

Angles for SAP Release Notes

Version: 25.1

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End user – Highlights

Introduction of Multi-Level Jumps

The Multi-Level Jumps functionality is now available in Angles for SAP (Cloud SaaS). This feature was already available in the on-premises version of Angles for SAP and is now aligned across both products.

Multi-Level Jumps enable navigating beyond direct object relationships by providing visibility into end-to-end dependencies across multiple steps in the process flow. This supports more comprehensive analysis of process execution, dependencies, and potential issues. Examples of Multi-Level Jumps:

 **Delivering Orders**

Provides visibility into all upstream orders that are supplying the current order. For example, a sales order may depend on a work order, which in turn requires a purchase order. This jump traces such upstream links across all levels.

 **Dependent Orders**

Identifies all downstream orders that are dependent on the current one. For example, a purchase order may be linked to a production order, which is required for fulfilling a sales order. This creates immediate insight in how changes may affect future process steps.

 **Material Requirements**

Displays all material requirements linked to an order, including those derived from upstream component structures. It supports the detection of planning shortages and highlights components with incomplete allocation across multiple supply levels.

 **Where Used in Bill of Material (BOM)**

Identifies all BOMs in which a specific component is used. This analysis is initiated from the component level and helps answer "where used" questions commonly required for engineering change management and material impact assessments. Starting from a specific material, this jump shows all higher-level BOMs where that material is a component, helping assess the impact of component changes.

 **Where-Used to support Batch Traceability**

Tracks how a specific batch has been used across the supply chain. This is particularly relevant for industries requiring full traceability, such as pharmaceuticals or food processing. Starting from a batch number, this jump can identify all orders and products that consumed the batch, either directly or indirectly, across multiple stages of production and delivery.

Designer Workbench: Add references and sublists for Deeper Insights and Cross-Functional Analysis

The Designer Workbench is a self-service Angles for SAP model customization tool, allowing customers and partners to create custom model extensions by adding new data, properties, and relationships to the standard Angles for SAP model. We have added the following enhancement:

- Extend Standard Module Classes by adding references and sublists to your model

Adding references and sublists enables deeper customization of the Angles for SAP model to fit your specific needs. By creating non-SAP data source classes within Angles for SAP and seamlessly integrating them through standard references and sublists, you can perform cross-functional analysis and drill down into your data with greater flexibility. This enhancement empowers you to gain richer insights into your business questions, driving more informed decision-making.

End user - Usability improvements

Enhanced Dashboard Design for Improved User Experience

The latest updates to the GUE Dashboards include a refreshed design that improves usability and visual appeal. These enhancements aim to provide users with a more intuitive and engaging experience when interacting with their dashboards. These changes not only enhance the aesthetic quality of the dashboards but also improve functionality and user engagement, supporting users in making data-driven decisions more efficiently.

Improved Filter Pop-Up Resizing for Better Visibility

The filter selection experience when using the **Add Filter** button in the left sidebar is enhanced. Previously, maximizing the filter pop-up caused users to lose visibility of existing filter definitions, making it harder to maintain an overview while adding new filters.

This enhancement

- Ensures that the filter/jump definitions in the left sidebar remain visible because of the maximum pop-size. Allows users can still resize the pop-up manually according to their preferences.
- Ensures a better user experience, allowing for seamless filter management without losing context.

Workbench: Active model will be expanded in navigation tree

When the Workbench URL contains a model id, that model will be expanded in the navigation tree.

End user - Fixes and improvements

Designer Workbench: Business Process Assignment for Workbench-Created Objects

This feature improves object classification and searchability in Expert Mode by allowing users to assign Business Processes to new objects created in the Workbench. Previously, all such objects were categorized under "Other," making them harder to locate. With this enhancement, users can select from a list of standard and customized business processes from ITMC, assign multiple processes, and edit assignments later. This ensures better organization, classification, and usability within Angles for SAP.

Automated Tasks: Email Attachment Size Validation

This feature introduces email attachment size validation for automated task emails, ensuring attachments do not exceed a configurable size limit before sending.

New features include:

- ✓ Configurable max-attachment-size setting – Default set to 20MB, adjustable by admin users in the system settings page to align with different email system limitations.
- ✓ Pre-send validation – Prevents oversized attachments from being sent, avoiding email failures.
- ✓ Clear error notifications – If an attachment exceeds the limit, users receive:
 - A descriptive error message explaining the issue
 - Email notification to intended recipients informing them of the problem
 - Detailed log entries for troubleshooting
 - Automation task status update, indicating the task ran successfully but the file was too large to send

This enhancement improves reliability, transparency, and troubleshooting for automated email tasks, ensuring smoother workflow execution and error handling.

Automated Tasks: Enhanced Email Logging for Automated Task Actions in Angles for SAP

This enhancement improves transparency and auditing for automated email notifications in Angles for SAP. Previously, recipient details were not logged when using the "Result only" email setting. With this update, recipient information is now consistently stored and visible in logs and the database, ensuring alignment with other email notification settings. This improves traceability, simplifies troubleshooting, and enhances compliance with reporting requirements—without requiring additional user configuration.

Automated Tasks: Save to SharePoint Enhancements

This feature introduces two key enhancements for automated tasks when saving to SharePoint, bringing it in line with other data store export options.

New features include:

- ✓ Appending files – Allows users to create a data history, making it easier to track changes and analyze trends in external applications like Power BI and Excel.
- ✓ Attaching output to email notifications – Enables users to receive automated email notifications with the exported file attached, improving task execution monitoring.

Previously, these functionalities were only available for other export types like Excel and CSV. With this update, SharePoint exports now offer the same level of flexibility and usability, ensuring better data tracking and enhanced automation workflows.

Calculated Fields: Role-Based Access Control for Calculated Fields in Angles for SAP

With this feature, administrators now have greater control over the Calculated Fields feature in Angles for SAP. Previously available to all users, this feature can now be restricted based on user roles within the authorization model. Administrators can allow, deny, or leave access undefined, ensuring that only authorized users can create or edit calculated fields while maintaining visibility of shared, validated fields. This enhancement strengthens security, ensures consistency in role-based access control, and aligns with other configurable user permissions.

Create Angles: New 'Include Empty Values' Checkbox for More Flexible Filtering

This feature introduces an 'Include Empty Values' checkbox to every angle and display filter in the UI. Previously, filtering on date fields in R2 excluded empty values by default, creating inconsistencies compared to R1 and making it difficult to include records with missing dates.

With this enhancement:

- ✓ Users can now choose to include empty values when applying a filter, ensuring greater flexibility and alignment with R1 behavior.
- ✓ The checkbox is available for each individual filter step, allowing for precise control over filtering behavior.
- ✓ This feature enhances predictability and usability, making it easier to filter data without complex workarounds.

This improvement reduces discrepancies when upgrading from R1 to R2 and simplifies filtering across multiple business scenarios.

Create Angles: Expanded Angle Creation Options for Basic and Advanced Diagrams

This feature enhances the Angle Creation process by introducing two additional options—“Start with Blank Angle” and “Start with Default Display”—for users working with Basic - Activity

Diagram and Advanced - Object Diagram types. Previously, these options were only available for Expert - Object types. With this change, users benefit from a consistent and flexible experience across all diagram types, making it easier to start creating angles based on their preferred workflow.

ITMC: Display Refresh Duration in Statistics for Improved Visibility

This feature enhances the statistics view by introducing a Refresh Duration field, eliminating the need for users to manually calculate the time difference between start and finish. With this improvement, administrators can quickly assess data refresh performance, optimize system efficiency, and streamline troubleshooting.

Model Configuration: Configurable Exchange Rate Type overrides on for conversions to Standard Currency

This new feature allows specifying overrides on ExchangeRateType, used when converting currency values into the configured standard (translation) currency.

This can be used when the mid-market exchange rate type 'M' doesn't provide the required Exchange Rates, but another one. To configure this, navigate to **IT Management Console > Content Parameters > Enterprise Configuration > Overrides on ExchangeRateType** setting.

Enhanced Identification of Automated Angles and Displays

Administrators can now uniquely identify which specific Angles and Displays are scheduled or executed as automated tasks. Previously, when multiple Angles or Displays shared the same name, it was challenging to determine which exact object was automated.

Enhancements:

- ✓ Added a reference link from **Automation Task Actions** and **Automated Task Action History** to the corresponding Angle and Display objects.
- ✓ Angle ID & Display ID are now available for analysis, providing precise identification of automated tasks.

This update helps administrators accurately track and analyze the automation of Angles and Displays, eliminating confusion caused by duplicate names.

Model Enhancements QM: Validity Status on Quality Info Record PO

The calculation for Validity Status on class Quality Info Record PO has been improved.

[04968995/04931997]: Improvements in conversion of currency values

The Conversion of values expressed in Document Currency into another (Local or Standard) Currency has been improved.

- ✓ Conversions to Standard Currency now only pass through Local Currency when that is required by the presence of a valid User-supplied ExchangeRate or configured factor. This immediate conversion from Document to Standard currency (avoiding the intermediate

step through Local Currency) solves scenarios where there's no data present for the intermediate step.

- ✓ When a conversion to Standard Currency does fail (due to an absent Exchange Rate in SAP's TCURR table) an inverted conversion (using the Exchange Rate for the current date) is used.
- ✓ The Document Exchange (aka. Pricing) Date is now incorporated everywhere possible. This makes all conversions use correct factors, solving some power-of-ten deviations.

These enhancements provide greater precision in financial reporting and improve consistency in sales and purchase value calculations across various currencies.

[05132559]: Non-Functioning Filters After 'BOM of Material Header Multi Plant' Jump

This fix resolves an issue where filters were not applied after using the 'BOM of Material Header Multi Plant' object jump when working with materials at the plant level. Previously, after applying this object jump:

- ✓ Filters had no effect, meaning irrelevant records were still shown.
- ✓ Users experienced inconsistencies, as filtering worked correctly with other object jumps.

With this fix:

- ✓ Filters will now correctly apply after the 'BOM of Material Header Multi Plant' jump.
- ✓ Users can confidently refine data without encountering unexpected results.
- ✓ Ensures reliable and consistent filtering behavior across all objects jumps.

This improvement eliminates a major usability issue and restores expected filtering behavior, helping users efficiently analyze their data.

[05052891] Automation Tasks: 403 Forbidden error while saving

While saving automation tasks, a 403 Forbidden error would be shown in some scenarios, causing the task not to be saved. This has been resolved.

Model Fix: Serial Numbers Involved Should Display Unique Numbers

The "Serial Numbers Involved" property in the Equipment object previously displayed duplicate values. With this update, the property will now return distinct values.

IT user – Highlights

Extraction via SAP Business Technology Platform (BTP)

This release introduces a new extraction option leveraging SAP Business Technology Platform (BTP).

New features include:

- ✔ Seamless data extraction using BTP technology – Providing a modern and secure alternative to traditional VPN/WebSocket-based methods.
- ✔ Hybrid integration support – Allowing businesses to maintain on-premises systems while benefiting from cloud-based extraction and integration services.

This enhancement enables efficient, scalable, and secure data extraction, supporting organizations in their digital transformation journey while maintaining regulatory and operational flexibility.

IT user – Usability improvements

Workbench: Committed model view loses focus on selected item

After selecting a file in the committed model view in Workbench, the focus in the navigation tree would reset to the top. This has been improved to keep the selected file in focus.

IT user - Fixes and improvements

Workbench: Action icons in Commit history are distorted

The action icons in Commit history within Workbench would be shown distorted. This has been resolved.

Model Server Logfile: Record of actually used currency conversion factors

To support currency conversion related investigations, the log file of Model Server is extended with a record of the used currency conversion factors.