

Angles for SAP Release Notes

Version: 24.1

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End user - Highlights

Designer Workbench: Preview

A preview of the Designer Workbench is now available in Angles for SAP 24.1. Using the Designer Workbench, you can customize your AgS model to your needs by adding new SAP tables to the model, creating fresh objects, or establishing references to existing classes. This enhancement empowers precise tailoring of the model to meet individual requirements, resulting in increased efficiency and flexibility.

The preview version of the Designer Workbench enables you to create the following customizations:

- Add an additional SAP field to an existing SAP table
- Add a new SAP table to an existing object
- Create an object from existing and/or new SAP tables
- Create references to existing or new objects

All customization using the designer workbench are supported by an integrated user-friendly workflow. The customizations are also automatically backed-up by the designer workbench and can be restored, if required. To use this feature, a Modeling Workbench Customization privilege must be assigned to your user role.

Release 24.1 contains the first preview. More customization capabilities, including using non-SAP data to enrich your model, will be added in later releases.

OData: Support for OData version 4

Angles for SAP now supports version 4 of the OData protocol. With this update, individual Angle Displays can be made externally available with a custom external identifier. The v4 link to the OData feed can be copied from the display details panel and used in third-party tools. Authentication is done with a user-scoped API token from the Platform.

S/4HANA - Introducing Stock Segmentation


Stock Segmentation has been introduced as part of the S/4HANA Angles Supply and Demand logic. To efficiently plan your requirement, you must be able to fulfill new requirements (such as sales orders) with existing or future stock (for example, purchase requisition). If you have defined segments, you can assign the stock to the requirement using these segments. For example, if your material is classified into low, middle, or high-quality segments, fulfilling future requirements becomes easier. Segmentation strategy determines how requirement segments are assigned to stock segments.

The Angles for SAP supply/demand matching takes the stock segmentation logic into account. As a result, when the stock segment does not match the requirements segment of open requirements

(e.g. sales orders), inventory and supply is not allocated to the requirement anymore. Stock Segmentation is an optional module which can be activated in the workbench: **SAP Supply Chain Management basic configuration > Stock Segmentation**. The minimal SAP version required to start using stock segmentation is 7.5.

End user - Usability improvements

Resource Center: Feature Walkthroughs

AgS is now equipped with Guided feature walkthroughs or Guides for new features. These walkthroughs will help you discover and use our newly introduced features. The Guides are displayed when you log into your AgS account for the first time after a release. You can also find the Guides in the Resource Center. To find a Guide, click the  icon to access the Resource Center and then select **Guide** at the top. The first two walkthroughs will introduce our recently added feature Calculated Fields and the Field chooser redesign.

End user - Fixes and improvements

P2P: New reference from Purchase Document Item to Info record

A new reference is added from the object *Purchase Document Item* to the object *Info Record*. This new reference provides quick access to the info record data to verify the data or identify any inconsistencies.

System Insights/EA4IT: Insight in Angle displays externally available (Odata)

To provide insight and control on all angle displays that have been made externally available by users, a new field is added to the object Displays: Available externally (OData) in the EA4IT model. This field is checked if the display is made externally available using an OData connection. Use the EA4IT template Displays, Basic List and add this new field in display and/or filter to create an overview with all relevant data.

P2P: Purchase Document Schedule Line Enhanced Logic

In scenarios where purchase order lines are not confirmed and committed in full, open quantities and/or due dates calculations can sometimes be incorrect. To address this issue, the purchase document schedule line creation logic for order(lines) containing multiple delivery/confirmation/goods receipt dates has been improved.

S2D: Stock relevance improvements for supply demand matching.

The outcome of the stock functionality has been improved. In SAP, Stock in transfer on storage location level is no longer considered a stock requirement. Due to this change, the outcome of available stock quantities might increase to better match SAP MD04 results.

Special stock valuation is now also considered to determine the fields *Financially valued (y/n) of stock* and *StQ Valuated of Material on plant level*. The stock valuation fields (e.g. 'financial value stocks') do not change, since the special stock valuation was already considered in the calculation.

OData: Performance improvement

When requesting the same display through OData in the On-prem and Cloud versions, the latter takes significantly more time to complete (~60x). This has been improved.

OData: Viewing display with jump via OData fails with error 500

When using OData to view a display with a jump, a server error 500 would be shown. This has been resolved.

Angle filters are not correctly considered

When multiple filters were applied on an angle, all filters following an 'is empty' condition were not considered correctly. This has been resolved. The order of filters no longer influences the result.

Help text for reference field shows the field help text instead of the reference help text

For reference fields, the field help text was shown instead of the reference help text. This has been resolved.

No help text is shown for fields that contain a slash

For fields that contained one or more slashes, no help text was shown. This has been resolved.

Calculated fields cannot be dragged to the data grid

When trying to drag a calculated field from the Insert Column tab to the data grid, nothing happens. This has been resolved. Calculated fields can be dragged to the data grid now.

Field Chooser: Reference source not shown when sorting

When sorting fields in the field chooser, the source of references was not shown. This has been resolved.

Web Client / IT Management Console: 'Request too long' (400) Error

When working in Web Client or IT Management Console for a longer period, an error would be shown, making it impossible to continue working. This has been fixed.

Calculated Fields: Error in comparing a field value to a Boolean value in an IF expression

When a calculated field was created using an IF expression to compare a field value with a Boolean value, an error would be shown. This has been resolved. Boolean values can now be used to compare to field values.

Drill Down: Error on scrolling down

When scrolling down in drill down, an error was shown. This has been resolved.

Real-time models do not show current time as model date

For real-time models, like the System Insights/EA4IT model, the model date field showed the time the model server was made online. This is now fixed to show the real time instead.

Drill down: loading data is slow or is not shown

When drilling down to a specific item, the data load takes a long time, or the data is never shown at all. This has been resolved.

Filtering on empty Execution Status failed on requirement of argument value

When filtering **Execution Status** on '<no value>', the angle execution was failing. This has been resolved.

Fixed Issues

[04567003] Custom icons no longer shown correctly

Custom icons configured by users are now being displayed correctly. Also, the functionality to upload new custom icons is now working correctly.

[03613682] Net Amount in Local Currency showing incorrect amount

Fields expressed in local currency (like *Net Amount in LC*) were sometimes calculated incorrectly in the objects *BillingDocumentHeader*, *BillingDocumentItem*, *InvoiceReceiptHeader*, *InvoiceReceiptItem* and *InvoiceReceiptItemAccountAssignment*. This has now been resolved.

[03593999] System Insights / EA4IT: Automation Task History Insights shows incorrect results

System Insights/EA4IT output could show incorrect information in automation tasks history insights. Instead of listing each Angle name for the actions within a task, it was listing the last angle name for each action. This has now been resolved.

[03398134] System Insights / EA4IT: Sequence of filters changes filter results

Applying multiple filters on different fields in the System Insights/EA4IT module could show incorrect filtering results, because all the defined filters were not considered when showing the result. This has now been fixed.

[03448361] PD schedule line having multiple delivery/confirmation/goods receipt dates show incorrect results

In some specific scenarios, PD schedule lines with multiple delivery/confirmation/goods receipt dates resulted in incorrect open quantities or order due dates. To address this issue, the AgS logic has been enhanced. Open and closed quantities in the delivery schedule line/confirmation are first split and then sorted. As a result, closed quantities are first matched before the remaining open quantities. This enhancement ensures better accuracy for open quantities, due dates, and derived fields like execution status.”

IT user - Highlights

Reduced refresh time by 30%

The backend Data Warehouse had been changed from Amazon Redshift to Yellowbrick. The scheduling of transformation steps has also been optimized. This change has reduced the time taken for a Refresh by up to 30% on average.

Automated Tasks: Federation authentication option added for SharePoint integration

For automated tasks to integrate with SharePoint, AgS previously only supported legacy authentication with username and password. SharePoint integration has now been extended with an option to use federation authentication. This type of authentication typically includes multi-factor authentication (MFA) for newer environments. After registration of the Angles for SAP product as client in the SharePoint management page, the end-user can select MFA, configure the client ID and secret, and authenticate when creating a datastore.

Control data extraction from SAP based on Company Code or Plant (FM442)

FM442 provides extended flexibility on what data the AgS solution is permitted to extract from SAP. This ensures tighter control on sensitive data by the SAP security team.

After importing FM442 into the SAP system, you can control the data being extracted directly in SAP. This is done by maintaining a permission table in SAP, where, for each user/table combination, filter restrictions can be specified. These restrictions are applied when data is being extracted.

Workbench: Find and replace in Search page

The search page in the Workbench now supports the Find and Replace functionality on Customer content. After searching on the text to replace, checkboxes are provided for the user to select the search results to be updated. The user can enter the replacement text in a dedicated textbox and click **Apply** to replace the search text in all selected locations at once. These replacements are saved automatically.

IT user - Fixes and improvements

Application Server: improvement in connection maintenance

Connections created by the Application Server were flagged to 'keep alive', leading to potential resource exhaustion. This flag is not needed anymore with the new model server and has been removed.

Workbench: Committed model view does not show contents for compared version

When comparing versions in the committed model view in Workbench, contents would be shown for one version only. This has been resolved.

Dashboard widgets fail with Error

When executing a dashboard, widgets failed with a 409 error. This has been resolved.

Odata: Database connection for OData service fails for manually created models

When using the OData service for models that were not included in the automated deployment, the database connection failed. This has been resolved.

Refresh shows error

When running refresh, an error was shown, leading to missing data. This has been fixed.

Refresh fails due to insufficient capacity

When trying to start the ETL server (for a refresh), an error was shown causing the refresh to fail. When retrying a few seconds later it works fine. A retry mechanism is introduced to resolve this.

Refresh fails because settings file does not exist

When running a refresh an error was shown. This has been fixed.

Web Client and ITMC logs not available via ITMC system logs page

When trying to access log files for Web Client or ITMC via ITMC system logs page, an error was shown. This has been fixed.

Application Server: Infinite authentication loop when Application Server is down

When the Application Server services are down, the user would end up in an infinite loop with Platform Authentication upon trying to log into the Web Client. The Application Server availability is now checked upfront, and an error message will be shown to the user when the service is not available.