Product Assistance for SAP S/4HANA for Accounting Integration
Release 1907, Support Package 4
# Content

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SAP S/4HANA for Accounting Integration


SAP S/4HANA for accounting integration orchestrates the lifecycle of business processes in accounting for leasing contracts in the lessor scenario. The solution receives source data from an external system, processes and enriches it as necessary, and then passes the prepared data in the required format to integrated applications in SAP S/4HANA Finance.

Working in Accounting Integration

You can use the following SAP Fiori apps when working in SAP S/4HANA for accounting integration:

- **Display Accounting Integration Contracts**
  This app allows you to view contract item data received from an external contract management system and oversee processing in integrated applications.

- **Display Contract Items for Leasing**
  This app allows you to view leasing contract items received from an external contract management system and oversee processing in integrated applications. You can also access all accounting documents associated with a leasing contract item.

- **Analyze Journal Entry Items for Leasing**
  This app gives you an overview of all accounting documents for leasing contract items. You can sort and group documents as necessary.

- **Monitor Accounting Integration Messages**
  This app enables you to monitor the data exchange and take corrective measures, if needed.

Implementation and Configuration

Implementation and configuration are necessary before you can start working with the apps. For more information, see the administration guide and the configuration guide for SAP S/4HANA for accounting integration available on SAP Help Portal at https://help.sap.com/sai.

Related Information

Displaying Accounting Integration Contracts [page 4]
Displaying Contract Items for Leasing [page 8]
Analyzing Journal Entry Items for Leasing [page 12]
Monitoring Accounting Integration Messages [page 13]
1.1 Document History

See what changes have been made to this document since it was first released.

<table>
<thead>
<tr>
<th>Date</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 20, 2021</td>
<td>Information about status reason codes and error message processing added in Overview of Message Processing [page 13].</td>
</tr>
<tr>
<td>July 15, 2020</td>
<td>A new section has been added: Tips and Recommendations [page 20].</td>
</tr>
</tbody>
</table>
| June 17, 2020   | Two new apps are available as of feature package 3 for SAP S/4HANA for accounting integration:  
                                ● Display Contract Items for Leasing [page 22]  
                                ● Analyze Journal Entry Items for Leasing [page 23] |
| November 8, 2019| New status (Partially Processed, Waiting for Resolution) for message monitoring added:  
                                ● Overview of Message Processing [page 13]  
                                ● Performing Message Monitoring Tasks [page 15]  
                                ● Overview of Item Data Status [page 18] |
| July 26, 2019   | New version for release 1907.                                           |

1.2 Displaying Accounting Integration Contracts

In the Display Accounting Integration Contracts app, you can view contract items replicated from an external contract management system to SAP S/4HANA for accounting integration.

Overview of Contracts

The contract overview lists all contracts that have been imported into SAP S/4HANA for accounting integration.
You can do the following here:

- Check the overall processing status of each contract.
- Sort and filter the list of contracts.
- Choose an entry to access contract item details.

→ Recommendation

Choose [Adapt Filters](#) and/or [Settings](#) to adapt the table layout to suit your needs. If you use the same layout often, save it as your personalized view.

**Contract Item Details**

You can choose an entry in the contract overview to take a closer look at the details for a contract item. The detailed view provides the following tabs:

<table>
<thead>
<tr>
<th>Tab Title</th>
<th>What It Shows</th>
</tr>
</thead>
</table>
| **Item Data** | • Master data for a contract item, such as relevant dates, account assignments, and asset information.  
• Amount types and conditions  
• Cash flow data received from the external contract management system |
| Accounting principle (such as IFRS or LOCA) | • A tab is shown for each accounting principle assigned to your company code.  
• You can then check how the contract item data is processed according to different accounting principles, for example, the classification result, asset accounting, and relevant accruals. |

**Note**

If tracing has been activated in Customizing, you can access the BRFplus trace log for the classification result directly from the app. You can use the log to check the process rules that led to the classification result.

You can set the trace level in Customizing by accessing **System Settings** > **Settings for Tracing and Logging** > **Configure Logging**.
<table>
<thead>
<tr>
<th>Tab Title</th>
<th>What It Shows</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tabs for leasing options as implemented</td>
<td>Depending upon your implementation, different tabs for leasing option are also shown. For example, if the contract includes an option for the lessee to purchase the leased object or terminate the leasing contract early, the tabs Termination Without Return and Termination With Return are shown.</td>
</tr>
</tbody>
</table>
| Processed Values                              | • Shows you the actual values that have been determined with the value IDs used in each process that affects a contract item.  
• Lists the cash flows calculated for a contract item on the basis of settings in Customizing.                                                                                       |
1.2.1 Process Overview for a Contract Item

When you access the details for a contract item, the Display Accounting Integration Contracts app gives you an overview of each process that references the item, in chronological order. This timeline reflects each process-related change in a contract item.

Note the following here:

- Each entry shows the type of process, the time and date of processing, and the effective date.
- Each process has its own set of detailed data and processed values. The respective data for a process is shown at the right in the app.
- You can use the Include Reversed button to hide or display process reversals for a contract item.

The processes themselves are defined in Customizing. For more information, see the configuration guide available at https://help.sap.com/sai.

1.2.2 Processed Values Tab

The Processed Values tab in the Display Accounting Integration Contracts app shows you the actual values determined using the value IDs included in each process for a particular contract item. An additional table lists the cash flows calculated for the item.

Value IDs

Value IDs are defined in Customizing for SAP S/4HANA for accounting integration under Value Determination ➤ Value ID Determination. The Processed Values tab provides the following information about value IDs:

<table>
<thead>
<tr>
<th>Column</th>
<th>What It Means</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value ID Name</td>
<td>Identifies the value ID as defined in Customizing.</td>
</tr>
<tr>
<td></td>
<td>You can use this identifier to find the value ID in the overview of all value IDs defined in the system.</td>
</tr>
<tr>
<td>Value ID Content</td>
<td>Shows the value determined using the value ID.</td>
</tr>
<tr>
<td></td>
<td>The determination method used is specified in Customizing.</td>
</tr>
<tr>
<td>Copied from Referenced Process Version</td>
<td>Indicates whether the value shown was copied from a preceding process.</td>
</tr>
<tr>
<td></td>
<td>For example, this allows you to use values that have been determined for a new lease in a subsequent continuation, if necessary.</td>
</tr>
</tbody>
</table>
Cash Flows

This table lists all cash flows generated for a contract item. Cash flows are defined in Customizing under
Value Determination ➤ Cash Flows.

The raw cash flow replicated from an external contract management system is shown in the Item Data tab.

1.3 Displaying Contract Items for Leasing

In the Display Contract Items for Leasing app, you can obtain detailed information about leasing contract items
replicated from an external contract management system to SAP S/4HANA for accounting integration.

Overview of Leasing Contract Items

The overview lists all leasing contract items that have been imported into SAP S/4HANA for accounting
integration.

i Note

This app is only relevant for the business scenario associated with the LSOR application component.

You can do the following here:

- Check the overall processing status of each contract item.
- Sort and filter the list of contract items.
- To access contract item details, choose an entry in the list.
  If you choose the contract number, you open the contract view in the Display Accounting Integration
Contracts app.

→ Recommendation

The app is delivered with a default layout. Choose Adapt Filters and Settings to adapt the table layout to suit
your needs. If you use the same layout often, you can save it as your personalized view.

Searching for Leasing Contract Items

The app provides a search field that you can use to find leasing contract items. You can use this fuzzy search to
find items that are similar and identical to your search terms.

When using the fuzzy search, the following fields in the app are evaluated:

- Asset
- Contract
**Contract Item Details**

You can choose an entry in the overview to take a closer look at the details for a leasing contract item. The detailed view provides the following tabs:

<table>
<thead>
<tr>
<th>Tab Title</th>
<th>What It Shows</th>
</tr>
</thead>
</table>
| **Processes**      | Gives you an overview of each process that references the item, in chronological order. This timeline reflects each process-related change in a contract item.  
Note the following here:  
• Each entry shows the type of process, the time and date of processing, and the effective date.  
• Each process has its own set of detailed data and processed values. The respective data for a process is shown at the right in the app.  
• You can use the *Include Reversed* button to hide or display process reversals for a contract item.  
You can use *Settings* to select the columns to be shown in the view.  
The processes themselves are defined in Customizing. For more information, see the configuration guide available at https://help.sap.com/sai. |
| **Journal Entry Items** | Gives you an immediate overview of all accounting documents associated with a contract item for leasing, including sums in the company code currency.  
You can use *Settings* to select the columns to be shown in the view. |
| **Item Data**       | • Master data for a contract item, such as relevant dates, account assignments, and asset information.  
• Amount types and conditions  
• Cash flow data received from the external contract management system |
Table Title | What It Shows
--- | ---
Accounting principle (such as IFRS or LOCA) | • A tab is shown for each accounting principle assigned to your company code.
• You can then check how the contract item data is processed according to different accounting principles, for example, the classification result, asset accounting, and relevant accruals.

**i Note**
If tracing has been activated in Customizing, you can access the BRFplus trace log for the classification result directly from the app. You can use the log to check the process rules that led to the classification result.
You can set the trace level in Customizing by accessing System Settings > Settings for Tracing and Logging > Configure Logging.

Tabs for leasing option as implemented | Depending upon your implementation, different tabs for leasing options are also shown.
For example, if the contract to which the item belongs includes an option for the lessee to purchase the leased object or terminate the leasing contract early, the tabs Termination Without Return and Termination With Return are shown.

Processed Values | • Shows you the actual values that have been determined with the value IDs used in each process that affects a contract item.
• Lists the cash flows calculated for a contract item on the basis of settings in Customizing.

**Navigation to Other Apps and Information**
You can use the detailed view to access the following additional information:
• Click the Messages link to open the Monitor Accounting Integration Messages app. This app helps you find out more about contract items with errors and make necessary corrections.
• If a contract item has been processed in SAP S/4HANA for accounting integration, a Log link is available. If no log is available, an error occurred in the SAP Application Interface Framework layer. In this case, you can check the item in the Monitor Accounting Integration Messages app. This app provides a link to the AIF log.
• If an asset has been created for a contract item, the asset number is shown as a link. You can use this link to open the Asset Explorer.
• If a one-time posting has been created, the document number is shown as a link. You can use this link to open the Manage Journal Entries app.
1.3.1 Process Overview for a Contract Item for Leasing

When you access the details for a leasing contract item, the Display Contract Items for Leasing app gives you an overview of each process that references the item, in chronological order. This timeline reflects each process-related change in a leasing contract item.

Note the following here:

- Each entry shows the type of process, the time and date of processing, and the effective date.
- Each process has its own set of detailed data and processed values. The respective data for a process is shown at the right in the app.
- You can use the Include Reversed button to hide or display process reversals for a contract item.
- You can use Settings to select the columns to be shown in the view.

1.3.2 Processed Values Tab for a Contract Item for Leasing

The Processed Values tab in the Display Contract Items for Leasing app shows you the actual values determined using the value IDs included in each process for a particular leasing contract item. An additional table lists the cash flows calculated for the item.

Value IDs

Value IDs are defined in Customizing for SAP S/4HANA for accounting integration under [Value Determination ➤ Value ID Determination](#). The Processed Values tab provides the following information about value IDs:

<table>
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<th>Column</th>
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<td>For example, this allows you to use values that have been determined for a new lease in a subsequent continuation, if necessary.</td>
</tr>
</tbody>
</table>
Cash Flows

This table lists all cash flows generated for a contract item for leasing. Cash flows are defined in Customizing under [Value Determination] [Cash Flows].

The raw cash flow replicated from an external contract management system is shown in the Item Data tab.

1.4 Analyzing Journal Entry Items for Leasing

In the Analyzing Journal Entry Items for Leasing app, you can display accounting documents associated with leasing contract items received in SAP S/4HANA for accounting integration.

Overview of Journal Entry Items

The overview lists all accounting documents associated with contract items for leasing that have been imported into SAP S/4HANA for accounting integration.

- Note

This app is only relevant for the business scenario associated with the LSOR application component.

You can do the following here:

- Sort and filter the list of documents.
- Choose the document number for additional information.

Depending upon the roles assigned to your user, you can either access the transaction FB01 for displaying financial documents or you also have the option to branch to additional apps such as Journal Entry Analyzer and Manage Journal Entries.

- Recommendation

The app is delivered with a default layout. Choose Adapt Filters and Settings to adapt the table layout to suit your needs. If you use the same layout often, save it as your personalized view.

Searching for Accounting Documents

The app provides a search field that you can use to find accounting documents. You can use this fuzzy search to find documents that are similar and identical to your search terms.

When using the fuzzy search, the following columns in the app are evaluated:

- Asset
- Assignment
1.5 Monitoring Accounting Integration Messages

In the Monitor Accounting Integration Messages app, you can check the processing of contract items, find potential bottlenecks, and correct any errors that may have occurred.

Contract item data sent from an external contract management system is only processed if its Overall Status is set to Successful.

We recommend that you use this app regularly to ensure that incoming data is being processed correctly.

Related Information

- Overview of Message Processing [page 13]
- Performing Message Monitoring Tasks [page 15]
- Overview of Item Data Status [page 18]

1.5.1 Overview of Message Processing

Business processes that are sent for a contract item from an external contract management system are only processed if the Overall Status is set to Successful. The following describes the checks and validation steps carried out on incoming contract item data.

Preliminary Checks in SAP Application Interface Framework

In a first step in the so-called AIF (SAP Application Interface Framework) layer, preliminary checks are carried out to ensure the suitability of the data transferred.
This includes the following checks:

- Is the correct format used for date fields?
- Is the *From Date* for a billing period earlier than the *To Date*?
- Are all required fields filled?

The AIF layer then maps the data received to fields and structures, so that it can be processed from a business point of view in the SAP S/4HANA for accounting integration layer.

**Note**

SAP S/4HANA for accounting integration uses AIF events to implement specific handling for checking and mapping. This also includes customer BAdIs. Note that standard AIF structure mapping and subsequent editability of messages is not supported.

If a referenced business process contains an error, SAP S/4HANA for accounting integration does not allow a new business process to enter the system.

### Processing in SAP S/4HANA for Accounting Integration Component

If checking and mapping have been conducted successfully, SAP S/4HANA for accounting integration component processing is called:

- In a first step, the system checks if the business process can be boarded. If this is the case, the SAP system triggers data replication to the persistency layer of SAP S/4HANA for accounting integration.
- In parallel, a process entry is written on the database.

If these steps can be executed successfully, the AIF status is set to *Successful*. The SAP S/4HANA for accounting integration component then takes on further processing of the business process. The processing itself is initiated in an asynchronous step for immediate processing.

- If an error is found, the *AIF Status* for the item data is set to *Application Error*.
- If the AIF checks do not find any errors, the data is passed on to the second processing step.

### Validation of Business Content of Contract Item Data

In a second step, the business content of the item data received is validated in the SAP S/4HANA for accounting integration layer.

- If execution of the business process in SAP S/4HANA for accounting integration yields an error, the *SAI Status* for the contract item data is set to *Error During Processing, Restart Necessary*.
- If the system determines that an additional requirement must be fulfilled in order to fully execute the business process, the *SAI Status* for the contract item data is set to *Partially Processed, Waiting for Resolution*.
- If SAP S/4HANA for accounting integration has been configured appropriately and all necessary business process data is available, SAP S/4HANA for accounting integration triggers the configured steps for the following, as necessary:
  - Classification of the process
The data received is mapped to the relevant fields in Asset Accounting, accruals, or in the general ledger. If an error occurs either in the AIF layer or in the SAP S/4HANA for accounting integration layer, the overall status is set to Error. Otherwise, the overall status is shown as Successful.

The Monitor Accounting Integration Messages app can also display a status reason code for messages of the following status types:

- **Error During Processing, Restart Necessary**
- **Partially Processed, Waiting for Resolution**

The reason code and its description provide additional information about what caused the error. Status reason codes are defined in Customizing for SAP S/4HANA for accounting integration under System Settings. You can also map status reason codes to specific messages under System Settings ➔ Settings for Error Processing. For more information, see the Customizing activities.

It is important to react promptly to errors in contract item data:

- **In the implementation phase**, the errors might result from incorrect or insufficient mapping information needed for the data transfer to take place.
- **Instructions** from external contract management systems to create or change business processes are always processed in the sequence in which they are received in SAP S/4HANA for accounting integration. Therefore, if a one set of contract item data is not sent, any subsequent item data change requests are queued. They are not processed until the preceding item data line is processed. If you do not resolve errors in business processes, this may cause a bottleneck that stops the queue of business processes relating to the same contract item.

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**Related Information**

Performing Message Monitoring Tasks [page 15]
Overview of Item Data Status [page 18]

### 1.5.2 Performing Message Monitoring Tasks

We recommend that you carry out the following steps regularly to deal with processing errors in contract item data.

1. Open the Monitor Accounting Integration Messages app in the SAP Fiori launchpad.
2. Filter the contract item data by the Overall Status, setting Error as the value to filter by.
3. After filtering, the app shows you all contract item data for which one of the following applies:
   - The information received from the SAP Application Interface Framework (AIF layer) cannot be processed. This may be due to formatting or mapping errors, for example.
○ The information received could not be processed in SAP S/4HANA for accounting integration (SAI layer). This may be due to errors detected in the configuration of accounting integration, or due to the current set-up of the receiving accounting system.

4. Start by looking at the oldest error messages first, that is, the entries at the bottom of the list.

<table>
<thead>
<tr>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>By removing the cause of errors in older item data (for example, by adding missing mapping information), you might also correct errors in item data that was sent more recently.</td>
</tr>
</tbody>
</table>

5. For each contract item data entry with errors, choose Log for a list of the relevant messages.

<table>
<thead>
<tr>
<th>Tip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Click an error message to check for additional information about what caused the error and how to fix it.</td>
</tr>
</tbody>
</table>

6. Depending on the scenario, different actions are possible:

<table>
<thead>
<tr>
<th>Situation</th>
<th>Possible Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>A business process was received, but could not be handed over to SAP S/4HANA for accounting integration. The AIF status is Application Error.</td>
<td>○ Try to restart. This might be useful if: ○ The error occurred because of locking issues. ○ You resolved a problem with a preceding business process to which the current process is related. ○ Choose Cancel and then trigger another replication from the external contract management system. This can help, for example, to resolve problems with missing data.</td>
</tr>
</tbody>
</table>

| A business process was executed in SAP S/4HANA for accounting integration, but resulted in an error. The AIF status is Successful, but the SAI status is Error During Processing, Restart Necessary. The status reason provides additional information about the cause. | ○ Analyze the current problem using the application log, resolve possible errors, and then choose Restart to re-trigger processing of the entry. ○ Trigger a partial reversal of the business process by choosing Reverse. The system rolls back the already executed business process steps and creates a cloned entry that has the status Waiting for Processing. This is especially useful if you need time to resolve issues and want to avoid existence of a business process that is partially executed in SAP S/4HANA Finance. |
A business process was executed in SAP S/4HANA for accounting integration, but an additional condition must be fulfilled to complete processing.

The AIF status is **Successful**, but the SAI status is **Partially Processed, Waiting for Resolution**. The status reason provides additional information about the cause.

This situation is usually resolved automatically when the system receives an external trigger signaling that the additional condition has been met. For example, this might be information about the successful completion of invoicing. The relevant conditions and status reason codes are defined as part of your individual configuration of SAP S/4HANA for accounting integration.

However, you can also try the following:

- Analyze the current problem using the application log, resolve possible errors, and then choose Restart to re-trigger processing of the entry.
- Trigger a partial reversal of the business process by choosing Reverse. The system rolls back the already executed business process steps and creates a cloned entry that has the status **Waiting for Processing**. This is especially useful if you need time to resolve issues and want to avoid existence of a business process that is partially executed in SAP S/4HANA Finance.

A business process has the status **Waiting for Processing**, which is normally a result of a manual intervention in the error situation described in the preceding row.

- Resolve possible errors and then choose Restart to restart entry processing.
- Choose Cancel, then trigger another replication from the external contract management system. This can help, for example, to resolve problems with missing data.

A business process has the overall status **In Processing** and remains unchanged for a significant amount of time.

- Check for dumps using transaction ST22 and use transaction SM13 to see if any database errors have occurred.
- If you detect a dump or database error, unlock the business process using the report /SAI/RDSPROCUNLOCK Unlocking of Processes (transaction /SAI/DSPROCUNLOCK).
- Then you can decide whether to restart or cancel the business process.
A business process was executed successfully in SAP S/4HANA for accounting integration, but must be reversed for business reasons.

This might be necessary if the external contract management system cannot send a reversal business process, but wants to send a new snapshot of the business process to be executed.

- Reverse the business process by choosing Reverse.
- The status of the process itself does not change, as the system is creating a reversal process in the background.
- The reversal is apparent in the Reversal Timestamp.
- You can also check the reversal data in the Display Accounting Integration Contracts app.
- Trigger another replication from the external contract management system to keep the replication cycle intact. Note that the new business process cannot be related to the reversed process.

7. Work your way up to the more recent error messages until you have processed them all.

Related Information

Overview of Item Data Status [page 18]

1.5.3 Overview of Item Data Status

The Monitor Accounting Integration Messages app displays a status at three different levels for each item data entry:

- **AIF Status** (status in SAP Application Interface Framework)
- **SAI Status** (status in SAP S/4HANA for accounting integration)
- **Overall Status**

The **AIF Status** shows the outcome of the preliminary checks and mapping steps and indicates whether the business process could be handed over to SAP S/4HANA for accounting integration.

<table>
<thead>
<tr>
<th>AIF Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Successful</td>
<td>AIF checks and mapping have been completed without errors and the handover to SAP S/4HANA for accounting integration is complete.</td>
</tr>
<tr>
<td>Application Error</td>
<td>Indicates that there is an application error in checking and mapping.</td>
</tr>
<tr>
<td>In Process</td>
<td>AIF checks and mapping have started, but have not yet been completed.</td>
</tr>
<tr>
<td>Canceled</td>
<td>The business process has been set to canceled.</td>
</tr>
</tbody>
</table>
The SAI Status shows the outcome of the processing from a business point of view.

<table>
<thead>
<tr>
<th>SAI Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processed Successfully</td>
<td>The business process has been successfully executed and all integrated applications have been processed.</td>
</tr>
<tr>
<td>Error During Processing, Restart Necessary</td>
<td>An error occurred. You should have a look at the error log. You can try to restart the business process or cancel the process.</td>
</tr>
<tr>
<td>Partially Processed, Waiting for Resolution</td>
<td>The business process has not yet been fully processed. The process waits for additional information before processing continues.</td>
</tr>
<tr>
<td>Process Split Processed Successfully</td>
<td>If a business process must be split into two business processes, the original business process receives this status after successful processing.</td>
</tr>
<tr>
<td>In Processing</td>
<td>Processing is underway. If this status remains unchanged for a significant amount of time, then an error may have occurred.</td>
</tr>
<tr>
<td>Processing Not Possible</td>
<td>If you reverse a business process for which an error has occurred, the system creates a new business process that waits for processing. If you then decide to cancel the business process, the process receives the status Processing Not Possible.</td>
</tr>
</tbody>
</table>

The Overall Status is a combination of the AIF Status and the SAI Status.

<table>
<thead>
<tr>
<th>Overall Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Successful</td>
<td>All AIF and SAI processing steps were completed without errors.</td>
</tr>
<tr>
<td>Error</td>
<td>Either the AIF status or the SAI status shows errors that require attention.</td>
</tr>
<tr>
<td>Waiting for Processing</td>
<td></td>
</tr>
<tr>
<td>Partially Processed, Waiting for Resolution</td>
<td>An SAI processing step is waiting for additional information. When this is available, processing continues.</td>
</tr>
<tr>
<td>In Processing</td>
<td>Either the AIF processing steps or the SAI processing steps have started, but have not yet been completed.</td>
</tr>
</tbody>
</table>
Related Information

Performing Message Monitoring Tasks [page 15]

1.6  Tips and Recommendations

Here are some general tips and recommendations for working with SAP S/4HANA for accounting integration.

Finding the Contract Number After a Periodic Accrual Run

After you have completed a periodic accrual run using transaction /SAI/ACELSOR_PERPOST, you may need the corresponding contract number for troubleshooting purposes.

You can access the contract number as follows:

1. After running the report, double-click the entry in the Accrual Object column.
   The detailed information shown includes the relevant contract number.
2. You can then also use the link provided for the contract number to open the Display Accounting Integration Contracts app.

1.7  Apps in SAP S/4HANA for Accounting Integration

This section describes key features and supported device types for the apps provided as part of SAP S/4HANA for accounting integration.

→ Tip

The app descriptions provided here include a direct link to the app entry in the SAP Fiori apps reference library.

Related Information

Display Accounting Integration Contracts [page 21]
Display Contract Items for Leasing [page 22]
Monitor Accounting Integration Messages [page 24]
Analyze Journal Entry Items for Leasing [page 23]
### 1.7.1 Display Accounting Integration Contracts

With this app you can view contract items received in SAP S/4HANA for accounting integration.

#### Key Features

You can use this app to:

- Display contract header and item data.
- View the processing status of the contracts.
- Sort and filter the list of contracts to suit your needs.
- Branch to Monitor Accounting Integration Messages to find out more about contracts with errors and make the necessary corrections.

In addition, the app supports the following technical features and options:

#### Supported Device Types

- Desktop

#### Implementation Information

For implementation information specific to the app, see the entry in the SAP Fiori apps reference library (F3369).

For additional information, see SAP Fiori Apps in the Administration Guide for SAP S/4HANA for accounting integration.

#### App History

**Note**

Starting with the initial delivery date, the app is delivered with each support package or feature package of the respective SAP Fiori product. This document only lists support packages or feature packages in which the app has been enhanced or changed. If the app was not changed in a particular support package or feature package, then the respective package is not mentioned in this document.

**SAP S/4HANA for accounting integration, 1.0 (Delivery Date 06/2018)**

Initial delivery for SAP S/4HANA for accounting integration 1.0.
1.7.2 Display Contract Items for Leasing

This app enables you to view leasing contract items received in SAP S/4HANA for accounting integration and access accounting documents associated with a contract item. Note that this app is only relevant for the business scenario associated with the LSOR application component.

Key Features

You can use this app to:

- Display contract item data.
- View the processing status of contract items.
- Sort and filter the list of contract items to suit your needs.
- Use fuzzy search functionality to find contract items.
- Access all accounting documents associated with a contract item.
- Branch to Monitor Accounting Integration Messages to find out more about contract items with errors and make the necessary corrections.

Supported Device Types

- Desktop

Implementation Information

For implementation information specific to the app, see the entry in the SAP Fiori apps reference library (F5005).

For additional information, see SAP Fiori Apps in the Administration Guide for SAP S/4HANA for accounting integration.

App History

i Note

Starting with the initial delivery date, the app is delivered with each support package or feature package of the respective SAP Fiori product. This document only lists support packages or feature packages in which the app has been enhanced or changed. If the app was not changed in a particular support package or feature package, then the respective package is not mentioned in this document.
1.7.3 Analyze Journal Entry Items for Leasing

This app enables you to display accounting documents associated with leasing contract items received in SAP S/4HANA for accounting integration. Note that this app is only relevant for the business scenario associated with the LSOR application component.

Key Features

You can use this app to:

- Find accounting documents associated with leasing contracts.
- Sort and filter the list of documents to suit your needs.
- Use fuzzy search functionality to find accounting documents.
- Depending upon the roles assigned to your user, you can either access the transaction FB01 for displaying financial documents or you also have the option to branch to additional apps such as Journal Entry Analyzer and Manage Journal Entries.

Supported Device Types

- Desktop

Implementation Information

For implementation information specific to the app, see the entry in the SAP Fiori apps reference library (F5006).

For additional information, see SAP Fiori Apps in the Administration Guide for SAP S/4HANA for accounting integration.

App History

i Note

Starting with the initial delivery date, the app is delivered with each support package or feature package of the respective SAP Fiori product. This document only lists support packages or feature packages in which
1.7.4 Monitor Accounting Integration Messages

With this app, you can monitor contract item data sent from an external contract management system.

**Key Features**

You can use this app to:

- Check the status of the integration messages.
- Branch to the Display Accounting Integration Contracts app to see contract item details.
- Branch to the SAP Application Interface Framework error handling log.
- If you have sufficient authorization, you can restart, cancel, or reverse the processing of contract item data.

In addition, the app supports the following technical features and options:

**Supported Device Types**

- Desktop

**Implementation Information**

For implementation information specific to the app, see the entry in the SAP Fiori apps reference library (F5004).

For additional information, see SAP Fiori Apps in the Administration Guide for SAP S/4HANA for accounting integration.

**App History**

i Note

Starting with the initial delivery date, the app is delivered with each support package or feature package of the respective SAP Fiori product. This document only lists support packages or feature packages in which the app has been enhanced or changed. If the app was not changed in a particular support package or feature package, then the respective package is not mentioned in this document.
the app has been enhanced or changed. If the app was not changed in a particular support package or feature package, then the respective package is not mentioned in this document.

SAP S/4HANA for accounting integration, FP03 (Delivery Date 06/2020)
As of FP03, this app has a new app ID. The new app ID is F5004. Previously, the app ID was F3369.

SAP S/4HANA for accounting integration, 1.0 (Delivery Date 06/2018)
Initial delivery for SAP S/4HANA for accounting integration 1.0.

1.8 Glossary
The following glossary provides the main terms and definitions relevant for working with SAP S/4HANA for accounting integration.

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>accounting principle</td>
<td>A set of rules and principles for legal accounting and financial statements. Examples of accounting principles are:</td>
</tr>
<tr>
<td></td>
<td>• International Accounting Standards (IAS)</td>
</tr>
<tr>
<td></td>
<td>• Generally Accepted Accounting Principles (GAAP)</td>
</tr>
<tr>
<td></td>
<td>• German Commercial Code (HGB)</td>
</tr>
<tr>
<td>accrual type</td>
<td>Characteristic in the Accrual Engine that controls the calculation of amounts for accruals and deferrals, and their posting based on accounting considerations.</td>
</tr>
<tr>
<td></td>
<td>The accrual type classifies the accrual items, for example as:</td>
</tr>
<tr>
<td></td>
<td>• Costs</td>
</tr>
<tr>
<td></td>
<td>• Revenue</td>
</tr>
<tr>
<td></td>
<td>• Receivables</td>
</tr>
<tr>
<td>acquisition cost</td>
<td>The upper limit for valuation of an asset in the balance sheet. For external acquisitions, acquisition costs include all expenses for the acquisition including incidental acquisition costs, minus reductions to the purchase price.</td>
</tr>
<tr>
<td>Term</td>
<td>Definition</td>
</tr>
<tr>
<td>--------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| amortization schedule | A cash flow that shows the repayment course of an initial liability or an amount financed in a leasing contract. The amortization schedule is based on periods and shows values such as:  
  - Payment amount and due date of the payment per period  
  - Interest per period  
  - Repayment amount per period  
  - Residual balance at the end of a period |
| amount financed     | The amount that a lessor must expend to acquire a leasing asset.                                                                                   |
| amount type         | A set of characteristics used to classify amounts for further processing and calculation. Common amount types include, for example, payments, interest, or acquisition and production costs. |
| application component | An entity used to define a set of structures, processes, and data relevant for a particular business scenario.                                      |
| business partner role | A classification of business partner that specifies the rights and responsibilities that a business partner can have in transactions.  
Examples of business partner roles include supplier, account, and employee. |
<p>| cash flow           | A collection of flows in chronological order (actual and planned records) that were generated or entered by the conditions in a financial transaction (for example annuity or interest, repayment). |
| cash flow category  | An identifier used to classify a cash flow entry from a business and financial perspective.                                                       |
| cash flow enrichment | The addition of a specific amount type to a cash flow at a given point in time.                                                                  |
| cash flow enrichment profile | A set of characteristics used to group cash flow enrichment activities for which the same configuration settings apply.                           |
| cash flow filter    | An object used to filter cash flow elements out of raw data received by an external (contract management) system.                                |
| cash flow filter profile | A set of characteristics used to group cash flow filters for which the same configuration settings apply.                                           |</p>
<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>company code</td>
<td>The smallest organizational unit of Financial Accounting for which a complete self-contained set of accounts can be drawn up for purposes of external reporting. This includes recording of all relevant transactions and generating all supporting documents required for financial statements.</td>
</tr>
<tr>
<td>contract type</td>
<td>A characteristic used to categorize a contract. This can be used to influence mapping and determination of values based on contract data.</td>
</tr>
<tr>
<td>derived accrual type</td>
<td>Indicator in the Accrual Engine that designates that an accrual type is based on another accrual type. For example, the accrual type could be the sum or difference of two other accrual types.</td>
</tr>
<tr>
<td>effective interest method</td>
<td>A procedure used to calculate the effective interest using a comparison account. There are a number of effective interest methods, and they differ in terms of the interest calculation method used, the interest capitalization times, and the type of interest calculation (linear or exponential).</td>
</tr>
<tr>
<td>fair value</td>
<td>The acquisition costs of a leased object, minus the impairment (for example, through depreciation) and plus possible value adjustments arising during the leasing period.</td>
</tr>
<tr>
<td>grouping key</td>
<td>A characteristic used to group company codes that are handled identically in terms of configuration.</td>
</tr>
<tr>
<td>guaranteed residual value</td>
<td>The residual value agreed upon between lessor and lessee. This will also be the purchase option price on the contract end date.</td>
</tr>
<tr>
<td>implementation class</td>
<td>An entity used to execute the logic required for a processing activity.</td>
</tr>
<tr>
<td>initial direct costs</td>
<td>Incremental costs that occur as a result of efforts for obtaining a lease. These are costs that would not have been incurred if the lease had not been acquired. Examples of such costs include legal fees or commissions.</td>
</tr>
<tr>
<td>integrated application</td>
<td>An application used to process data associated with a business process step.</td>
</tr>
<tr>
<td>Term</td>
<td>Definition</td>
</tr>
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<td>-------------------------------</td>
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</tr>
<tr>
<td>interest calculation method</td>
<td>A method used to determine the number of days for the interest calculation. The system determines the number of relevant days between two dates and defines the number of days in a year.</td>
</tr>
<tr>
<td></td>
<td><strong>Example:</strong> The method act/360 determines the number of calendar days between two dates and a year is defined as having 360 days.</td>
</tr>
<tr>
<td>internal rate of return</td>
<td>The percentage annual interest rate at which the remaining balance of the comparison account or the net present value is equal to zero.</td>
</tr>
<tr>
<td>lease classification</td>
<td>From an accounting point of view, a leasing contract must be classified either as a finance lease or as an operating lease. The rules specified by an accounting principle provide the basis for classification. Different accounting principles usually provide different classification rules. For example, a contract that is classified as a finance lease according to IFRS might be classified as an operating lease according to a local accounting principle.</td>
</tr>
<tr>
<td>net present value</td>
<td>The total of the present values for a financial transaction, which totals the discounted future payments and the initial investment point in time t=0. If you set the net present value of a financial transaction to a zero, then it is possible to determine the internal rate of return or effective interest rate.</td>
</tr>
<tr>
<td>one-time posting</td>
<td>A transaction that occurs only once instead of recurring over a period of time. For example, this might be used to post an initial direct cost associated with lease acquisition.</td>
</tr>
<tr>
<td></td>
<td><strong>Abbreviation:</strong> OTP</td>
</tr>
<tr>
<td>Term</td>
<td>Definition</td>
</tr>
<tr>
<td>----------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| present value        | The discounted value on a given date of a future payment or series of future payments. In the area of leasing, the present value calculation is used to determine the value of future payments on a specific key date. For example, a lessee must pay EUR 10,000 on December 31, 2019 and at the end of 2020. The lessee wants to know the (net) present value on January 1, 2015. Assuming a market interest rate of 5%, the present value of the payments can be calculated as follows:  
- For the first payment due on December 31, 2019, the present value on January 1, 2015 is EUR 7,835.26.  
- For the second payment due on December 31, 2020, the present value on January 1, 2015 is EUR 7,462.15.  
- The total net present value valid on January 1, 2015 is EUR 15,297.41. |
| process              | An entity that defines the subprocesses necessary to attain a specific result in a business scenario. Each process belongs to an application component. |
| processing activity  | An entity that defines an action for use in a business scenario. Activities are assigned to subprocesses.                                       |
| purchase option price| A predetermined price at which the lessee can purchase a contract object.                                                                     |
| residual value       | In the area of leasing, the estimated value of a leased object at a future point in time. In a leasing contract, the residual value is usually the value at the end of the leasing contract. The estimation of the residual value usually is based on:  
- Base price of the lease object  
- Lease term and the usage of the object during this term  
- Decrease of value of similar objects  
- The value of an object usually decreases during its useful life. In the area of leasing, two types of residual value are usually relevant:  
- Guaranteed residual value is the residual value agreed between lessor and lessee and will also be the purchase option price on the contract end date.  
- Unguaranteed residual value is the estimated fair market value on the contract end date. |
<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
</table>
| scrap value                 | A part of an asset’s value that is not depreciated. You can use one of these methods for scrap value (memo value):  
  - Deduct the scrap value from the base depreciation value before the start of depreciation calculation.  
  - Define the scrap value as a fixed value at which depreciation is stopped (cutoff value). You define the scrap value either as a set amount or as a percentage of APC (acquisition and production costs). |
| subprocess                  | An entity that defines process activities to be completed as part of a process in a specific business scenario.                                |
| termination charge          | A fee charged to the customer during the course of the termination.                                                                     |
| unguaranteed residual value | The estimated value of a leased object at a future point in time. In this case, this is the estimated fair market value on the contract end date. |
| useful life                 | The reasonable length of time expected for using the asset, depending on the individual depreciation area.  
  Within this time period, the asset should be written off completely. The actual technical life of the asset can exceed this time period.  
  The useful life expectancy for the various asset types is defined in depreciation tables. |
| value ID                    | An entity used to map data from a source to a target object. The value ID represents the business meaning of the values that belong to a value ID entity. The value flow is based on different value determination strategies. |
| work area                   | A structure that includes all the attributes required to handle the processes of a specific component. This also makes these attributes available to other subsequent components and processes. |
| work area element           | An element defined in a work area.                                                                                                      |
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