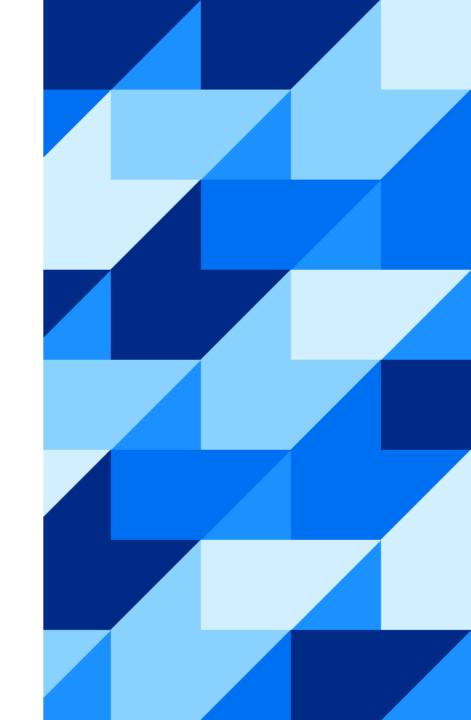




Agenda

- **01** General Product Updates
- **Updates in Data Modeling**
- **03** Updates in Data Integration
- **04** Updates on various other topics
- 05 Outlook

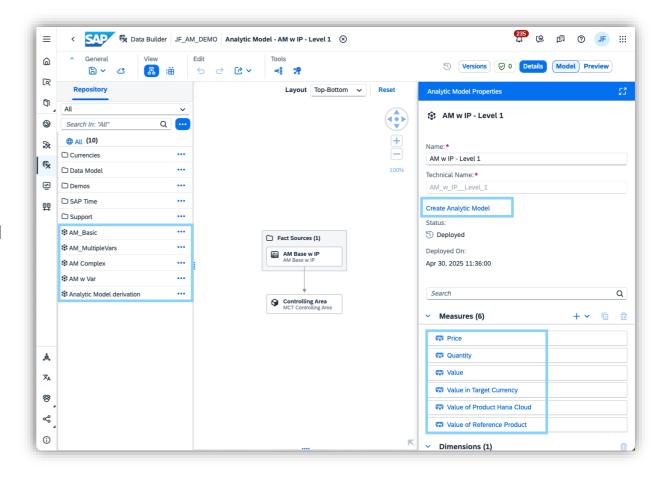


Data Modeling

Stacking of Analytic Models (1/2)

New Feature / Enhancement

- Analytic Models can now be "stacked" to any level
- Upper model inherits definitions of the lower model wrt.
 measures, available dimensions, variables & filters
- Upper model
 - freely selects what available dimensions to use and expose
 - can build own measures, variables or filters on top of inherited ones
 - automatically benefits from updates to inherited properties
 - will update its status, if inherited properties are changed in lower object
- No performance penalty, since inheritance is resolved during deployment



Stacking of Analytic Models (2/2)

Business Value

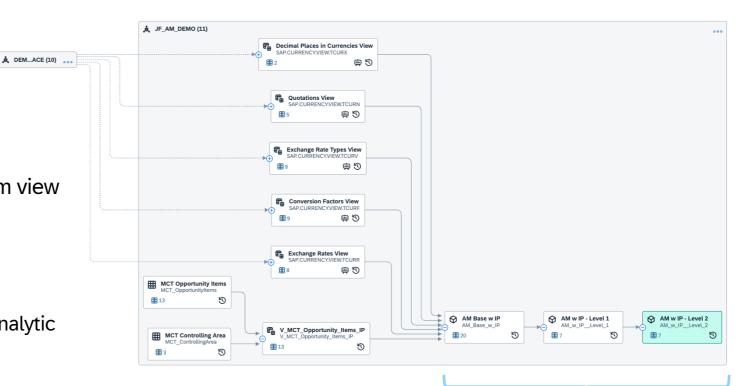
- Central governance & definition of measures, variables & filters
- Consumers can freely build on top or restrict from view

Restrictions / Out-of-scope

- No setting & derivation of inherited variables Status: in the works
- Stacking only within same space, i.e. no sharing of Analytic Models and then stacking in other space

Status: in the works

- No multi-fact support Status: roadmap
- No auxiliary dimensions, i.e. lower model cannot hide primary, used dimensions from upper model



Fact

stacked Analytic Models

View Builder: Runtime Metrics for Views

New Feature / Enhancement

- Runtime Metrics (3) to analyze View performance
- Measure runtime & peak memory using two queries:
 - SELECT * FROM VIEW LIMIT 1000
 - SELECT COUNT(*) FROM VIEW
- Performance statistics for prior run:
 runtime, peak memory, # of records, # of entities, etc.

- Modelers can check the performance of their views directly as part of the View Builder experience
- Addresses Influence requests from customers to measure Runtime performance of Views

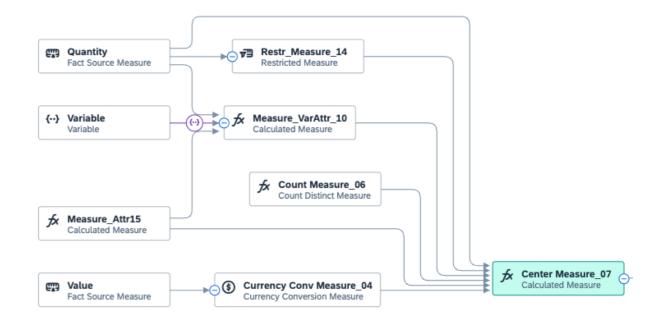
		Run	Cancel
	Previous Run		Latest Rui
Time	May 21, 2025 11:19:27		May 21, 2029 11:19:49
'SELECT * FROM VIEW LIMIT 1000'			
Duration	0.5 s	-0.35	0.15
Peak Memory	4.69 MiB	-4.25	0.44 Mil
'SELECT COUNT(*) FROM VIEW'			
Duration	0.44 s	-0.28	0.16
Peak Memory	4.69 MiB	-4.39	0.3 MiE
Number of Rows	198		198
Overall Number of Sources	7		
Data Access	Virtual		Virtua
Federated Remote Tables (with Limited Adapter Capabilities)	2 (2)		2 (2

Analytic Model: Measure dependency graph

New Feature / Enhancement

- Graphical representation of dependencies between measures, attributes & variables
- Icons represent relationships between measures,
 Measure (black), Attribute or Variable (purple)
- View measure details, Analyze & Refocus,
 Open Measure in Editor on the graph using
 the respective Context Pad

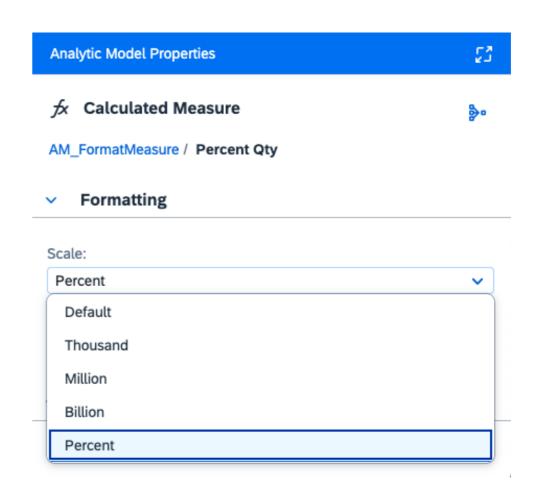
- Improved overview on model and stacked measures
- Graphical representation helps users understand the dependencies in a clear & concise manner



New Feature / Enhancement

- Define standard formats for measures in Analytic Models
- Users can choose to override them in SAC
- Users can define
 - Scale: None, Thousand, Million, Billion, Percent
 - Decimal Places: [0-9]
- Stacked Analytic Models:
 Inherit formats from lower stacked model

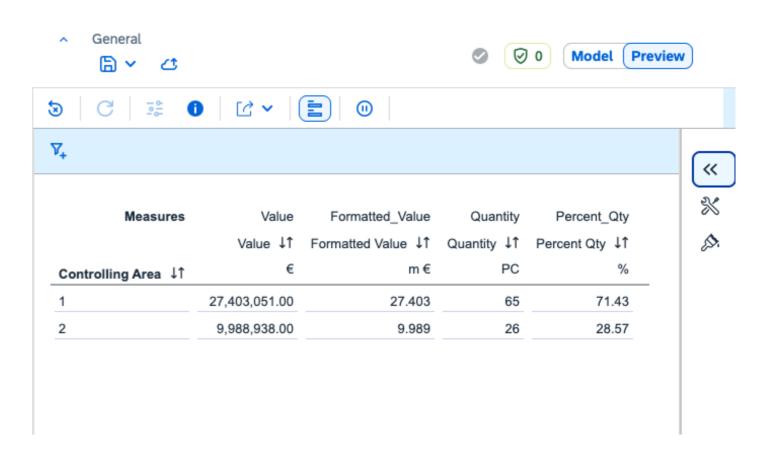
- Clear and concise presentation of large business figures (e.g., sales, revenue, users, spend)
- Central governance of the standard formats helps with readability and consistency



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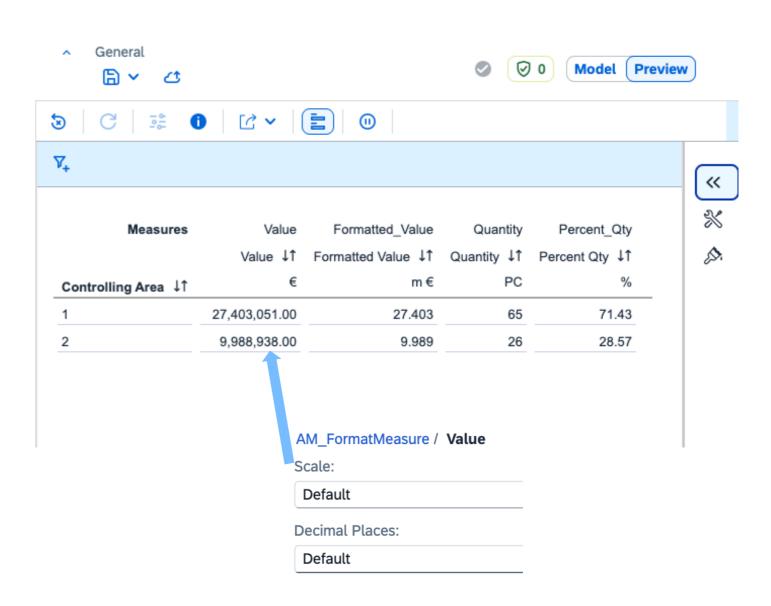
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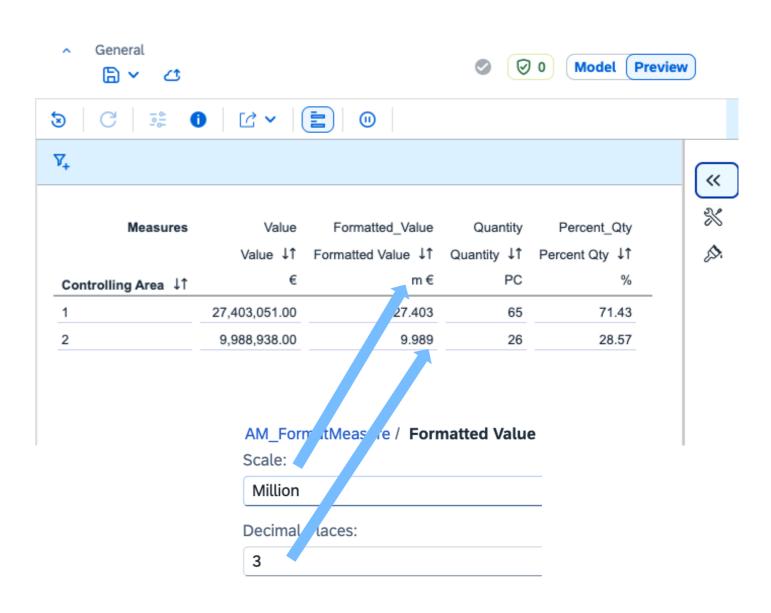
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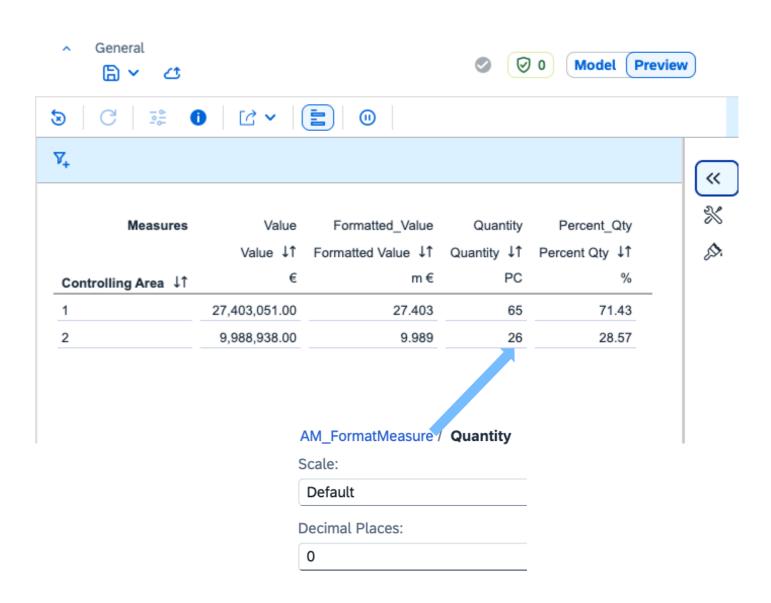
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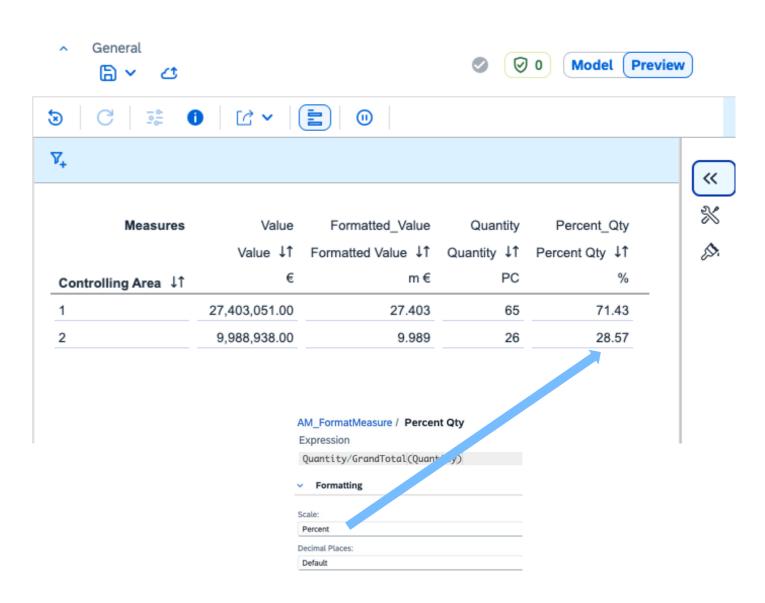
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Analytic Model: Variable Default Values for Multiple Range

New Feature / Enhancement

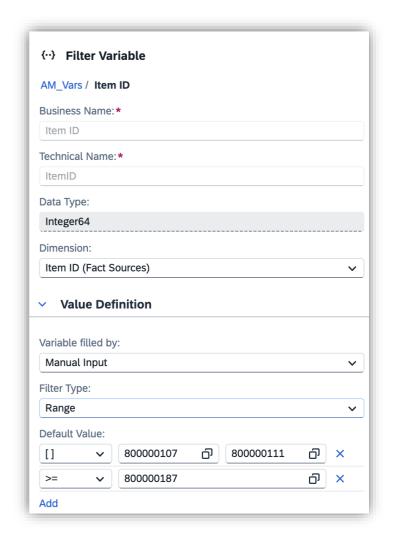
Flexibility on the Analytic Model variables

For Filter variables or Restricted Measure variables

- For Filter type Range, we can define multiple values
 with [] <= >= ≠ = <>
- Also support single interval values with = []

Business Value

 Better flexibility for input of Analytic Model variables when range values are involved



Analytic Model: Variable Default Values for Multiple Range

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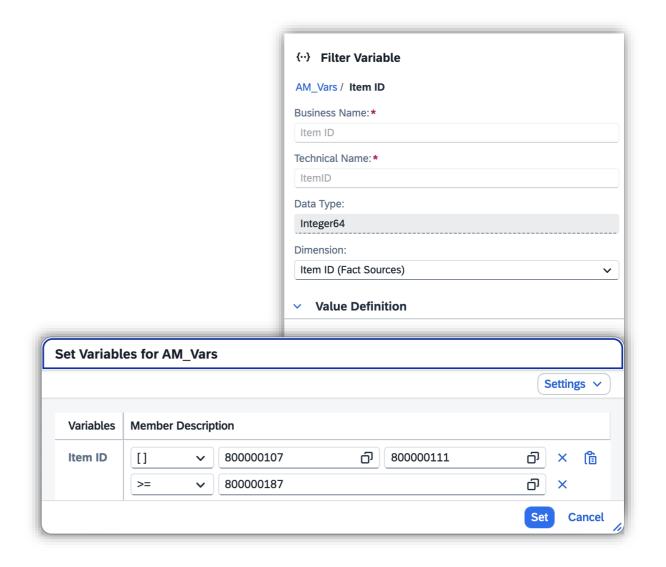
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BW Private Cloud Edition

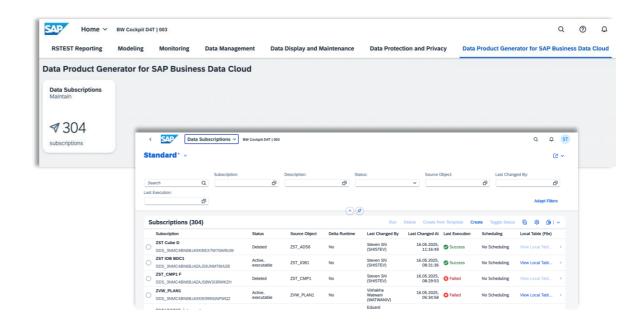
Data Product Generator for SAP Business Data cloud

New Feature / Enhancement

- Data product generator for SAP Business Data Cloud allows to automate the push of BW data into the object store of SAP Datasphere
- Supported entities: InfoObjects, DSOs, InfoCubes,
 MultiProvider, CompositeProvider, Query as InfoProvider
- Available for SAP BW 7.5 SPS24+, SAP BW/4HANA 2021 SP04+, SAP BW/4HANA 2023

Business Value

- Leverage cost-efficient storage with object store
- Push BW data to SAP Datasphere within SAP Business Data Cloud
- Sharing BW data products with DBX (planned for wave 2025.14)
- Leveraging BW data products in SAP Datasphere (planned for H2.2025)



Prerequisites / Links

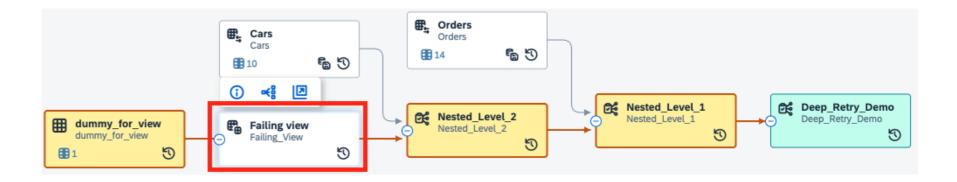
Note 3590400

Data Integration and Monitoring

Task chains: Adjust the restart feature to nested task chains Deep Retry

New Feature / Enhancement

 Task Chain retry only retries the failed tasks deep inside nested chains



Business Value

More efficient retry mechanism

New Feature / Enhancement

- Connection type Microsoft SQL Server as source is supported for remote tables and dataflows. Now, extended to support replication flows.
- Use connection type Microsoft SQL Server to replicate data from Microsoft SQL Server databases using replication flows
- Support for Initial Only and Initial+Delta Load type
- Views, Synonyms and tables without primary keys are not supported

Microsoft SQL Server Connection Information Business Name: MSSQL_Source2 Technical Name: MSSQL_Source2 Package: None Replication Flows: Enabled ① This feature supports building replication flows. You can add a source object from the connection to a replication flow to integrate and transform your data.

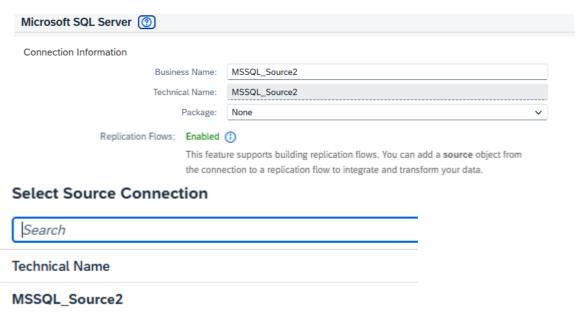
Business Value

- Replicate data from all supported Microsoft SQL Server versions using Replication flow
- Deeper integrations with Microsoft SQL Server databases

- Creating a Replication Flow
- Microsoft SQL Server Connections

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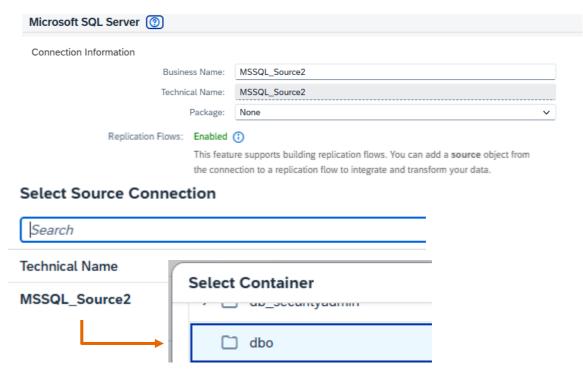
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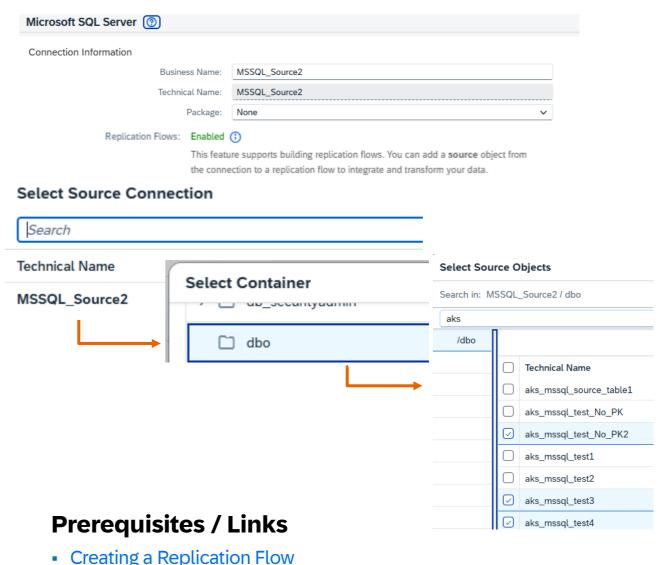
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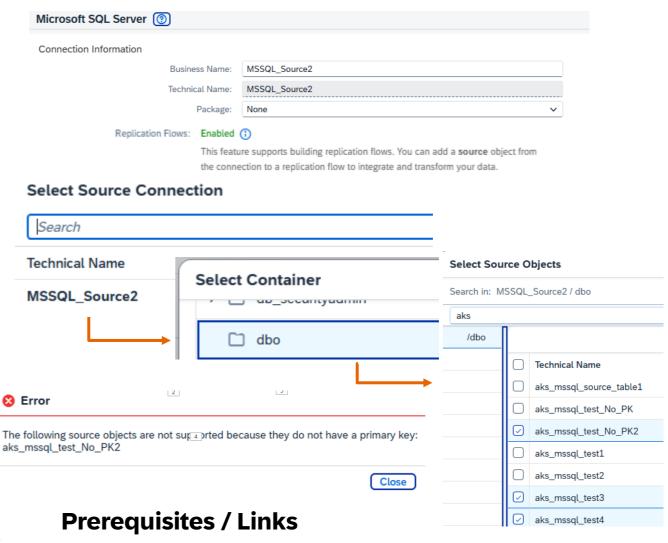
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Public

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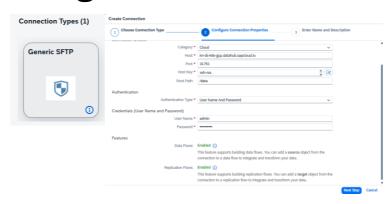
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New Feature / Enhancement

- Connection type "Generic SFTP" extended to support as target for replication flows
- The connectivity to SFTP servers in the cloud and onpremise (via cloud connector) supported
- Supported target file types: JSON, JSONL, Parquet, CSV
- Supported replication flow load types:
 - Initial only
 - Initial and Delta
- SFTP Target Settings Similar Configuration to Object Store



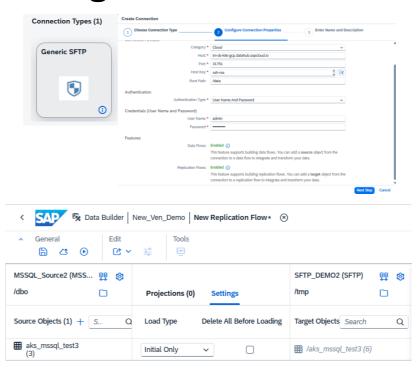
Business Value

New replication target for data distribution

- Generic SFTP Connections
- Secure File Transfer Protocol (SFTP) as Targets for Your Replication Flows

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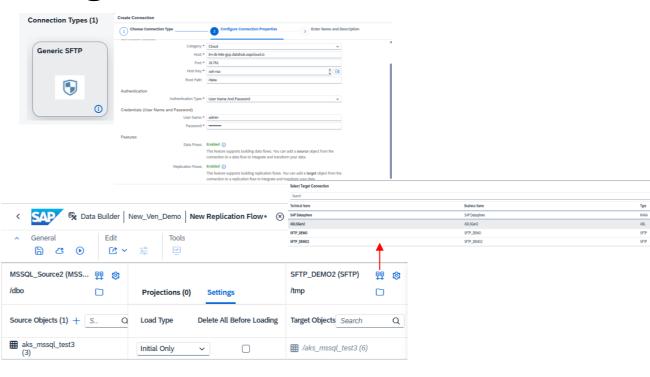
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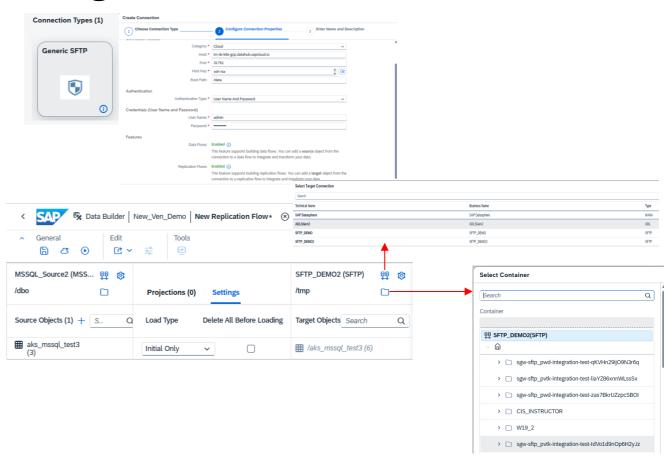
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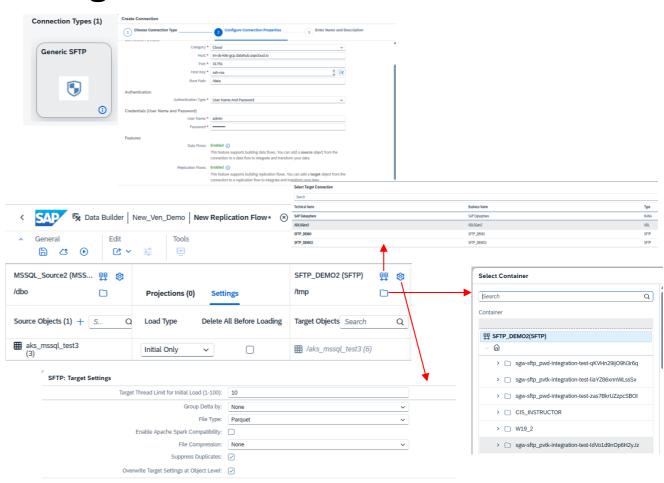
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Administration & Governance

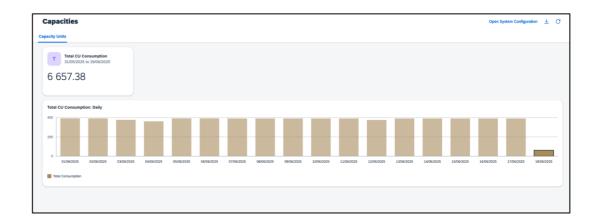
Consumed Capacity Unit Dashboard

New Feature / Enhancement

- New dashboard to track Daily and Monthly capacity unit consumption
- Download detailed hourly data for in-depth analysis
- Space and Object information when consumption is associated with specific object
- Cards
 - Total Consumption
 - Percentage of capacity unit subscription
 - Chart for daily consumption

Business Value

 Optimize resource allocation and ensuring efficient subscription management



Prerequisites / Links

Help Documentation Link

Outlook

SAP Datasphere Upcoming Innovations

Q3 2025

2025 Q4 & beyond

Mass import of existing glossaries, terms, and KPI's from flat files (XLS & CSV) into the catalog.

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

Support of catalog **metadata extraction** from replication flows (Q4).

Catalog expanding crawling reach to SAP BW/4HANA.

task chains with sync & async modes.

Datasphere and the ability to call **REST APIs as a task in**

Transformation Flow **batch** processing (HANA runtime) and column level lineage.

Task chain orientation mode and adding success and error ports.

Enable analytic models to define a secondary structure.

Support new load type delta only in replication flows. Support SAP Signavio (target) and **SFTP** (source) in replication flows.

Derivation of variable values for restricted measure and

filter variables.

Improve syntax validation in SQL editor.

Unit conversion in analytic models. a node of a hierarchy.

Offer a public API for triggering task chain runs from outside of

Allow restricted measures in analytic models that restrict on

DAC support for hierarchy with directory.

Business functions for time period calculations in analytic models MTD, QTD, YTD.

Enable **transport** of objects between **Object Store spaces**. Enhancing the **model validation framework** with checks on association consistency and unassigned nodes.

Support **Oracle** as a source (Q4) and **MS SQL** as target in replication flows (2026).

Analytic Model support for fiscal time dimensions / calendar (Q4).

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

Catalog expanding crawling reach to SAP HANA Cloud, SAP S/4HANA and SAP ECC (2026).

Semantic Onboarding import for SAP HANA Cloud calculation views (Q4).

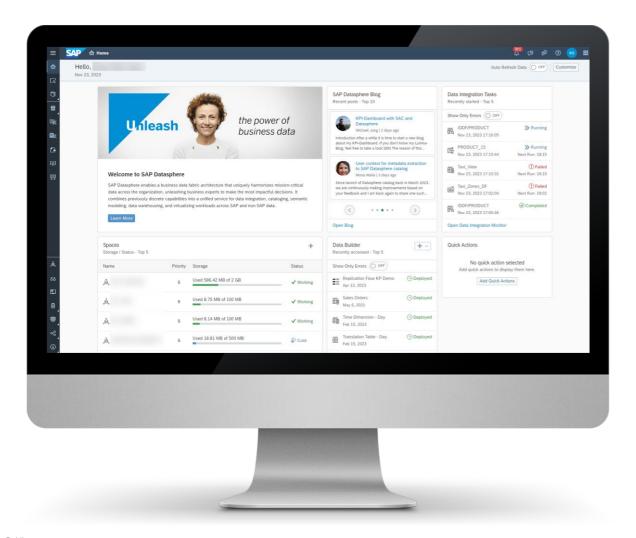
Sharing of an analytic model together with its contributing entities (fact, dimensions, hierarchies, texts) to another space (Q4).

Self-service enablement of multiple availability zones (2026).

REST API connectivity to SAP Ariba solutions (2026).

Introduce Namespaces and sharing of dependent entities in modeling (2026).

More information



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

Thank you.

Contact information:

Your Product Management Team for SAP Datasphere

