



Q1 Edition 2025

# What's New in SAP Datasphere



# Agenda

**01** General Product Updates

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**02** Updates in Data Integration

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**03** Updates in Data Modeling

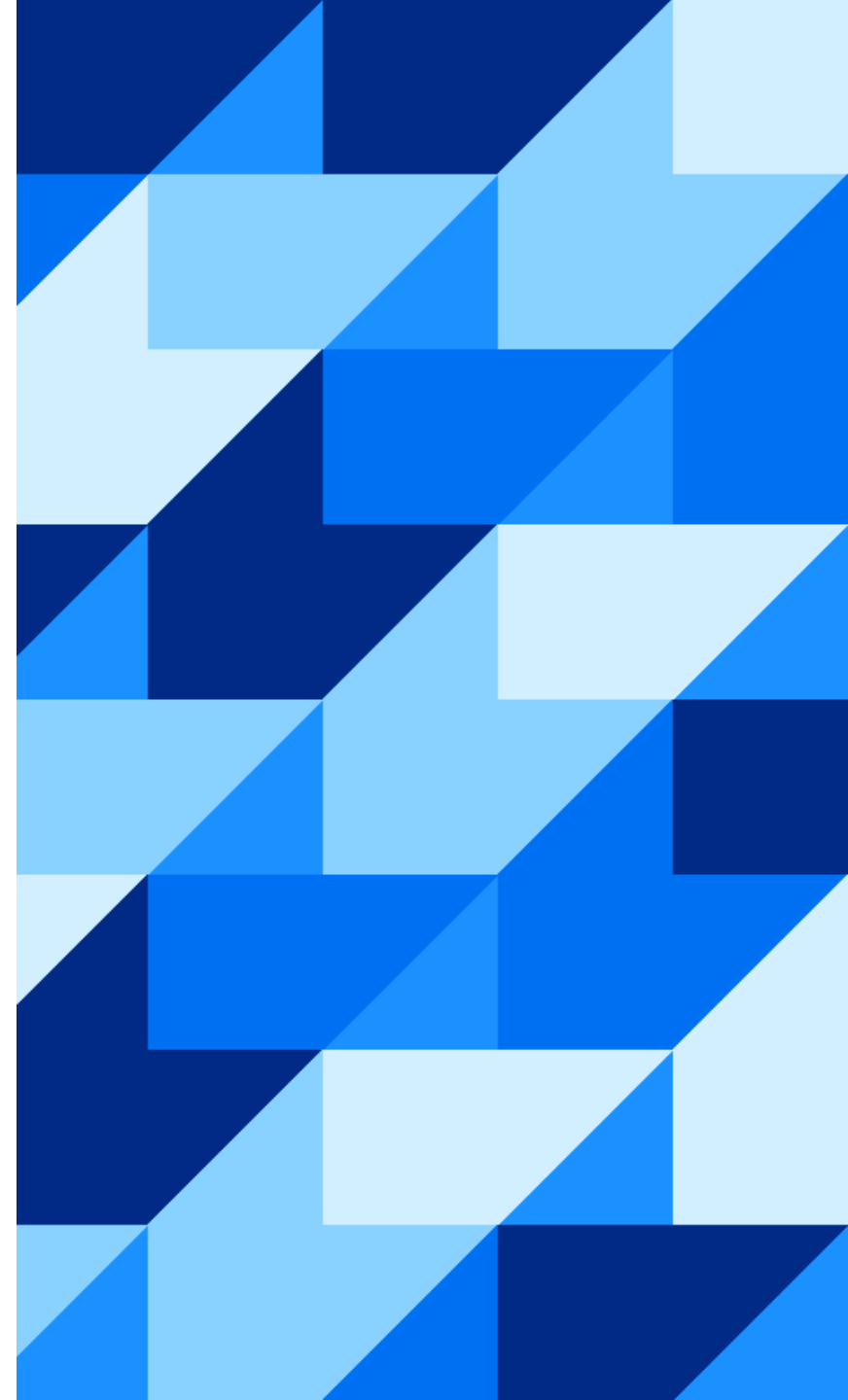
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**04** Updates on various other topics

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**05** Outlook

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# General Updates

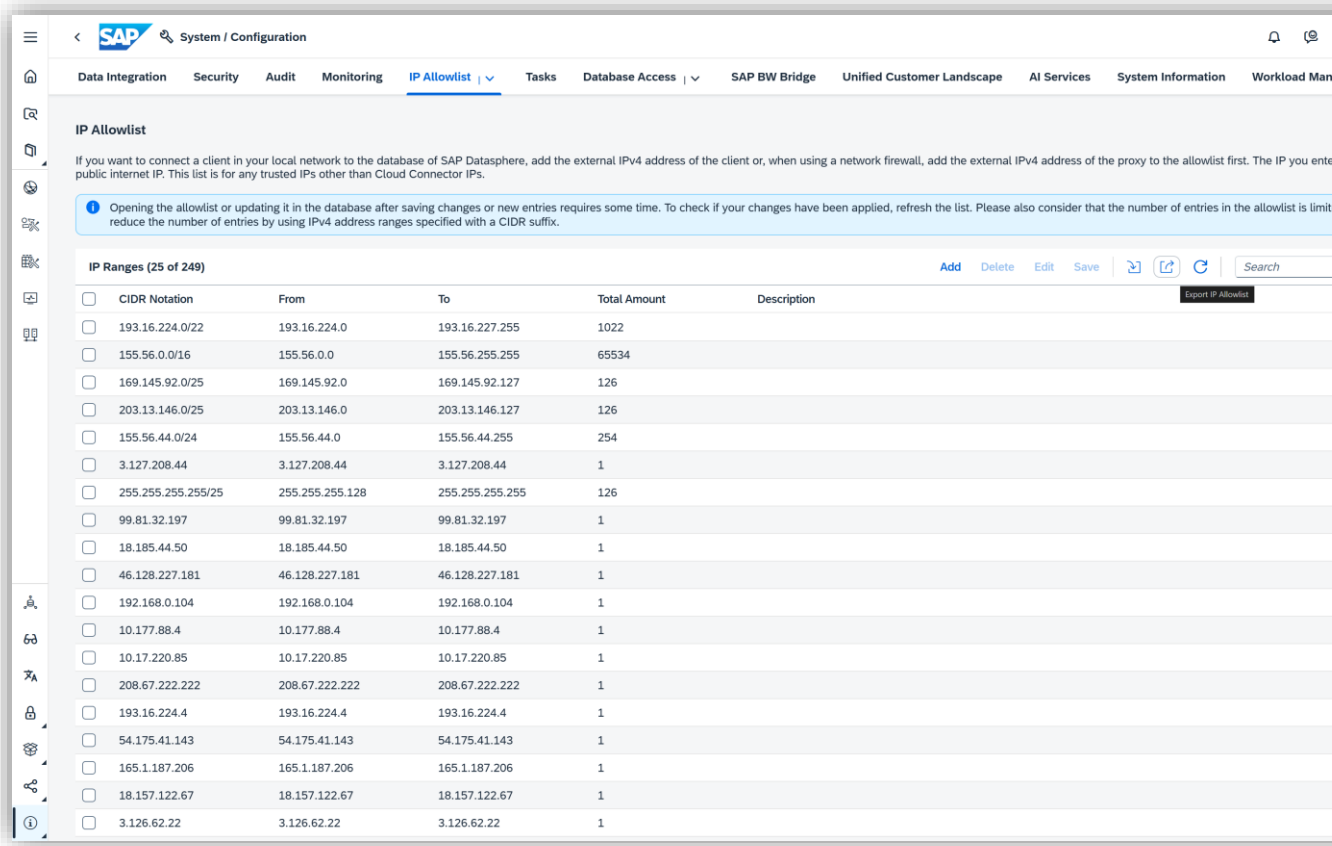
# Import/Export of IP Allowlist

## New Feature / Enhancement

- Extend the IP allowlist UI with import/export buttons
  - **Export:** generate a file that lists all allowlisted IPs and their descriptions
  - **Import:** consumes a file produced in the same or a different tenant and updates the allowlist
- Import options for append and overwrite
- Import file must contain headers "*CIDR*" and "*description*" and supports the CSV delimiters: semicolon (;), comma (,), tab (\t), or pipe (|)
- With multiple entries for one IP address in the import file the last entry is taken

## Business Value

- Avoid handling hundreds of IPs manually, making the process much less prone to errors.



## Links

- This feature was suggested by customers via [customer influence](#)
- [SAP Help Documentation](#)

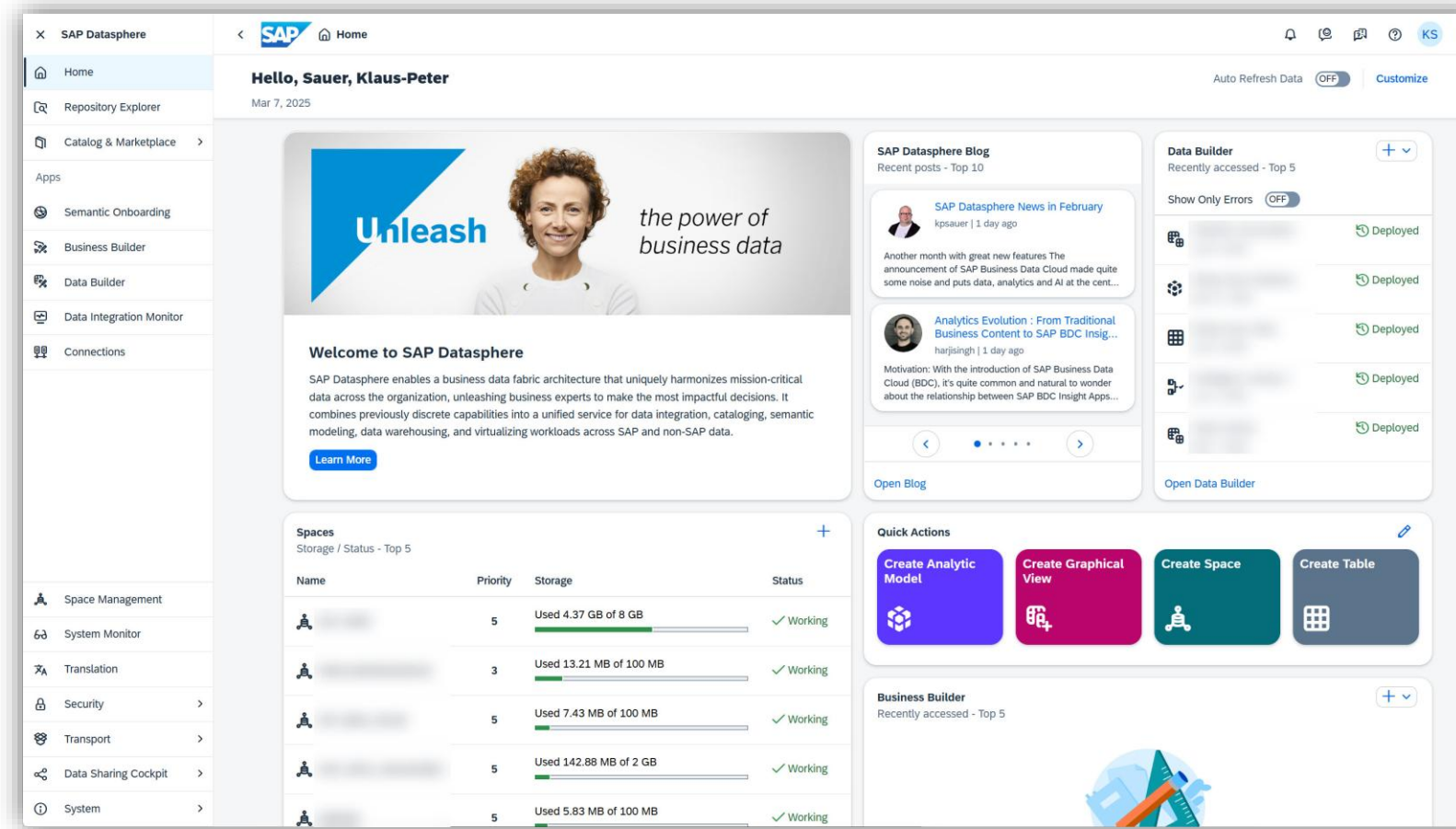
# Adoption of SAP Horizon Theme

## New Feature / Enhancement

- New SAP Horizon theme is now the standard theme in SAP Datasphere.
- The standard Horizon theme offers a modern and fresh look with a new vibrant color palette.
- The functionality remains the same, and some icons and other user interface elements may have changed to adopt this modern design.

## Business Value

- Standard SAP theme
- Better UI response



# Call to Action: Update of Java Virtual Machine version for SAP Cloud Connector

General information not part of releases 2025.01 to 2025.06

- CA Certificate change from *Let's Encrypt ISRG Root X1* to *Let's Encrypt ISRG Root X2*
- Rollout Plan\*

Date	Region
July 8, 2025	APJ - AP10, AP11, AP12, JP10, IN30
July 9, 2025	EMEA - CH20, EU10, EU11, EU20, EU30
July 10, 2025	AMER - BR10, CA10, US10, US20, US30

\*CA Certificate already active in regions that were enabled for SAP Datasphere from 2024 on (i.e. US21, IL30, IN30, SA30)

- After the corresponding rollout date in July, SCC based connections relying on old JVM versions will stop working.
- Example: minimum required SAP JVM version is 8.1.097

## Prerequisites / Links

[SAP Note 3556127](#) “Information about Datasphere Cloud Connector Certificate Notification”

[SAP Note 2219315](#) “Mapping of SAP JVM patches to Oracle JDK updates”

[Documentation for 3<sup>rd</sup> party Java Virtual Machines](#)

SAP managed SAP Cloud Connector: [How to create a Customer Service Request](#)

SAP Datasphere

Customer Communication

Call to Action

Dear Customer,

Customer Name: Anfini Co., Ltd

Subject: Call to Action - Check and Update your Java VM version

Dear SAP Datasphere customer,

Please check your Java VM version used for the SAP Cloud Connector and update to the new Java VM version.  
SAP recommends taking this action before 02.06.2025

Why?  
A change of certificates for SAP Datasphere is planned to be rolled out beginning of July 2025.  
Afterwards connections involving SAP Cloud Connector will fail if you are on an old Java VM Version.  
For further details on exact roll out dates and implications please refer to: <https://me.sap.com/notes/3556127>

What should you do?

If the server (where SAP Cloud Connector installed) is managed by you - on customer side:  

1. If you are using SAP JVM, please make sure the SAP JVM version is at least 8.1.097 or newer. See SAP Note 2219315, the SAP JVM build 8.1.097 corresponds to Oracle JDK 8u401, which includes the required CA cert in the truststore.
2. If you are using other JAVA environments, find the details in [this](#) JDK ticket and update your Java version if necessary.

If the server (where SAP Cloud Connector installed) is managed by SAP ECS (Enterprise Cloud Services):

- Cloud Connector 2.16.2 and above in ECS are safeguarded (packaged with SAPIVM 8.1.097)
- If your SAP Cloud Connector version is below that, please check with your ECS representative.
- If upgrade is needed, raise a Customer Service Request "Upgrade SAP Cloud Connector" as mentioned in KBA [3239384](#) How to use Service Requests application - SAP for Me

Product Name	Affected Entity
SAP Datasphere	System Number:
	System ID:
	System Name:
	System Role:

Please refer to the attachment for more details.

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# **Catalog & Data Marketplace**

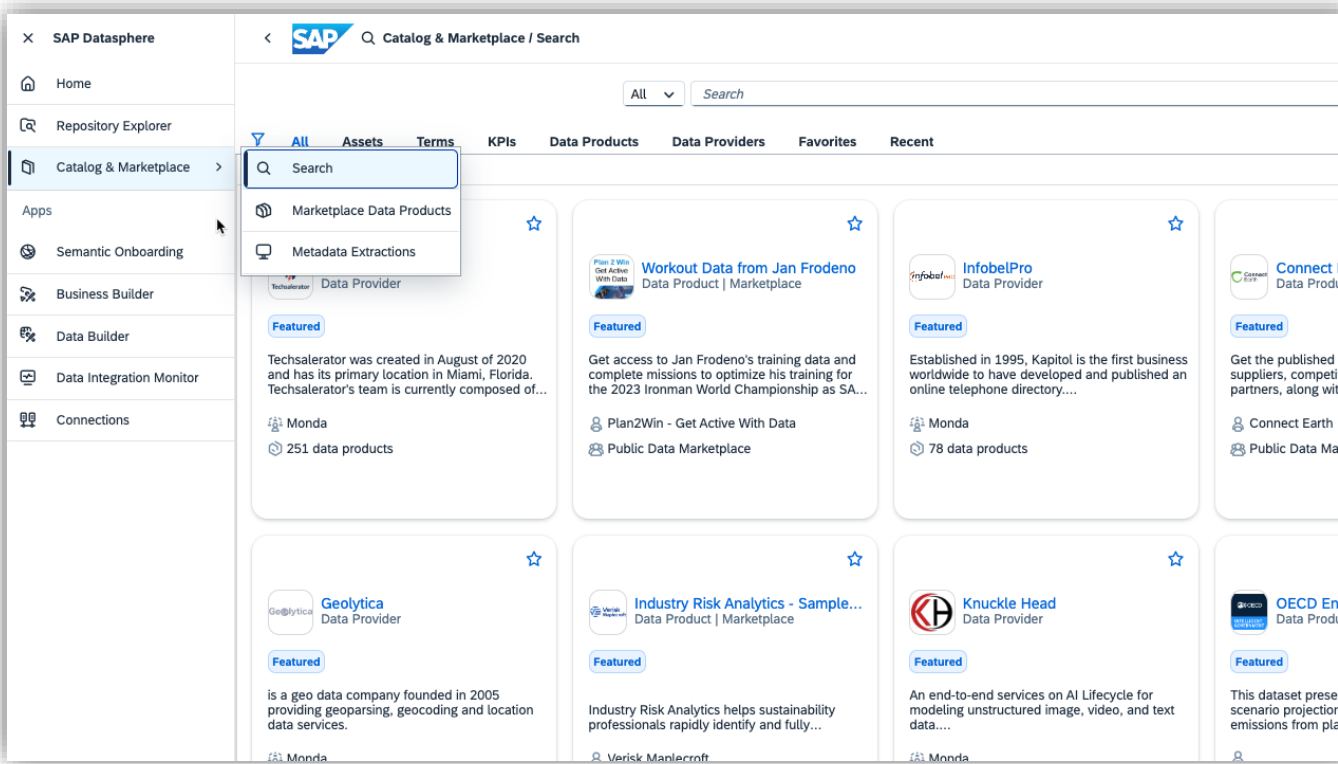
# Catalog & Marketplace unification of sidebar navigation

## New Feature / Enhancement

- Next step in Marketplace/Catalog convergence
- One unified discovery for all assets
- Streamline governed access to data products and assets

## Business Value

- Provide one location to find all artifacts for consumption



## Links

- [Announcement Blog](#)



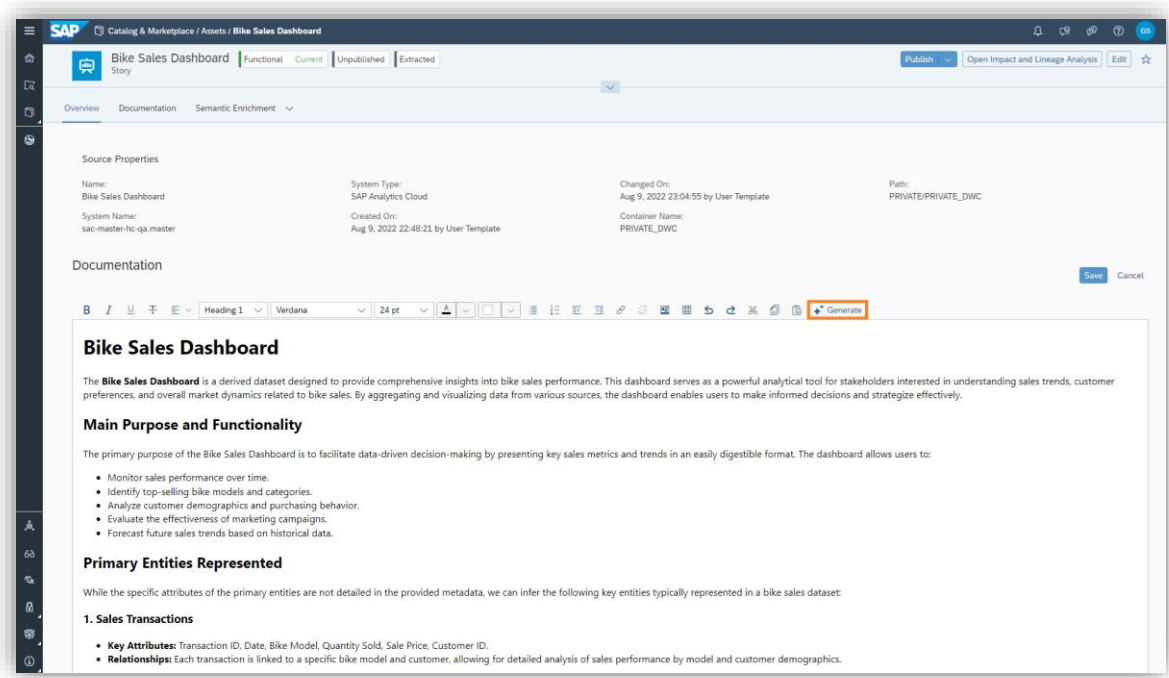
# Catalog Asset Description Automation with Generative AI

## New Feature / Enhancement

- Asset Description Automation and Asset Auto-Tagging are features designed to simplify the documentation and classification of assets available in the SAP Datasphere catalog,
- Asset Description Automation can generate short or rich-text based business descriptions for the asset and its column details, if any.
- Asset Auto-Tagging automates the classification of data with appropriate tags derived from an available list of hierarchical tags.

## Business Value

- Streamlines processes and optimizes use of expertise, especially as the volume and complexity of assets and their relationships grow in the landscape.
- Significantly enhances user experience and speeds up adoption of the catalog for business metadata enrichment.
- Facilitates more effective and efficient utilization of business data, leading to enhanced productivity and improved decision-making.



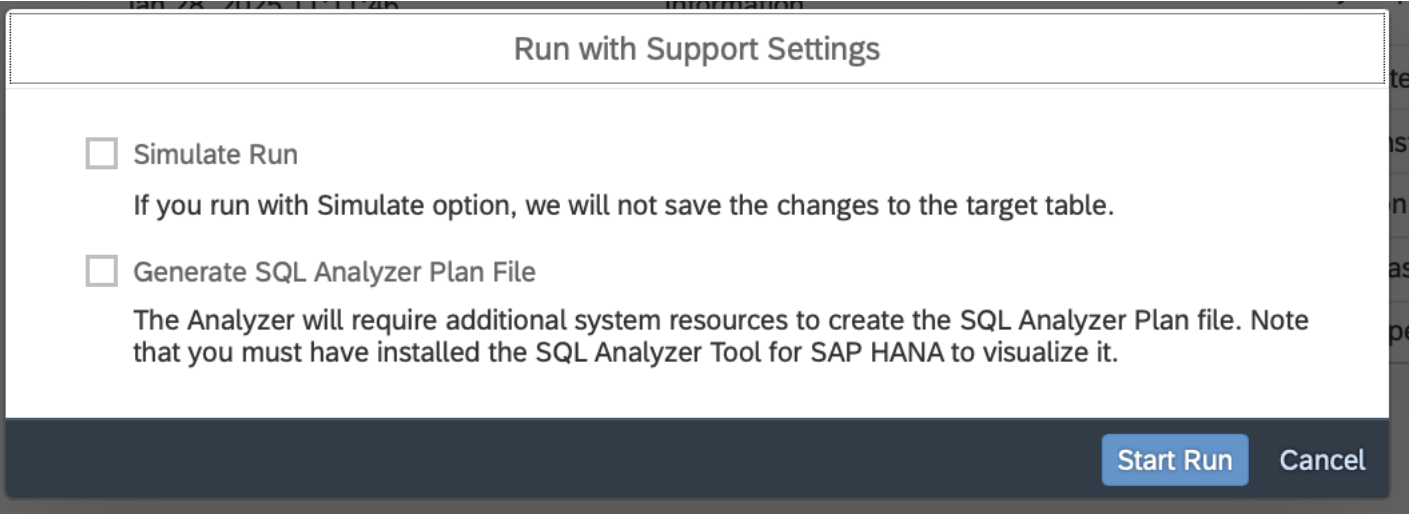
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# **Data Integration and Monitoring**

# Transformation Flow: Enable generation of PlanViz files during execution

## New Feature / Enhancement

- Generate PlanViz files for Transformation flows



## Business Value

- Provide better understanding of the internal operations of a Transformation Flows
- Allow detailed performance analysis of Transformation Flow execution
- Help with performance optimization of Transformation Flows.

# Task Chains: allow to cancel a complete task chain

## New Feature / Enhancement

- Cancel a complete chain including individual running tasks

## Business Value

- More control and better error handling

Demo Cancel Chain

Run Schedule

Status

Failed

Schedule

Refresh Frequency: None

Latest Update: Jan 28, 2025 19:04:37

Next Run:

Runs (2)

Start	Duration	Status
Jan 28, 2025 19:05:19	00:01:17	Completed
Jan 28, 2025 19:04:37	00:01:58	Failed (Canceled)

Activity: Cancel

Activity: RUN\_CHAIN

Run Details

Activity: RUN\_CHAIN

Run Status: Failed (Canceled)

Start: Jan 28, 2025 19:04:37

End: Jan 28, 2025 19:06:36

Run By: Mostafa Shaarawy

Run Type: Direct

Task List (4)

Object	Space	Type	Status	Duration
Demo Cancel Chain	P_MOSTAFA_SPACE	Task Ch...	Failed	0:01:59
Demo Large View 1	P_MOSTAFA_SPACE	View	Failed (Canceled)	0:00:38
Transformation Flow 1	P_MOSTAFA_SPACE	TRANSF...	Not Triggered	
Demo Table 1	P_MOSTAFA_SPACE	Remote ...	Not Triggered	
Transformation Flow 2	P_MOSTAFA_SPACE	TRANSF...	Not Triggered	

## Links

- [Cancel task chain run](#)

# Scheduling in local time zones – including daylight saving

## New Feature / Enhancement

- Allow scheduling based on preferred time zone.
- Automatic daylight saving adjustment based on the selected time zone.

## Business Value

- Increased operational efficiency by reducing manual efforts spent adjusting schedules.
- Improved scheduling experience.

Frequency

Enter As: 

Simple Schedule

Repeat: 

Daily

Every: 

1

 Day(s)

Time Zone: 

America/New\_York

At (America/New\_York): \* 

America/New\_York

Reset Every Month ☐ Reset Every Month

Time Range

Start Date: \* 

Mar 25, 2025

End Date: 

No End Date

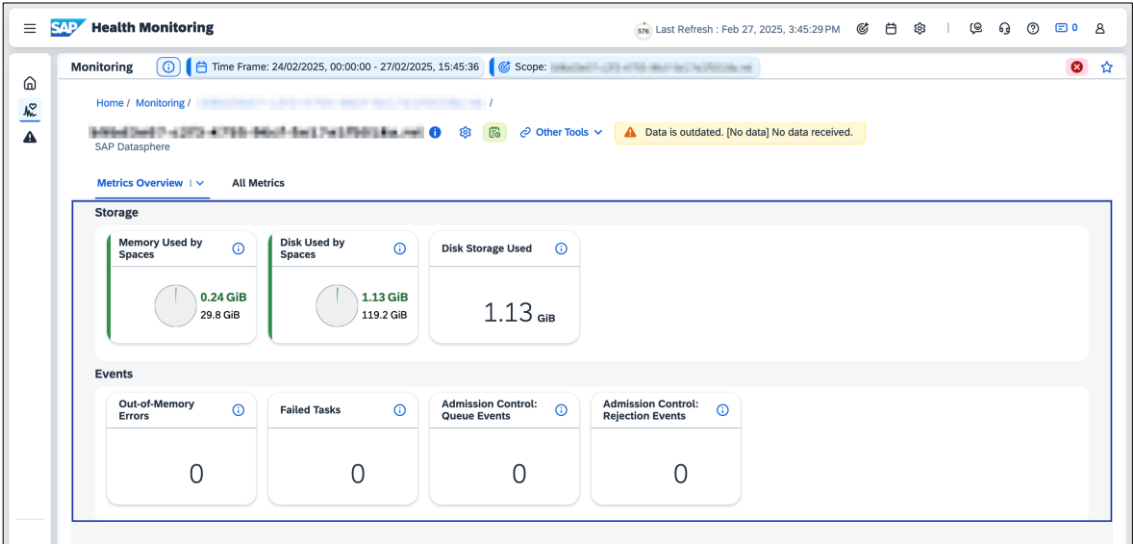
## Prerequisites / Links

- [Schedule a Data Integration Task \(Simple Schedule\)](#)
- [Schedule a Data Integration Task \(with Cron Expression\)](#)

# Integrate SAP Datasphere into SAP Cloud ALM for Health Monitoring

## New Feature / Enhancement

- Integration between SAP Datasphere and SAP Cloud ALM is now available
- Health Monitoring capability allows to monitor your SAP Datasphere instance through following widgets –
  - Memory and Disk usage
  - Out of Memory Events
  - Task Failures
  - Admission Control Events



## Business Value

- Ease monitoring of an SAP Datasphere tenant in a complex customer landscape with a centralized, consistent way of tracking health of the tenant

## Prerequisites / Links

- [SAP Cloud ALM Health Monitoring Online Documentation](#)
- [Setup for SAP Datasphere in SAP Cloud ALM](#)
- [SAP Cloud ALM Landscape Management Help](#)

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# Data Modeling

# External hierarchies with directory - Support compound keys in hierarchy ID

## New Feature / Enhancement

- Hierarchy directories can now be identified via compounded keys
- Hierarchy directory UI updated to
  - Select association to hierarchy directory, not column
  - Allow reuse of hierarchy directory columns in other parts of the configuration wizard

## Business Value

- Native support of hierarchy directory structure of S/4 hierarchies like Profit center, GL Account, Cost Center

Multiple Hierarchy Settings

Parent:  
PARENTID

Child:  
ID

1

Hierarchy Directory Association

HierarchyDir\_A

Hierarchy Name to Profit Center Hierarchy Directory View

HierarchyDir\_A

NODETYPE\_FIELD\_column

Node Type Values (4) :

CostCenter

Leaf Nodes

X

Country

X

CostCenterGroup

X

CostCenterCategory

X

Node Type Value:

CostCenter

Set as Leaf

Column 1

ControllingArea\_column

Column 2

CostCenter\_column

Add Column

OK

Cancel



# Analytic Model: Dynamic Defaults in SAC Variable Prompt

## New Feature / Enhancement

- Defaults of Analytic Model variables can now be set dynamically by calling a “lookup entity” that returns correct value for current context
- Any table or or view can serve as lookup entity
  - It should return a single row only
  - Similar logic & setup as with [variable derivation](#)
- Binding logic
  - Specify lookup entity
  - Pick column to pick the value that shall serve as variable default

## Business Value

- Better flexibility for variable values via user prompts
- Classic use cases: Lookups dependent on current date or user
- [Customer Influence Request](#)

Analytic Model Properties

{ }

Restricted Measure Variable

AM Default Variable Demo / Cut Off Date

Business Name: \*

Cut Off Date

Technical Name: \*

CUT\_OFF\_DATE

Data Type:

Date

Dimension:

ExpectedClosingDate (Opportunity ID)

Value Definition

Variable filled by:

Dynamic Default

Filter Type:

Single Value

Lookup Entity: \*

Lookup Dates

Result Column: \*

End of last year

Lookup Entity Parameter Mapping:

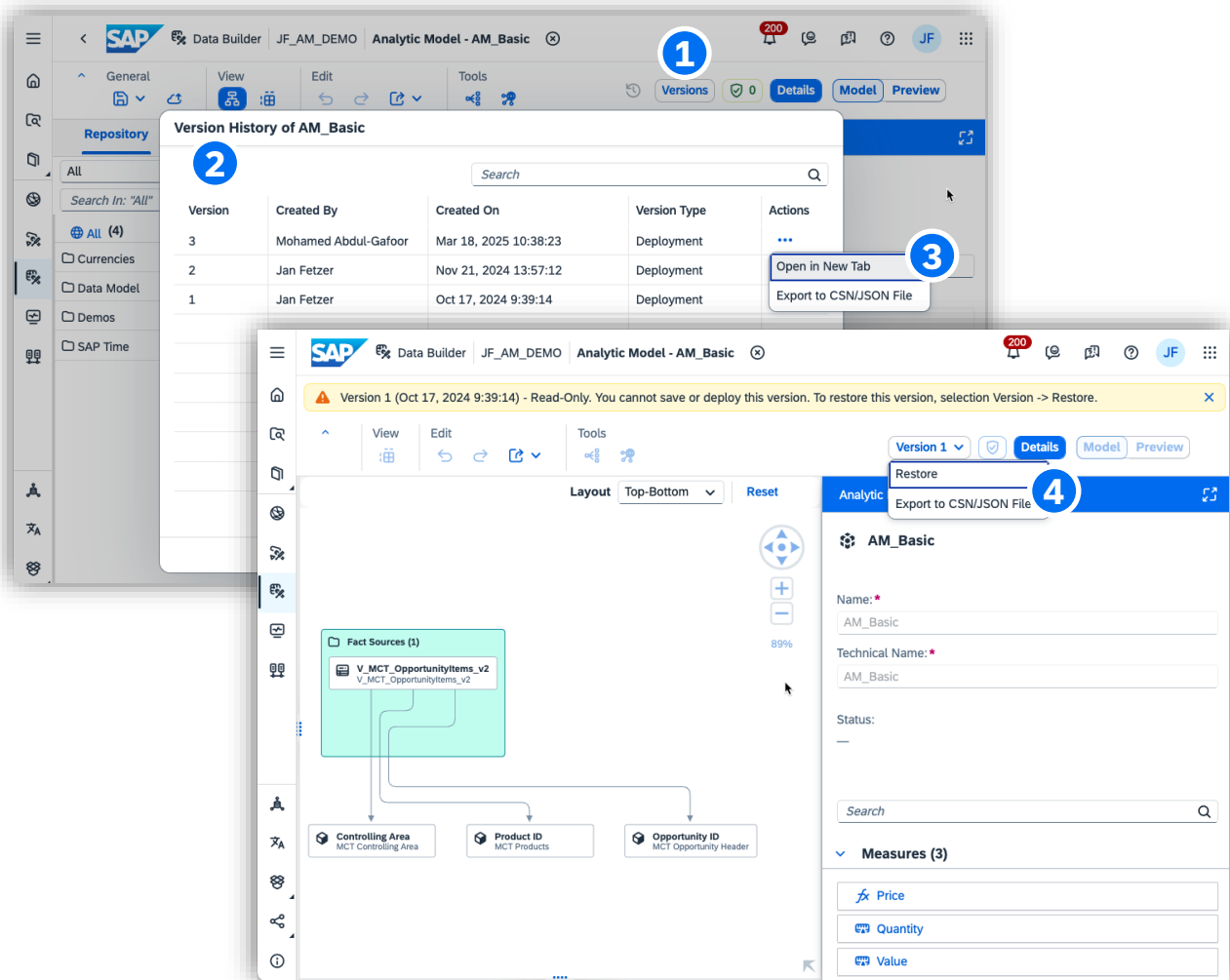
No data can be found on the list.

# Version Management for Data Builder entities (1/2)



## New Feature / Enhancement

- Users can now list, view & restore past versions of object models
- All objects support:
  - list all existing versions
  - download of CSN definition
  - open old version in new tab. No validations at this point. Useful for visual compare and assessment, if restore should be considered
- Tables, Views, DAC & Analytic Models support
  - Open old version for restore. All validations are performed. User responsible for cleaning up all validation errors.
  - Save of error-free restored version overwrites current object
- Versions are created automatically on deployment



# Version Management for Data Builder entities (2/2)

**Important: Version restore updates metadata, not data.**

As a result, restoring a table definition that contains a column that has meanwhile been dropped is not restoring the data in this column!

## Out of scope for initial shipment

- Version compare tool  
Instead, users need to compare visually between both tabs or download CSNs and compare in external tool
- Manual creation of versions
- Adding of comments to versions
- Versioning of more than one object at a time
- No support for Data Flows & Intelligent Lookups
- Git integration

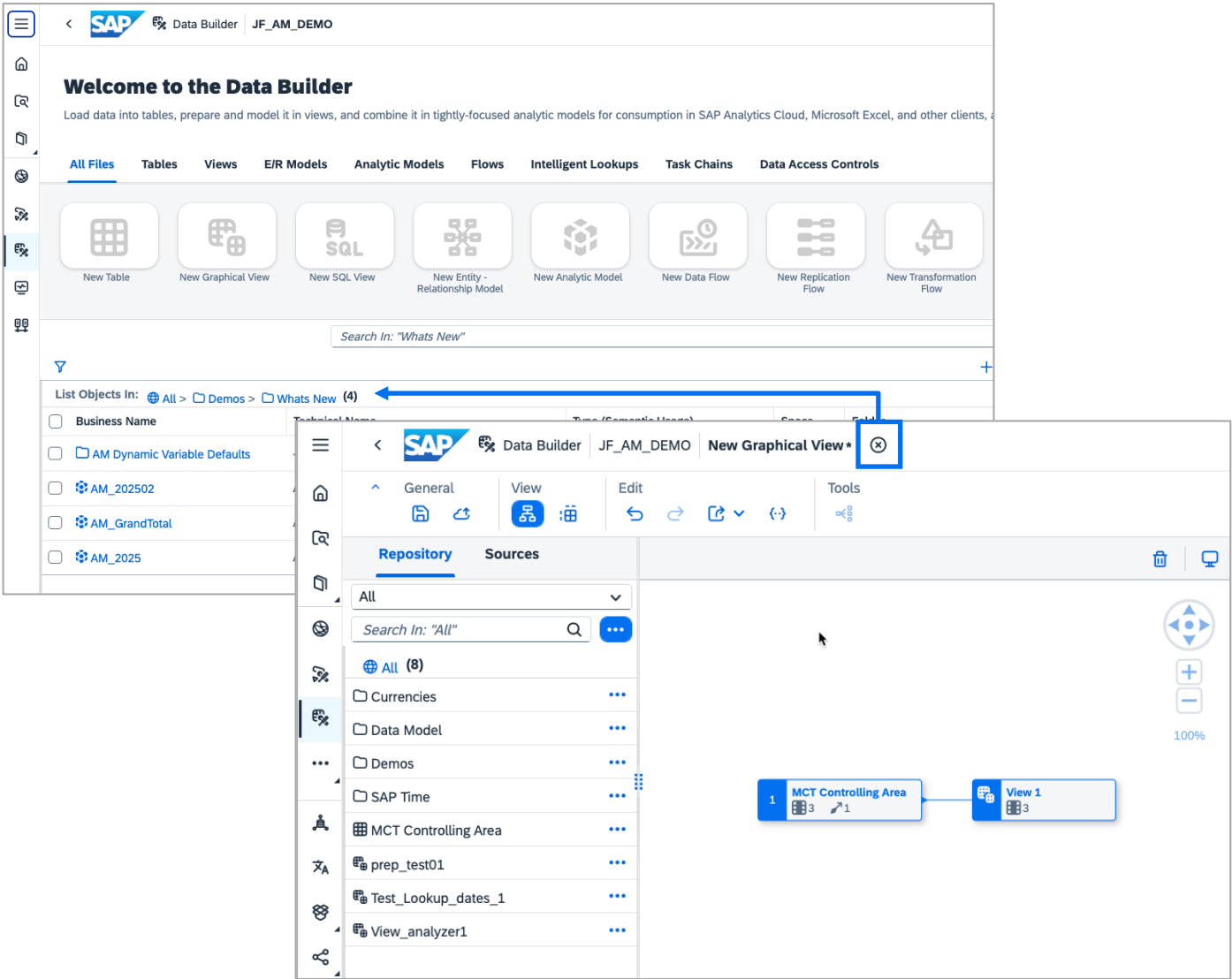
# UX Improvement: On close, return to last open folder

## New Feature / Enhancement

- On close, editors so far jumped to back a space's root folder
- Data Builder now opens the last open folder

## Business Value

- Improved usability and user flow



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# Outlook

# SAP Datasphere

## Upcoming Innovations

Preview  
subject to change

### 2025 Q2

**Catalog** expanding crawling reach to SAP BW/4HANA.

Allow reuse of source data sets in multiple **replication flows**.

Supporting **views as source in replication flows**.

Ability to call **REST APIs as a task in task chains** with sync & async modes.

**Semantic Onboarding** import for SAP HANA Cloud calc. views.

Enable analytic models to define a **secondary structure**.

Enable the **fact source** of analytic models to be **replaced**

Expanding **data center coverage** with Google Cloud Platform and Microsoft Azure.

**Custom home-screen card.**

Support **MS SQL** (source), **SAP Signavio** (target) and **support for arrays** (Confluent) in replication flows.

Identify the **failed tasks** in the nested task chains & **retrigger** them (deep retry).

Introduce **measure-dependency graph** for analytic model.

**Stacking of analytic models** with central measure definition.

Analytic Model differentiate **display** and **navigation attributes**.

### 2025 Q3 - Q4 and beyond

Support new load type **delta only** in replication flows (Q3).

Support SFTP as **target** (Q3) in **replication flows**.

Allow **restricted measures** in analytic models that restrict **on a node of a hierarchy** (Q3).

**Unit conversion** in analytic models (Q3).

Support for SAP Cloud Connector for cloud data stores (2026).

REST API **connectivity to SAP Ariba** solutions.

Self-service enablement of **multiple availability zones**.

**Catalog** expanding crawling reach to SAP S/4HANA (Q3), SAP HANA Cloud (Q3), and SAP ECC (Q4).

Offer a **public API** for triggering **task chain** runs from outside (Q3).

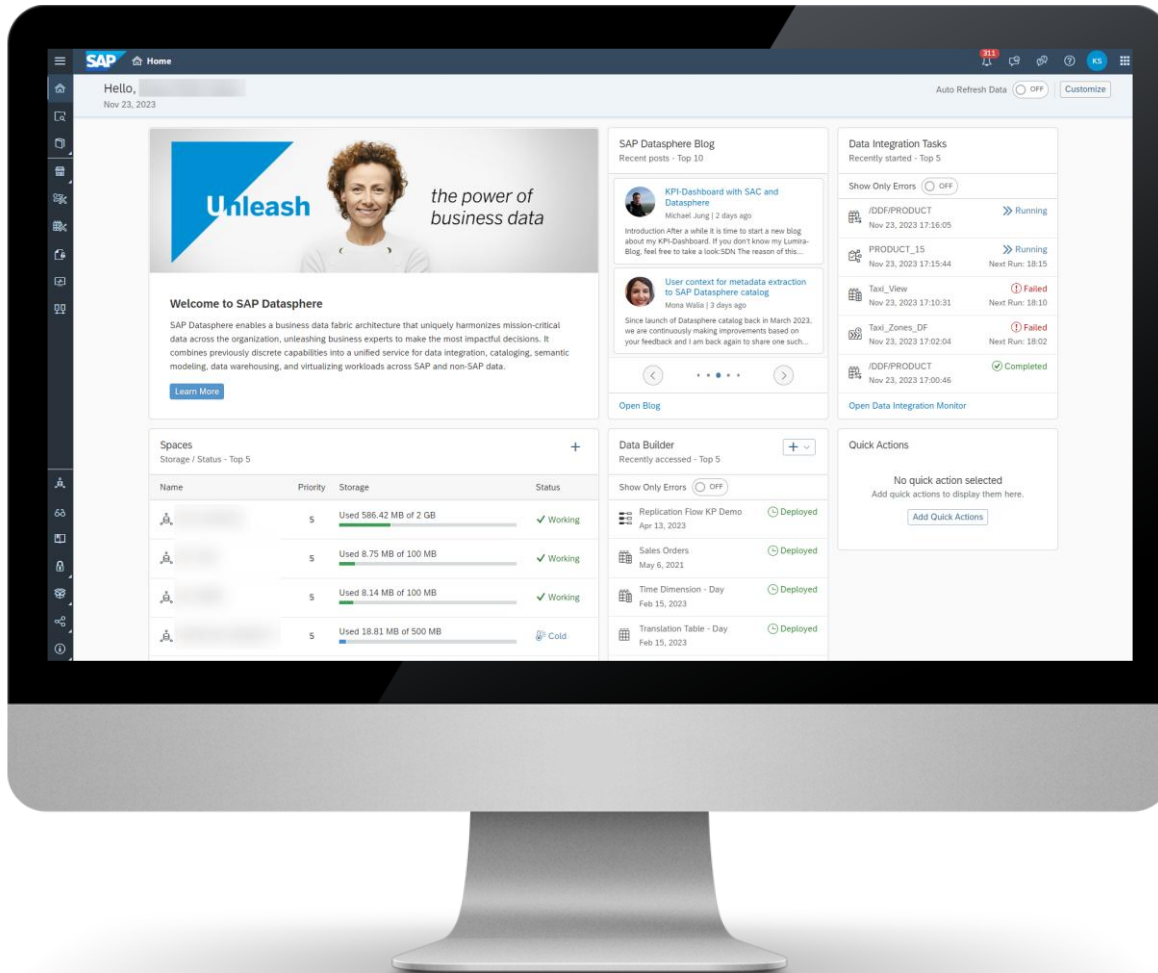
Business functions for **time period calculations in analytic models** MTD, QTD, YTD (Q3).

**Sharing of an analytic model** together with its contributing entities (e.g. fact, dimensions, hierarchies, texts) to another space (Q3).

Support MS SQL as **target** in **replication flows** (2026).

Introduce **Namespaces** and **sharing of dependent entities** in modeling.

# More information



- Check out the product page on [sap.com](https://sap.com) and get access to a [basic trial](#) system
- Get started with [SAP Datasphere components, concepts](#), and the [video library](#)
- Use the [tutorials](#) and our [learning journey](#) to learn more
- Stay updated using the [release navigator](#)
- Join the [community](#) and check out the [best practices](#) recommendations
- Add your ideas and requests for new features on the [SAP Datasphere customer influence](#)
- Online Documentation on [SAP Help](#) and [support content](#) for troubleshooting & analysis

# Thank you.

Contact information:

Your Product Management Team for  
SAP Datasphere

