

SAP S/4HANA Cloud Private Edition

Innovations in 2023 FPS03

Christine Hofmann, June 2025

SAP SE

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Agenda

SAP S/4HANA Cloud Private Edition – a key component of SAP's strategy

Highlights of innovations for SAP S/4HANA Cloud Private Edition 2023 FPS03

Additional resources

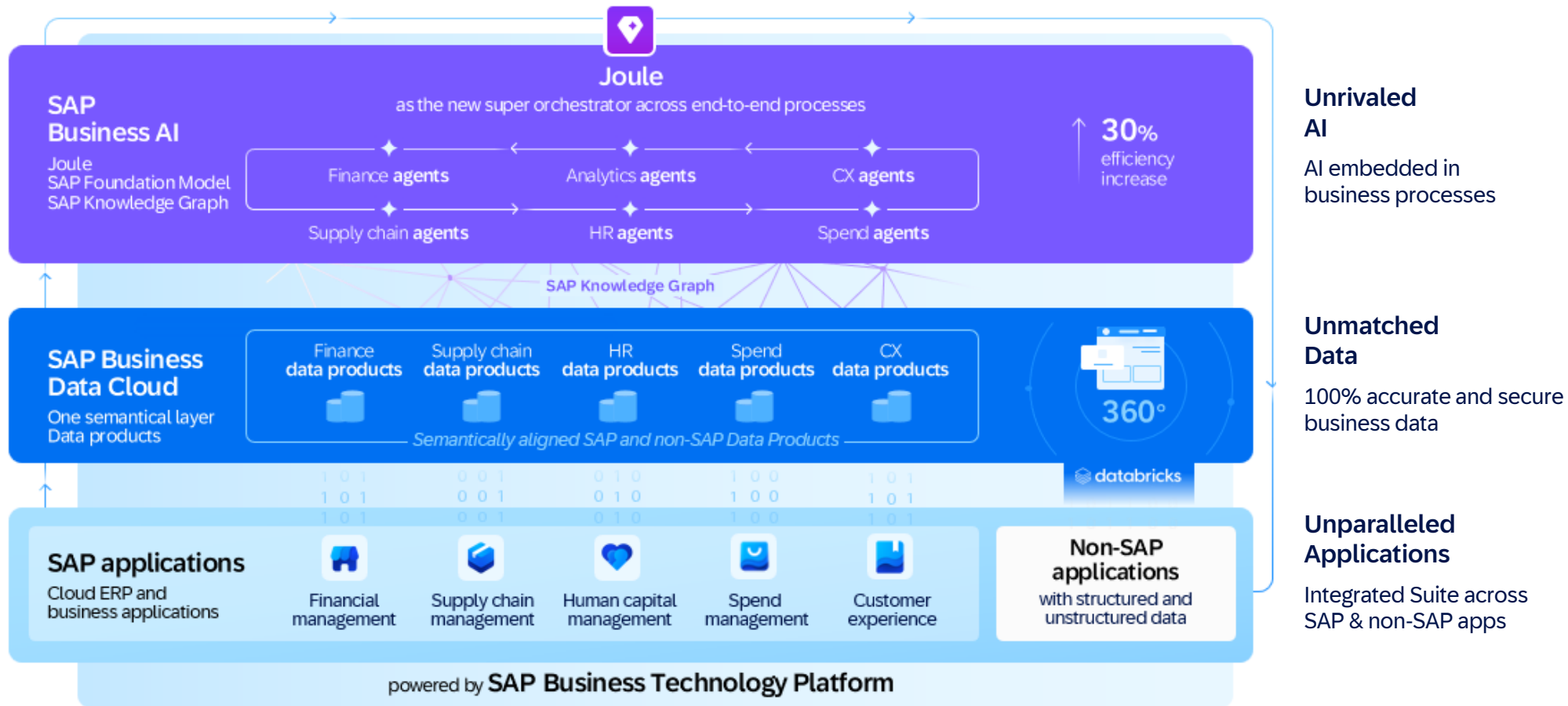
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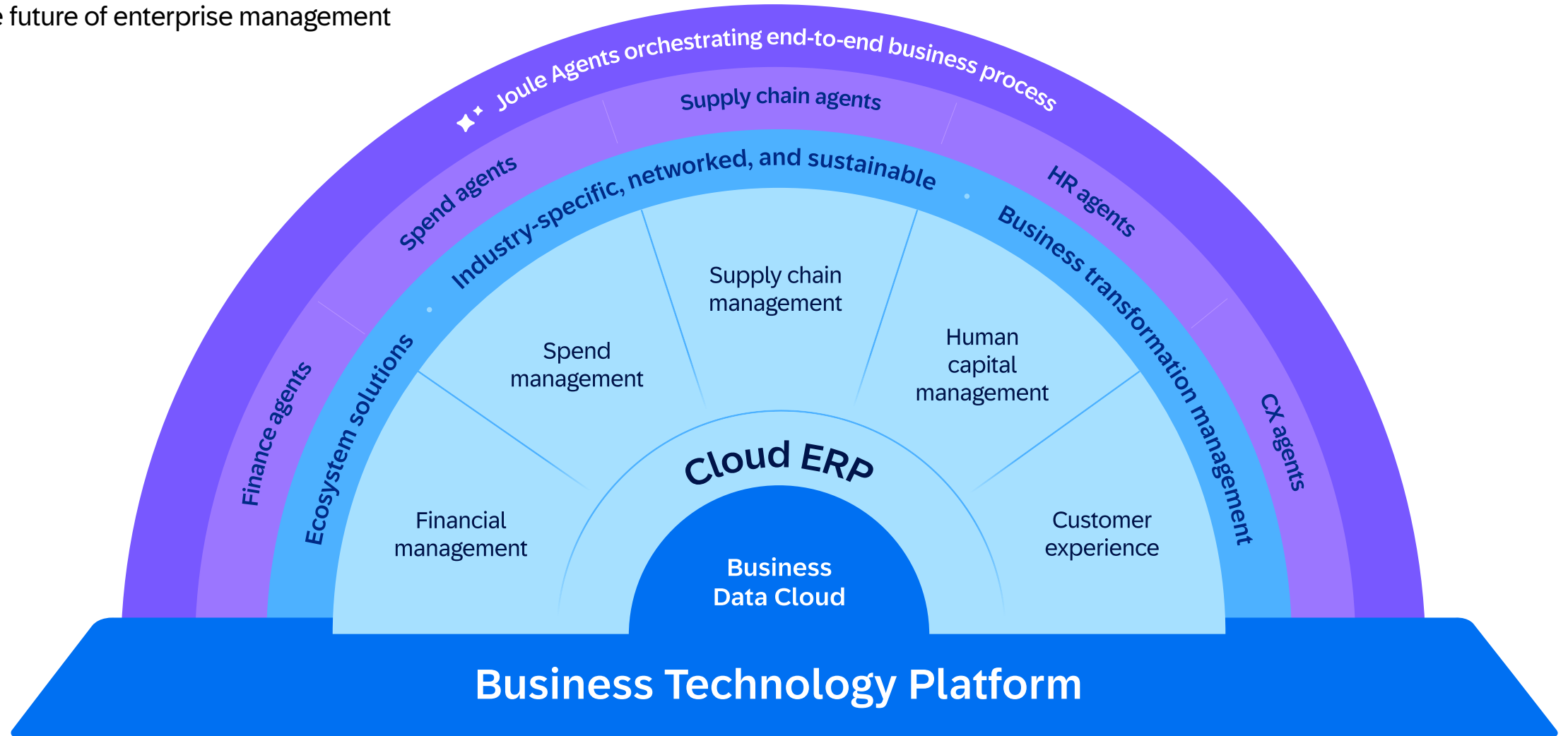
Additional resources

SAP Business Suite brings together AI, data, and applications on an unparalleled technology platform to transform businesses like never before



SAP Business Suite



















The future of enterprise management



SAP S/4HANA Cloud Private Edition

Modular Application Portfolio (MAP)



 Modular Cloud LoB Solutions	Sourcing & Procurement 	Supply Chain 	Manufacturing 	Sales 	Service 
	 SAP S/4HANA LoB Solutions	 SAP S/4HANA LoB Solutions	 SAP S/4HANA LoB Solutions	 SAP S/4HANA LoB Solutions	 SAP S/4HANA LoB Solutions
SAP S/4HANA Cloud Private Edition Enterprise Management	<ul style="list-style-type: none"> Guided buying Supplier management Business network 	<ul style="list-style-type: none"> Integrated business planning Global batch traceability Logistics business network Transportation management Extended warehouse management 	<ul style="list-style-type: none"> Digital manufacturing 	<ul style="list-style-type: none"> E-Commerce Sales automation Customer data Marketing Customer service 	<ul style="list-style-type: none"> Service cloud Field service management Customer relationship management
	<ul style="list-style-type: none"> Central procurement Sourcing and contract (extended) 	<ul style="list-style-type: none"> Advanced warehousing Advanced transportation Advanced order promising Service parts distribution 	<ul style="list-style-type: none"> Ext. Production planning & scheduling Ext. prod. engineering & operations Environment, health, and safety 	<ul style="list-style-type: none"> Order and contract management Sales force support Solution Business Management 	<ul style="list-style-type: none"> Service master data and agreement Service operations and processes Service parts management
 SAP S/4HANA LoB Solutions	<ul style="list-style-type: none"> Operational procurement Sourcing and contract Supplier management Procurement analytics Invoice management 	<ul style="list-style-type: none"> Inventory Warehousing Delivery and transportation Order promising Logistics cross topics Circular economy logistics 	<ul style="list-style-type: none"> Production engineering Production planning Production operations/options Quality management Manufacturing insights 	<ul style="list-style-type: none"> Time sheet management Organizational structure management Travel management 	<ul style="list-style-type: none"> Application lifecycle management Intelligent business processes Business technology platform Extensibility framework Sustainability solutions Industry specifics
	<ul style="list-style-type: none"> Accounting and financial close Financial operations Cost mgmt. and profitability analysis Enterprise risk and compliance 	<ul style="list-style-type: none"> Enterprise portfolio and project management 	<ul style="list-style-type: none"> Maintenance management 	<ul style="list-style-type: none"> HR administration Time management Payroll, reimbursement and rewarding Talent mgmt. and learning management HR strategy and planning 	<ul style="list-style-type: none"> Cross Functional
 Modular Cloud LoB Solutions	<ul style="list-style-type: none"> Adv. accounting, financial close Adv. financial operations Treasury management Commodity management Real estate management Subscription billing and revenue mgmt. 	<ul style="list-style-type: none"> Extended enterprise portfolio and project management Product lifecycle management Product compliance 	<ul style="list-style-type: none"> Resource scheduling Spatial asset management (linear asset management) 	<ul style="list-style-type: none"> Core human resources and payroll Time and attendance management Talent management Human capital analytics 	
	Finance 	Research & Development 	Asset Management 	Human Resources 	



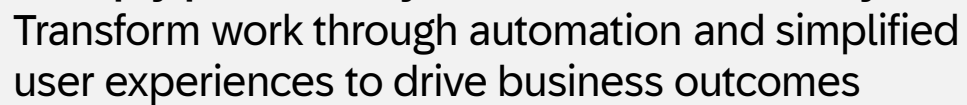
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AI-powered processes and data-driven insights and recommendations to make faster, safer decisions



SAP S/4HANA Cloud Private Edition: Joule and Business AI innovations in 2023 FPS03

Procurement



Using Joule for purchase requisitions and purchase orders

Supply Chain



AI-assisted creation of inbound cargo and shipping documents

Machine learning based planned execution times for warehouse tasks

AI-assisted conversational planning in Transportation cockpit

Manufacturing



Using Joule for production orders and process orders

AI-based explanation assistant of "Detailed Scheduling Optimizer" results

Sales



AI-assisted monitoring and resolving sales order fulfillment issues.

Fetch sales order and billing document information

Create sales orders with a reference using Joule

Mass change of sales orders using Joule

Service



Fetch service confirmation information using Joule

Navigate/Search/Change Service Order using Joule

AI-assisted in-house service initiation

AI-Assisted Journal Upload

Using Joule for subscription order creation and contract summarization

Using Joule for accountants, cash managers and project controller

Using Joule for convergent invoicing and contract accounting

Finance



Joule for BOM for transactions and navigation

Joule for change records for transactions and navigation

Joule support for project assistants

R&D



AI-assisted maintenance order recommendation

Using Joule for Perform Maintenance Jobs

Using Joule for Maintenance Orders and Notifications

Asset Management



AI-assisted Changes and Summarization of Change Requests and Mass Changes in Master Data Governance

Cross Functional >>>





Home ▾



My Home

Billing ▾

DLM - Internal SAP Tools

Fiori Launchpad

Internal Sales ▾

To-Dos (0) ▾

You have completed all of your to-dos.
New ones will show up here.

Pages ▾



Overview
Billing



Billing Processing
Billing



Sales Rebates
Billing



Sales
Commissions and
Incentives
Billing



My Business Role
Assignment
DLM - Internal SAP
Tools

Fiori L

Apps ▾

Joule - Sd Premium Assi...



Item Level

The quantity of Plutonium Case in sales order
28269 has been changed to 10 units.



Click on display to open Sales Order
28269

Display

What are the Issues with this Sales Order



Working on your request...

Message Joule...



Sales

Get explanations for sales order fulfillment issues with Joule and Business AI

- In addition to monitoring and resolving sales order fulfillment issues, Joule now also provides explanation for issues and blocks.
- Ask Joule about incomplete data, delivery block issue, credit block issue, billing block issue, delivery issue, and trade compliance issues
- Get a quick overview about the fulfillment status of a sales order
- Provide issue explanation and resolution based on real time fulfillment status by analyzing follow up documents

The screenshot displays the SAP Sales Order Fulfillment Issues dashboard. At the top, there are three summary charts: 'Issues Total by Issue Category', 'Issues Total by Sales Organization', and 'Issues Total by Sold-to Party'. Below these, a 'Sales Documents with Issues' section shows a donut chart and a table of issues. A Joule AI overlay is present, showing a conversation about a 'Delivery Block in Sales Order' for sales order 7333. The overlay includes a detailed explanation of the issue and a 'Remove Header Delivery Block' button. A red arrow points from this button to a detailed view of the delivery block on the right side of the screen.

Sales Order Fulfillment Issues

Issues Total by Issue Category | K

Issue Category	Count
In Order	37
In Supply	9
Other	5

Issues Total by Sales Organization

Sales Organization	Count
Dom. Sales Org ...	26K
Dom. Sales Org ...	23K
Dom. Sales Org ...	632

Issues Total by Sold-to Party | K

Sold-to Party	Count
Domestic US CU...	21
Inlandskunde D...	9
Plant 1710 as B...	9

Sales Documents with Issues

Issue

Sales Documents with Issues (50.364)

Next Action in Days	Sold-to Party	Net Value	Requested Deli...	Issue
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Billing Block in Sales Orders
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Billing Block in Sales Orders
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Billing Block in Sales Orders
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Billing Block in Sales Orders
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Delivery Issue in Sales Orders
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Delivery Issue in Sales Orders
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Delivery Issue in Sales Orders
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Delivery Issue in Sales Orders
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Delivery Issue in Sales Orders
1.408	Inlandskunde de2 In de2 - additional (10100003)	2,848.82 EUR	11.11.2029	Delivery Issue in Sales Orders
-55	Inlandskunde DE 3 (10100003)	2,848.82 EUR	01.07.2025	Incomplete Data in Sales Orders
-55	Inlandskunde DE 3 (10100003)	2,848.82 EUR	01.07.2025	Incomplete Data in Sales Orders
-1.222				

Joule - Sd Premium Assi...

Sales order from being processed further.

4. **Delivery Block in Sales Orders** - Overdue by 55 days, this issue is creating a block on the sales order, preventing further action.

For detailed information about each issue and its impact on the sales order, please refer to the individual Cards below. Note that the dueness for resolving these issues is typically driven by the Material Availability Date or Goods Issue Date of the underlying Schedule Lines.

Delivery Block in Sales Order

Indicates that one or more delivery blocks prevent delivery of the sales order 7333 .

[Remove Header Delivery Block](#)

Delivery Block in Sales Order

Indicates that one or more delivery blocks prevent delivery of the sales order 7333 .

Details:

Delivery Block (Document Header)

[Check Shipping Data](#)

[Remove Header Delivery Block](#)

Sales

Mass change of sales orders using Joule

- Joule allows you to make changes to sales order fields at both the header and item levels, also doing mass changes to these fields.
- At the header level, Joule can update the requested delivery date, purchase order number, customer payment terms, delivery block reason, billing block reason, and order reason.
- At the item level, Joule can update the requested quantity, billing block reason, item rejection reason, and item description.
- The AI-driven logic determines if requested changes are feasible before execution. Additionally, sales teams can opt for an extra confirmation step using Joule before implementing mass changes, ensuring greater control over order processing.

The screenshot displays the SAP Fiori Launchpad interface. The top navigation bar includes the SAP logo, a 'Home' dropdown, and several menu items: 'My Home', 'Billing', 'Central Procurement', 'DLM - Internal SAP Tools', 'Fiori Launchpad', 'Internal Sales', and 'Sales Management'. The main content area is divided into 'Pages' and 'Insights' sections. The 'Pages' section contains six tiles: 'Overview Billing', 'Billing Processing Billing', 'Sales Rebates Billing', 'Sales Commissions and Incentives Billing', 'Overview Central Procurement', and 'Central Purchasing Central Procurement'. The 'Insights' section shows 'Customers Overview' and 'My Sales Overview'. The 'Apps' section at the bottom lists 'Manage Sales Orders Version 2', 'Sales Order Fulfillment Issues Delivery Block', 'Customers Overview', and 'Monitor External'.

Overlaid on the right side of the interface is the 'Joule - SAP Digital Assistant' window. It contains a list of 13 items to be changed, each with a description of the field and the number of values to be updated. The items are:

7. Sold-to Party (multiple values separated by '/')
8. Sales Order Type (multiple values separated by '/')
9. Sales Office (multiple values separated by '/')
10. Ship-To Party (multiple values separated by '/')
11. Division (multiple values separated by '/')
12. Sales Group (multiple values separated by '/')
13. Total number of sales orders to be changed (numeric value)

Below the list, there is a text input field with the value 'sales organization 1010'. A confirmation dialog asks: 'Do you want to set the delivery block for single or multiple sales orders?'. The dialog has three buttons: 'Single', 'Multiple', and 'Cancel'. At the bottom of the window is a text input field labeled 'Message Joule...' and a send button.

Finance

AI-assisted Journal Upload

Use generative AI technologies to simplify the process of creating journal entries

- Reduce the manual workload by using generative AI to generate journal entry proposals based on posting policies and transactional data.
- Ensure accuracy by reviewing the generated journal entry proposals, filling in missing information, and modifying incorrect entries.
- Once the proposals are reviewed and approved, the validation and posting processes are triggered. Successful posting results in the creation of new journal entries.

Manage Journal Upload Cases

Provision for Potential Lawsuit Compliant
C100004

Fiscal Period: 001.2024 Status: Created Confidence: Very High

Approval Status: -

General Information | Reference | **Journal Entry** | Comment

Additional Instruction: Please generate **one provision** journal entry with the case detail. Take sample journal entry as a reference.

Sample Journal Entry
Journal ID: 1000075113
Company Code: 1010(SAP AG)
Fiscal Year: 2024

The generated proposal may not always be accurate. Verify results before use.

Line Items (30) Provision

Temporary ID	Line...	Document Type	GL Account	Debit	Debit Curre...	Credit	Credit Curre...	Tax Code	Cost Center
Temporary ID: 140002182									
140002182	1	SA(G/L Account Document)	Provision			10,000	EUR	3QERTA	1101(Cost Center 11)
140002182	2	SA(G/L Account Document)	Expense	10,000	EUR			3QERTA	1101(Cost Center 11)
140002182	3	SA(G/L Account Document)	Provision			20,000	EUR	3QERTA	1101(Cost Center 11)
140002182	4	SA(G/L Account Document)	Expense	20,000	EUR			3QERTA	1101(Cost Center 11)
Group Balance: 0.00 EUR				30,000	EUR	30,000	EUR		
Temporary ID: 140002183									
140002183	1	SA(G/L Account Document)	Provision			10,000	USD	3QERTA	1101(Cost Center 11)
Total Balance: All Balanced									

Created with SAP AI on Jan 19 2024 at 4:42 PM

Submit Save Discard

Increase speed, quality and standardization by automating the generation of journal entry proposals based on transaction data and posting policies

Service

AI-assisted in-house service initiation

Challenge

Repair shops receive a significant amount of paperwork. Manually converting this paper-based information into the SAP system is labor-intensive and prone to errors, which can lead to data loss—especially under tight deadlines.

Solution

Our new feature leverages the Documented Information Extraction (DOX) AI service to streamline this process:

- **Capture:** Repair staff can simply scan or photograph incoming paper documents (e.g., purchase orders).
- **Process:** The SAP system automatically extracts the necessary data and creates a list of repair objects for the corresponding in-house service.
- **Review:** Repair staff then reviews the generated order and continues processing it to completion.

Manage In-House Repairs

Create In-House Repair from Document

Transaction Type: In-House Repair

Sold-To Party: (17100001) Domestic US Customer 1

Ship-To Party: (17100001) Domestic US Customer 1

Contact Person:

Employee Responsible:

Organizational Data

Sales Organization Unit: (O 50000001) Dom. Sales Org US

Sales Organization: (O 50000001) Dom. Sales Org US

Distribution Channel: (10) Direct Sales

Division: (00) Product Division 00

Repair Objects

Actions	Product	Quantity	Quantity Unit	Equipment	Serial Number	Manufacturer Serial Number
	(SRV_TG01_ROT) Rotor	1	PC	10135597	000000001199228833	
	(SRV_TG01_BLD) BL...	50	PC			
	(SRV_TG01_AIC) Air Co...	1	PC	10135598	000000005566447733	

DOMESTIC US CUSTOMER

Phone: +1 999 555 6721

Email: info@17100001.com

Contact: Susan Miller

Ship to:

Domestic US Customer 1

Augusta Ave SE 200

90001 Atlanta

Phone: +1 999 555 6721

Email: info@17100001.com

Purchase Order Number: 1122334455

Notes: Perform calibration infrared thermometers; tolerance: 1,0 °C

Sl.no	Equipment	Product	Serial Number	Qty	Description	Unit Price	UoM
10	10135597	SRV_TG01_ROT	1199228833	1	Rotor		PC
30		SRV_TG01_BLD		50	Blades		
70	10135598	SRV_TG01_AIC	5566447733	1	Air Cooler		PC

Create **Cancel**



Apps ▾

Add Apps

Favorites

Most Used

Recently Used

4

Asset Management

5

Service Processing

4

Service Reports

Pages ▾



Overview
Service



Service Processing
Service



Contract Processing
Service



Recurring Service Processing
Service



Overview
Maintenance Planning

Manufacturing AI Assistant for "Detailed Scheduling Optimizer" Results

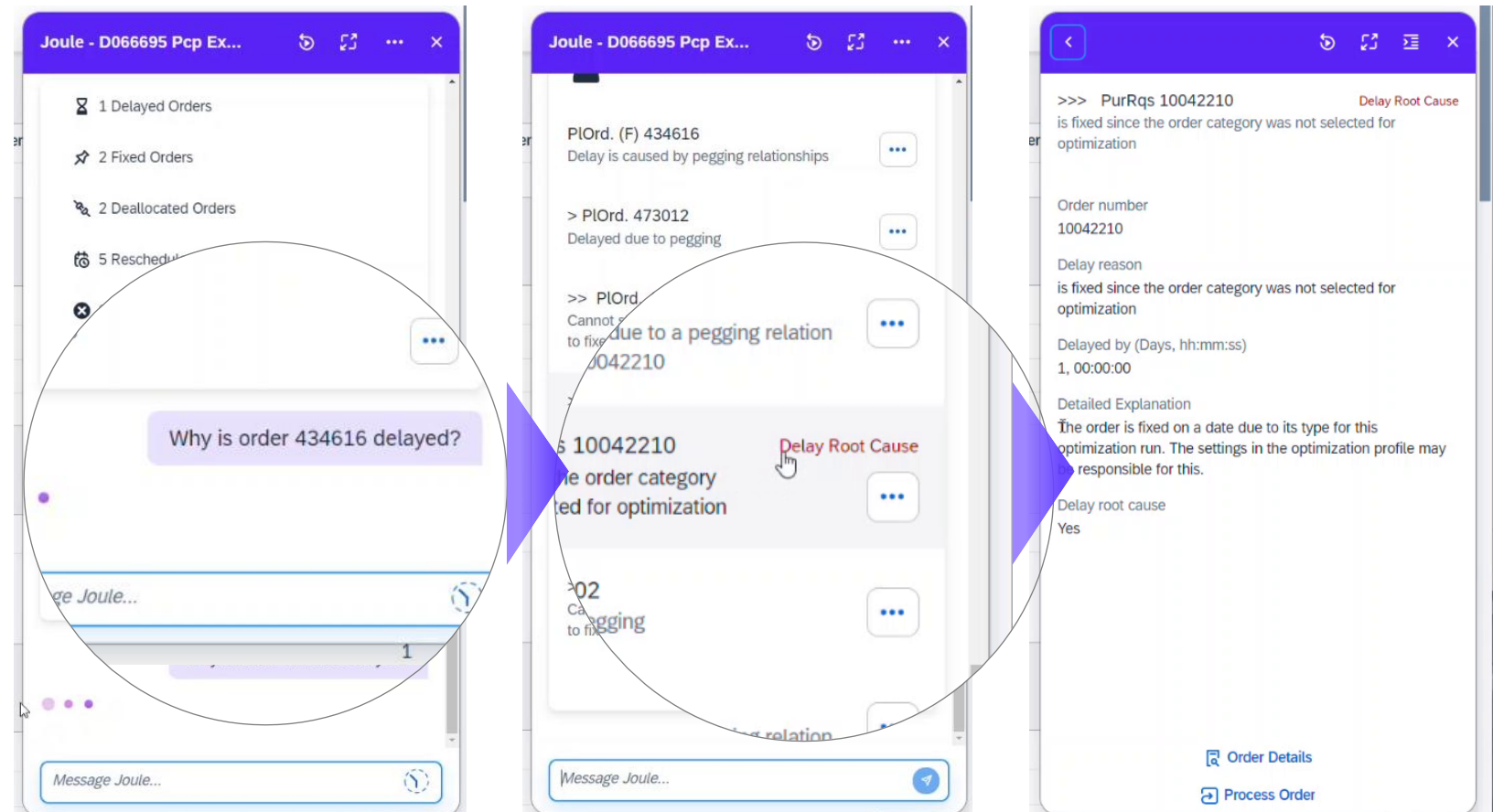


Challenge

Production planners often struggle to quickly understand the "Detailed Scheduling Optimizer" results, as they are intricate and lack clear explanations. This complexity leaves planners uncertain about the decisions made by the optimizer, making it challenging to address exceptions efficiently.

Solution

SAP's AI assistant now includes a capability that offers explanations for "Detailed Scheduling Optimizer" planning results. Production planners can ask questions in natural language through a chat interface, allowing them to intuitively grasp what occurred during the scheduling process. This helps them to focus on any exceptions.



Interactive and Automated Planning

Recently Added Apps

Monitor Product
Status
Product group CHPP

...

Error

Product Overview
Product group CHPP*

...

Error

Individual Planning

Product Overview



Product View



Order View



Receipts View



Requirements View



Pegging Overview



Maintain Strategy Settings

Maintain Work Area

Planning of Products and Resources

Advanced
Scheduling Board



Resource Planning
Table



Product Planning
Table



Monitor Capacity
Utilization



Monitor Product
Status



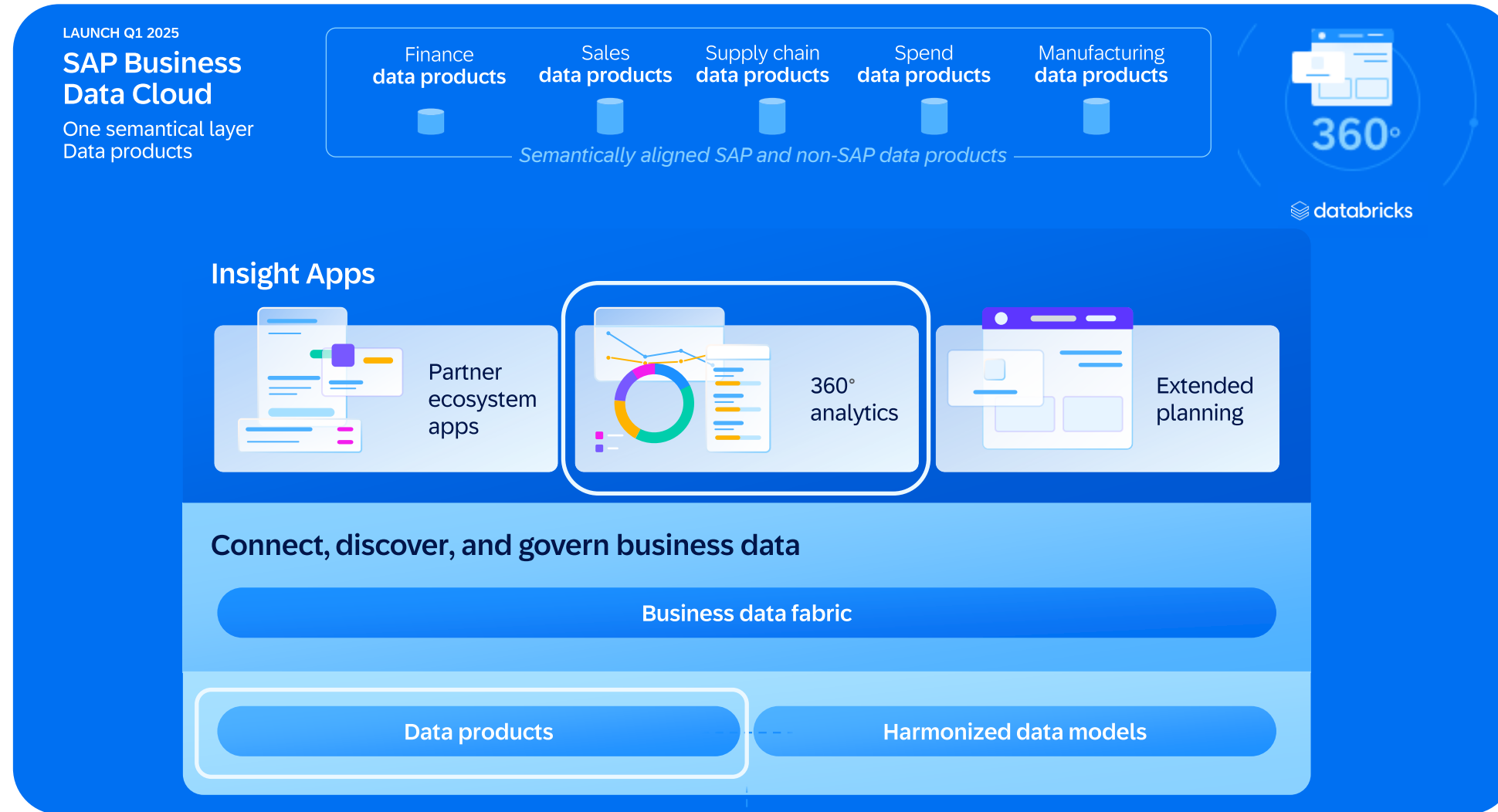
Monitor Receipts



Maintain Simulation Versions

Maintain Propagation Range

SAP Business Data Cloud and SAP S/4HANA Cloud Private Edition



Unmatched data

With **SAP Business Data Cloud**, your highly valuable business data from throughout the business turns into a semantically rich data treasure that fuels unrivaled enabled value.

[Data Products](#)

Enabling companies to effectively make use of current assets and maintain sufficient cash flow to meet short-term goals and obligations.



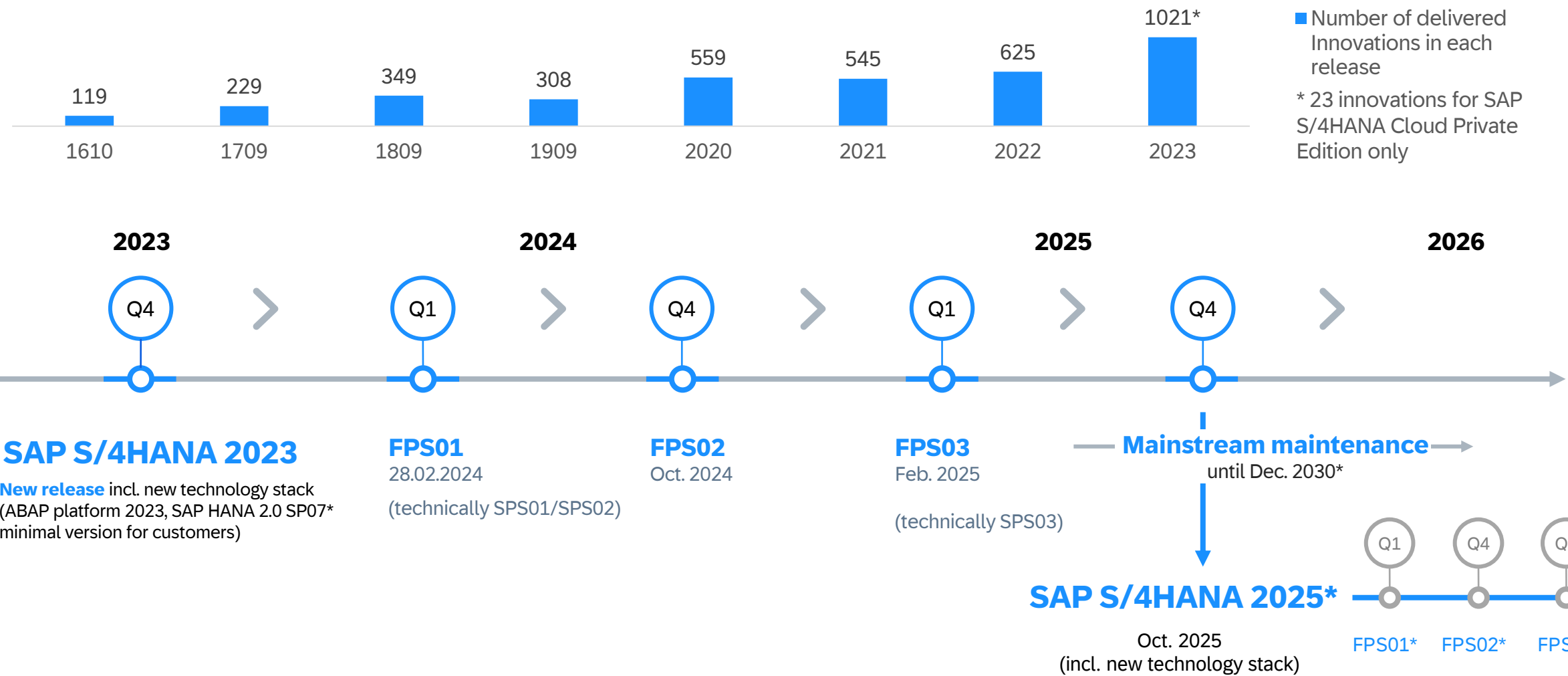
- How has the working capital trended over the past few periods?
- What is the average payment period for accounts payable?
- Are there opportunities to negotiate better payment terms with suppliers?
- What is my days sales outstanding?

SAP Notes [3606495](#), [3606487](#)

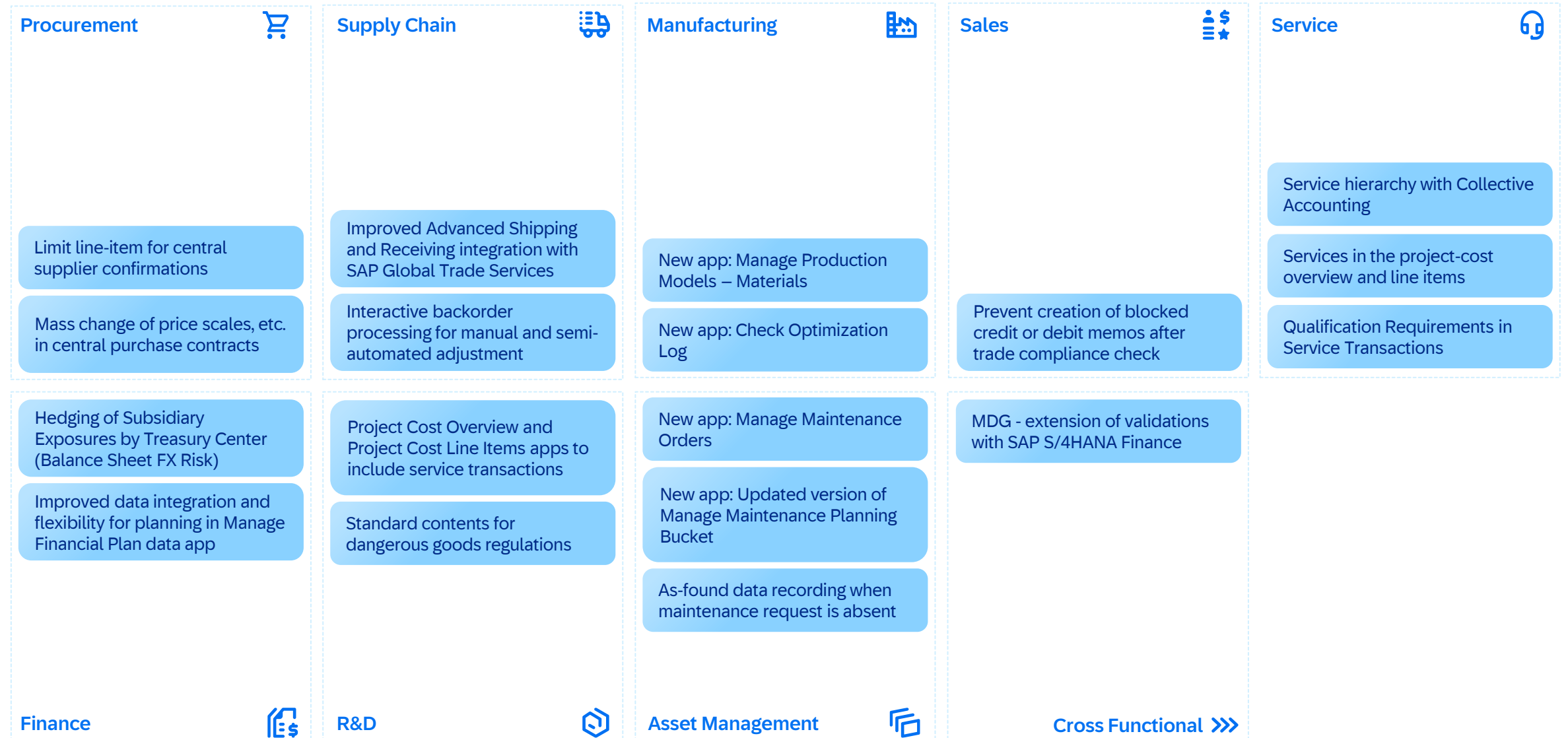


SAP S/4HANA Cloud Private Edition

Evolution of innovations and release strategy for 2023 → 2025



SAP S/4HANA Cloud Private Edition: recent innovations in the core



Sourcing and Procurement

Mass change of price scales and additional fields in central purchase contracts

- Extension of the existing mass change capability for central purchase contracts through offline Microsoft Excel upload by also supporting the update and creation of price scale values for condition types configured for price scale maintenance
- Ability to save newly created or updated central purchase contracts through mass change in preparation mode only
- Support for additional fields by the offline Excel upload including:
 - Numerator and denominator on item level
 - Item category on item level
 - Unit of measurement conversion on price-condition level
 - Incoterms classification and location 1 on distribution level

Mass Changes to Central Purchase Contracts

Standard

Mass Edit Download Upload Mass Add Monitor Mass Changes

Supplier: Central Purchasing Organization: Central Purchasing Group: Central Company Code: Connected: Status:

Material:

Go Adapt Filters

Central Purchase Contract Headers (838) Central Purchase Contract Items (15.365) Central Purchase Contract Hierarchy Headers (18) Central Purchase Contract Hierarchy Items (18)

Central Purchase Contract headers (838)

Central Contract

4700000000

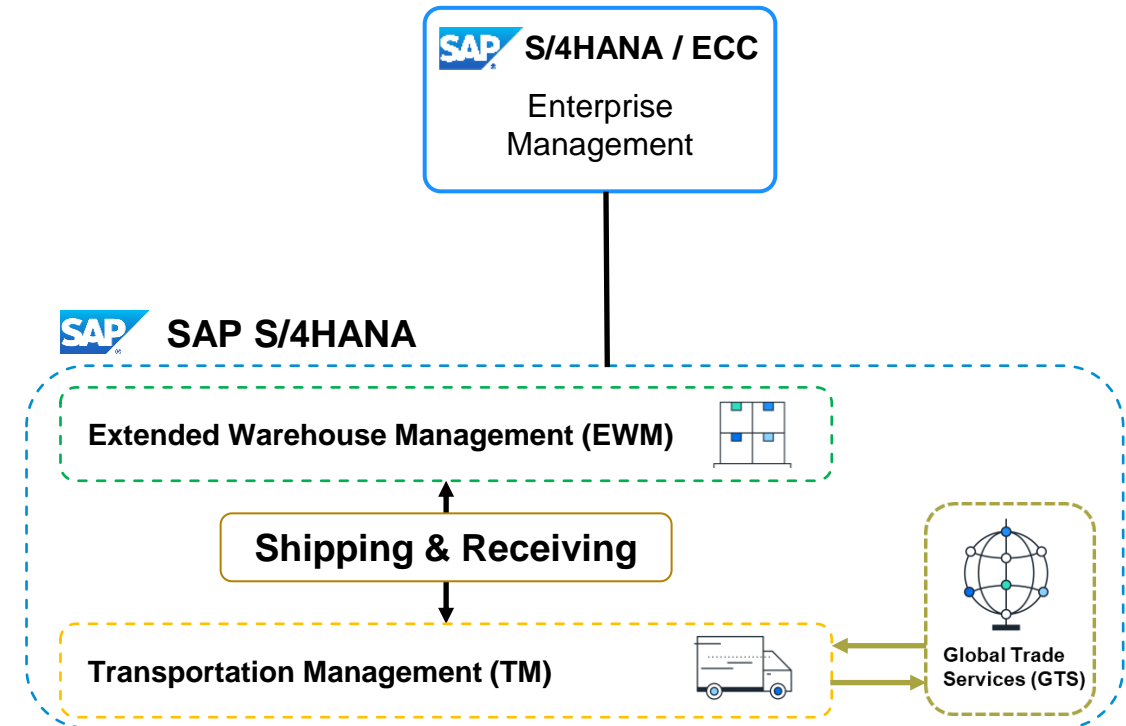
Central Contract	Item	Condition Group ID	Condition Type	Line number	Scale Type	Scale Quantity	Scale Unit of Meas.	Scale Value	Scale Currency	Amount	Condition Currency
4700000427	00010	0000152977	PPRO	0001	A	10	PC	0,00		9,00	EUR
4700000427	00010	0000152977	PPRO	0004	A	50	PC	0,00		8,00	EUR

Central Contract Header Notes Central Contract Item Notes Central Cont. Item Price Scale

Supply Chain: Advanced Warehousing

Decentral EWM integration with GTS

- Integration of decentralized Extended Warehouse Management (EWM) and Transportation Management (TM) with SAP Global Trade Services (GTS)
- Enables one to conduct compliance checks (Sanctioned Party List Screening, Embargo Check or Legal Control Check) for freight units and freight orders and complete export declaration for consignments and freight orders
- Same integration pattern with GTS for both EWM and IM managed storage locations



Sales

Preventing creation credit or debit memos after trade compliance check

- When a source document item of an order-related billing, debit memo request, or credit memo request item is blocked by SAP Global Trade Services (SAP GTS) during trade compliance check, the creation of the corresponding credit or debit memo item is suppressed, and a message is raised.
- Once the document is released in SAP GTS, the invoices can be processed as usual.

< **SAP** Change Credit Memo Req WDF2 60027675: Overview ▾

Menu ▾ Display Display Document Flow Status Overview Propose Items Header Output Preview Reject Document Enhanced Material Search ⋮

Credit Memo Req WDF2: 60027675 Net Value: 1.000.00 EUR

Sold-to Party: NA_WDF01 Company SAP Test Customer, Dietmar Hopp Allee 53, 69190 Walldorf, Germany

Ship-to Party: NA_WDF01 Company SAP Test Customer, Dietmar Hopp Allee 53, 69190 Walldorf, Germany

Cust. Reference: GTS Block For Credit Memo Cust. Ref. Date: 19.02.2025 Base Values

Sales **Item Overview** Item Detail Ordering Party Procurement Configuration Reason for Rejection

Billing Date: 18.02.2025

Billing Block:

SAP GTS compliance check results for blocked documents

Document Number: 60027675 Overall Status: Partially Blocked

Item	Embargo Check	Screening Status	Legal Control	Blocking Reason LC
10	Released	Released	Blocked	License

All Items

Item	Material
10	SERV_WDF02_02

< **SAP** Create Billing Documents ▾

Standard ▾

SD Document: Search -60027675 x SD Document Category: Sold-to Party: Billing Date: To 19.02.2025 Go Adapt Fit

Billing Due List Items (1)

SD Document	SD Document Category
60027675	Credit Memo Request

Messages

Document 60027675, Item 10: Item is blocked by Legal Control (SAP GTS)

Create Billing Documents Billing Settings

Net Value: 10.00 EUR

- Manual or semi-automated adjustments (using BOP strategies) to order confirmations within ATP limits to optimize fulfillment
- Orchestrate the confirmed dates and quantities of existing demand elements namely Sales Orders and Stock transport orders, while considering the constraints given by the basic ATP-methods, Product Availability Check - PAC, Supply Protection-SUP and Product Allocation-PAL
- Enable Backorder Processing Confirmations Strategies - Redistribute , Lose , Improve
- An interactive UI to load the requirements incl existing BOP segments & excel upload and perform mass processing of confirmations

Public

Manufacturing

New app Manage Production Models – Materials

With this app, you can maintain production models for single-level, non-configurable, non-unitized materials.

The production model provides a joint view of the manufacturing bill of material (MBOM) and the shop floor routing to facilitate hand-in-hand definition of the MBOM components and shop floor production steps, supported by a 3D visual of the header material of the MBOM.

SAP Material Production Model

Air Intake Assembly (0001-001-DSM-780-INTAKE_ASM)
Plant: 0001 (Plant 0001), Production Model Version: 2, Production Model Status: In Process

BOM Components | Standard

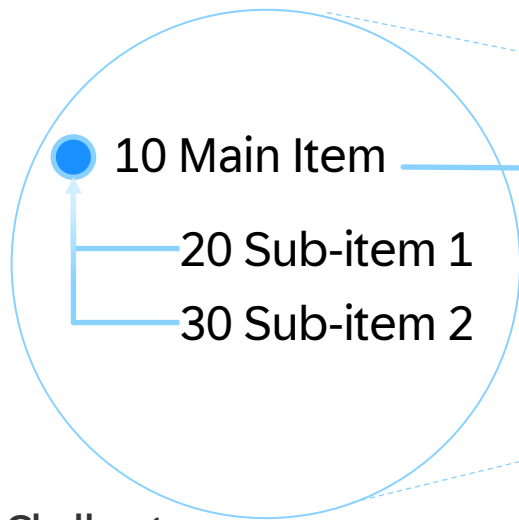
Item Number	Item Category	Com...	Component Description	Quantity	Op. Acti...	Operation	Assignment Status	MRS Designator
0010	Stock Item (L)	0001-001-	Inlet Funnel	1 EA	OA10	0010	1 / 1 EA	
0020	Stock Item (L)	0001-001-	Carb Flap	1 EA	OA10	0010	1 / 1 EA	
0030	Stock Item (L)	0001-001-	Rubber Ring	1 EA	OA10	0010	1 / 1 EA	
0040	Stock Item (L)	0001-001-	Throttle Body	1 EA	OA10	0010	1 / 1 EA	
0050	Stock Item (L)	0001-001-	Ring Flange Gasket	1 EA	OA10	0010	1 / 1 EA	
0060	Stock Item (L)	0001-001-	HEX Head Flange Bolts	4 EA	OA20	0010	4 / 4 EA	
0070	Stock Item (L)	0001-001-	Upper Part Airbox sub-assembly	1 EA	OA20	0010	1 / 1 EA	
0080	Stock Item (L)	0001-001-	Lower Airbox sub-assembly with filter	1 EA	OA10	0020	1 / 1 EA	
0090	Stock Item (L)	0001-001-	Exhaust HDR Pipe	4 EA	OA10	0020	4 / 4 EA	
0100	Stock Item (L)	0001-001-	Hex Flange Bolt M6X12	16 EA	OA20	0020	16 / 16 EA	
0110	Stock Item (L)	0001-001-	Gasket for Air Intake	4 EA	OA10	0030	4 / 4 EA	
0120	Stock Item (L)	0001-001-	Locking	1 EA	OA20	0030	1 / 1 EA	
0130	Stock Item (L)	EW, COMP	EW component 1	1 EA	OA10	0030	1 / 1 EA	
0140	Stock Item (L)	EW, COUPL	EW component 1	1 EA	OA10	0030	1 / 1 EA	
0150	Stock Item (L)	LOKO-WHEEL	Aluminum wheel	4 EA	OA20	0030	4 / 4 EA	
0160	Stock Item (L)	LOKO-SSPOK	5-spoke aluminum wheel	4 EA	OA20	0030	4 / 4 EA	
0170	Stock Item (L)	LOKO-7SPOK	7-spoke aluminum wheel	4 EA	OA20	0030	4 / 4 EA	

Production Steps | Standard

Production Step	Production Step Type	Group
Air Intake Assembly (0001-001-DSM-780-INT...	Assembly	
Operation 10 (0010)	Operation	
Operation activity 10 (OA10)	Operation Activity	
Operation activity 20 (OA20)	Operation Activity	
Operation 20 (0020)	Operation	
Operation 30 (0030)	Operation	

BOM Visual | BOM Component | Production Step

Service: Hierarchy with collective accounting in service transactions

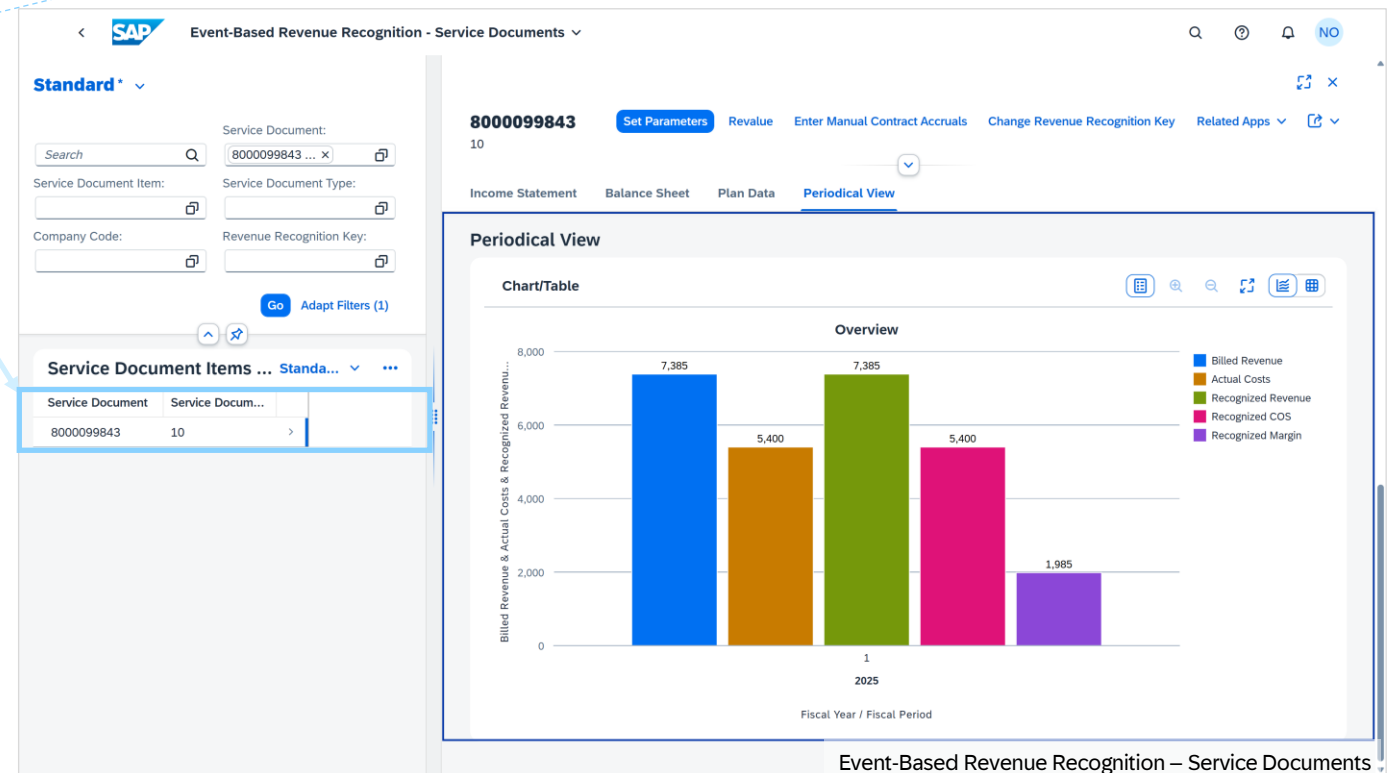


▼ Items

Show:
All Items (Hierarchy) ▼

Item	Actions	Product	Quantity	Unit	Net Value	Currency	Status	Item Category
▼ 10	...	Service (SERV)	1,0	HR	105,00	USD	Completed	FP Srvltm Collective
20	...	Advanced Diagnostics	1	AU	2.400,00	USD	Completed	Execution Order Item
30	...	Advanced Repair	1	AU	4.880,00	USD	Completed	Execution Order Item

Display Service Order



Challenge

In the past, each line item in a service transaction was considered a separate accounting object. This made it difficult to group together a "bundle" of services that should be treated as a single item for analysis purposes.

Solution

You can now use **Service Hierarchy with Collective Accounting**. This enables you to create a hierarchy of service line items, with main items and sub-items. This new capability offers more flexibility in creating bundled service offerings and allows for business reporting based on these bundles.

Service: Qualification Requirements in Service Transactions

Challenge

Certain services require personnel with specific skills. No standardized feature existed to structure an organizational-wide standard catalog to describe qualification requirements in service transactions.

Solution

You can now define **qualifications** required to perform services specified in service transactions, such as **service orders**, **service quotations**, and **service order templates**.

Using this feature, you can ensure that the right service personnel are matched to the appropriate tasks to provide top-quality service.

SAP Service Order Quotations

Service Quote S4SDC: 8000563332, Cloud Server Farm Service

Create Edit Copy Create Follow-Up Send To Customer Accept ...

Quotation Details **Items** Qualification Requirements Notes Parties Involved Transaction History Attachment

Item	Description	Quantity	Unit	Material	Price	Currency	Status
60	Server configuration	40,0	HR	Service Item	3.800,00	USD	Open

>

Qualification Requirements

Search Edit List [Icons]

Valid-From Date	Valid to Date	Actions	Qualification ID	Qualification	Mandatory	Proficiency
20.241.204.230.000	20.241.205.225.959	[Icon]	50013778	C#	<input checked="" type="checkbox"/>	Very Good
20.241.204.230.000	20.241.205.225.959	[Icon]	50013781	Cloud Computing	<input checked="" type="checkbox"/>	Adequate
20.241.204.230.000	20.241.205.225.959	[Icon]	50013783	Cloud Application Programming	<input type="checkbox"/>	

> Notes

> Parties Involved

> Transaction History

> Attachments

```

graph TD
    A[Automatic or Manual Determination] --> B[Partner  
(Sold-to/Ship-to)]
    A --> C[Equipment]
    A --> D[Custom Logic (BADI)]
    A --> E[Manual Input]
    A --> F[Functional Location]
    A --> G[Equipment  
Reference Product]
    A --> H[Service Product]
  
```

Project Cost Overview

Project Cost Line Items

Challenge

Previously, it was not straightforward to use analytics Fiori apps to report planned and actual cost details of service order and service contract assigned to projects.

Solution

Project Cost Overview and Project Cost Line Items apps have been enhanced to support service orders and service contracts. You now have project cost and revenue transparency for your service business managed per project.

- Project Cost Overview and Project Cost Line Items apps have been enhanced to support service orders and service contracts
- Enabling project cost and revenue transparency for the service business managed per project
- Inclusion of relevant filters at header level – e.g. service orders/contracts and item level – e.g. service item/contract items to facilitate easier navigation and access

Project Cost Overview

Project Cost Linie Items

R&D: Product Compliance

Delivery of Dangerous Goods Regulations via Content Service

- Consume dangerous goods regulations, through a service interface with the regulatory content service, in SAP S/4HANA Cloud Private Edition and the SAP S/4HANA solution for product compliance
- Automate updates of dangerous goods regulations when regulatory changes and enhancements occur
- Allow users to continuously consume up-to-date compliance requirements for dangerous goods management from SAP
- Simplify the process for users to receive fast and frequent updates of dangerous goods regulations independent of the solution release

< **SAP** Activate Compliance Requirements ▾

Apps ▾ | Search In: "Apps" 🔍

Standard ▾

Search 🔍

What's Changed: Update of Existing Version x 2 more ▾

Status: ▾

[New or Updated \(16\)](#) Active (16) Inactive (0)

Compliance Requirement Versions						
<input type="checkbox"/> Compliance Requirement Version	What's Changed	Effective Date	End of Transition	Status	Configuration	Action
<input type="checkbox"/> CFR 49 as of May 30th 2023	Update of Existing Version	10.05.2023	10.05.2023	Released	Edit	Confirm
<input type="checkbox"/> ADG 2023	Update of Existing Version	01.04.2023	01.04.2024	Released	Edit	Confirm
<input type="checkbox"/> ADR 2023	Update of Existing Version	01.01.2023	30.06.2023	Released	Edit	Confirm
<input type="checkbox"/> ANTT 2023	Update of Existing Version	01.06.2023	01.06.2023	Released	Edit	Confirm
<input type="checkbox"/> IATA-DGR 2024	Update of Existing Version	01.01.2024	02.01.2024	Released	Edit	Confirm
<input type="checkbox"/> IMDG Code 2022	Update of Existing Version	01.01.2024	01.01.2024	Released	Edit	Confirm
<input type="checkbox"/> J/T/T 617.3 2018	Update of Existing Version	01.12.2018	18.12.2023	Released	Edit	Confirm
<input type="checkbox"/> NCh382 2021	Update of Existing Version	01.01.2023	01.01.2024	Released	Edit	Confirm
<input type="checkbox"/> NOM-002-SCT/2011	Update of Existing Version	01.04.2011		Released	Edit	Confirm
<input type="checkbox"/> NZS HB 2021	Update of Existing Version	28.01.2021	28.01.2021	Released	Edit	Confirm
<input type="checkbox"/> RID 2023	Update of Existing Version	01.01.2023	30.06.2023	Released	Edit	Confirm
<input type="checkbox"/> SANS 2022	Update of Existing Version	16.09.2022	16.09.2022	Released	Edit	Confirm
<input type="checkbox"/> TDG 2020	Update of Existing Version	19.02.2020	19.02.2020	Released	Edit	Confirm
<input type="checkbox"/> UNRTDG 2023	Update of Existing Version	10.08.2023		Released	Edit	Confirm

Activate Compliance Requirements

Asset Management: Manage Maintenance Orders App

SAP Maintenance Order 1954212

The engine no longer delivers power

General

Order Type: Reactive Maintenance (YA01)
Processing Context: Standard Order
Notification: The engine no longer delivers power (13202395)
Priority: 3-Medium (3)
Final Due Date: 25.01.2025

Reference Object

Technical Object: Car 1 (10518944)
Technical Object Type: Equipment
Assembly: SERVO MOTOR (IMC-R9700)

Status

Phase: Preparation
Subphase: In Preparation (Order)
Number of Active Phase Control Codes: 1

Costs

Baseline Costs	2,646.99
Planned Costs	2,646.99
Actual Costs	0.00

EUR

Order Scope Operations and Resources Costs Status History

Order Information

Order Description: The engine no longer delivers power
Maintenance Activity Type: Inspection (001)
Planning Indicator: Immediate order
Notification: The engine no longer delivers power (13202395)

Reference Object

Technical Object: Car 1 (10518944)
Technical Object Type: Equipment
Superior Functional Location: -
Assembly: SERVO MOTOR (IMC-R9700)
System Condition: not in operation (0)

Responsibilities

Main Work Center: General, Maintenance Technician (FG_WC)
Main Work Center Plant: Plant 0001 (0001)
Planner Group: EAMS (EAM)
Planning Plant: Plant 0001 (0001)
Person Responsible: -

Detailed Description

Long Text: Joute(AI) generated longtext
The following is a detailed error description (approximately 500 words) for a maintenance order regarding a broken car engine:
Engine Malfunction Overview:
The vehicle's engine has ceased to function properly, requiring immediate attention and repair.
Engine failure detected during routine operation, resulting in complete loss of power and vehicle immobilization.
Symptoms and Observations:
Engine refuses to start or turns over but fails to ignite.

Challenge

Up to 2023 FPS03, we did not have a Fiori app that can create, edit, and display maintenance orders creating inconsistent user experience.

Solution

With the new Manage Maintenance Orders App, you can display a comprehensive list view of maintenance orders, create maintenance orders and process individual orders.

SAP Maintenance Order 1954212

The engine no longer delivers power

Order Scope Operations and Resources Costs Status History

Operations (3) Standard

Oper...	Suboperation	Operation Description	Long Text	Execution Stage	Work Center	Phase	Subp...
<input type="checkbox"/>	0010	Operation from Task List		MAIN	General, Maintenance Technician (FG_WC)	Preparation	In Pre
<input type="checkbox"/>	0015	Additional operation		MAIN	General, Maintenance Technician (FG_WC)	Preparation	In Pre
<input type="checkbox"/>	0020	Operation for Final check		POST	General, Maintenance Technician (FG_WC)	Preparation	In Pre

Resources

By Operation: All Operations

Components Services Production Resources/Tools

Standard

Component	Description	Long Text	Item Category	Availability Sta...	Storage Location	Operation
SP001	Spare Part 001 (EN)		Stock item (L)	⊕	Finished Goods (0001)	Operation from Task
SP002	Special Part 2		Non-stock item (N)	⊕	Finished Goods (0001)	Operation from Task
	Spare Part 002		Stock item (L)	⊕	Finished Goods (0001)	Additional operation

Manage Maintenance Orders 1954212

The engine no longer delivers power

Operations (3) Standard

Oper...	Suboperation	Operation Description	Long Text	Execution Stage	Work Center	Phase	Subp...
<input type="checkbox"/>	0010	Operation from Task List		MAIN	General, Maintenance Technician (FG_WC)	Preparation	In Pre
<input type="checkbox"/>	0015	Additional operation		MAIN	General, Maintenance Technician (FG_WC)	Preparation	In Pre
<input type="checkbox"/>	0020	Operation for Final check		POST	General, Maintenance Technician (FG_WC)	Preparation	In Pre

Resources

By Operation: All Operations

Components Services More

Standard

Operation from Task List 0010

General and Dates

Control Key: Plant maintenance - Internal (PM01)
Execution Stage: MAIN
Notification: The engine no longer delivers power (13202395)
Earliest Start: 22.01.2025, 11:00:00
Earliest Finish: 22.01.2025, 17:00:00
Forecast Finish: -

Reference Object

Technical Object: Car 1 (10518944)
Technical Object Type: -
Assembly: -

Status

Phase: Preparation
Subphase: In Preparation
Active Phase Control Codes: 0

General Information Internal Work Dates Resources Status

Operation Details

Operation Information

Operation / Suboperation: 0010 / -
Operation Description: Operation from Task List
Execution Stage: MAIN
Control Key: Plant maintenance - Internal (PM01)
Maintenance Activity Type: -
Activity Type: Labor (4000)

Reference Object

Technical Object: Car 1 (10518944)
Technical Object Type: -
Assembly: -
Operation System Condition: -

Asset Management

New, updated Manage Maintenance Planning Buckets app

Enhancements new app for managing maintenance planning buckets

- Manage the life cycle of your planning buckets using system statuses.
- Assign maintenance orders and notifications to a maintenance event.
- Create comments for event-based planning buckets.
- Define available scope attributes in Customizing.

We recommend you use the new version, but you can still use the old version.

Version 1

Manage Maintenance Planning Buckets

Standard

Editing Status: All Label: *WEEKLY* Reference Planning Bucket: Type: Planning Plant:

Start Date and Time: Year to Date (01.03.2025) ... Adapt Filters (2)

Maintenance Planning Buckets (14)

Planning Bucket	Start Date and Time	End Date and Time
FL BP WEEKLY PLANNING_01_2025	01.01.2025, 06:00:00	10.01.2025, 06:00:00
Unnamed Planning Bucket	05.01.2025, 06:00:00	12.01.2025, 06:00:00
FL BP WEEKLY PLANNING_02_2025	10.01.2025, 06:00:00	17.01.2025, 06:00:00
Unnamed Planning Bucket	12.01.2025, 06:00:00	19.01.2025, 06:00:00
FL BP WEEKLY PLANNING_03_2025	17.01.2025, 06:00:00	24.01.2025, 06:00:00
Unnamed Planning Bucket	19.01.2025, 06:00:00	26.01.2025, 06:00:00
FL BP WEEKLY PLANNING_04_2025	24.01.2025, 06:00:00	31.01.2025, 06:00:00
Unnamed Planning Bucket	26.01.2025, 06:00:00	02.02.2025, 06:00:00
FL BP WEEKLY PLANNING_05_2025	31.01.2025, 06:00:00	07.02.2025, 06:00:00
Unnamed Planning Bucket	02.02.2025, 06:00:00	09.02.2025, 06:00:00
FL BP WEEKLY PLANNING_06_2025	07.02.2025, 06:00:00	14.02.2025, 06:00:00
Unnamed Planning Bucket	09.02.2025, 06:00:00	16.02.2025, 06:00:00
FL BP WEEKLY PLANNING_07_2025	16.02.2025, 06:00:00	23.02.2025, 06:00:00

List view

20250228-001W

Month-end inspection

General Data Time Period Scope Event Planning

Type: Event-Based Maintenance Planning Plant: 1010 (Week 1010) Person Responsible: ...

Time Period

Start Date and Time: 17.02.2025, 09:00:00 Duration: 12.000000000000000000 Days Recurrence: Once

End Date and Time: 01.03.2025, 09:00:00

Scope

Planner Group: ... Maintenance Plant: ... Technical Object: ...

Plant Section: ... Main Work Center: ...

Event Planning

Maintenance Event: 00000043 Maintenance Event Type: Small Maintenance

Object page

New Version

Manage Maintenance Planning Buckets

Standard

End Date and Time: Buckets (50)

Adapt Filters (2)

Maintenance Planning	Week	Year	Remaining ...	Start Date and ...
Planning Bucket	8	2025	100%	23.02.2025, 06:00:00
FL BP WEEKLY PLANNING_08_2025	8	2025	100%	21.02.2025, 06:00:00
FL BP WEEKLY PLANNING_07_2025	7	2025	71.4%	16.02.2025, 06:00:00
FL BP WEEKLY PLANNING_06_2025	7	2025	42.9%	14.02.2025, 06:00:00
FL WEEKLY PLANNING_05_2025	6	2025	0%	09.02.2025, 06:00:00
FL BP WEEKLY PLANNING_04_2025	6	2025	0%	24.01.2025, 06:00:00

Maintenance Planning Bucket

Month-end inspection

Time Period Type Status

Maintenance Event: Month-end inspection (00000043)

Execution Objects

Notifications and Orders (3)

Execution Object Type	Execution Object
<input type="checkbox"/> Maintenance Order	Monthly Pump Main
<input type="checkbox"/> Maintenance Order	Monthly Pump Main
<input type="checkbox"/> Maintenance Order	Monthly Pump Main

Status Execution Objects

Created Notifications 0

Orders 3

Total 3

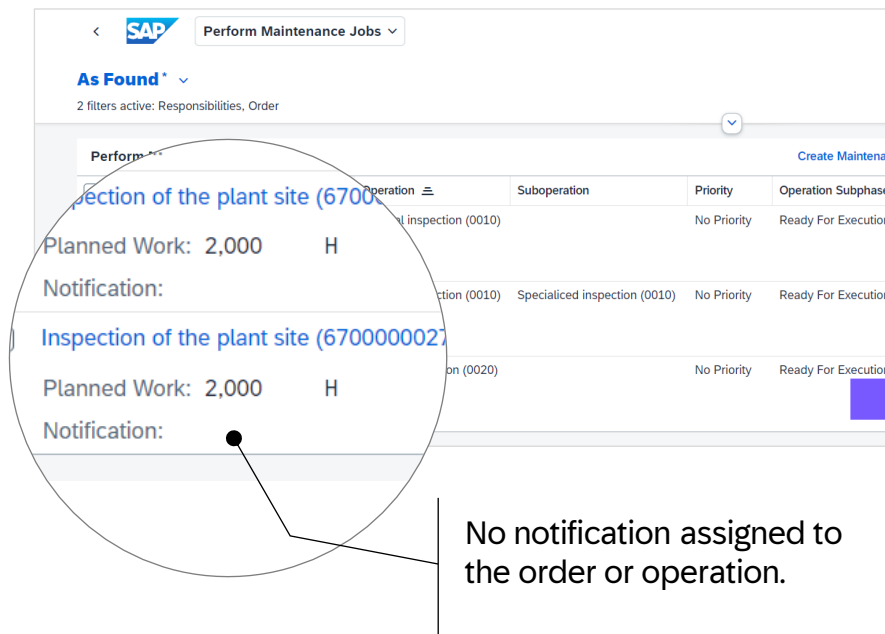
System Status

Priority Associated Notification Main Work Center

D-Very Low	10082920	EAM CAPA Check (EAM_CAPA)
D-Very Low	10082921	EAM CAPA Check (EAM_CAPA)
D-Very Low	10082922	EAM CAPA Check (EAM_CAPA)

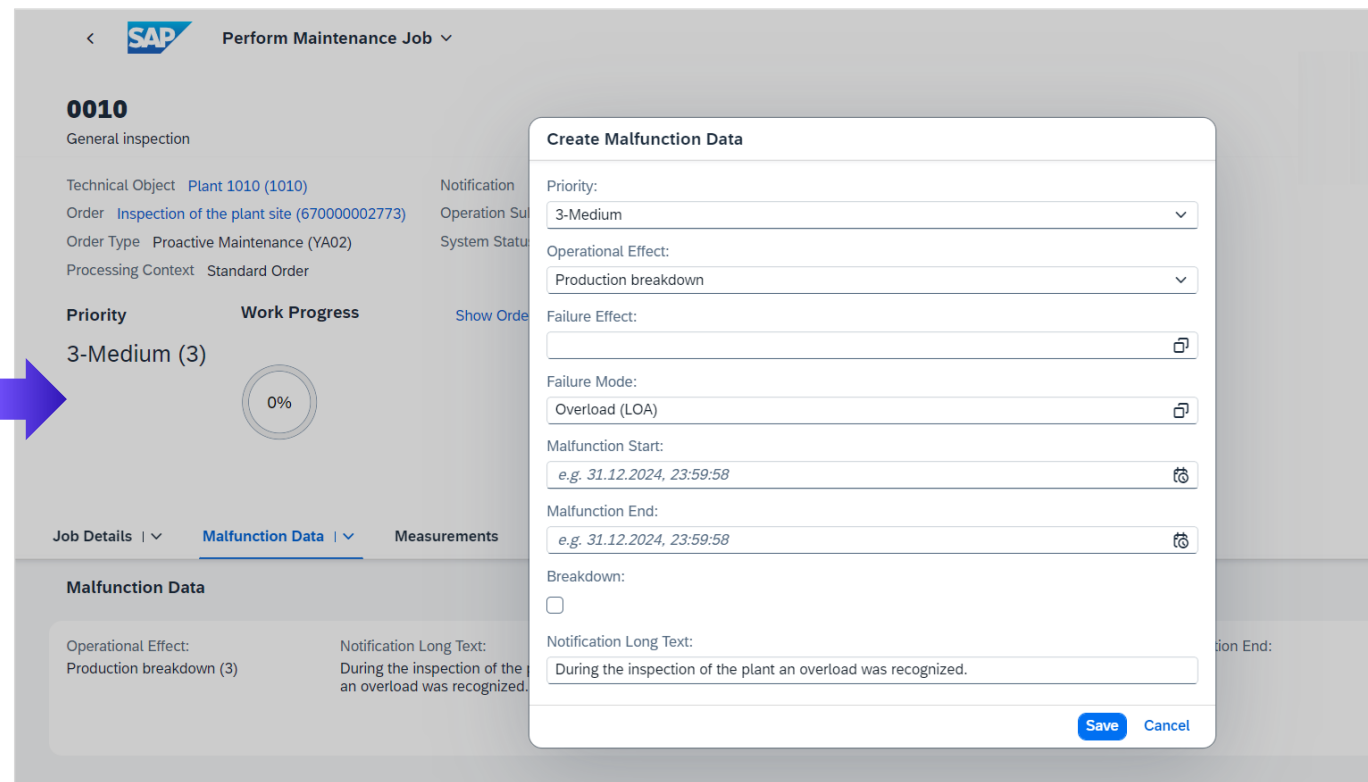
Asset Management: Performance Jobs app

“As-found” data recording when maintenance request is absent



Challenge

When a maintenance order is created for preventive maintenance or for an emergency, a maintenance request (notification) may be missing. However, the request contains the information about the malfunction or situation of equipment “as found”, which is an important operational data that should be fed back into continuous improvement cycle (e.g. for reliability centered maintenance).



Solution

Enable maintenance technicians to record malfunction data if no relevant notification exists for a job. In this case, the system creates a new notification

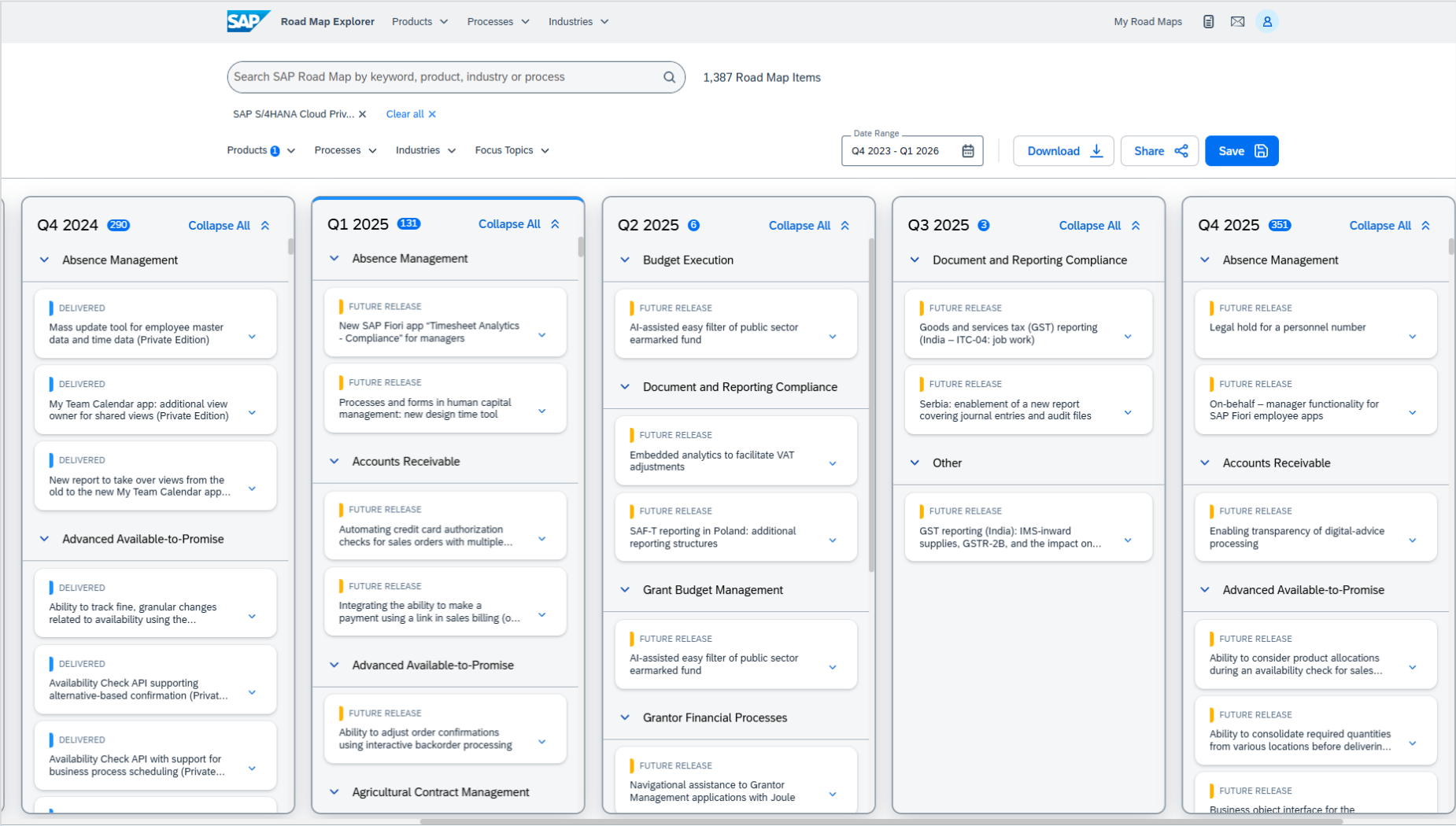
Agenda

SAP S/4HANA Cloud Private Edition – a key component of SAP's strategy


Highlights of innovations for SAP S/4HANA Cloud Private Edition 2023 FPS03

Additional resources

SAP S/4HANA Cloud Private Edition: Road map



SAP S/4HANA Cloud Private Edition ONLY: Road map

 Road Map Explorer

Products Processes Industries

My Road Maps

Search SAP Road Map by keyword, product, industry or process

58 Road Map Items

SAP S/4HANA Cloud Priv... X

Private Cloud Only X

Clear all X

Products 1 Processes Industries Focus Topics 1

Date Range

Q4 2024 - Q1 2026

Download

Share

Save

Q4 2024 1 Expand All

> Commercial Project Management

> Contract Accounting

> Data Quality Assurance for Master Data

> Master Data Management

> Project Financials Control

> Project Logistics Control

> Project Management

> Sales Order Management and Processing

> Taxpayer Behaviours

> Transportation Management

Q1 2025 16 Expand All

> Agricultural Contract Management

> Commercial Project Management

> Commodity Procurement

> Commodity Sales

> Constraint-Based Production Planning

> Contract Accounting

> Data Quality Assurance for Master Data

> Extended Warehouse Management

> Financial Accounting

> In-House Repair

> Maintenance Execution

> Master Data Management

> Project Financials Control

Q2 2025 1 Expand All

> Multichannel Self-Services for Utilities

Q3 2025 0 No Road Map Items planned

Q4 2025 28 Expand All

> Asset Management Resource Planning

> Budget and Financial Closing and Reporting

> Budget Execution

> Budget Maintenance

> Contract and Lease Management

> Corporate Close

> Data Quality Assurance for Master Data

> Extended Warehouse Management

> Financial Reporting

> Grant Budget Management

> Grantor Financial Processes

> Master Data Management

> Portfolio and Location Management

Q1 2026 6 Expand All

> Asset Management Resource Planning

> Contract and Lease Management

> Portfolio and Location Management

> Project Financials Control

> Project Logistics Control

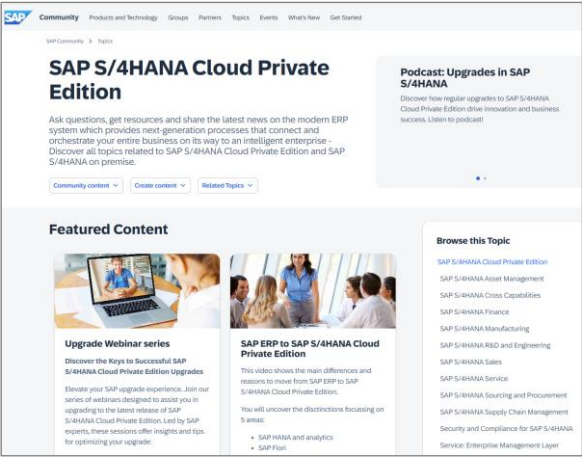
> Purchase Order Processing

> Sales Billing

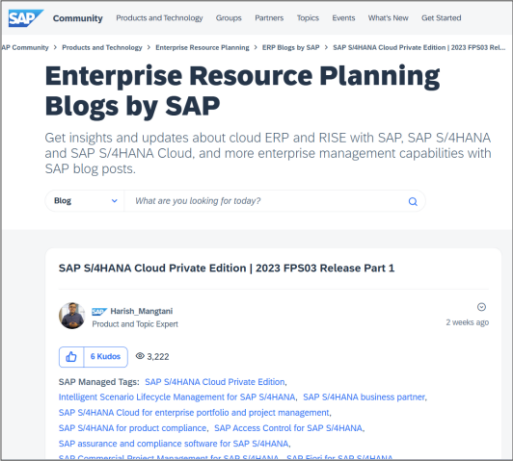
> Sales Order Management and Processing



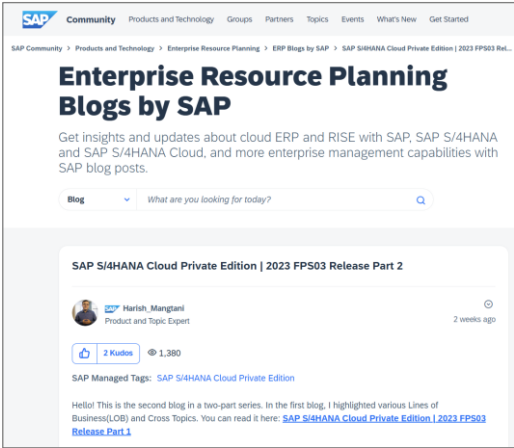
Additional information



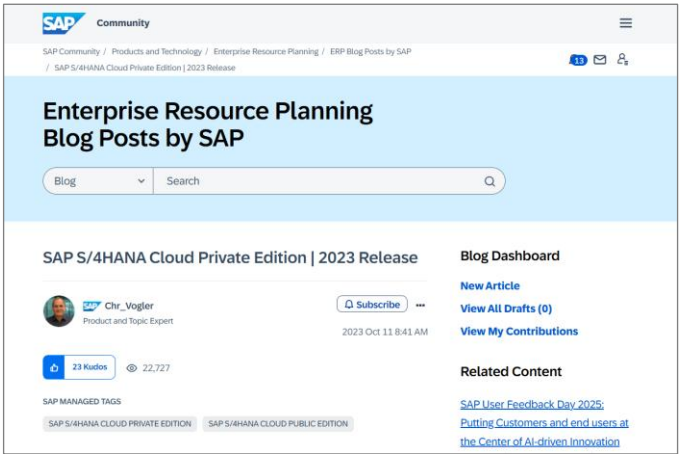
[SAP Community for SAP S/4HANA Cloud Private Edition](#)



[SAP S/4HANA Cloud Private Edition 2023 FPS03 Blog – Part 1](#)



[SAP S/4HANA Cloud Private Edition 2023 FPS03 Blog – Part 2](#)



[SAP S/4HANA Cloud 2023 Collection Blog](#)

Additional information

[Navigational and Transactional capabilities with Joule in SAP S/4HANA Cloud Private Edition](#)



[AI Functionality in SAP S/4HANA Cloud Private Edition](#)



Thank you.

Contact information:

christine.hofmann@sap.com

SAP Maintenance Phases

SAP

Support

My Support

Products

Tools

Maintenance

Offerings & Programs

ALM

Explore SAP

Q

▼ / Maintenance Information / Maintenance Strategy

SAP Maintenance Phases

Overview

Help

SAP Maintenance Phases

There are four distinct maintenance phases defined under the SAP Maintenance Strategy:

> Mainstream Maintenance

> Extended Maintenance

> Customer-Specific Maintenance

> Priority-One Support

Help & Resources

Support

[SAP Enterprise Support](#)

[SAP Standard Support](#)

Strategy

[SAP Release Strategy \(PDF\)](#)

[Customer-Specific Maintenance \(PDF\)](#)

[SAP Business Suite 7 Maintenance Strategy \(PDF\)](#)

[SAP S/4HANA Maintenance Strategy \(PDF\)](#)

[SAP S/4HANA Compatibility Scope and Roadmaps \(PDF\)](#)

[SAP S/4HANA Cloud Safekeeper](#)

Resources

[SAP Note 3246630](#): Extended maintenance for SAP S/4HANA 1709, SAP S/4HANA 1809, and SAP S/4HANA 1909

[SAP Note 2881788](#): End of SAP Business Suite 7 mainstream maintenance

[SAP Note 1648480](#): Maintenance for SAP Business Suite 7 Software including SAP Netweaver

[SAP Note 52505](#): Support after end of mainstream maintenance or extended maintenance

[SAP Note 67739](#): Priority of problem cases

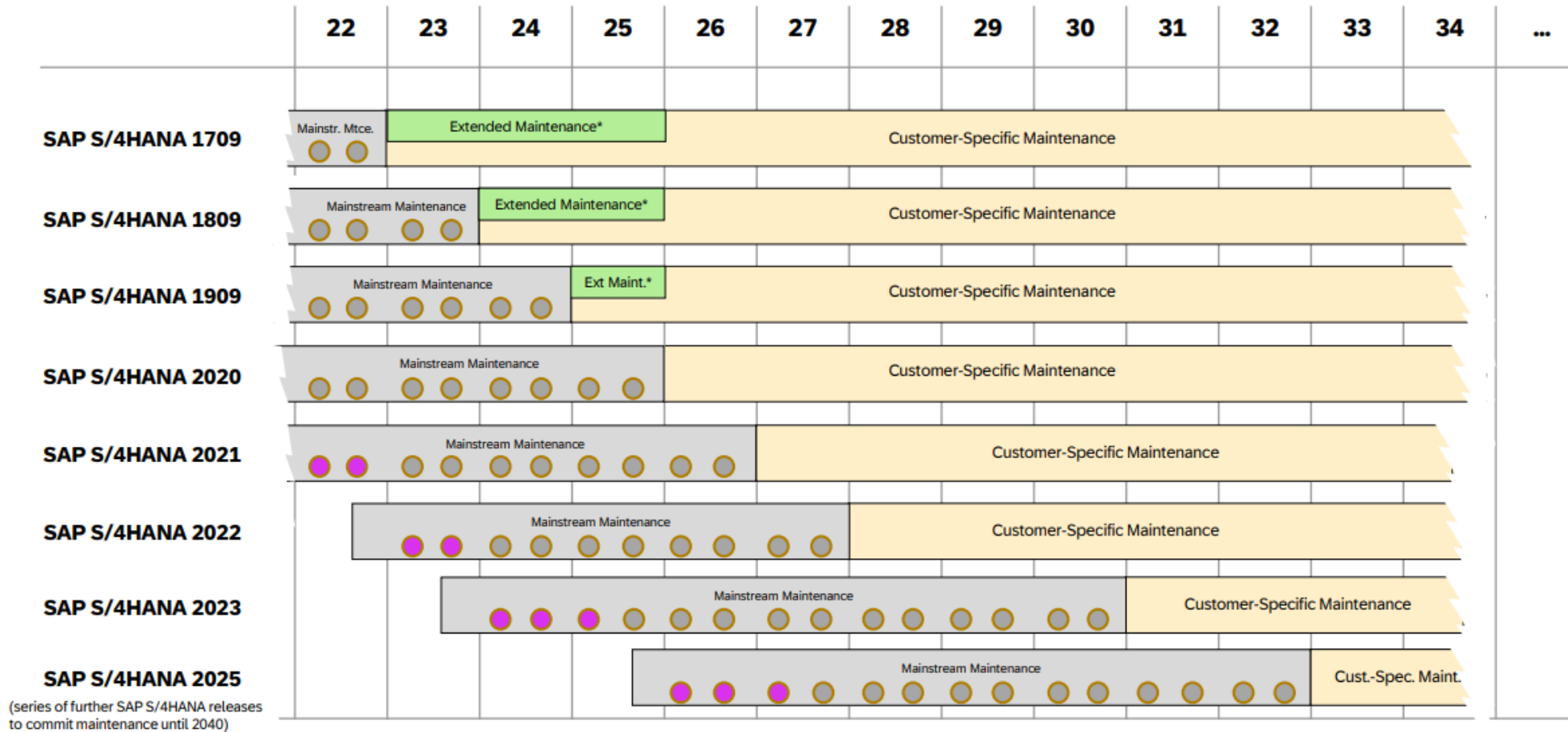
[SAP Note 3016524](#): RISE with SAP S/4HANA, private cloud edition release and maintenance strategy

[SAP Note 3016445](#): SAP ERP, private cloud edition release and maintenance strategy

Contact Us

SAP S/4HANA Maintenance Strategy

SAP S/4HANA Release and Maintenance Strategy for On-Premise and Private Cloud



- Feature Package Stacks
- Support Package Stacks

Delivery dates for Feature and Support Packages are published on Product and Availability Matrix.

* optional for on-premise, included in subscriptions