

Angles for SAP Release Notes

Version: 22.2

Contents

| | |
|---|---|
| End user – Highlights..... | 3 |
| O2C: Getting insight in Group Deliveries | 3 |
| Support automatic distribution to network storage | 3 |
| End user - Fixes and improvements..... | 3 |
| System Insights / EA4IT: Introduction of Enumsets..... | 3 |
| MDM: Getting Insight into objects related to SAP Documents..... | 4 |
| Simplified date filtering options | 4 |
| O2C: Insight in Billing Block Removal by same person who created the Sales Order (Segregation of Duty)..... | 4 |
| O2C: Sales Value Execution Status..... | 4 |
| F2R: Getting insight in Exchange Rate Data history | 4 |
| S2D: Work Order & Operation, added fields MRP Controller and Purchasing Group from Material on Production Plant..... | 5 |
| S2D: Getting insight into Control Cycle(s) / Supply Area(s)..... | 5 |
| S2D: Description of MRP Area | 5 |
| O2C: New reference added from object Material on Sales Level to Material | 5 |
| System Insights/EA4IT: New fields added to objects Datastores and Automation Tasks..... | 5 |
| O2C: Getting insight into shipment loading rescheduling..... | 6 |
| S2D: SAP field project number not available, affecting project-references..... | 6 |
| Fixed issues | 6 |
| System Insights: field Duration does not work..... | 6 |
| Batch changes not available in S/4 Hana..... | 6 |
| OTIF calculation, angle / export fail..... | 6 |
| Users getting logged out while still being active | 6 |
| Price Unit is empty in case of Quantity Scale conditions | 7 |
| Restructure of SAP table IHPA (Plant Maintenance Partners) is not correct..... | 7 |
| ONC fails to complete | 7 |
| Reference from Invoice Receipt Item to First Accounting Document incorrect | 7 |
| IT user - Fixes and improvements..... | 7 |
| System Insights / EA4IT: Angle warnings on EA4IT - Performance Dashboard – Functional . | 7 |

End user – Highlights

O2C: Getting insight in Group Deliveries

In SAP, it's possible to combine one or more items (main items and/or sub-items) in a sales order so that they can be delivered on the same date. An item that is confirmed for several delivery dates can be confirmed for a single delivery date if it is assigned to a delivery group. We have added the group delivery number to the object Delivery Header. This gives insight into all deliveries belonging to a group delivery and vice versa.

Support automatic distribution to network storage

With Angle Automation, you can schedule reports and automatically write them to the server or share them by e-mail. You can now also send your reports straight to a Windows network drive, a SharePoint site, or an Amazon S3 bucket. Subfolders are supported, to facilitate organizing your documents.

End user - Fixes and improvements

System Insights / EA4IT: Introduction of Enumsets

In the A4S model the use of enumerated set fields was already very common. This feature allows you to create filters based upon; 'Is in list'. The enumsets were not available in System Insights model until now. We have introduced the following enumsets:

| Object | Field(s) |
|----------------|---|
| Audit Log | Action, Target Type, Parent 1 Type, Parent 2 Type |
| Display | Display type |
| User | AuthorizedModels |
| User on Role | AuthorizedModels, RoleType, Role Name |
| Datastores | Data Store Name |
| Task History | Result |
| Action History | Result |

MDM: Getting Insight into objects related to SAP Documents

Within SAP multiple document types can be created and maintained, like Packaging Instructions, Engineering Descriptions/Drawings, Recipe documents and many more. In A4S, there is an object *Document Object Links* available to manage these document types. Different objects like Materials, Bom Headers, Equipments, Notifications, Workorders etc. can be related to these document types. To make the different objects like Materials, Bom Headers, Equipments, Notifications, Workorders etc. can be related to these document types. To stay in control of this complexity we have introduced a new object: Document Object Links. This object is based upon the SAP Document Info Record Table [DRAW]. This object will show you all available document types, their document status and all the objects linked to the documents.

Simplified date filtering options

Filtering on dates has been simplified by merging the relative options (e.g. relative after) into other filter types (e.g. after period). The following date and time filter options have been removed because they are now covered by other filter options:

- relative after
- relative before
- relative between
- relative not between

O2C: Insight in Billing Block Removal by same person who created the Sales Order (Segregation of Duty)

A new display *Segregation of duty: Billing block removed by creator of Sales doc* has been added to the template *Sales Document Changes*. This gives direct insight into the removal of billing blocks by the same person who created the sales order. As part of the segregation of duties policies this should not be possible, and this list should always be empty.

O2C: Sales Value Execution Status

To be able to see which part of sales value contracts [VBAK_AUART='WK2'] is delivered or open we have improved the execution status logic. Value contracts with Sales Document item status in SAP **open**, will now show a SD schedule line with status **open**. This gives insight into the value **delivered** and **open** for sales value contracts.

F2R: Getting insight in Exchange Rate Data history

In SAP, different exchange rate types are maintained for conversion between different currencies used by your company. To give insight into this data we have added a new object *Exchange Rates* based on the SAP table TCURR. The new object shows all the historical exchange rates of your company currencies and related ratios, ordered by exchange rate type and validity from

date. This will support data analysis based upon historical exchange rates and efficient exchange rate master data maintenance.

S2D: Work Order & Operation, added fields MRP Controller and Purchasing Group from Material on Production Plant

We have added the fields *MRP controller* and *Purchasing Group* from the *Material on Production Plant* to the objects *Work Order* and *Operations*. In most cases there is no difference between the *Planning plant* and *Production plant* data. However, sometimes the data is different, g.e. in subcontracting scenarios.

S2D: Getting insight into Control Cycle(s) / Supply Area(s)

Control cycle can be used to define for your plant the production storage bin in which a certain material is to be staged for production and with which staging type, within a production supply area. Multiple control cycles can be assigned to a Material Plant, e.g. when the same material can be consumed by different production lines. To stay in control of this planning data we have introduced a new field in the object Material on Plant level: *ControlCycle_SupplyArea*. This field shows all the Control Cycle(s) and the Supply Area(s) that are applicable to the Material on Plant combination.

S2D: Description of MRP Area

In the A4S model, the *MRP Area* field was already available [BERID]. This shows the MRP Area id/code. Now we have also added the field *MRP Area Description* [BERTX], making it easier to identify the location/purpose of the different MRP areas. This field has been made available in every object containing the MRP Area field, like *Material on MRP Area Level*, *Safety Stock Demand*, *Storage Location* and so on.

O2C: New reference added from object Material on Sales Level to Material

A new reference has been added from the object *Material on Sales Level* to the object *Material*. This will further extend the flexibility of the A4S model to answer all different types of business questions.

System Insights/EA4IT: New fields added to objects Datastores and Automation Tasks

To improve the control on the Angle Exports and Automated Tasks, we have added two new fields to the objects Datastores and Automation Tasks:

- Created By
- Created On

O2C: Getting insight into shipment loading rescheduling

Are loading activities started and finished according to plan? Or have they been rescheduled? To provide this insight we have added the following new fields to the object Shipment Header:

- Loading Difference Start: displays the difference between the planned start date and time versus the actual start date and start time for loading.
- Loading Difference End: displays the difference between the planned end date and time versus the actual end date and time for loading.

The value of both fields is displayed as a timespan and will give you immediate insight into the performance of the planned loading activities. Both fields are available in three variants: dd:hh:mm / hours / minutes. Also, a new display is added to the template Shipment Header named 'Loading Activities; Planned vs Actual'.

S2D: SAP field project number not available, affecting project-references.

The SAP field project number (AFKO-PRONR) data was not available in the extraction, returning an empty field. But also effecting project references from classes like Workorder, Reservation item, Operation etc. to the classes "Project" and "WBS element" from the A4S module Project Basics. This has now been fixed, making project number-based analysis available again.

Fixed issues

System Insights: field Duration does not work

The field Duration was returning a blank or incorrect result. This has now been resolved. The field Duration is available in the objects *Modelload*, Phases, Classes and Extraction and is calculated by the difference between the finish and start time, rounded to seconds.

Batch changes not available in S/4 Hana

Changes to Batches are stored differently when using an ECC or S/4 Hana system. The batch changes for S/4 Hana systems were not available in A4S. This has now been fixed.

OTIF calculation, angle / export fail

In some cases, angles with OTIF related calculations failed at execution or export. This has now been resolved.

Users getting logged out while still being active

User sessions should not expire if the user is interacting with the system. This was not implemented correctly throughout the system. Users could be logged out unexpectedly after the

initial session expiration time, while still having used the system recently. This has been fixed, so sessions expire after the timespan '*final activity + configured time*'.

Price Unit is empty in case of Quantity Scale conditions

In the case of Quantity Scale Conditions (A4S object Condition Record), the SAP field Price Unit (KONP-KPEIN) showed no data. This has now been resolved.

Restructure of SAP table IHPA (Plant Maintenance Partners) is not correct

The restructuring of table the SAP table IHPA (Plant Maintenance: Partners) was not always correct. Consequently, the field *Partner Role in Quality Notifications*, would show the *Created by* user instead of the name of the Partner specified in SAP. This has now been fixed.

ONC fails to complete

Fixed server a server crash caused by invalid data. Improved the logic to prevent the server from crashing in case of invalid data and simplified the root cause analysis (stack-trace).

Reference from Invoice Receipt Item to First Accounting Document incorrect

The reference from *Invoice Receipt Item* to *First Accounting Document* resulted in errors in the server log in case the F2R module (Finance) was not activated. This has now been resolved.

IT user - Fixes and improvements

System Insights / EA4IT: Angle warnings on EA4IT - Performance Dashboard – Functional

After activating the EA4IT packages in the EA4IT model, the EA4IT *Performance Dashboard - Functional* was showing Angle warnings. This has now been fixed.