



# SAP Micro-App Hub

INTERNAL – SAP and Customers Only

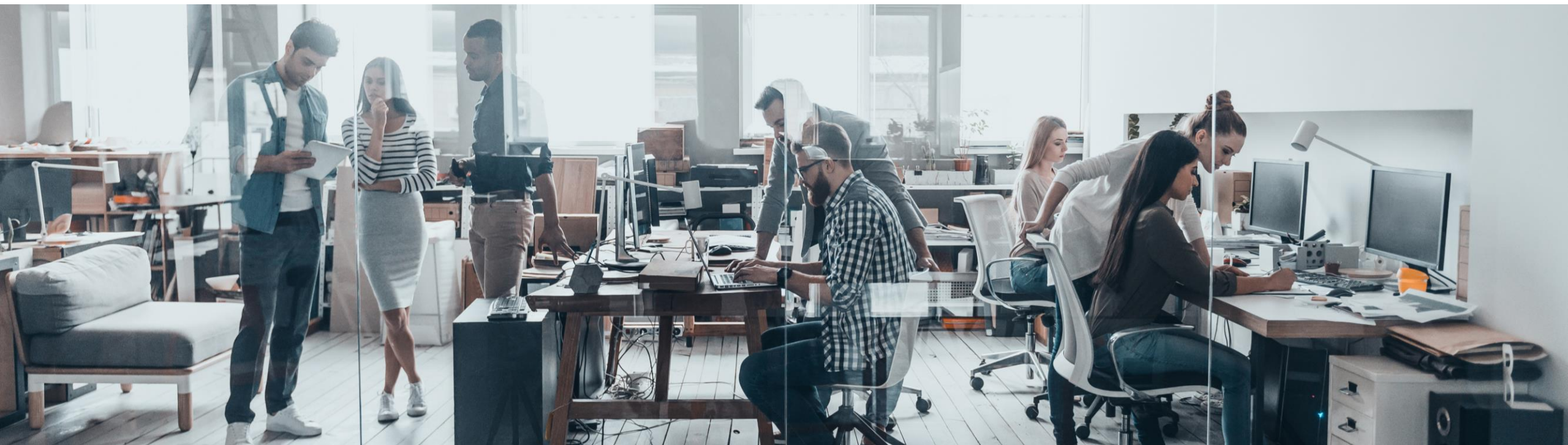
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# Solution Overview



# Today's Challenges Extending Solutions



**Time:** Developing custom solutions adds time to implementation projects and delays customers being able to leverage the new solution.



**Cost:** Costly highly skilled resources are needed to implement solution and attention is taken away from other key business opportunities.



**Skills:** Resources require knowledge on many areas to implement the most secure and efficient extensions.

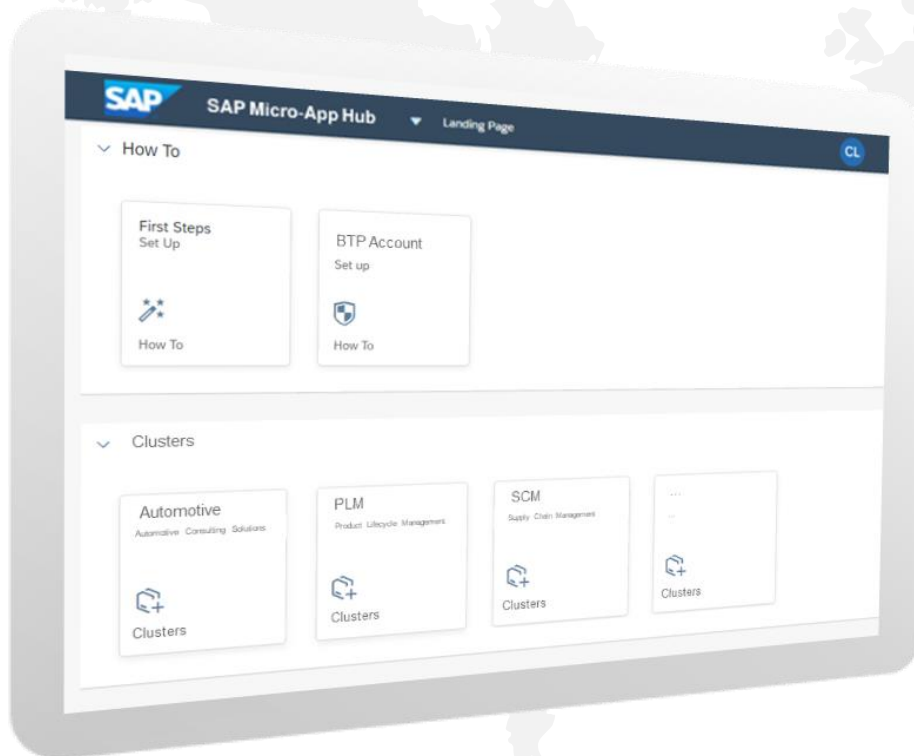


**Maintenance:** Solutions require maintenance to ensure all components are up to date and bug free.



**Security:** Cloud development introduces potential for more security vulnerabilities.

# What is the SAP Micro-App Hub?



The SAP Micro-App Hub will provide a collection of micro-apps to address key gaps in core SAP solutions as part of a standard SaaS offering from SAP.

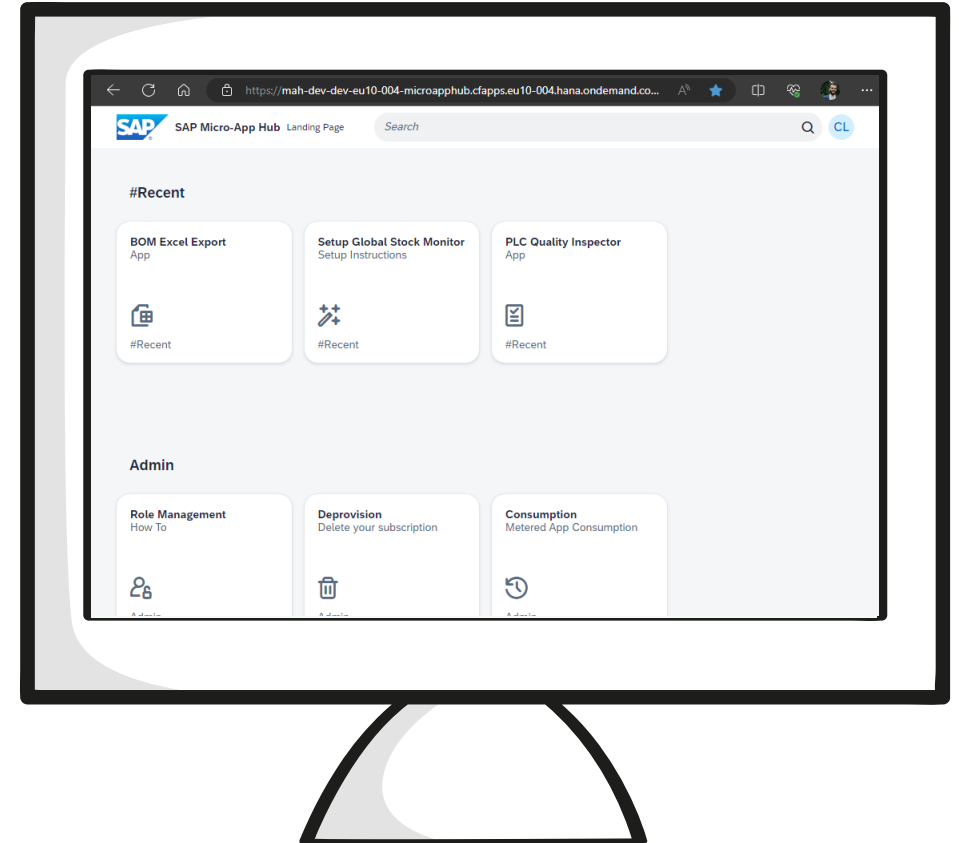


# Key Capabilities

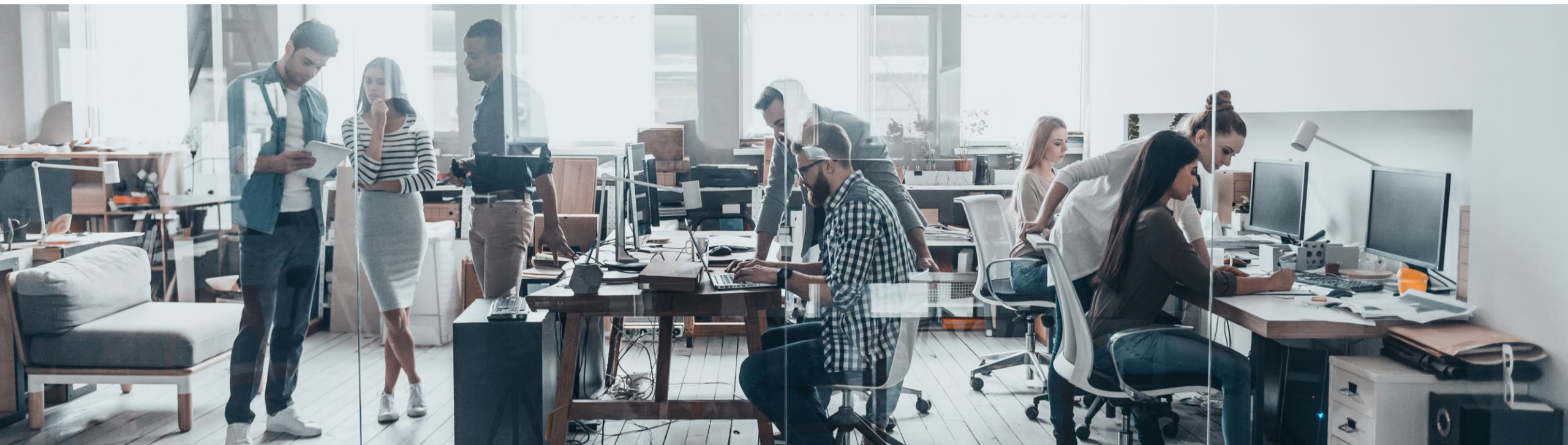
The SAP Micro-App Hub provides a repository of solutions to extend core SAP applications.

## Features:

- Fast and easy self-service activation
- Little or no deployment activities
- Immediate access to new apps as soon as they are released
- Only charged based on usage of individual solutions
- Support and Maintenance provided
- Same level of quality as all of SAP products

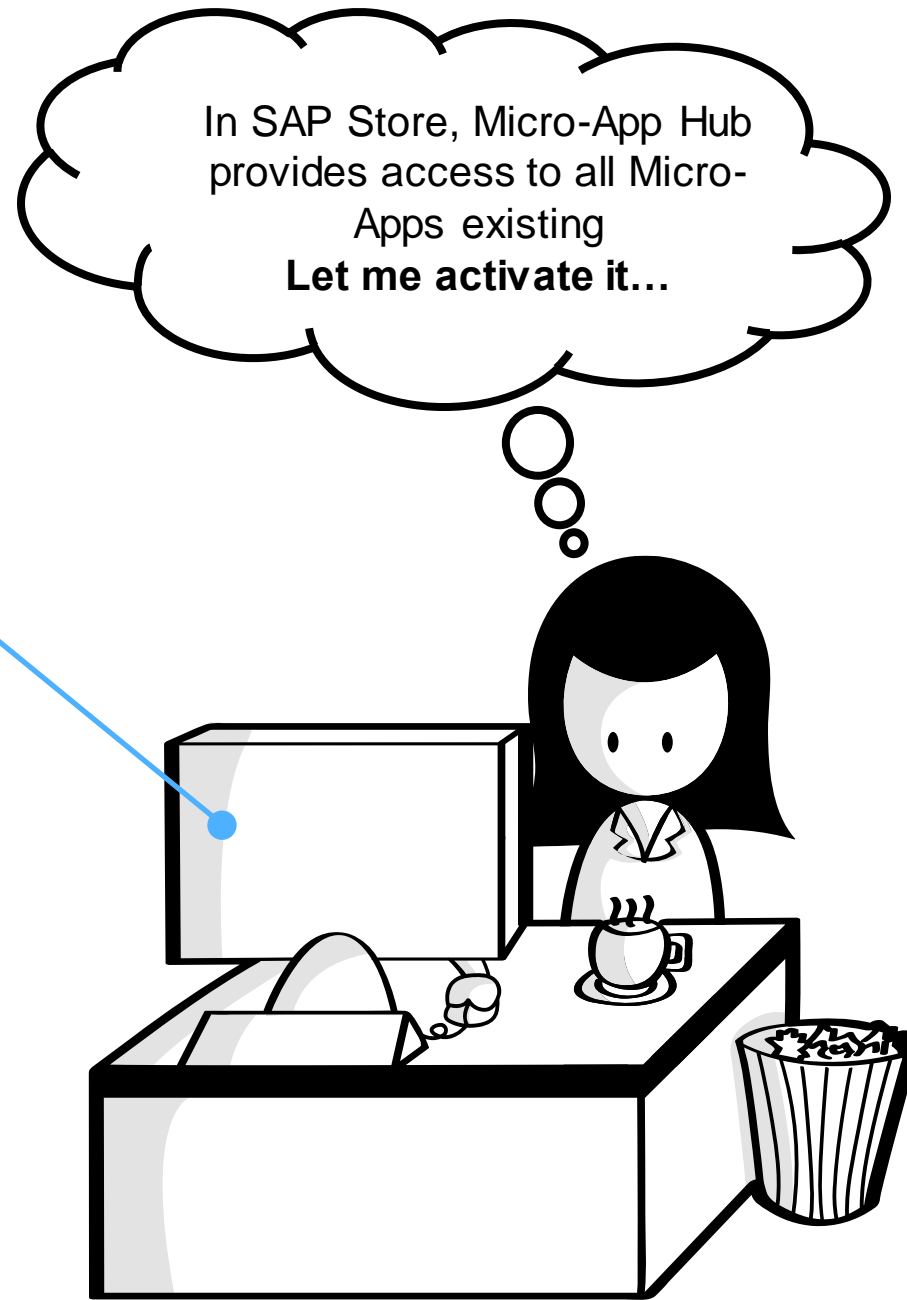
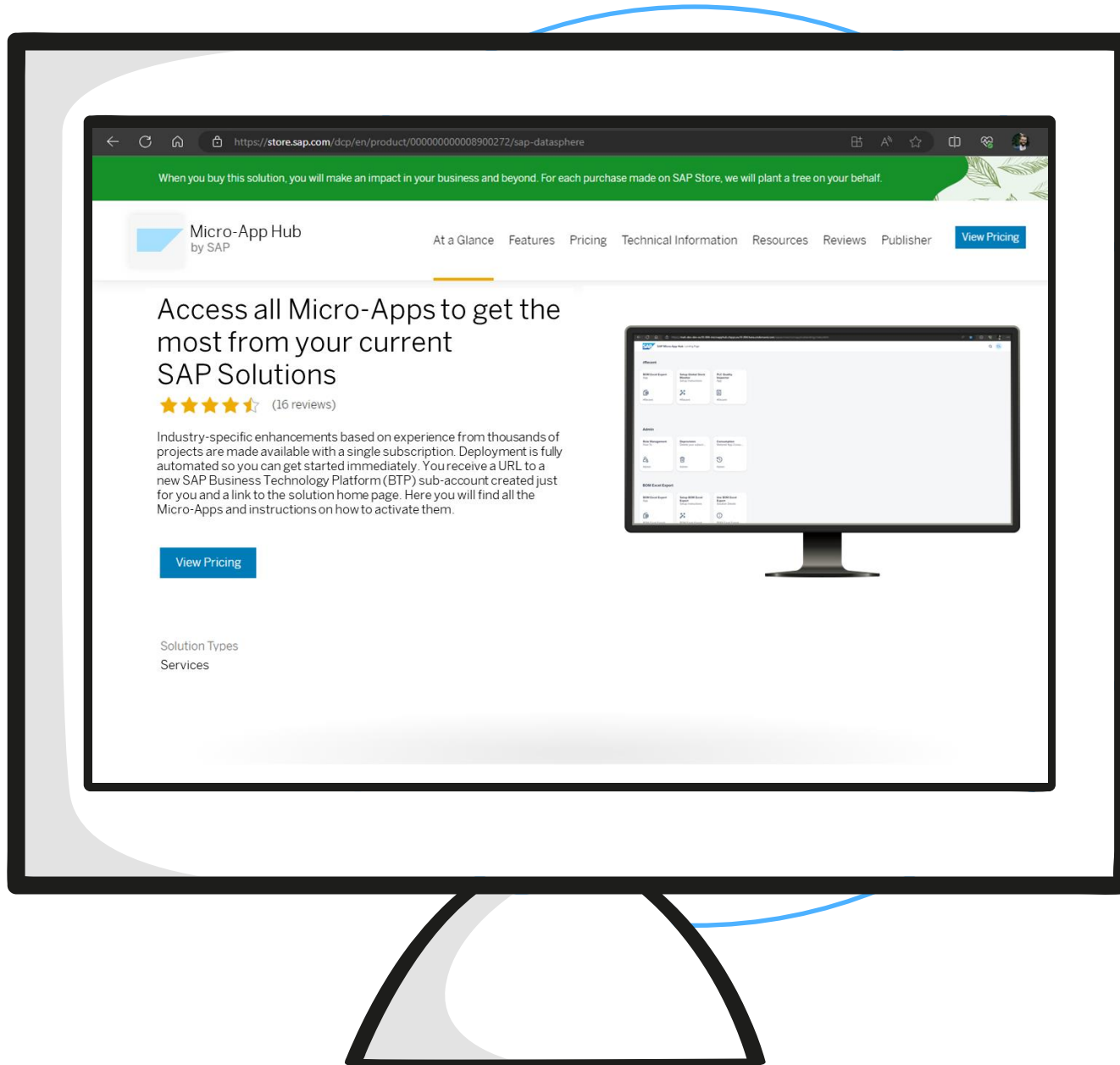


# Walk Through

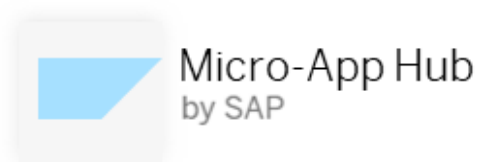








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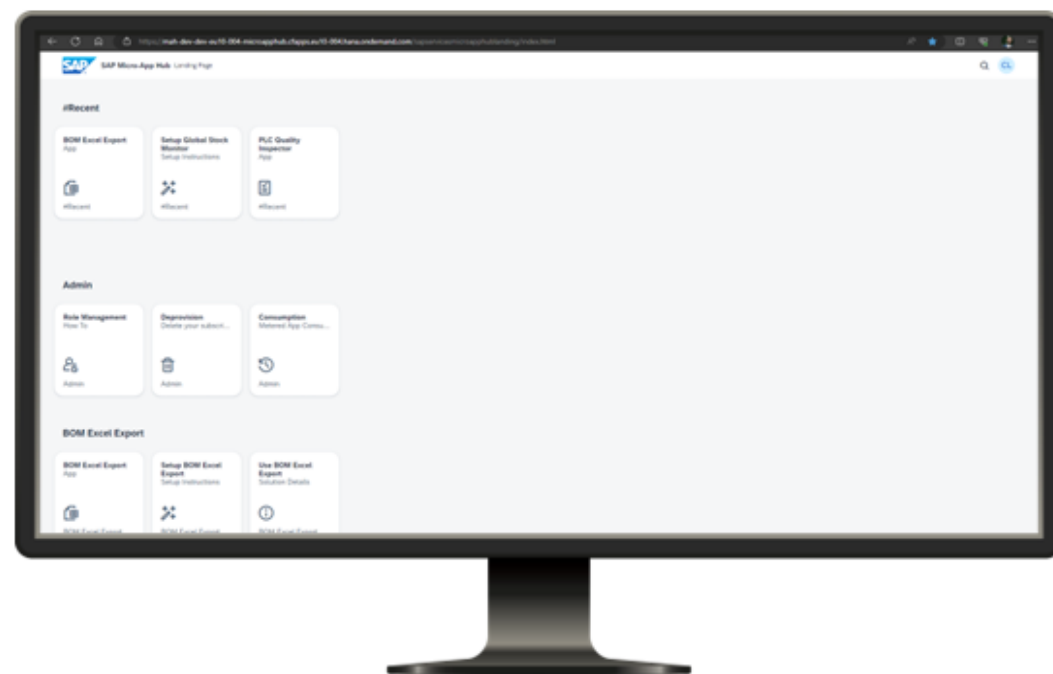
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# Access all Micro-Apps to get the most from your current SAP Solutions

★★★★☆ (16 reviews)

Industry-specific enhancements based on experience from thousands of projects are made available with a single subscription. Deployment is fully automated so you can get started immediately. You receive a URL to a new SAP Business Technology Platform (BTP) sub-account created just for you and a link to the solution home page. Here you will find all the Micro-Apps and instructions on how to activate them.

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Solution Types  
Services

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Micro-App Hub  
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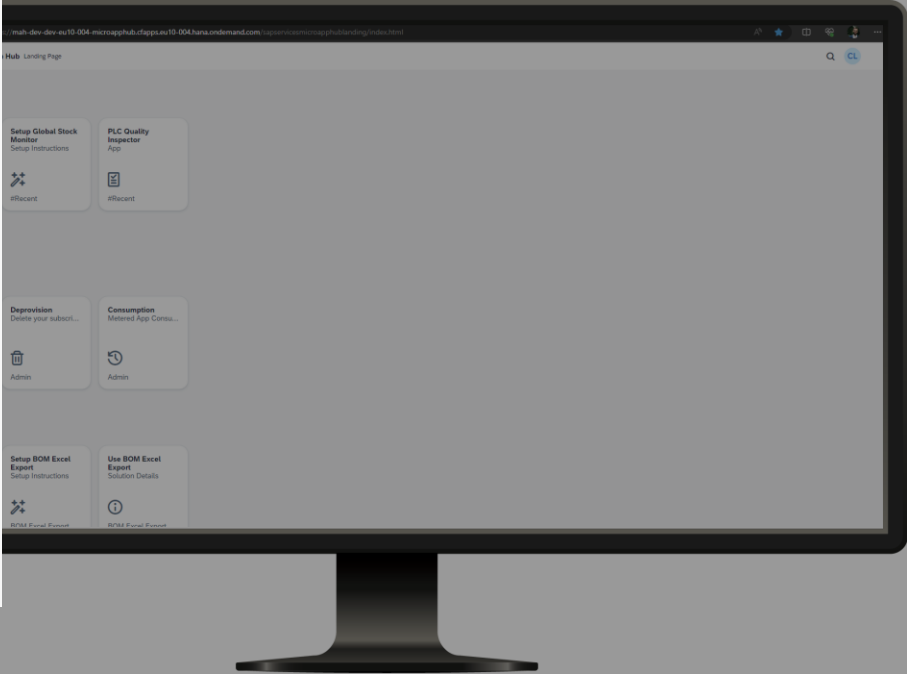
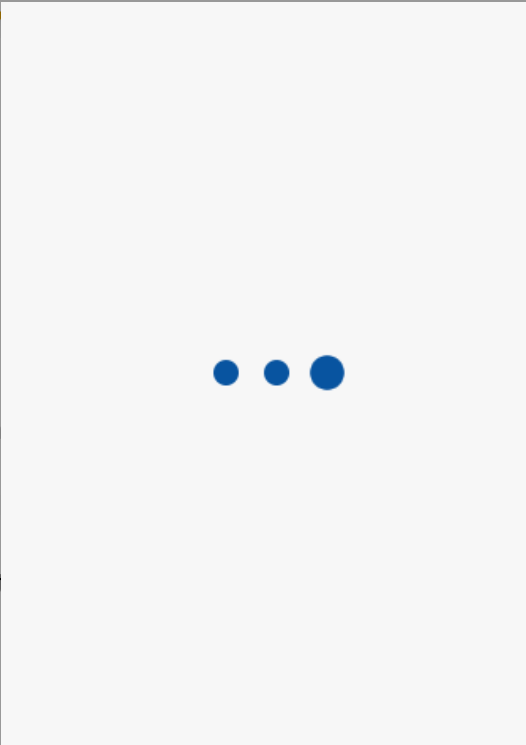
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## Your Subscription



### SAP Micro-App Hub

Extension-as-a-Service for various SAP solutions allows you to pick from hundreds of micro-apps...

#### Application

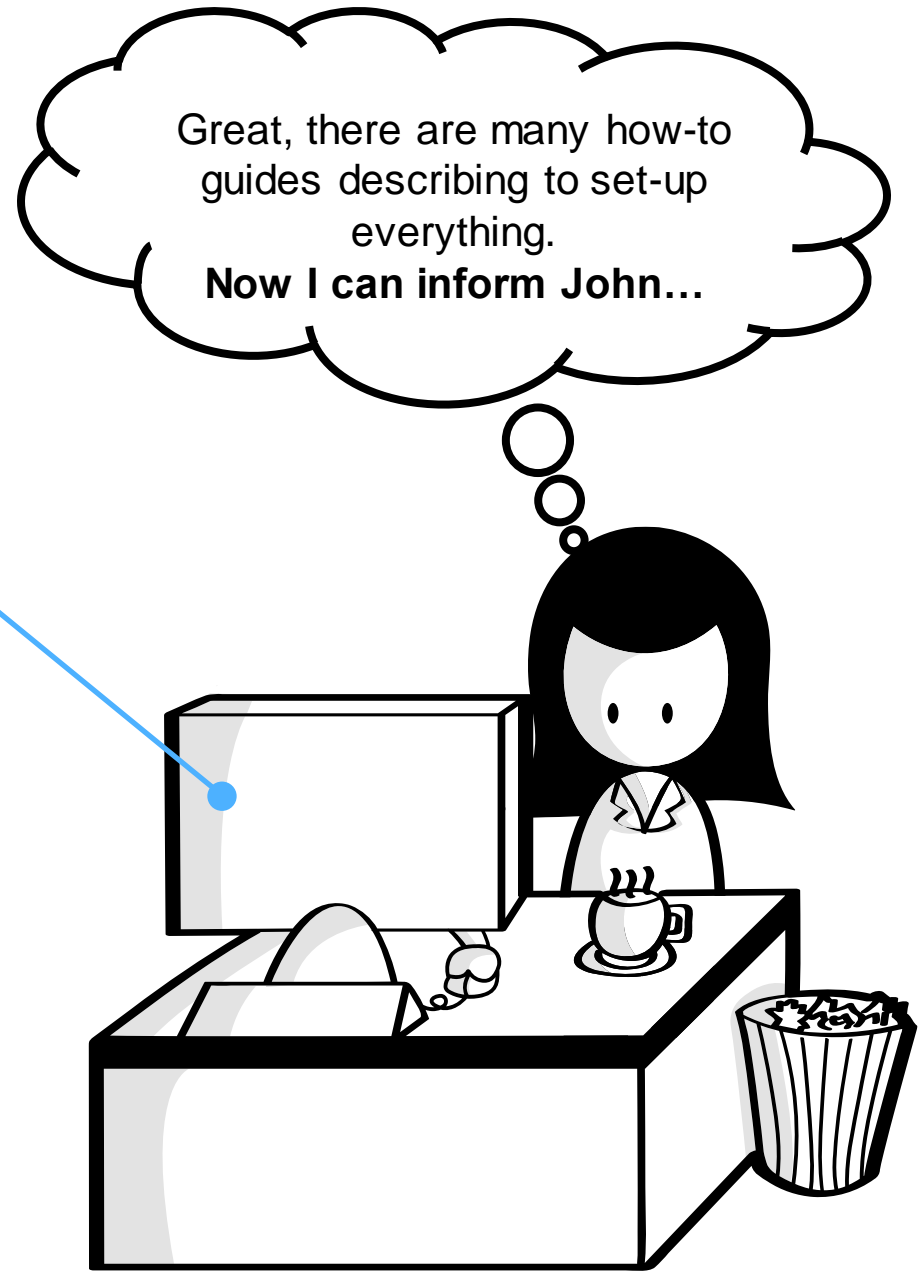
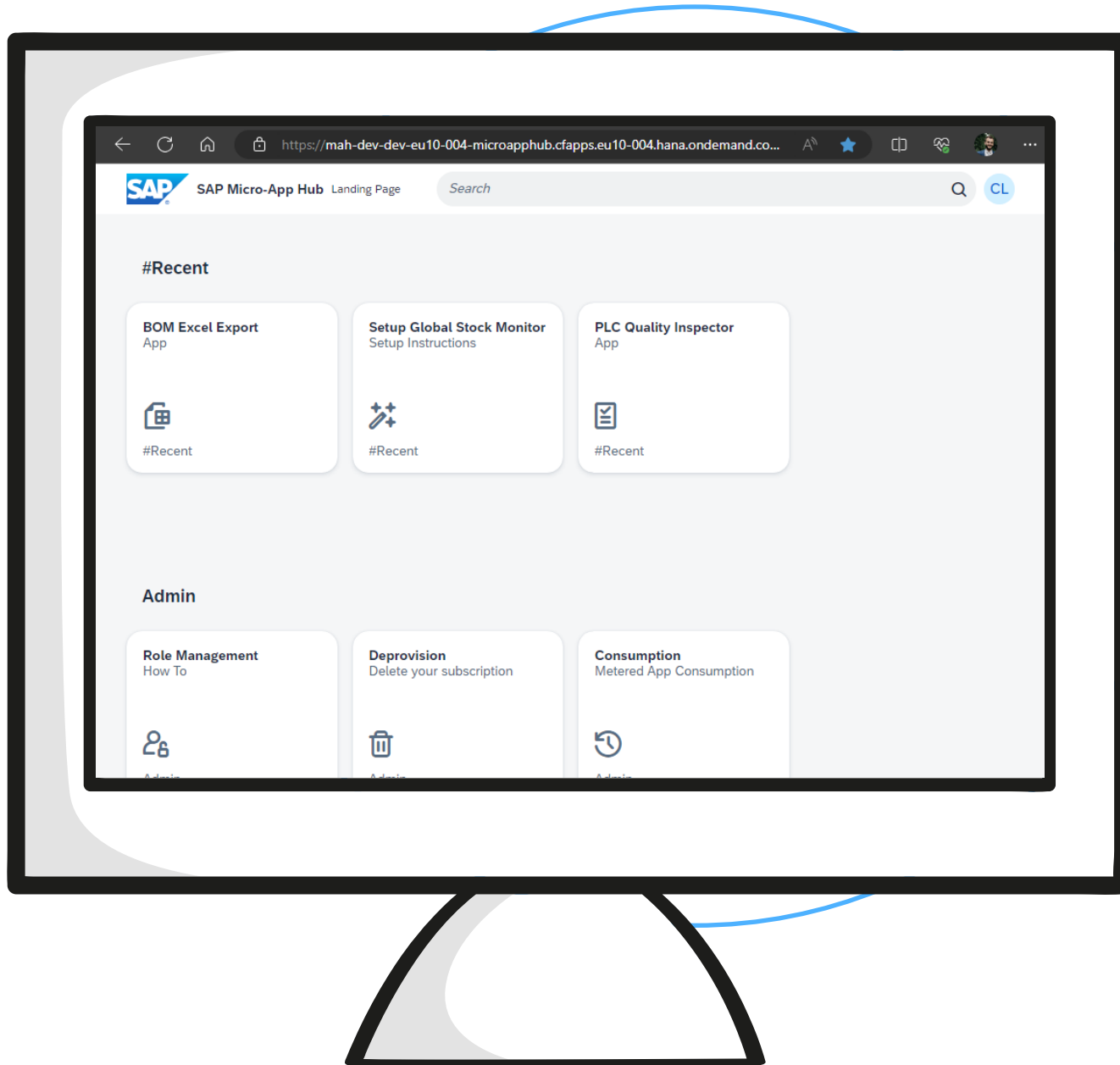
Within your application, you will find all Micro-Apps available, documentation and app configuration options.

#### Configuration

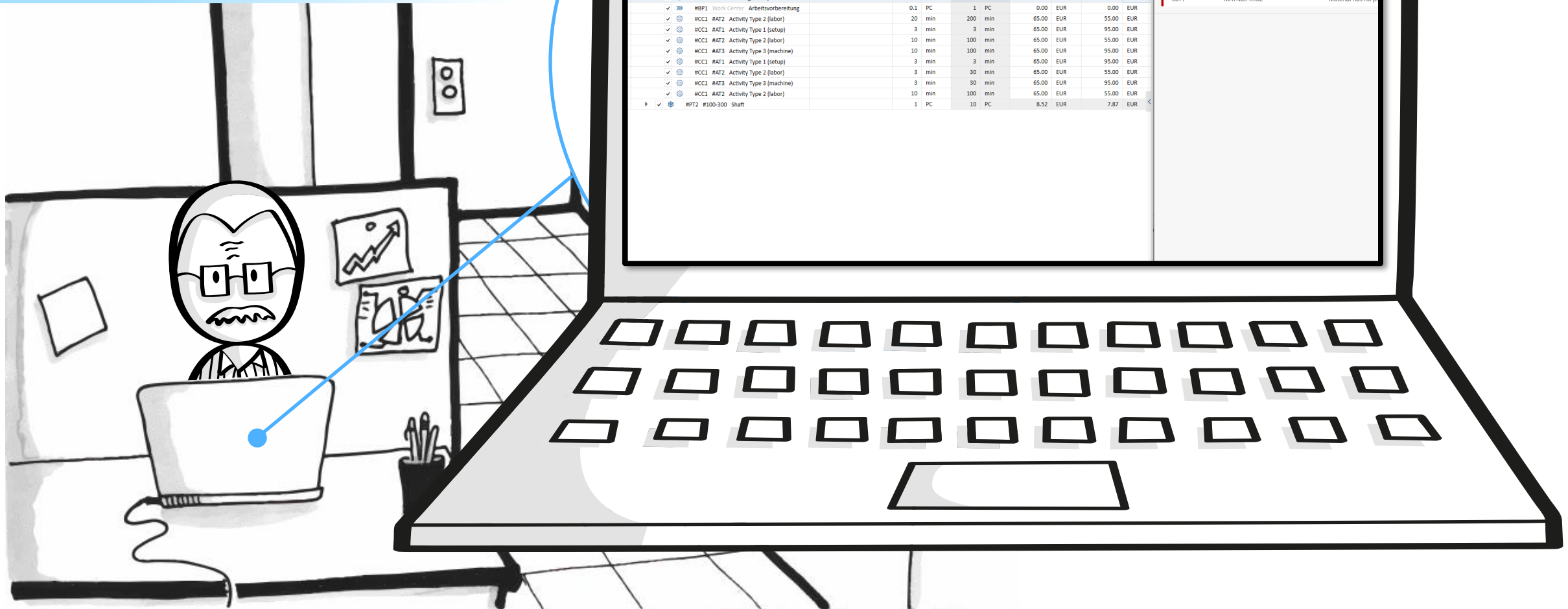
A new BTP Subaccount was created for you. User management and integration needs to be set-up here.

Close

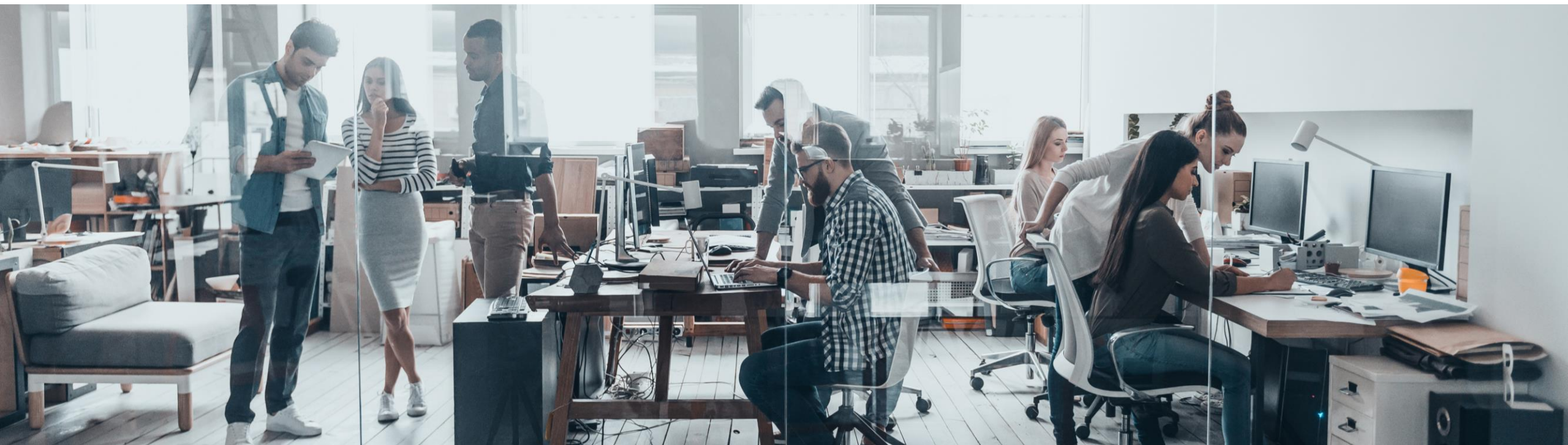




Automated calculation quality checks  
with SAP Services Micro-App  
**Quality Inspector** for  
SAP Product Lifecycle Costing



# Micro-Apps



# SAP Micro-App Hub

## MICRO-APPS

### PLC QUALITY INSPECTOR

The screenshot shows the SAP Quality Inspector interface. The main table lists materials with columns for Material, Plant, BOM Usage, Alternative BOM, BOM Version, and Change Number. The table is filtered for Material ID '4100-200' and Plant '0001'. The table shows 10 rows of data, including materials like '4100-200', '4100-200-01', '4100-200-02', '4100-200-03', '4100-200-04', '4100-200-05', '4100-200-06', '4100-200-07', '4100-200-08', and '4100-200-09'. The right sidebar shows a 'Messages' panel with a warning message: 'Material has no price'.

Material	Plant	BOM Usage	Alternative BOM	BOM Version	Change Number
4100-200	0001	Production (1)	1	1	1
4100-200-01	0001	Production (1)	1	1	1
4100-200-02	0001	Production (1)	1	1	1
4100-200-03	0001	Production (1)	1	1	1
4100-200-04	0001	Production (1)	1	1	1
4100-200-05	0001	Production (1)	1	1	1
4100-200-06	0001	Production (1)	1	1	1
4100-200-07	0001	Production (1)	1	1	1
4100-200-08	0001	Production (1)	1	1	1
4100-200-09	0001	Production (1)	1	1	1

### BOM EXCEL EXPORT

The screenshot shows the SAP BOM Excel Export interface. The main table lists materials with columns for Material, Product Description, Plant, BOM Usage, Alternative BOM, BOM Version Status, and Change Number. The table is filtered for Material ID '4100-200' and Plant '0001'. The table shows 10 rows of data, including materials like '4100-200', '4100-200-01', '4100-200-02', '4100-200-03', '4100-200-04', '4100-200-05', '4100-200-06', '4100-200-07', '4100-200-08', and '4100-200-09'. The right sidebar shows a 'Messages' panel with a warning message: 'Material has no price'.

Material	Product Description	Plant	BOM Usage	Alternative BOM	BOM Version Status	Change Number
4100-200	SEM22,PD,Phantom	Plant 1 US (L710)	Production (1)	1	1	1
4100-200-01	FIN126,MTS-DI,PD,Batch-File,SerialNo	Plant 1 US (L710)	Production (1)	1	1	1
4100-200-02	FIN126,MTS-DI,PD,Batch-File,SerialNo	Plant 1 US (L710)	Production (1)	99	1	1
4100-200-03	SEM124,PD,Subassembly	Plant 1 US (L710)	Production (1)	1	1	1
4100-200-04	FIN29,MTS-PI,PD,Batch-ExpirationDate	Plant 1 US (L710)	Production (1)	1	1	1
4100-200-05	SEM24,PD,Batch-File	Plant 1 US (L710)	Production (1)	1	1	1
4100-200-06	FIN226,MTO,PD,Batch-File,SerialNo	Plant 1 US (L710)	Production (1)	1	1	1
4100-200-07	SEM224,MTO,PD,Subassembly	Plant 1 US (L710)	Production (1)	1	1	1
4100-200-08	SEM21,PD,RepetitiveManufacturing	Plant 1 US (L710)	Production (1)	1	1	1
4100-200-09	SEM23,PD,Subcontracting	Plant 1 US (L710)	Production (1)	1	1	1

### GLOBAL STOCK INVENTORY

The screenshot shows the SAP Cross System Material Stock Monitor interface. The main table lists materials with columns for Material ID, Plant, Storage Location, Batch, Supplier, SD Document, SD Document Item, Special Stock Type, Stock Type, Base Unit, and Quantity. The table is filtered for Material ID '4100-200' and Plant '0001'. The table shows 10 rows of data, including materials like '4100-200', '4100-200-01', '4100-200-02', '4100-200-03', '4100-200-04', '4100-200-05', '4100-200-06', '4100-200-07', '4100-200-08', and '4100-200-09'. The right sidebar shows a 'Messages' panel with a warning message: 'Material has no price'.

Material ID	Plant	Storage Location	Batch	Supplier	SD Document	SD Document Item	Special Stock Type	Stock Type	Base Unit	Quantity
4100-200	0001	0001				0	Unknown	Unrestricted-Use Stock	EA	22
4100-200-01	0001	0001				0	Unknown	Stock in Quality Inspection	EA	0
4100-200-02	0001	0001				0	Unknown	Blocked Stock	EA	0
4100-200-03	0001	0001		STANDARD		0	Subcontracting Stock	Unrestricted-Use Stock	KG	889.000
4100-200-04	0001	0001				0	Unknown	Unrestricted-Use Stock	KG	2.000
4100-200-05	0001	0001				0	Unknown	Unrestricted-Use Stock	PC	1256
4100-200-06	0001	0001				0	Unknown	not stock relevant	EA	0
4100-200-07	0001	0001				0	Unknown	Unrestricted-Use Stock	EA	00
4100-200-08	0001	0001				0	Unknown	Unrestricted-Use Stock	EA	00
4100-200-09	0001	0001				0	Unknown	Unrestricted-Use Stock	EA	00



# SAP Micro-App Hub

## PLC QUALITY INSPECTOR

The screenshot shows the SAP Product Lifecycle Costing (PLC) interface on the left and the Quality Inspector on the right. The PLC interface displays a table of cost calculation elements for a pump assembly. The Quality Inspector shows a 'Version Check Result List' with one error message.

Filter	Comments	Quantity	UoM	Total Qua...	UoM	Price (Fixed)	Trans-acti...	Price (Vari-able)	Trans-acti...
#SAP Example: Pump P-500 (1011) #Version 1 #...		10	PC	10	PC	302.00	EUR	392.79	EUR
✓ #CC1 #AT2 Activity Type 2 (labor)		10	min	100	min	65.00	EUR	55.00	EUR
✓ #BP2 #WCEN111 Kundenauftragsbearbeit...		1	PC	1	PC	0.00	EUR	0.00	EUR
✓ #PT1 #100-100 Casing		1	PC	10	PC	163.91	EUR	266.22	EUR
✓ #PT1 #100-200 Drive		1	PC	10	PC	107.90	EUR	100.37	EUR
✓ #PT1 #100-210 Slug for impeller	Price is set to zero -> Error	1	PC	10	PC	0.00	EUR	0.00	EUR
✓ #BP1 Work Center Arbeitsvorbereitung		0.1	PC	1	PC	0.00	EUR	0.00	EUR
✓ #CC1 #AT2 Activity Type 2 (labor)		20	min	200	min	65.00	EUR	55.00	EUR
✓ #CC1 #AT1 Activity Type 1 (setup)		3	min	3	min	65.00	EUR	95.00	EUR
✓ #CC1 #AT2 Activity Type 2 (labor)		10	min	100	min	65.00	EUR	55.00	EUR
✓ #CC1 #AT3 Activity Type 3 (machine)		10	min	100	min	65.00	EUR	95.00	EUR
✓ #CC1 #AT1 Activity Type 1 (setup)		3	min	3	min	65.00	EUR	95.00	EUR
✓ #CC1 #AT2 Activity Type 2 (labor)		3	min	30	min	65.00	EUR	55.00	EUR
✓ #CC1 #AT3 Activity Type 3 (machine)		3	min	30	min	65.00	EUR	95.00	EUR
✓ #CC1 #AT2 Activity Type 2 (labor)		10	min	100	min	65.00	EUR	55.00	EUR
✓ #PT2 #100-300 Shaft		1	PC	10	PC	8.52	EUR	7.87	EUR

**Quality Inspector: Version Check Result List**

1 Messages: 1 Error, 0 Warning, 0 Information

Item	Message	Description
5077	MATNOPRICE	Material has no p...

## Overview

The PLC Quality Checker provides users with the ability to perform quality checks on cost calculations using customizable rules.

## Benefits

- Individual rule-based checks of the calculation
- Less calculation errors and therefore more accurate results
- You can define your own quality check rules
- Rules are defined programmatically (complex logic is possible)
- Access to all elements of a calculation row

# SAP Micro-App Hub

## BOM EXCEL EXPORT

BOM Excel Export

dev-eu10-dev-eu10-valuecloud.cfapps.eu10.hana.ondemand.com/sapservicesvaluecloudbomexport/index.html

Material: Plant: BOM Usage: Alternative BOM: BOM Version:

Versioning Relevant: BOM Version Status: Go Adapt Filters

Bills of Material

Material	Product Description	Plant	BOM Usage	Alternative BOM	BOM Version Status	Change Number
<input type="radio"/> SG22	SEMI22,PD,Phantom	Plant 1 US (1710)	Production (1)	1		
<input type="radio"/> FG126	FIN126,MTS-DI,PD,Batch-Fifo,SerialNo	Plant 1 US (1710)	Production (1)	1		
<input type="radio"/> FG126	FIN126,MTS-DI,PD,Batch-Fifo,SerialNo	Plant 1 US (1710)	Production (1)	99		
<input type="radio"/> SG124	SEMI124,PD,Subassembly	Plant 1 US (1710)	Production (1)	1		
<input type="radio"/> FG29	FIN29,MTS-PI,PD,Batch-ExpirationDate	Plant 1 US (1710)	Production (1)	1		
<input type="radio"/> SG24	SEMI24,PD,Batch-Fifo	Plant 1 US (1710)	Production (1)	1		
<input type="radio"/> FG226	FIN226,MTO,PD,Batch-Fifo,SerialNo	Plant 1 US (1710)	Production (1)	1		
<input type="radio"/> SG224	SEMI224,MTO,PD,Subassembly	Plant 1 US (1710)	Production (1)	1		
<input type="radio"/> SG21	SEMI21,PD,RepetitiveManuf.	Plant 1 US (1710)	Production (1)	1		
<input type="radio"/> SG23	SEMI23,PD,Subcontracting	Plant 1 US (1710)	Production (1)	1		
<input type="radio"/> SG29	SEM29,PD,QM	Plant 1 US (1710)	Production (1)	1		
<input type="radio"/> FG129	FIN129,MTS-DI,PD,QM	Plant 1 US (1710)	Production (1)	1		
<input type="radio"/> FG233	FERT 233, PD, Repetitive Manuf.	Plant 1 US (1710)	Production (1)	1		

## Overview

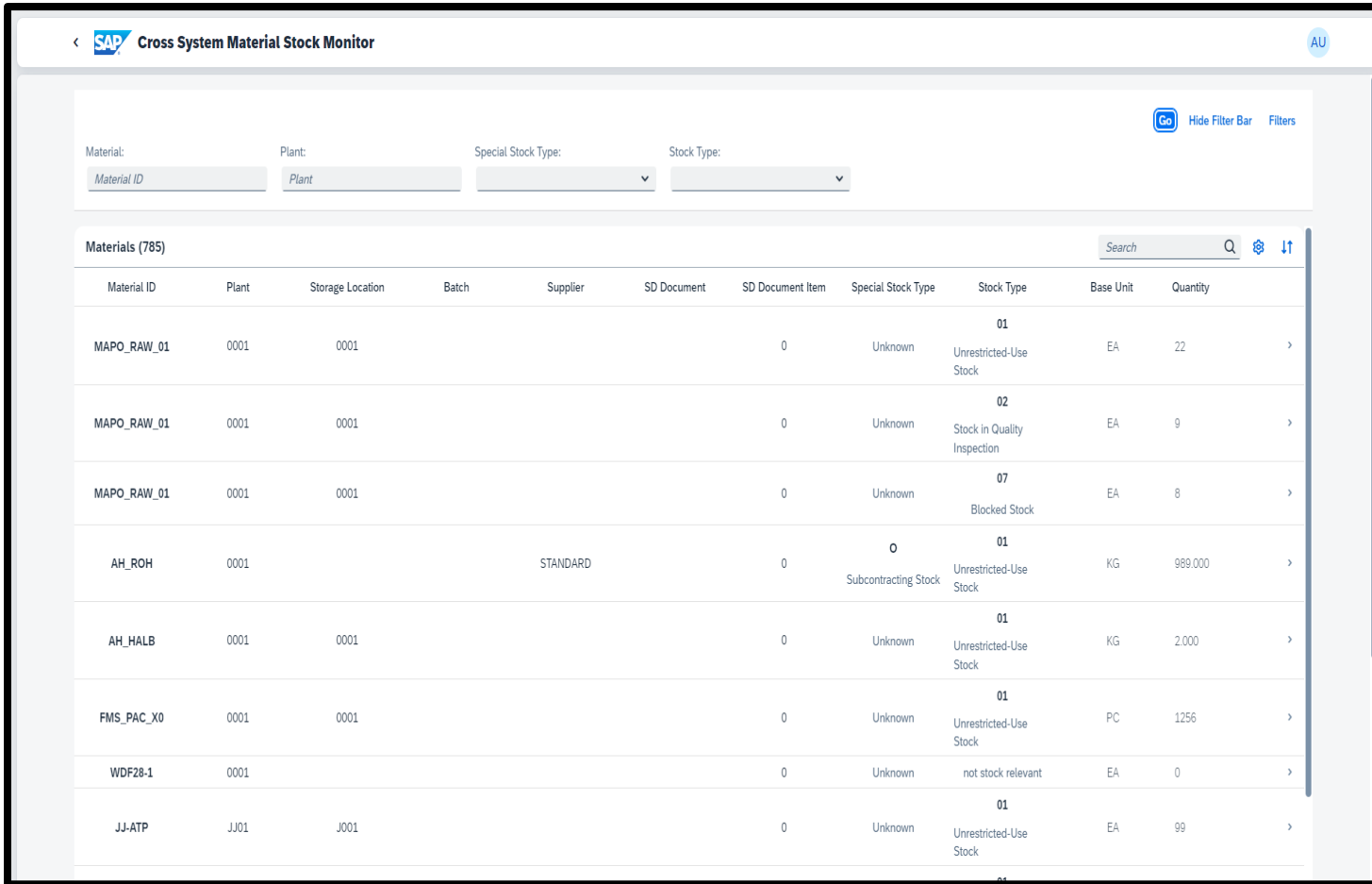
You can use this micro-app to export a bill of materials (BOM) to Microsoft Excel.

## Benefits

- Access exploded BOM data from S/4
- Quickly export exploded BOM into formatted Excel for easier readability

# SAP Micro-App Hub

## GLOBAL STOCK INVENTORY



**SAP Cross System Material Stock Monitor**

Material:  Plant:  Special Stock Type:  Stock Type:

Materials (785)

Material ID	Plant	Storage Location	Batch	Supplier	SD Document	SD Document Item	Special Stock Type	Stock Type	Base Unit	Quantity
MAPO_RAW_01	0001	0001				0	Unknown	01 Unrestricted-Use Stock	EA	22
MAPO_RAW_01	0001	0001				0	Unknown	02 Stock in Quality Inspection	EA	9
MAPO_RAW_01	0001	0001				0	Unknown	07 Blocked Stock	EA	8
AH_ROH	0001			STANDARD		0	0 Subcontracting Stock	01 Unrestricted-Use Stock	KG	989.000
AH_HALB	0001	0001				0	Unknown	01 Unrestricted-Use Stock	KG	2.000
FMS_PAC_X0	0001	0001				0	Unknown	01 Unrestricted-Use Stock	PC	1256
WDF28-1	0001					0	Unknown	not stock relevant	EA	0
JJ-ATP	JJ01	JJ01				0	Unknown	01 Unrestricted-Use Stock	EA	99

## Overview

The global stock monitor apps allows users to report on material stock inventory across multiple S/4 systems.

## Benefits

- See stock inventory across multiple logistics system
- Search and report on material stock
- Material details allows quickly seeing quantity per stock type across plants