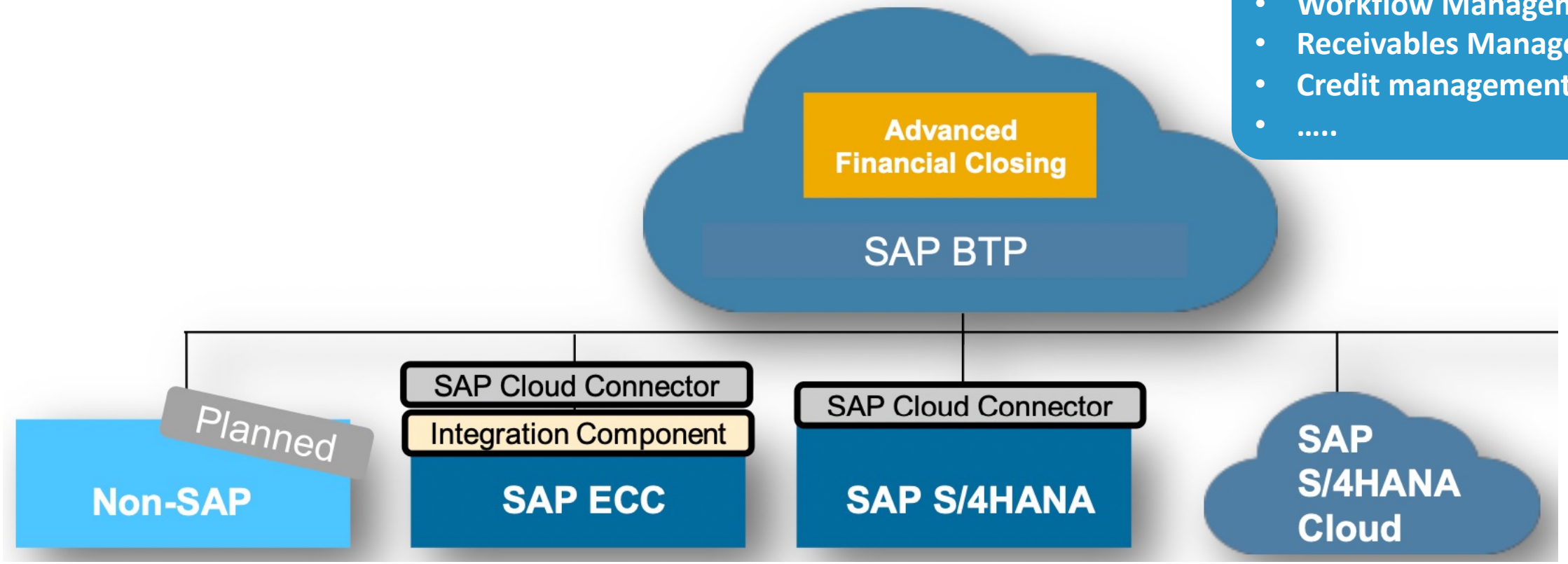
Agile, modular architecture providing… … solutions for business agility and regulatory compliance



- **Integrate** out-of-the box into complementary SAP solutions to cover business processes end-to-end
- **Connect** to business partners by seamlessly joining SAPs Business Network via out-of-the box integration
- **Specialize** with the growing portfolio of SAP and partner-developed Industry Cloud Solutions
- **Adapt** the system to custom needs instantly by adding custom elements to existing apps
- **Enhance** processes by developing and implementing custom logic in-stack
- **Consume** platform services and custom extensions from SAP BTP to keep the core clean

BTP - Central hub for intelligent Services

- Workflow Management
- Receivables Management
- Credit management
- .....



SAP Business Technology Platform – Solutions

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Open runtime
Open API
Open environment

Foundational services

SAP BUSINESS TECHNOLOGY PLATFORM

DATABASE AND DATA MANAGEMENT | ANALYTICS | APPLICATION DEVELOPMENT AND INTEGRATION | INTELLIGENT TECHNOLOGIES

Cloud, on premise, hybrid, edge

Any data store connectivity

- SAP HANA
- SAP HANA Cloud
- SAP Data Intelligence
- SAP Master Data Governance
- SAP Adaptive Server Enterprise

- SAP Analytics Cloud
- SAP Data Warehouse Cloud
- SAP BusinessObjects BI
- SAP Business Planning and Consolidation
- SAP BW/4HANA

- SAP Integration Suite
- SAP Extension Suite
- SAP Process Orchestration

- SAP Intelligent Robotic Process Automation
- SAP Conversational AI
- SAP Internet of Things
- SAP AI Business Services
- SAP Ruum

SAP Integration Suite

See all Integration services in the Discovery Center

- SAP Customer Experience
- SAP S/4HANA® Cloud
- SAP SuccessFactors
- SAP Ariba
- SAP Fieldglass
- SAP Concur
- More

Open APIs events

SAP

3rd Party

Governments

API Business Hub
Discover process blueprints, one domain model, APIs, events, integration packs

SAP Graph
Harmonized APIs for SAP

API Management
Expose your data as APIs, manage API lifecycle e2e

3rd party apps and data

Integration Advisor
AI-based integration, and metadata mgmt

Cloud Integration
End-to-end process integration

Data Intelligence
Data integration, orchestration and AI

Enterprise Messaging
Sense and respond to business events

Open Connectors
Accelerate connectivity to third-party apps & data

Serverless Runtime
Functions to respond to events

Process Integration

Domain Model & Metadata | Master Data Integration

Data Integration

Microsoft Azure aws Alibaba Cloud SAP
Fully managed multi-cloud

B2B partners
EDIFACT
ASC X12
EANCOM
VDA
TRADACOM
ODETTE

SAP Process Orchestration
On-premise middleware

Connectivity
Cloud-to-ground secure connectivity

SAP data services and data integration tools
Accelerate and expand the flow of data across the enterprise

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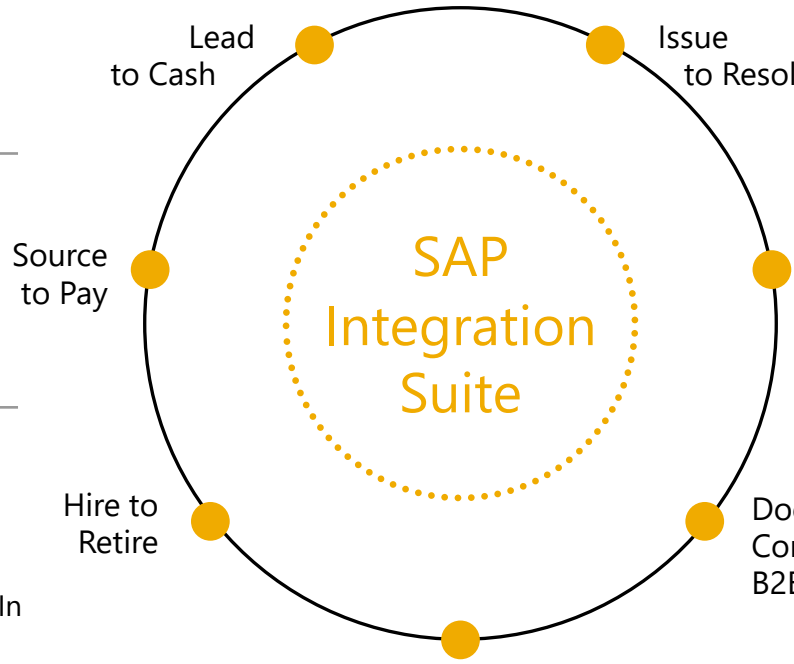
Accelerate Integration with 2400+ Pre-Built SAP and Non-SAP Integrations

Fully maintained and updated by SAP

2,400+ Prebuilt integrations

170+ Business events



SAP Customer Experience Magento Shopify

Amazon Services HubSpot Zoho Marketo

Salesforce Sales Cloud Zendesk NetSuite

SAP Customer Experience Jira ServiceNow

Salesforce Service Cloud Freshdesk ServiceMax

SAP Ariba GEP Coupa

Blue Yonder Mercateo

QuickBooks FreshBooks Vertex

Tipalti Microsoft Dynamics Sage

SAP SuccessFactors SAP Concur SAP Fieldglass

Kronos Automatic Data Processing (ADP) Workday

Alight Oracle Human Capital Management LinkedIn

DocuSign Adobe Sign

UN/EDIFACT

UNECE ASCX12

Snowflake Teknoleum Paradata

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SAP Extension Suite

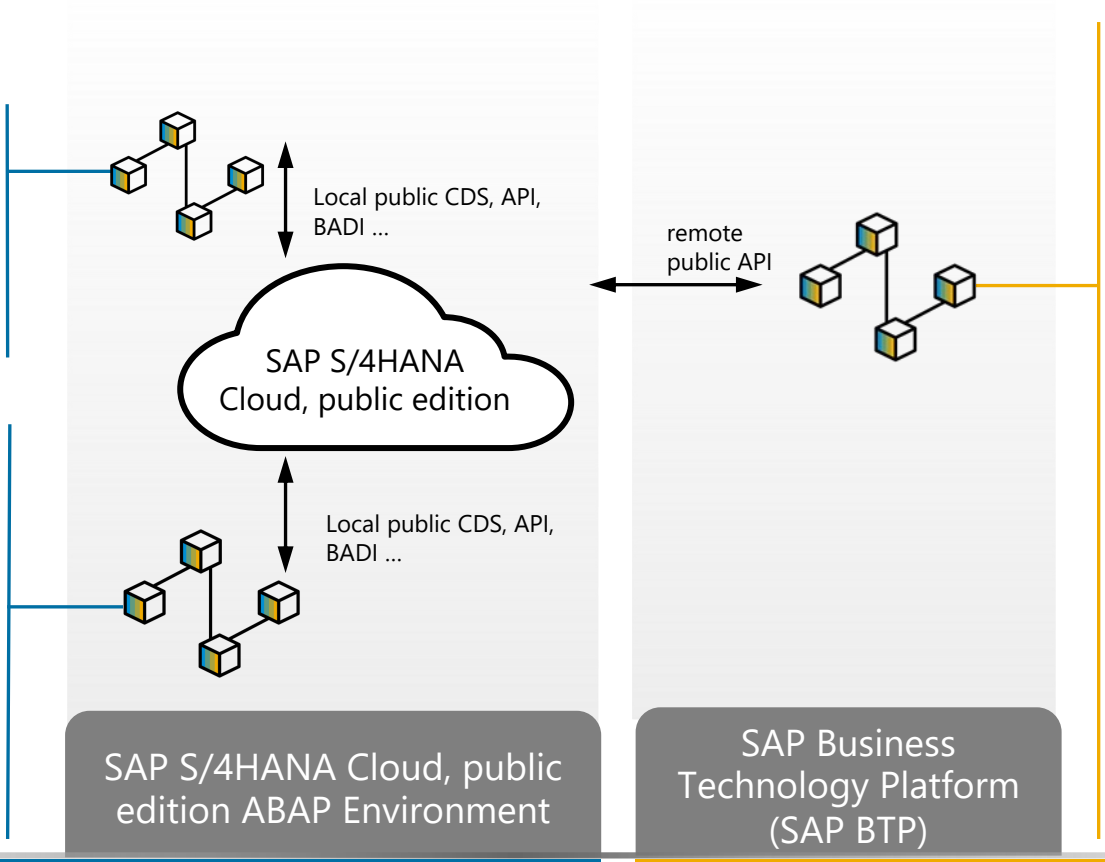
Comprehensive extensibility capabilities to allow cloud lifecycle compliant innovation and differentiation whilst retaining the benefits of a clean digital core.

Key User Extensibility

- UI field layout, custom forms and templates
- Custom analytics via CDS views
- Custom Business Objects
- Custom business logic using Cloud BADIs

Developer Extensibility[1]

- Develop custom ABAP code
- Extensions of SAP S/4HANA Cloud solutions
- Partner extensions
- Directly on SAP S/4HANA stack



Side-by-side Extensibility

Integration with SAP BTP services

- AI business services
- Process automation
- Data marts and analytics
- Data science and intelligence
- IoT and big data

Develop custom code

- Develop extensions and SaaS solutions in ABAP, Java, or Node.js

EXTENSIBILITY INTEGRATED IN SAP S/4HANA CLOUD, public edition

SIDE-BY-SIDE EXTENSIBILITY

[1] Only available for customers who use a 3-system landscape. Please contact your SAP Account Executive for more details.

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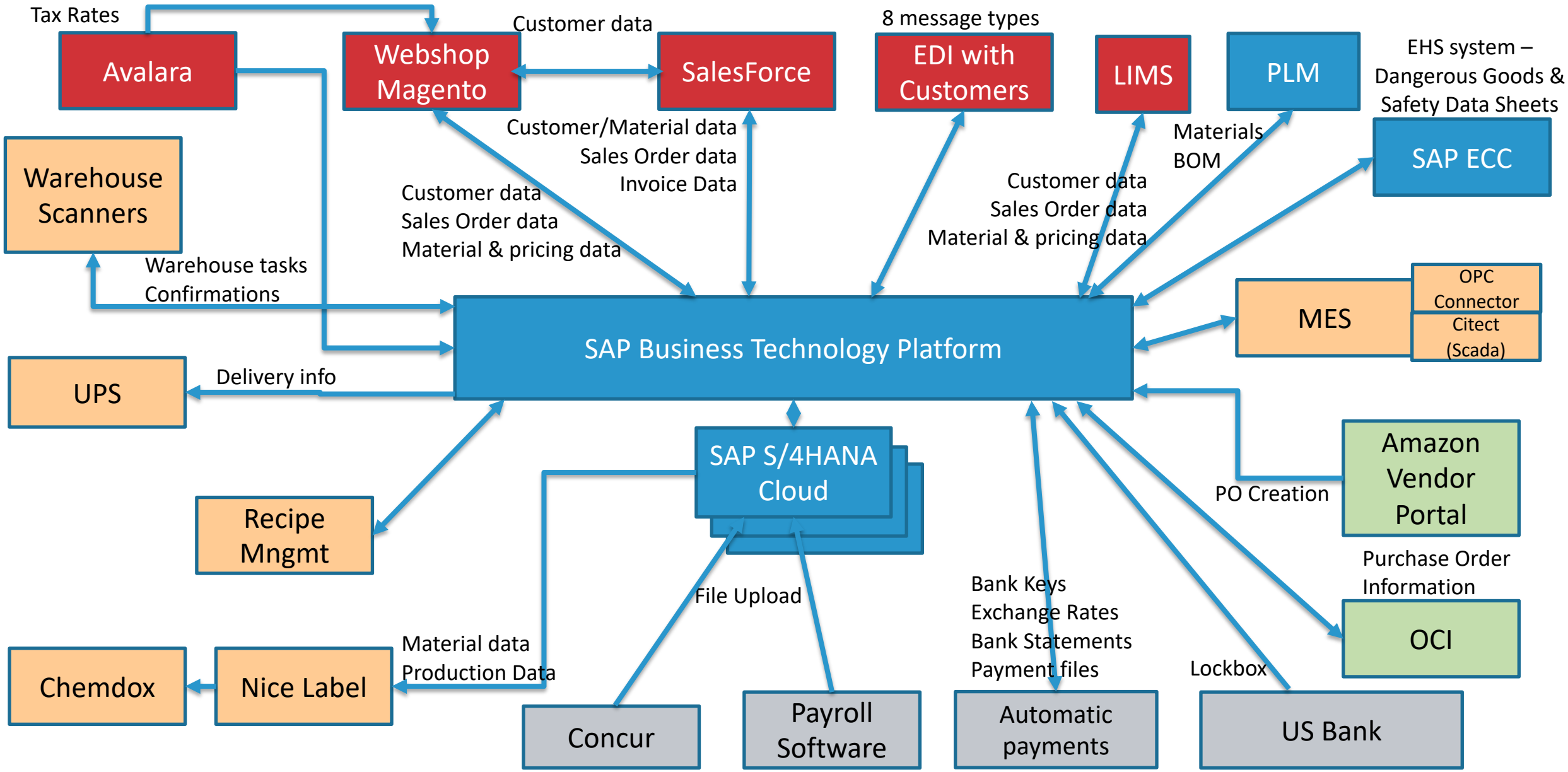
Customer Use Case - Integration

Overview of live Interfaces today!



Customer Use Case BTP

Fit to standard implementation.

Problem Statement:
Change Bill of Material based on standard rules not possible in standard SAP.

Wish business:
- Explode ingredients B.o.M. (SF) < volume into B.o.M. FG.
- Change Bill of Material ingredients / dosing locations to optimize the Bill of Material per finished product.

Benefits:
- Automate change of packaging size / dosing location ingredients instead of changing by hand.
- Purchasing can react earlier on changed materials.
- Below a certain volume not efficient to produce a semi-finished.

Impact if not implemented
- More changes by hand or reduce productivity in the factory.

Bill of Material without Business Rules

ACR0158Z20

General Information | Components

Components

Components (7)

Material	Requirement Quantity		Storage Location
Eckhardt Topmilk (ACR0158000)	4.000,000	KG	
Liver Flavour Optomizor Dry I, (5062919BLK)	1.892,160	KG	Silo 100 (SI01)
Salt (Bulk) (5063183BLK)	1.907,840	KG	Silo 100 (SI01)
#IT PP Rundvee Koenis 1% (ACPPR15Z25)	200,000	KG	Hal 1 (SL01)
Vpbom Blanco45 20kg (BLA4020000)	4	PC	
Blanco Papier 40x67x11 (ACVP000007)	200	PC	Hal 1 (SL01)
#IT Sticker (ACVP100089)	200	PC	

Bill of Material with Business Rules

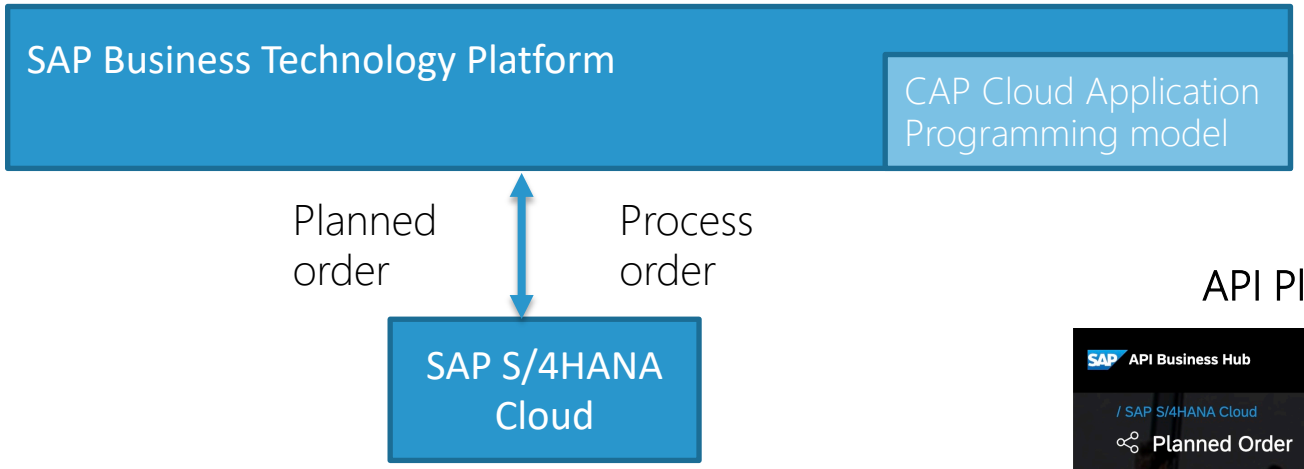
1001806

Order Information | Other Manufactured Products | Long Text | Order Schedule

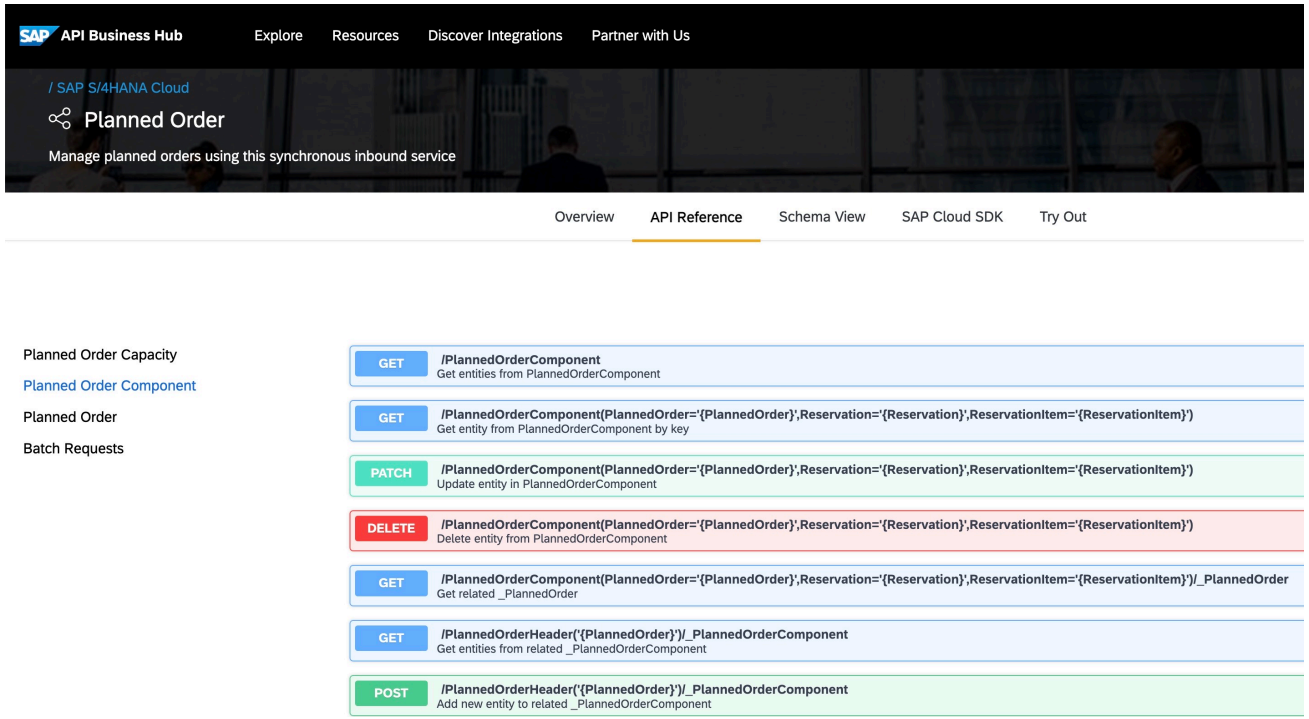
Components (11) All Missing

Component	Required Quantity		Storage Location
5062919BLK Liver Flavour Optomizor Dry I,	1.959,892	KG	**SI03** Silo 300
5063183BLK Salt (Bulk)	1.907,840	KG	**SI13** DW13
ACVP000007 Blanco Papier 40x67x11	200	PC	**SL01** Hal 1 SL01
ACVP100089 #IT Sticker	200	PC	
5016055BLK Vitamin A 1000	2,000	KG	**SB24** Bunker 24
5068010BLK #IT Potassium iodide 68% MESA	1,682	KG	**SB24** Bunker 24
5063753BAG Carbidox 500, bags	55,486	KG	**SL05** Zolder
5063478BAG #IT Kopersulfaat 25%	39,314	KG	**SL05** Zolder
5063582BAG #IT Mangaanoxide 62%	22,630	KG	**SL05** Zolder
5061469BAG #IT Cobaltcarbonaat 5%	7,600	KG	**SL06** Kelder
5060084BAG #IT Sodium Selenite 4,5%	3,556	KG	**SL06** Kelder

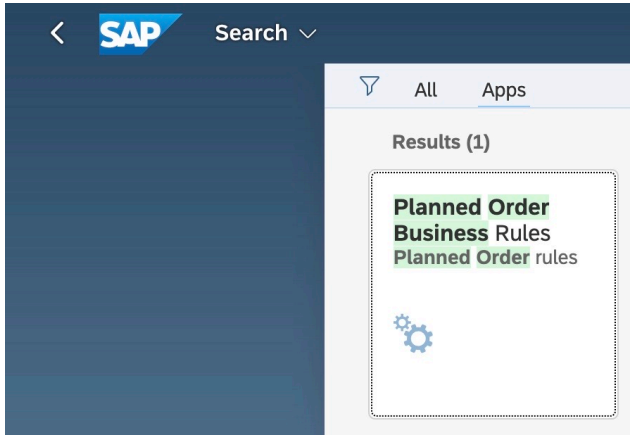
Technical solution Business Rules to keep the core clean

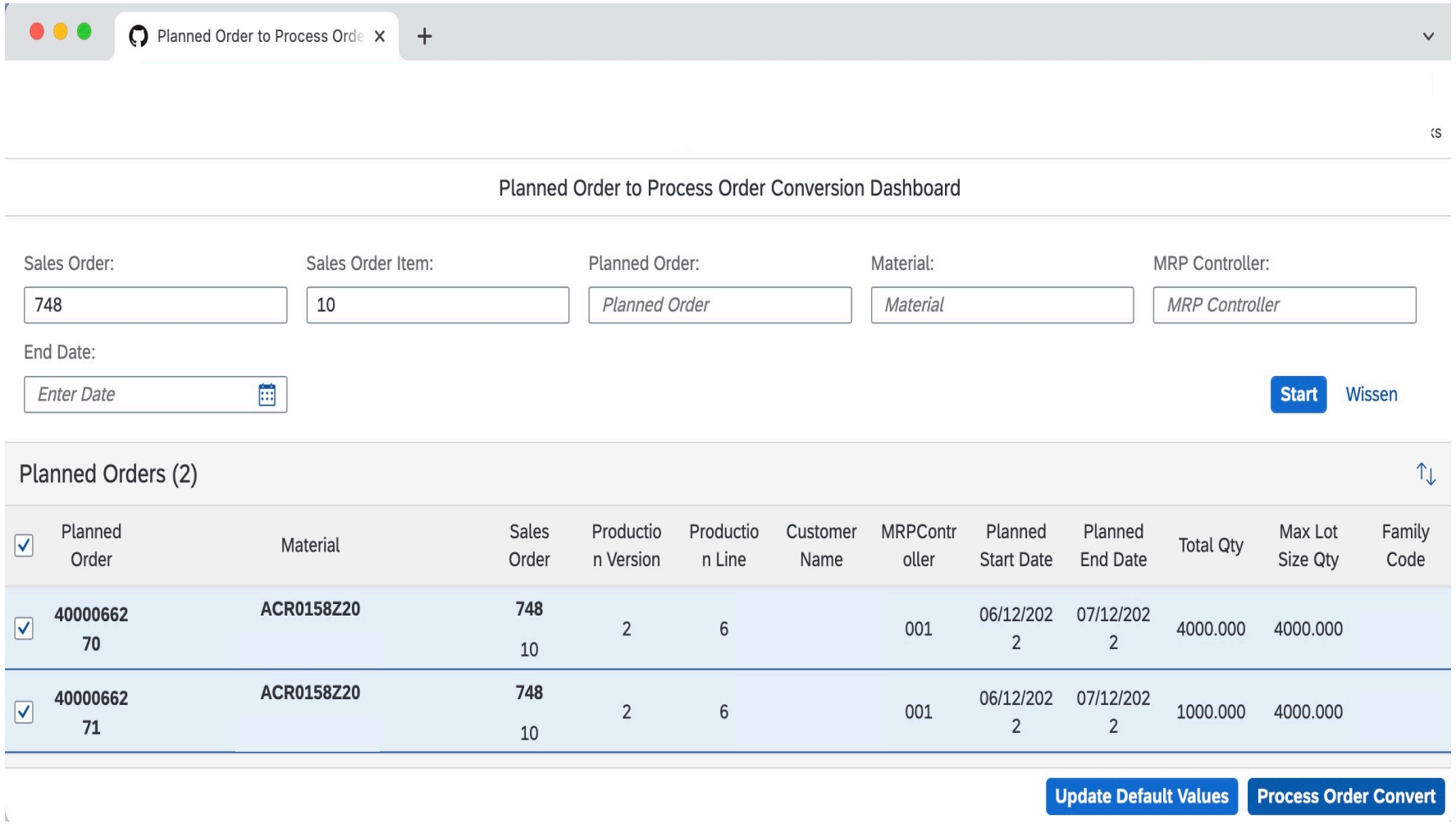


API Planned Order

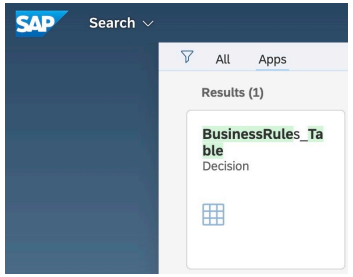


Tiles in standard S4 direct link to BTP platform





Business Rules BTP

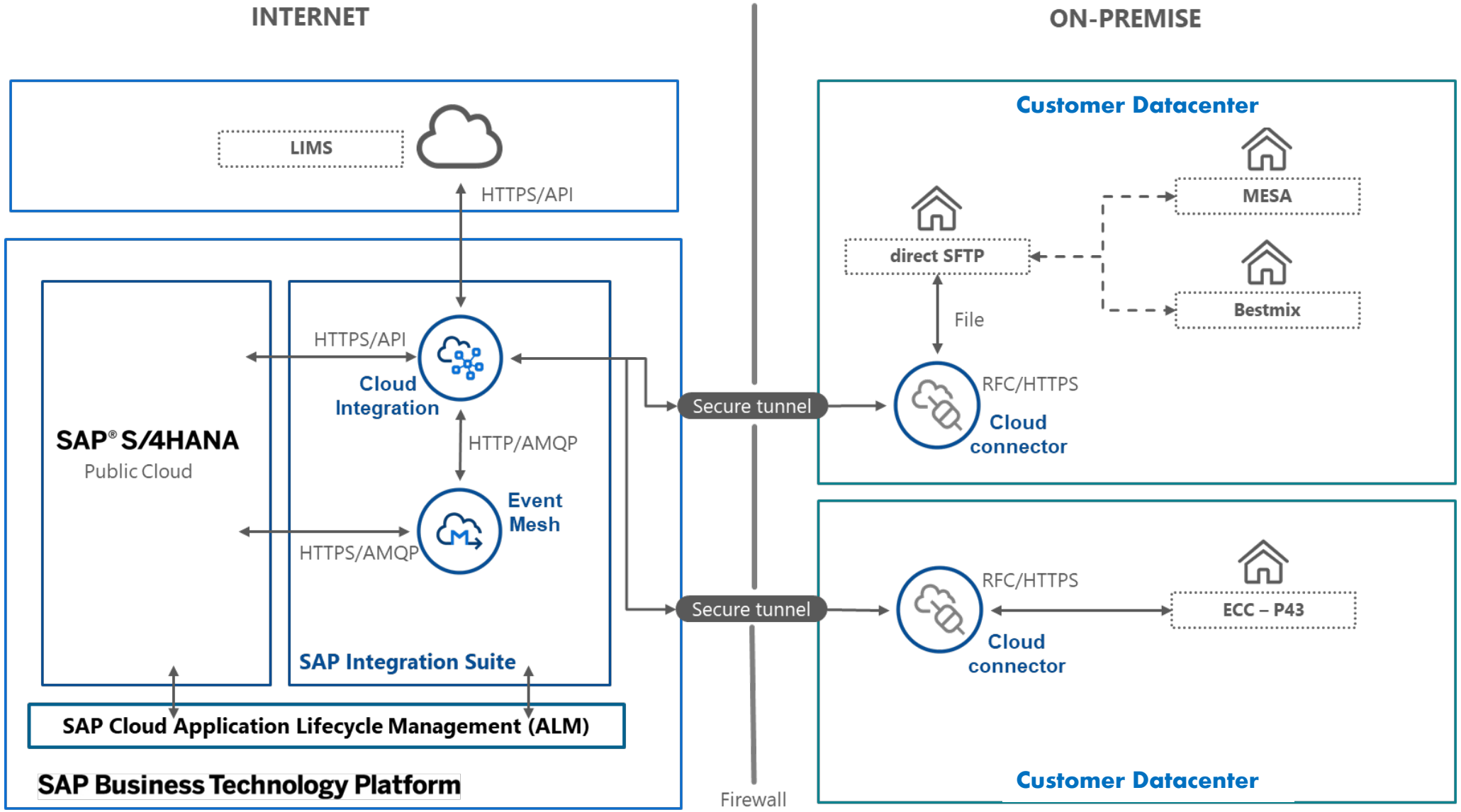


Naam	Label	Omschrijving
Rule4_Mixer_RuleDecision	Rule4_Mixer_RuleDecision	Rule to determine the storage location based on mixer and sum of BLK Material quantity per planned order..
Rule3_FamilyCode_RuleDecision	Rule3_FamilyCode_RuleDecision	Rule to determine the Storage Location Based on BLK Keyword
Rule2_SWAP_RuleDecision	Rule2_SWAP_RuleDecision	Rule to Swap materials based on the input quantity
Rule1_ACPP_RuleDecision	Rule1_ACPP_RuleDecision	Rule is to determine the sum of ACPP material quantity is >/< to targeted business quantity,

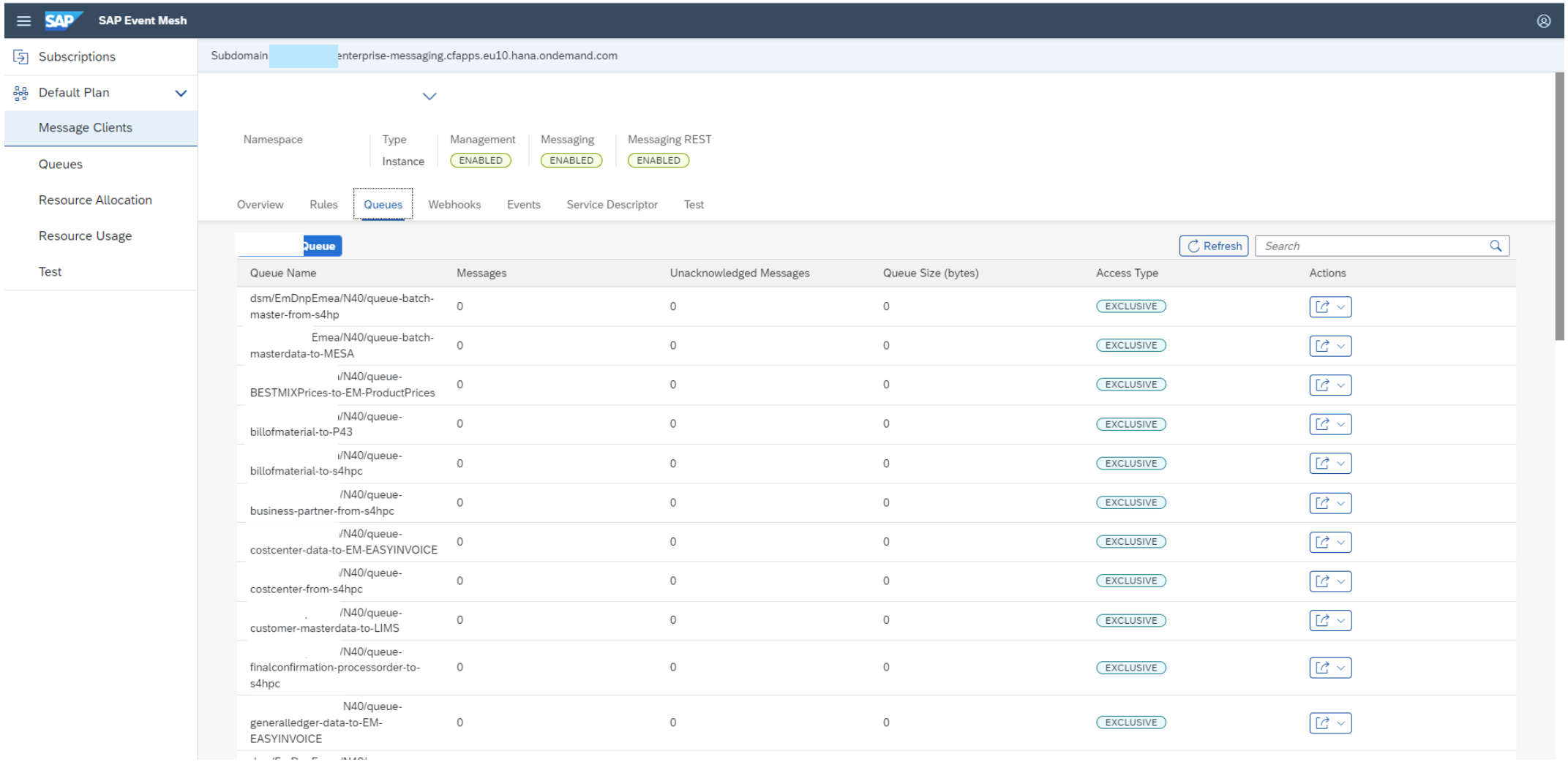
Decision Table

If			Then						
Input Material =	Quantity	Family Code =	OP_1_BBG	OP_1_BBG_PACK	OP_2_BAG	OP_2_BAG_PACK	OP_3_SWAP_MATERIAL	OP_3_QUANTITY	OP_3_DOSING_LOCA...
'5060034BLK'	< 25.00	''					'5060034BAG'	25	'SL05'
'5060034BLK'	> 0.01	'ALY2'	'5060034BBG'	900.00	'5060034BAG'	25.00	'5060034BAG'	0.01	
'5060034BLK'	> 0.01	'AD'	'5060034BBG'	900.00	'5060034BAG'	25.00	'5060034BAG'	0.01	
'5016057329'	> 0.50	''			'5016057329'	20.00	'5016057BLK'	0.5	'SB24'
'5063604BBG'	> 2.00	''	'5063604BBG'	1000.00			'5063604BLK'	2	'SB20'
'5062819BLK'	< 25.00	''					'5062819BAG'	25	'SL05'
'5061517BAG'	> 0.50	''	'5061517BBG'	1000.00	'5061517BAG'	25.00	'5061517BLK'	0.5	'SB24'
'5063752BBG'	> 2.00	''	'5063752BBG'	100.00			'5063752BLK'	2	'SB20'
'5063752BBG'	< 2.00	''					'5063752BAG'	2	'SL05'
'5063477BBG'	> 2.00	''	'5063477BBG'	1000.00			'5063477BLK'	2	'SB20'

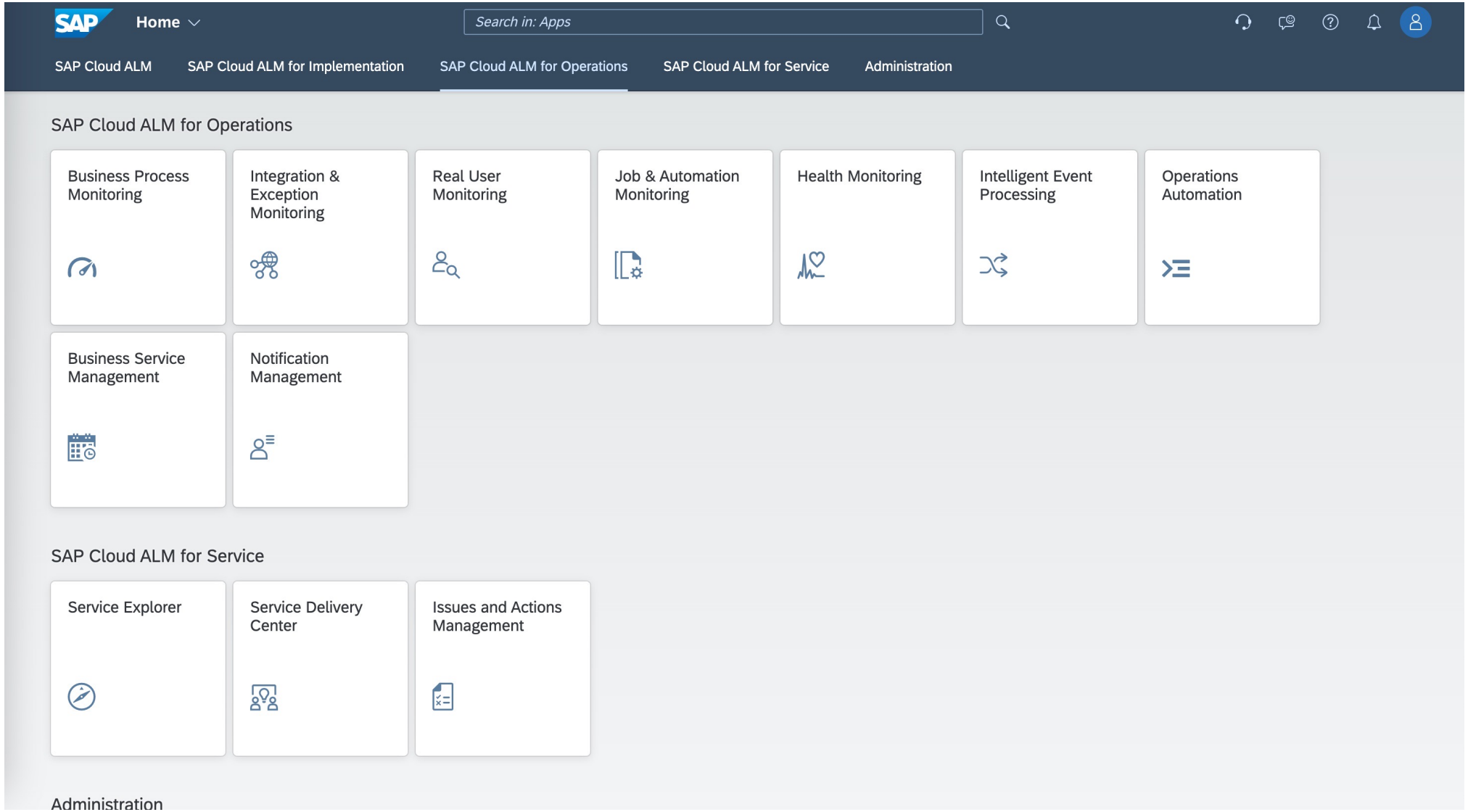
Sample Landscape Customer



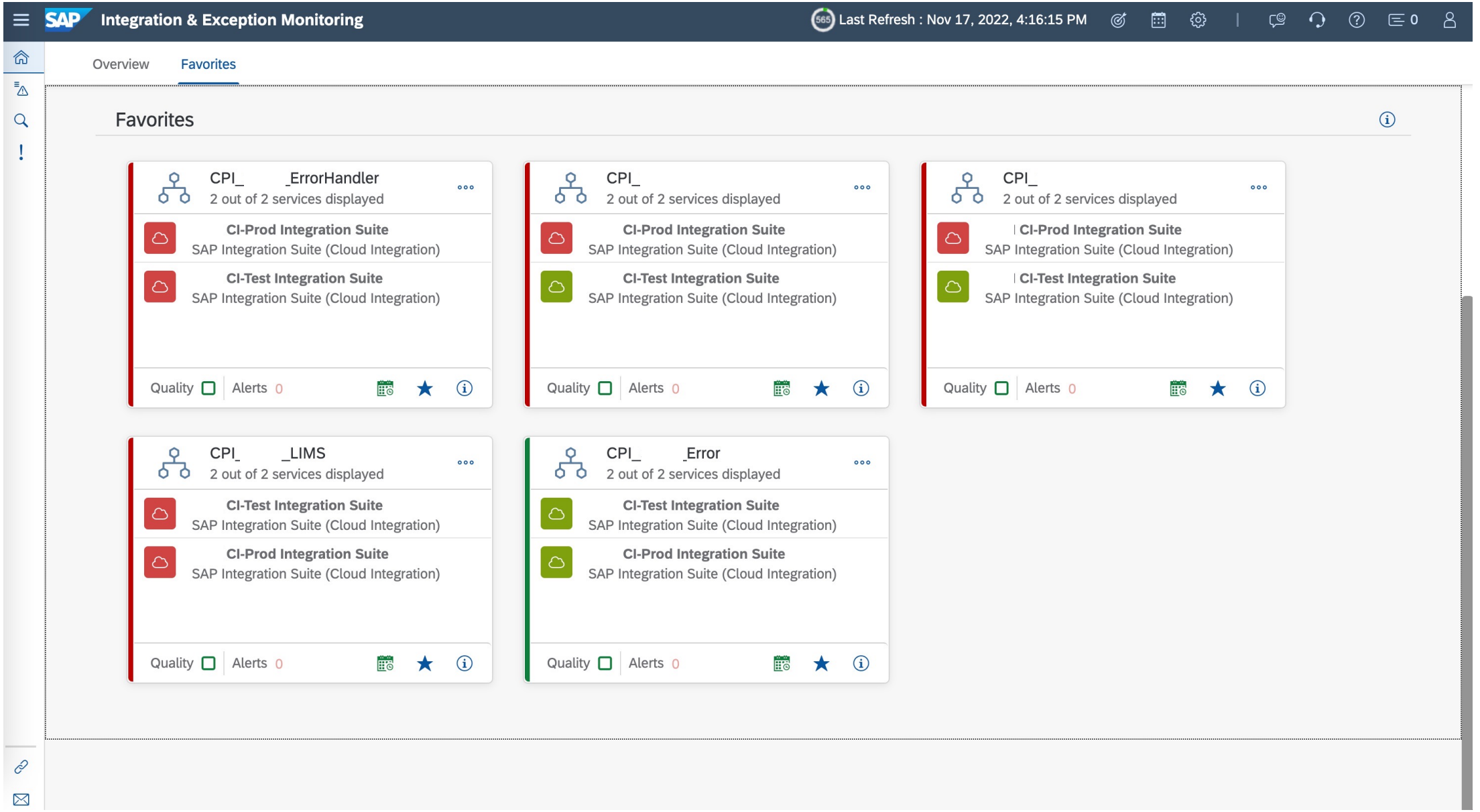
SAP Event Mesh Queue



Cloud Application Lifecycle Management



Integration & Exception Monitoring



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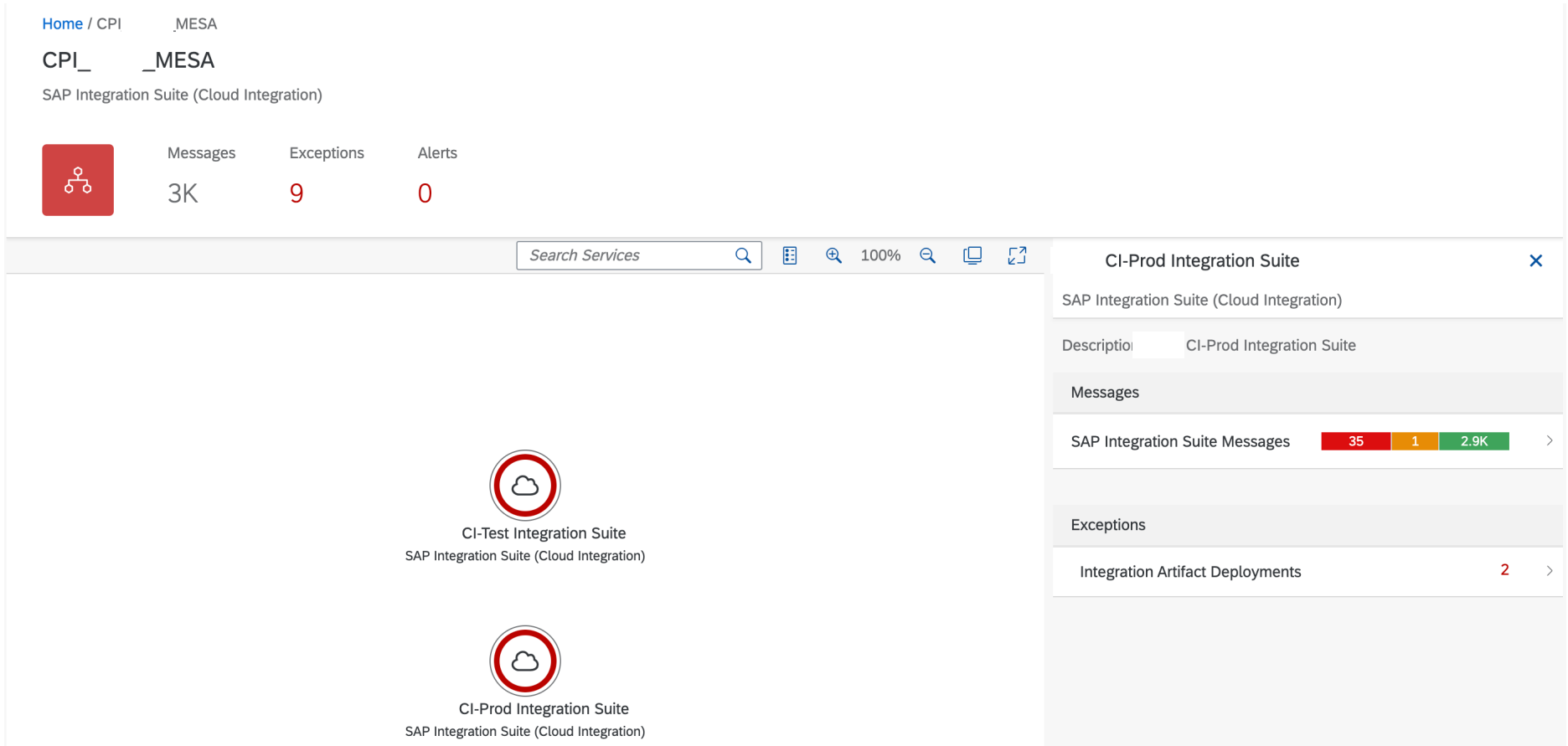

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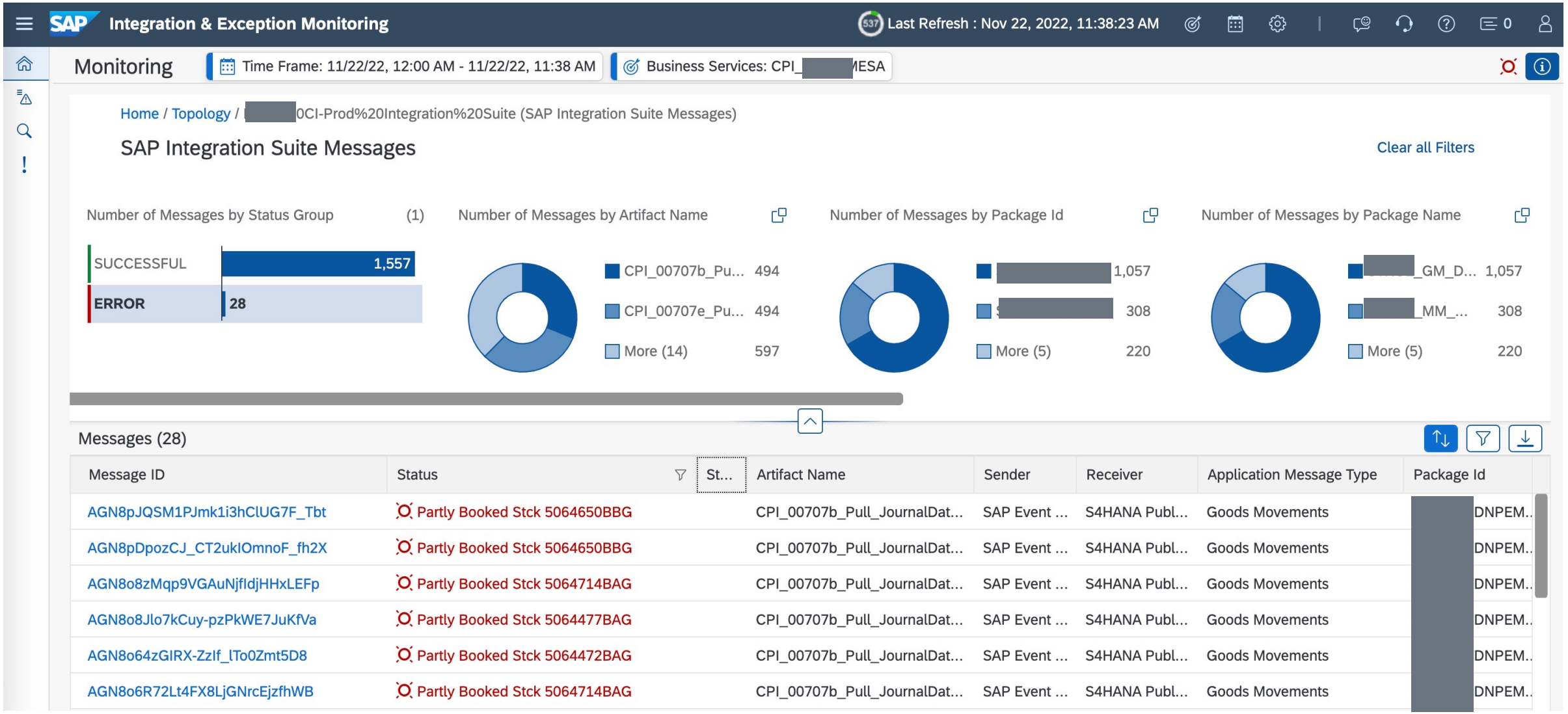
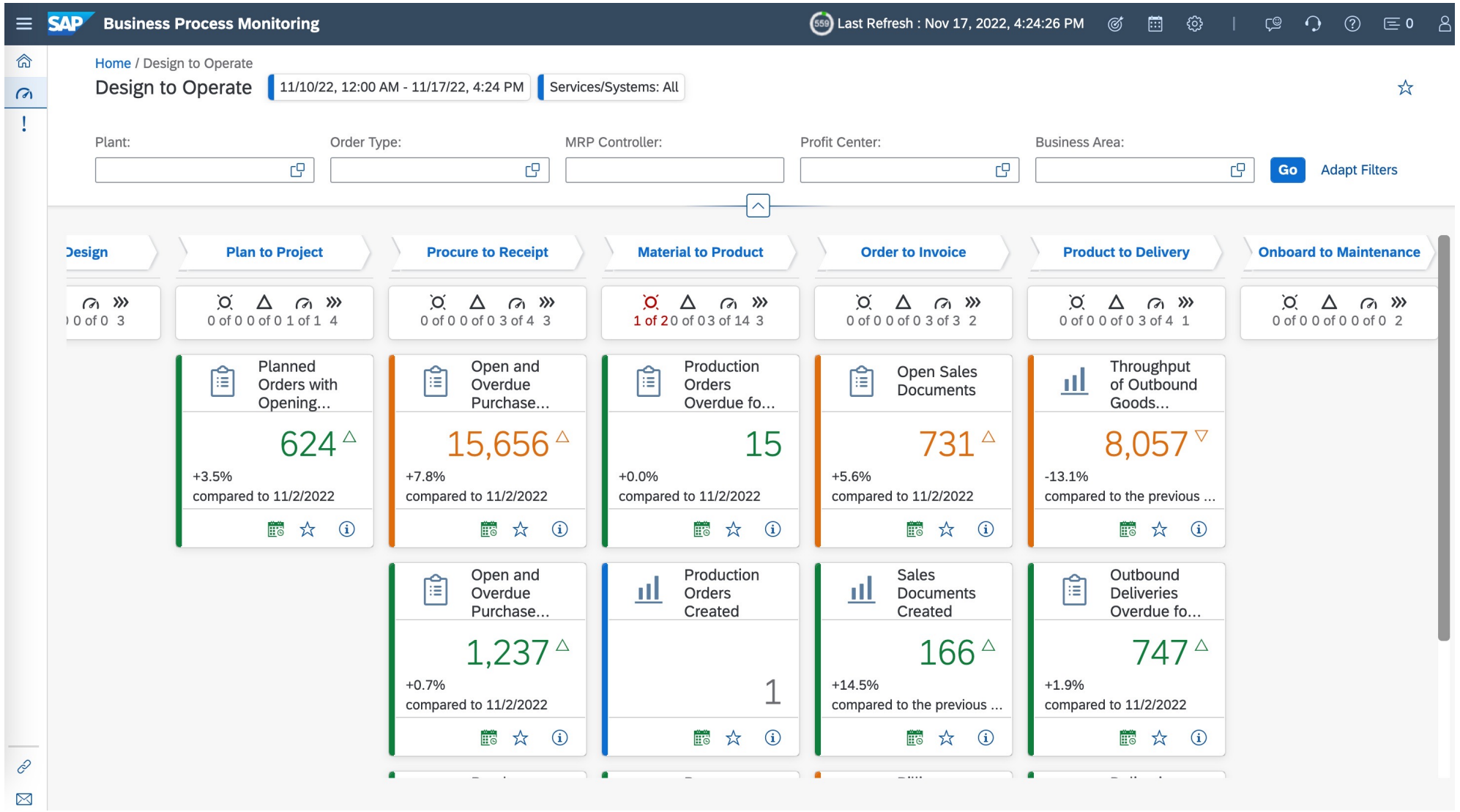


Business Process Monitoring



Q&A

Thank you

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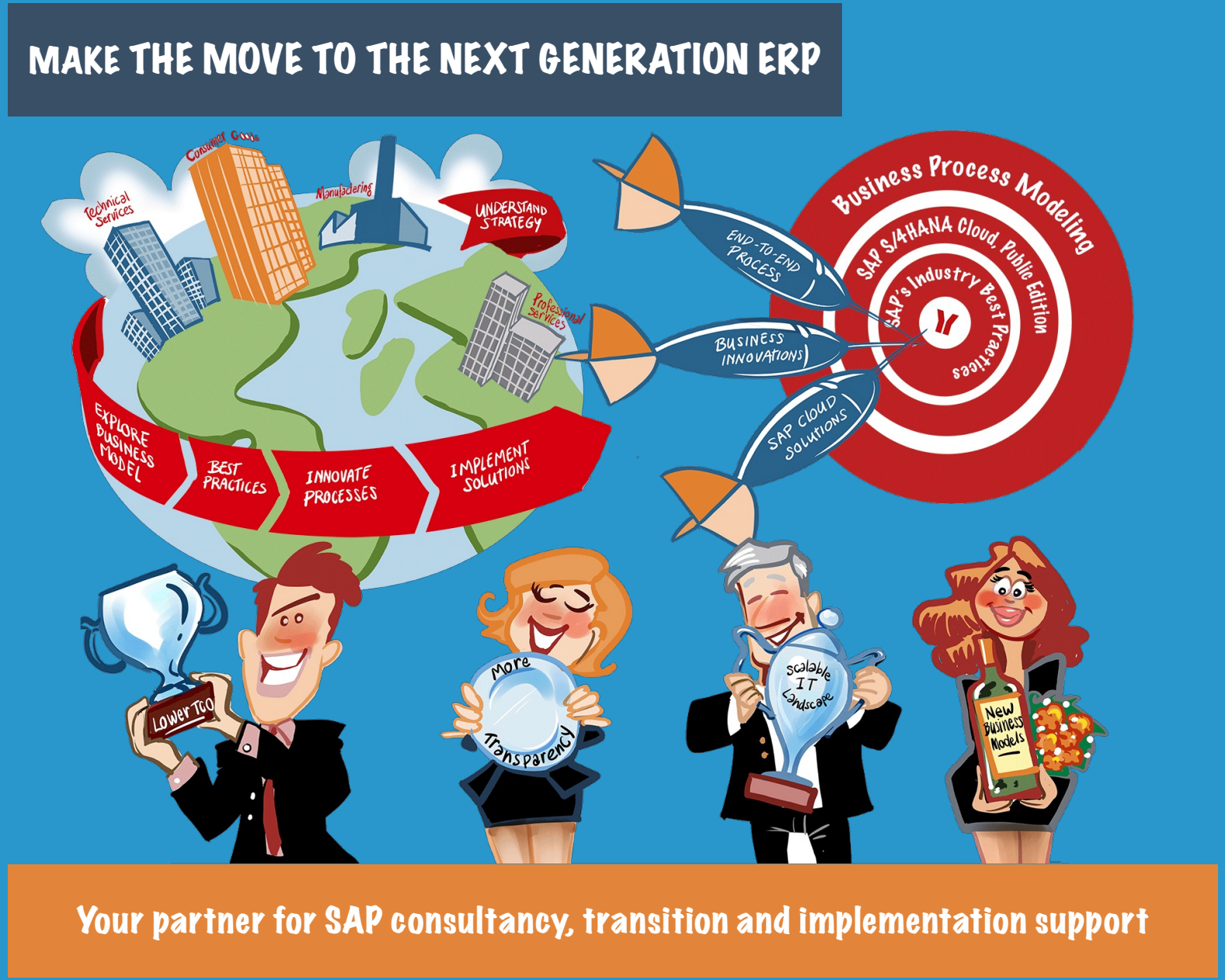

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SAP Partner
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Enterprise Resource Planning

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SAP S/4HANA Cloud,
public edition

Additional Information

- Customer References
- SAP Qualified Package for Manufacturing SAP S/4HANA Cloud, Public Edition
- SAP S/4HANA Cloud, Public Edition Knowledge bae

The most experienced partner with SAP S/4HANA Cloud, Public Edition