# Content

1  **Product Overview** ................................................................. 3
   1.1  Process Overview. ............................................................. 4
   1.2  Business Roles. ............................................................. 4
   1.3  Configuration Apps. ........................................................... 5
       Define Number Ranges. ...................................................... 5
       Manage Account Posting Types. ........................................... 8
       Assign Account Posting Types to Movement Types. ................. 10
       Manage Scheduled Jobs. .................................................... 14
       Manage Machine Learning Models. ....................................... 17
       Assign Exchange Partner Details. ......................................... 26
       Configure PDF Statements. .................................................. 29
       Manage Status Types. ........................................................ 31
       Upload Data. ................................................................. 34
       Manage Status Codes. ........................................................ 36
       Configure Stock Attributes. ............................................... 39
   1.4  Master Data and Transactional Data Apps. ............................... 42
       Manage Returnable Packaging Accounts. .................................. 43
       Manage Posting Documents. ............................................... 52
       Manage Inbound Statements. ............................................... 61
       Match Inbound Statements. ................................................ 66
       Manage Serial Numbers. ..................................................... 68
       View Returnable Materials. .................................................. 71
   1.5  Analytical Apps. ............................................................... 73
       Returnable Packaging Material - Overview. ............................. 73
       Returnable Process Overview. .............................................. 76
       View Rental Reports. ....................................................... 83
   1.6  Business Partner Apps. ...................................................... 86
       Download Statements. ....................................................... 86
   1.7  Components for Incidents. .................................................. 88
   1.8  API Payload for Returnable Packaging Management. .................. 88
       Payload Details for Posting Documents. .................................. 88
       Payload Details for Returnable Packaging Accounts. ................ 89
       Payload Details for Inbound Transactions. .............................. 91
       Payload Details for Inbound Statements. ................................ 92
1 Product Overview

SAP Returnable Packaging Management is a product on SAP Business Technology Platform for managing the logistics of reusable returnable packaging materials in a supply chain.

Reusable packaging materials such as containers, pallets, tanks, and load carriers are used to move products safely and efficiently between business partners. With this product, a packaging manager can find out the exact quantity and location of these reusable materials, thereby minimizing the chance of any loss, wastage, or damage of these packaging materials.

Key Painpoints in the Current Process

- Lack of transparency
- Demand and forecasting
- Account matching and manual adjustments
- Realtime tracking of returnable packaging materials
- Distinguishing between empty and full returnable packaging materials
- Integration with customer and vendor
- Rental costs
- Thefts and loss of returnable packaging materials
- Indirect cost due to the delay and shortage of returnable packaging materials

Key Features of this Product

With this product, you can track and manage the exchange balance of a returnable packaging material circulated between location partners and exchange partners.

Some important features of this product are:

- More transparency in managing the process of exchange of returnable packaging materials
- A centralized database is available for the original equipment manufacturer (OEM) and supplier
- A management dashboard is available where you get an overview of a returnable packaging material
- Integration to any enterprise resource planning (ERP) solution is possible with the help of APIs and file-based integration
1.1 Process Overview

The following figure represents a simple use case of how a returnable packaging material moves between a customer and a supplier:

1.2 Business Roles

All applications provide role templates. These role templates are used to create roles, which determine the authorization of users assigned to those roles. Roles are assigned to role collections, which are assigned to users or user groups.

The following business users are available in SAP Returnable Packaging Management:

- PackagingManager
- DataExportExpert
- ConfigurationExpert

For more information, see Defining and Bundling Roles.
1.3 Configuration Apps

Use the following apps to define the standard configuration settings in SAP Returnable Packaging Management.

- Define Number Ranges [page 5]
- Manage Account Posting Types [page 8]
- Assign Account Posting Types to Movement Types [page 10]
- Manage Scheduled Jobs [page 14]
- Manage Machine Learning Models [page 17]
- Assign Exchange Partner Details [page 26]
- Configure PDF Statements [page 29]

Ensure that you are assigned the relevant role. For more information on the available roles, see Defining and Bundling Roles.

i Note

For the creation of automatic posting documents, you must ensure that the mapping between the movement types and account posting types are available in your application. You can use the Account Posting Type to Movement Type Mapping API to create these mappings. For more information, see the SAP API Business Hub.

1.3.1 Define Number Ranges

With this application, you can define number ranges for the application subobjects (for example, automatic posting document, manual posting document, and returnable packaging account) that you use in SAP Returnable Packaging Management.

Key Features

You can use this app to:

- View a list of all number ranges that are defined for the various application subobjects, based on your filter criteria
- Create a number range
- Activate a number range
- Deactivate a number range
Supported Device Types

- Desktop
- Tablet
- Smartphone

Component for Customer Incidents

If you need support, open an incident under the relevant component mentioned in Components for Incidents [page 88].

Prerequisites

Ensure that you are assigned the relevant role specified in Defining and Bundling Roles.

1.3.1.1 Creating a Number Range

Context

To uniquely identify the various application subobjects (for example, returnable packaging account, manual posting document, automatic posting document), it is required that we define a number range and assign it to them. When an application subobject is created, the app automatically assigns a number in the sequential order from the number range interval that is active for that application subobject.

Procedure

1. On the SAP Fiori launchpad, choose Define Number Ranges.
2. Choose Create.
3. On the next screen, specify the following:
   - Application Information
     An application may have one or more subobjects for which you need to define number ranges. You may define separate number ranges for the individual subobjects in an application or define a common number range that is applicable to all subobjects within an application.
   - Number Range Information
     You can specify a prefix along with the lower limit and upper limit for the number range.
4. Choose **Save**.

The app creates a number range with **New** status.

**i Note**

A number range can have one of the following statuses:

- **New**
  
  This status indicates that a number range is newly created.

- **Active**
  
  This status indicates that a number range is active for one or more subobjects in an application.

- **Inactive**
  
  This status indicates that a number range is inactive and cannot be used for generating sequential numbers.

- **Consumed**
  
  This status indicates that a number range has already reached its upper limit and can no longer be activated and used.

The following status transition actions are allowed for number ranges:

<table>
<thead>
<tr>
<th>Status Transition</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>New</td>
<td></td>
<td>Active</td>
</tr>
<tr>
<td>Active</td>
<td></td>
<td>Inactive</td>
</tr>
<tr>
<td>Active</td>
<td></td>
<td>Consumed</td>
</tr>
<tr>
<td>Inactive</td>
<td></td>
<td>Active</td>
</tr>
<tr>
<td>Inactive</td>
<td></td>
<td>Consumed</td>
</tr>
</tbody>
</table>

### 1.3.1.2 Activating a Number Range

**Context**

When an application subobject is created, a sequential number is automatically assigned from the relevant active number range. You can define one or more number ranges for an application and an application subobject. However, only one number range can be active at a time if multiple entries exist.

**Procedure**

1. On the SAP Fiori launchpad, choose **Define Number Ranges** application.
The app displays a list of number ranges based on your filter criteria.

2. Select the number range that you wish to activate.

**Note**

You can only activate a number range with the following statuses:
- New
- Inactive

To deactivate a number range, select a number range and then choose *Deactivate*.

### 1.3.2 Manage Account Posting Types

With this app, you can create, edit, and delete account posting types. For each type of goods movement associated with a returnable packaging material, an account posting type needs to be defined. Whenever a posting document is created with an account posting type, the app updates the corresponding goods movement to the associated returnable packaging account.

#### Key Features

You can use this app to:
- View a list of all account posting types based on your filter criteria
- Create an account posting type
- Edit an account posting type
- Delete an account posting type
- Export details of account posting types to a spreadsheet

#### Supported Device Types

- Desktop
- Tablet
- Smartphone

#### Component for Customer Incidents

If you need support, open an incident under the relevant component mentioned in *Components for Incidents* [page 88].
Prerequisites

Ensure that you are assigned the relevant role specified in Defining and Bundling Roles.

1.3.2.1 Creating an Account Posting Type

Context

You can create account posting types to represent the various type of goods movement (for example, goods receipt, goods issue) associated with a returnable packaging material. It is used in posting documents to update the goods movement to the associated returnable packaging account.

Procedure

1. On the SAP Fiori launchpad, choose Manage Account Posting Types.
   The app displays a list of all account posting types based on your filter criteria.
2. Choose Create.
   The system displays a dialog box, where you can specify the account posting type.
3. On the next screen, enter appropriate data in the following sections:
   ○ Account Posting Type
     ○ General Details
     ○ Additional Details
4. Choose Save.
   An account posting type is newly created.

1.3.2.2 Editing an Account Posting Type

Context

You can change the field values (for example, account posting type description, reversal account posting) of existing account posting types, if required.
**Procedure**

1. On the SAP Fiori launchpad, choose *Manage Account Posting Types.*
   The app displays a list of all account posting types based on your filter criteria.
2. Click on the account posting type that you wish to edit.
   The app opens a new screen that has detailed information about the selected account posting type.
3. Choose *Edit.*
4. Edit the relevant fields and choose *Save.*
   The app saves the changes that you made to the account posting type.

**1.3.2.3 Deleting an Account Posting Type**

**Context**

You can delete an existing account posting type, if required.

**Procedure**

1. On the SAP Fiori launchpad, choose *Manage Account Posting Types.*
   The app displays a list of all account posting types based on your filter criteria.
2. Select one or more account posting types
3. Choose *Delete.*
   The app deletes selected account posting types.

**1.3.3 Assign Account Posting Types to Movement Types**

With this app, you can create, edit, view, and delete assignments. Each assignment defines an association between an account posting type and a combination of goods movement type, movement indicator, and receipt indicator.

**Key Features**

You can use this app to:
• View a list of all assignments based on your filter criteria
• View detailed information of each assignment
• Create an assignment
• Edit an assignment
• Delete an assignment

Supported Device Types

• Desktop
• Tablet
• Smartphone

Component for Customer Incidents

If you need support, open an incident under the relevant component mentioned in Components for Incidents [page 88].

Prerequisites

Ensure that:
• You are assigned the relevant role specified in Defining and Bundling Roles
• Relevant account posting types are defined in Manage Account Posting Types [page 8].

1.3.3.1 Creating an Assignment

Context

You create an assignment to map an account posting type to a combination of goods movement type, movement indicator, and receipt indicator.
Procedure

1. On the SAP Fiori launchpad, choose Assign Account Posting Types to Movement Types.
   The app displays a list of assignments based on your filter criteria.
2. Choose Create.
3. On the next screen, enter appropriate data in the Assignment Details tab page.
   The Assignment ID is generated by the system.
4. Choose Save.
   An assignment is newly created.

1.3.3.2 Editing an Assignment

Context

You can edit specific attributes of an already existing assignment.

Procedure

1. On the SAP Fiori launchpad, choose Assign Account Posting Types to Movement Types.
   The app displays a list of assignments based on your filter criteria.
2. Click on the assignment that you wish to edit.
   The app takes you to a screen that has detailed information about the selected assignment.
3. Choose Edit.
   Under Attachment Details, you can only edit the following fields:
   ○ Movement Type
   ○ Movement Type Description
   ○ Transaction Type
   ○ Movement Indicator
   ○ Receipt Indicator
   ○ Exchange Partner Type
   ○ Account Posting Type
4. Choose Save.
   The app saves the changes that you made to the assignment.
1.3.3.3  Viewing an Assignment

Context

You can view a list of all assignments along with detailed information for each of them.

Procedure

1. On the SAP Fiori launchpad, choose Assign Account Posting Types to Movement Types.

   The app displays a list of all assignments created. You can narrow down your search using filter fields. A few of them are Editing Status, Assignment ID, Movement Type, Movement Indicator, Receipt Indicator, and Transaction Type. You can also choose Adapt Filters to select additional filters, if required.

   To save your search parameters for use in future, choose Select View at the top left of the screen. The default view selected here is Standard. You can save and manage multiple views using the options available in the My Views dialog box.

2. Click on an assignment from the list.
   ○ In the next screen, you can view detailed information for each assignment.
   ○ To view a record of all changes made to this assignment, choose Change Log.

1.3.3.4  Deleting an Assignment

Context

You may have to delete an already created assignment if it is not valid anymore.

Procedure

1. On the SAP Fiori launchpad, choose Assign Account Posting Types to Movement Types.

   The app displays a list of assignments based on your filter criteria.

2. Select one or more assignments that you wish to delete.
3. Choose Delete.
Alternatively, you can click on an assignment, go to the details screen, and choose Delete after verifying the information.

1.3.4 Manage Scheduled Jobs

A scheduled job is any task that the system performs at a particular time period. You can schedule a job to run once or multiple number of times. With this app, you can specify when a job must run, activate, and deactivate jobs.

Key Features

You can use this app to:
- Specify when a job must run
- Activate a job
- Deactivate a job
- Run a job instantly

Supported Device Types

- Desktop
- Tablet
- Smartphone

Components for Customer Incidents

If you need support, open an incident under the relevant component mentioned in Components for Incidents [page 88]

Prerequisites

Ensure that you are assigned the Configuration Expert role. For more information on roles, see Defining and Bundling Roles
1.3.4.1 Available Jobs

*SAP Returnable Packaging Management* has the following scheduled jobs:

- **Rule Based Matching:**
  The job matches an inbound transaction to a posting document. The default run for this job is four hours, but you can update the schedule, as needed.

  → **Remember**
  
  When you update the schedule, the job executes immediately, and then executes based on the Repeat Interval.
  
  For example, if you update the schedule to three hours, the job executes once immediately, and then executes every three hours.

- **GLIM Based Matching:**
  The GLIM (Generic Line Item Matching) job matches an inbound transaction to a posting document and updates the relevant tables on the matching status - matched, unmatched, or partially matched.

  → **Note**
  
  At a time, only one job can be active.

1.3.4.2 Activating a Job

**Context**

For a scheduled job to run, it must first be active.

**Procedure**

1. On the SAP Fiori launchpad, choose *Manage Scheduled Jobs*.
2. Select the job that you wish to activate.
3. Choose *Activate*.

  → **Note**
  
  You can only activate a job that has the *Inactive* status.
1.3.4.3  Deactivating a Job

Context
If you do not want a scheduled job to run, the job must be disabled.

Procedure
1. On the SAP Fiori launchpad, choose Manage Scheduled Jobs.
2. Select the job that you wish to deactivate.
3. Choose Deactivate.
   
   **Note**
   You can only deactivate a job that has the Active status.

1.3.4.4  Updating a Job Schedule

Context
To set the job to run at a specific time period, edit the schedule.

Procedure
1. On the SAP Fiori launchpad, choose Manage Scheduled Jobs.
2. Select the scheduled job that you wish to edit.
3. Choose Update Schedule.
   
   The Update Schedule dialog box displays.
4. Specify when you want the job to run.
   
   **Caution**
   - If you want to run a job every few minutes, the minimum value is five minutes.
This is a recurring schedule. If you specify two hours in the Update Schedule dialog box, the selected job executes once immediately, and then executes every two hours. If you want to run a job only once, see Triggering a Job [page 17].

1.3.4.5 Triggering a Job

Context

Sometimes, you might want to run a job immediately or only once. Use this app to trigger jobs as required.

Procedure

1. On the SAP Fiori launchpad, choose Manage Scheduled Jobs.
2. Select the scheduled job that you wish to run.
3. Choose Trigger Now.

The selected job runs immediately.

Note

Trigger Now is enabled only when the selected job has the Active status.

1.3.5 Manage Machine Learning Models

Use the Manage Machine Learning Models app to activate or deactivate models trained using GLIM services. The Generic Line-item Matching (GLIM) Service is a reusable machine learning service, that can be used to match any two business documents (tabular line items). It is an API based service that will return a list of matched documents based on the model’s confidence score. A model is an object that is trained particularly to identify specific patterns. A model is used to draw inferences from the input data with the help of a machine learning algorithm to predict the output.

Note

You can choose to configure the recurrency frequency to auto create models.
Key Features

You can use this app to:

- Activate a model
- Auto create models
- Manually trigger model creation
- Download training data
- Deactivate a model
- Choose the auto create recurrence frequency
- Delete a model
- Understand the accuracy of the trained model

Supported Device Types

- Desktop
- Tablet
- Smartphone

Components for Customer Incidents

If you need support, open an incident under the relevant component mentioned in Components for Incidents [page 88].

Prerequisites

Ensure that you are assigned the relevant role in Defining and Bundling Roles.

1.3.5.1 Prerequisites - GLIM Based Matching

Context

The GLIM (Generic Line Item Matching) Based Matching job automatically matches an inbound transaction to a posting document.

The benefits of using an automatic approach are:
Reduced time and manual effort for performing the match process
Prevents manual errors.

To run the GLIM Based Matching job, a trained model must be activated. The following steps will help you understand the association between a trained model and the GLIM Based Matching job.

**Procedure**

1. Provide three CSV (comma-separated values) files. The files must contain sample data of:
   - posting documents
   - inbound statements
   - the match status of each posting document and inbound statement

   **Remember**

   Based on the accuracy of the training data, the training model will provide a higher/better percentage in the Accuracy field present in Manage Machine Learning Models.

   For more information on the CSV files, see CSV File Preparation [page 22].

2. Call the API Machine Learning Models, passing these three CSV files and the training model's description (mandatory) as inputs.
   - To trigger API using Try Out, see Triggering API in Try Out [page 25].

   The API calls the GLIM service, which creates a training model. You can see the newly created model in the Manage Machine Learning Models application.

3. Activate the model of your choice. To know more, see Activating a Model [page 19].

4. Activate the GLIM Based Matching job available in the Manage Scheduled Jobs application.

   Based on the training model selected (with the matching logic used in the training data), the job will pull live information from SAP Returnable Packaging Management's database and update the relevant data tables with the match status of a posting document, inbound transaction, and inbound statement.

   If the GLIM Based Matching job fails, an alert will display, describing the reason for the failure.

### 1.3.5.2 Activating a Model

**Context**

Use the following steps to activate a model.
Procedure

2. Select the model that you want to activate.
3. Choose Activate.

Note
- You can only activate a model that is inactive.
- At a time, only one model can be active.

1.3.5.3 Deactivating a Model

Context
To deactivate model, follow these steps.

Procedure

2. Select the model that you wish to deactivate.
3. Choose Deactivate.

Note
- You can only deactivate a model that is active.

1.3.5.4 Creating a Model

Context
Use the following steps to create a model.
**Procedure**

1. On the SAP Fiori launchpad, choose *Manage Machine Learning Models*.
   The app displays a list of all models based on your search criteria.
2. Choose *Create Manual Model*.
   
   **i Note**
   To schedule auto creation, choose *Auto Create Model* and select the schedule for model creation.
3. On the next screen, enter the appropriate *Model Description*.
4. Choose *Browse* for each of the following fields and upload the required training data document:
   - Posting Documents
   - Inbound Statements
   - Matching Documents
5. Choose *Create*.
   
   A new model is successfully created with *Pending* status. The status will change to *Success* after the training is successfully completed.

### 1.3.5.5 Downloading Training Data

**Context**

You can use the matching data of the system to manually create a model. Use the following steps to download the machine learning model data:

**Procedure**

1. On the SAP Fiori launchpad, choose *Manage Machine Learning Models*.
   The app displays a list of all models based on your search criteria.
2. Choose the model that you wish to download.
3. Choose *Download Training Data*.
4. On the dialog box, choose *Download* to save the .zip file on your system.

   **i Note**
   The *TrainingData.zip* file includes the following files with the matching data of the system:
   - InboundStatements.csv
1.3.5.6 Deleting a Model

Context

You can delete an already created machine learning model if the model is no longer valid. Use the following steps to delete a model.

Procedure

   The app displays a list of all models based on your search criteria.
2. Select the model that you wish to delete.
3. Choose Delete.
   The selected model is deleted.

1.3.5.7 CSV File Preparation

Consider the following input information for the CSV files.

→ Remember

- All of the fields in Query, Target, and Relation CSV files are mandatory.
- Under the Relation file, every field must have a valid value. If the fields under Query and Target files do not have a value, then set them to null.
- Provide the same name for each field in the CSV file, as mentioned in the following tables.
- Under the Target file, the value of transaction type should be opposite to the value of movement type. There are two possible values - 1 (Credit) and 2 (Debit). So, if the Movement Type has a value of 1, then the Transaction Type should be 2 and vice-versa.
- All of the parameters for the Machine Learning Models API are mandatory (i.e., query, target, relation, and model description).

The three files contain information on the following:

- Query - Inbound statements
- Target - Posting documents
- Relations - Resultant match status of the inbound statement and posting document

CSV File Content for Query

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Description</th>
<th>Data Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>QueryKey</td>
<td>Identifies the unique key for the Query file</td>
<td>Key</td>
</tr>
<tr>
<td>InboundStatementNumber</td>
<td>Identifies an inbound statement</td>
<td>Text</td>
</tr>
<tr>
<td>InboundStatementItemNumber</td>
<td>Identifies an item of an inbound statement</td>
<td>Text</td>
</tr>
<tr>
<td>ReturnableAccountNumber</td>
<td>Key used to uniquely identify a returnable packaging account</td>
<td>Text</td>
</tr>
<tr>
<td>CustomerReturnableAccount</td>
<td>Key used to identify a partner’s returnable account</td>
<td>Text</td>
</tr>
<tr>
<td>CustomerReturnableMaterial</td>
<td>Key used to identify a partner’s returnable packaging material</td>
<td>Text</td>
</tr>
<tr>
<td>StatementPostingDate</td>
<td>Inbound statement’s date of posting</td>
<td>Text</td>
</tr>
<tr>
<td>LocationType</td>
<td>Key used to identify the location type. The accepted values for LocationType are:</td>
<td>Text</td>
</tr>
<tr>
<td></td>
<td>● Customer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>● Vendor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>● Plant</td>
<td></td>
</tr>
<tr>
<td>LocationID</td>
<td>Key used to identify the location ID</td>
<td>Text</td>
</tr>
<tr>
<td>PartnerType</td>
<td>Key used to identify the partner type. The accepted values for PartnerType are:</td>
<td>Text</td>
</tr>
<tr>
<td></td>
<td>● Customer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>● Vendor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>● Plant</td>
<td></td>
</tr>
<tr>
<td>PartnerID</td>
<td>Key used to uniquely identify a partner</td>
<td>Text</td>
</tr>
<tr>
<td>TransactionType</td>
<td>Key used to identify the type of transaction</td>
<td>Text</td>
</tr>
<tr>
<td>TransactionDate</td>
<td>Transaction date</td>
<td>Text</td>
</tr>
<tr>
<td>CustomerNo</td>
<td>Customer number</td>
<td>Text</td>
</tr>
<tr>
<td>VendorNo</td>
<td>Vendor number</td>
<td>Text</td>
</tr>
<tr>
<td>Quantity</td>
<td>Quantity of returnable packaging material</td>
<td>Numeric</td>
</tr>
<tr>
<td>UOM</td>
<td>Unit of Measurement</td>
<td>Text</td>
</tr>
<tr>
<td>ReferenceDocumentNumber</td>
<td>Identifies the reference document</td>
<td>Text</td>
</tr>
<tr>
<td>ReferenceDocumentItemNo</td>
<td>Identifies the item in a reference document</td>
<td>Text</td>
</tr>
<tr>
<td>DeliveryDocumentNumber</td>
<td>Identifies the delivery document</td>
<td>Text</td>
</tr>
<tr>
<td>DeliveryDocumentItemNo</td>
<td>Identifies the item number of a delivery document</td>
<td>Text</td>
</tr>
<tr>
<td>Field Name</td>
<td>Description</td>
<td>Data Type</td>
</tr>
<tr>
<td>----------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>-----------</td>
</tr>
<tr>
<td>DeliveryDocumentDate</td>
<td>The delivery document date</td>
<td>Text</td>
</tr>
<tr>
<td>PartnerStatementNumber</td>
<td>Key used to identify the partner's statement number</td>
<td>Text</td>
</tr>
<tr>
<td>ReferenceDocumentDate</td>
<td>The reference document date</td>
<td>Text</td>
</tr>
</tbody>
</table>

CSV File Content for Target

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Description</th>
<th>Data Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>TargetKey</td>
<td>Unique key for Target</td>
<td>Key</td>
</tr>
<tr>
<td>TransactionType</td>
<td>Key used to identify the transaction type. The value of the transaction type should be opposite to the value of the movement type. There are two possible values - 1 (Credit) and 2 (Debit).</td>
<td>Text</td>
</tr>
<tr>
<td>PostingDocumentNumber</td>
<td>Key used to uniquely identify a posting document</td>
<td>Text</td>
</tr>
<tr>
<td>PostingDate</td>
<td>Date of posting</td>
<td>Text</td>
</tr>
<tr>
<td>ReversalDocumentNumber</td>
<td>Key used to identify a reversal document</td>
<td>Text</td>
</tr>
<tr>
<td>CancelledDocumentNumber</td>
<td>Key used to identify a cancelled document</td>
<td>Text</td>
</tr>
<tr>
<td>ReturnableMaterialQuantity</td>
<td>The quantity of returnable packaging material</td>
<td>Numeric</td>
</tr>
<tr>
<td>DeliveryNote</td>
<td>Key used to identify a delivery note</td>
<td>Text</td>
</tr>
<tr>
<td>DeliveryNoteItemNumber</td>
<td>Key used to identify a delivery note's item number</td>
<td>Text</td>
</tr>
<tr>
<td>DeliveryNoteQuantity</td>
<td>Quantity mentioned in the delivery note</td>
<td>Numeric</td>
</tr>
<tr>
<td>MaterialDocumentNumber</td>
<td>Key used to identify a material document</td>
<td>Text</td>
</tr>
<tr>
<td>MaterialDocumentItemNumber</td>
<td>Key used to identify the material document's item number</td>
<td>Text</td>
</tr>
<tr>
<td>VendorCode</td>
<td>Key used to identify the vendor</td>
<td>Text</td>
</tr>
<tr>
<td>CustomerCode</td>
<td>Key used to identify the customer</td>
<td>Text</td>
</tr>
<tr>
<td>MaterialCode</td>
<td>Key used to identify the returnable packaging material</td>
<td>Text</td>
</tr>
<tr>
<td>Plant</td>
<td>Key used to identify the plant</td>
<td>Text</td>
</tr>
<tr>
<td>MovementType</td>
<td>Identifies the movement type</td>
<td>Text</td>
</tr>
<tr>
<td>ReturnableAccountNumber</td>
<td>Identifies the returnable packaging account</td>
<td>Text</td>
</tr>
<tr>
<td>LocationType</td>
<td>Key used to identify the location type. The accepted values for LocationType are:</td>
<td>Text</td>
</tr>
<tr>
<td></td>
<td>• Customer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Vendor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Plant</td>
<td></td>
</tr>
</tbody>
</table>
### Field Name | Description | Data Type
--- | --- | ---
LocationID | Key used to identify the location | Text
PartnerType | Key used to identify the partner type. The accepted values for PartnerType are:
- Customer
- Vendor
- Plant | Text
PartnerID | Key used to uniquely identify a partner | Text

### CSV File Content for Relation

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Description</th>
<th>Data Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>InboundStatement</td>
<td>Inbound statement’s number that is pulled from Query</td>
<td>Text</td>
</tr>
<tr>
<td>PostingDocument</td>
<td>Posting document’s number that is pulled from Target</td>
<td>Text</td>
</tr>
</tbody>
</table>
| MatchingStatus      | The match status of an inbound statement and posting document. Valid field values for MatchingStatus are:
- Partial Match
- Fully Matched     | Text                                                     |

### 1.3.5.8 Triggering API in Try Out

#### Context

You can trigger API for test system in Try Out, using the test view in API hub.

To trigger API in the production system you need to use Postman.

#### Procedure

1. Go to **Machine Learning Models**.
2. Go to the **Body** tab and click **Choose File** for each of the following parameters, and upload the relevant file:
   - query
   - target
   - relation
3. Enter a unique string value for `modelDescription` parameter.
4. Click **Execute** to run the query.
   
The query response is 202 Training job triggered.

### 1.3.6 Assign Exchange Partner Details

With this app, you can associate the plant, customer, vendor, and returnable account details of an exchange partner with internal details.

For example: when you receive an inbound statement with a different name/code of the partner’s plant, customer, vendor, or returnable account, compared to the one you have saved in your system, you can assign this different name (external name) that is displayed in the statement, to the respective partner’s information maintained in your system, thereby associating an inbound statement to a returnable account. These details help in account determination. After this mapping is saved, the inbound transactions present in the statement can be used to match posting documents.

This same procedure can be used to assign an exchange partner’s vendor codes, customer codes, plant codes, and returnable packaging accounts to the respective codes and accounts that exist in your system (i.e., internal details).

The details are maintained for the combination of exchange partner type (customer, vendor, plant), and exchange partner number.

### Key Features

You can use this app to:

- View a list of assignments based on your filter criteria
- View detailed information about each assignment
- Create an assignment
- View an assignment
- Edit an assignment
- Delete an assignment

### Supported Device Types

- Desktop
- Tablet
- Smartphone
Component for Customer Incidents

If you need support, open an incident under the relevant component mentioned in Components for Incidents [page 88].

Prerequisites

Ensure that you are assigned the relevant role specified in Defining and Bundling Roles.

1.3.6.1 Creating an Assignment

Context

You create an assignment to map the external names/codes of plants, vendors, customers, and returnable packaging accounts to internal names present in your system.

Procedure

1. On the SAP Fiori launchpad, choose Assign Exchange Partner Details.
2. Choose Create
   The app takes you to a new screen.
3. Enter appropriate data in the following tab pages:
   ○ Exchange Partner
   ○ Plants
   ○ Customers
   ○ Vendors
   ○ Returnable Packaging Accounts
4. Choose Create
   An assignment is newly created.
1.3.6.2 Viewing an Assignment

Context

You can view a list of all assignments, along with detailed information for each of them.

Procedure

1. On the SAP Fiori launchpad, choose Assign Exchange Partner Details.

   The app displays a list of all assignments created. You can narrow down your search using the filter fields Editing Status, Exchange Partner, and Exchange Partner Type. You can also choose Adapt Filters to select additional filters, if required.

   To save your search parameters for use in future, choose Select View at the top left of the screen. The default view selected here is Standard. You can save and manage multiple views using the options available in the My Views dialog box.

2. Click on an assignment from the list.

   In the next screen, you can view detailed information for each assignment, organized in the following tab pages:
   - Exchange Partner
   - Plants
   - Customers
   - Vendors
   - Returnable Packaging Accounts
   To view a record of create and update operations made to this assignment, choose Change Log.

1.3.6.3 Editing an Assignment

Context

You can edit an already existing assignment, if required.

Procedure

1. On the SAP Fiori launchpad, choose Assign Exchange Partner Details.

   The app displays a list of assignments based on your filter criteria.
2. Click on the assignment that you wish to edit.
   The app takes you to a new screen that has detailed information on the selected assignment.
3. Choose Edit
4. Update the relevant fields and choose Save.
   The app saves the changes that you made to the assignment.

1.3.6.4 Deleting an Assignment

Context
You may have to delete an already created mapping/assignment, if it is not valid anymore.

Procedure
1. On the SAP Fiori launchpad, choose Assign Exchange Partner Details.
   The app displays a list of assignments based on your filter criteria.
2. Select one or more assignments that you wish to delete.
3. Choose Delete.
   Alternatively, you can click on a mapping/assignment, go to the details screen, and choose Delete after verifying the information.

1.3.7 Configure PDF Statements

Use this application to customize the company logo and certain content that display in the downloaded outbound document.

Key Features
You can use this app to:
- Upload a company logo
- Specify Acceptance information
- Specify Terms and Conditions
- Update the existing logo
- Update Acceptance details
- Update the Terms and Conditions details

**Supported Device Types**

- Desktop
- Tablet
- Smartphone

**Component for Customer Incidents**

If you need support, open an incident under the relevant component mentioned in *Components for Incidents [page 88]*.

**Prerequisites**

Ensure that you are assigned the relevant role specified in *Defining and Bundling Roles*.

### 1.3.7.1 Configuring PDF Statements

**Procedure**

1. On the SAP Fiori launchpad, choose *Configure PDF Statements*.
2. Choose *Upload*
   
   A dialog box displays. You can choose an image from the list.
3. Specify appropriate details in the *Terms and Conditions*, and *Acceptance Information* fields.
   
   You can enter a maximum of 500 characters for each field.
4. Choose *Save*.
   
   The app saves the configuration.
1.3.7.2 Editing a Configuration

Context

Use the following steps to edit an existing PDF configuration.

Procedure

1. On the SAP Fiori launchpad, choose Configure PDF Statements.
2. Choose Edit
3. Update the relevant information and choose Save.
   The app saves the configuration with the changes that you made.

1.3.8 Manage Status Types

With this app, you can view, create, edit, and delete the status types defined for status codes. The purpose of status type is to categorize similar status codes in a group. Using this app, you can view the descriptions of status types.

Key Features

You can use this app to:

- View a list of all the status types.
- Create a status type to categorize status codes.
- Edit a status type.
- Delete a status type.

Supported Device Types

- Desktop
- Tablet
- Smartphone
Component for Customer Incidents

If you need support, open an incident under the relevant component mentioned in Components for Incidents [page 88].

Prerequisites

Ensure that:

- You are assigned the relevant role specified in Defining and Bundling Roles.

1.3.8.1 Creating a Status Type

Context

You can create a status type to categorize status codes for any serialized returnable packaging material.

Procedure

1. On the SAP Fiori launchpad, choose Manage Status Types.
   The app will display a list of status types based on your filter criteria.
2. Choose Create.
3. On the next screen, enter the appropriate data in the following sections:
   ○ Status Type Information
     Define the status type for returnable packaging materials.
   ○ Description
     Add multiple languages and the status type description.
4. Choose Create.
   A new status type is successfully created.
1.3.8.2 Viewing a Status Type

Context

You can view a list of all status types along with their descriptions.

Procedure

1. On the SAP Fiori launchpad, choose Manage Status Types.

   The app displays a list of all status types created. You can narrow down your search using filter fields such as Editing Status, Status Type and Description. You can also choose Adapt Filters to select additional filters, if required.

   To save your search parameters for use in future, choose Select View at the top left of the screen. The default view selected here is Standard. You can save and manage multiple views using the options available in the My Views dialog box.

2. Click on a status type to view its detailed information.

   You can view the detailed information for each status type organized in the following tabs:
   ○ Status Type Information
   ○ Description
   ○ Change Log

1.3.8.3 Editing a Status Type

Context

You can edit specific attributes of an already existing status type.

Procedure

1. On the SAP Fiori launchpad, choose Manage Status Types.

   The app will display a list of status types based on your filter criteria.
2. Click on the status type that you wish to edit.
   The app takes you to a screen that has detailed information about the select status type.

3. Choose Edit.
   You can edit the following fields:
   - Status Type Information
     You can update the status type.
   - Description
     - Language
       You can add new languages for the selected status type.
   - Description

4. Choose Save.

1.3.8.4 Deleting a Status Type

Context
You may have to delete an already created status type if the returnable packaging material is obsolete, or the status type is no longer valid.

Procedure
1. On the SAP Fiori launchpad, choose Manage Status Types.
   The app will display a list of status types based on your filter criteria.
2. Select one or more status types that you wish to delete.
3. Choose Delete.

1.3.9 Upload Data

With this app, you can upload data associated with returnable packaging accounts, in a standard Excel template. Using this app, you can select the returnable packaging accounts to upload, view the error log for each uploaded file, and create multiple returnable packaging accounts all at once in case of migration.
Key Features

You can use this app to:

- Upload returnable packaging accounts.
- View error log for each uploaded file.
- Download the error log of the uploaded file.

Supported Device Types

- Desktop
- Tablet
- Smartphone

Component for Customer Incidents

If you need support, open an incident under the relevant component mentioned in Components for Incidents [page 88].

Prerequisites

Ensure that:

- You are assigned the relevant role specified in Defining and Bundling Roles.
- Relevant master data is available in the application.

1.3.9.1 Uploading a Data Object

Context

Use the following steps to upload returnable packaging accounts. This is useful in case you need to create multiple returnable packaging accounts.
**Procedure**

1. On the SAP Fiori launchpad, choose *Upload Data*.
2. Select *Returnable Packaging Account* and choose *Step 2*. A workflow is displayed at the top of the page with the selected object.
3. On the next screen, choose *Browse* to find the file you want to upload.
4. Choose *Upload File* to add the file for the selected object.
5. Choose *Review* to go to the next screen.

   **i Note**
   
   Choose *Cancel* to abort the changes and return to the home page.


   The selected object is uploaded.

   **i Note**
   
   You can upload a maximum of 200 accounts using *Upload Data*. On the *Review* screen, you can choose an object from the workflow at the top of the screen and change the uploaded file.

### 1.3.10 Manage Status Codes

With this app, you can view, create, edit, delete, and assign status codes to any status type, for all serialized returnable packaging materials. The purpose of status codes is to define additional statuses, such as Clean, Dirty, or In-transit, for any serialized returnable packaging material. Using this app, you can view the descriptions for status codes along with their status types.

**Key Features**

You can use this app to:

- View a list of all the status codes.
- Create a status code for serialized returnable packaging materials.
- Edit a status code.
- Assign status code to a status type.
- Delete a status code.
Supported Device Types

- Desktop
- Tablet
- Smartphone

Component for Customer Incidents

If you need support, open an incident under the relevant component mentioned in Components for Incidents [page 88].

Prerequisites

Ensure that:

- You are assigned the relevant role specified in Defining and Bundling Roles.

1.3.10.1 Creating a Status Code

Context

You can create a status code to define additional status for any serialized returnable packaging material.

Procedure

1. On the SAP Fiori launchpad, choose Manage Status Codes.
   The app will display a list of status codes based on your filter criteria.
2. Choose Create.
3. On the next screen, enter the appropriate data in the following sections:
   ○ Status Code Information
     Define the status code and the relevant status type for the code.
   ○ Description
     Add multiple languages and the status code description.
4. Choose Create.
   A new status code is successfully created.
1.3.10.2 Viewing a Status Code

Context

You can view a list of all status codes with their descriptions and status types.

Procedure

1. On the SAP Fiori launchpad, choose Manage Status Codes.

   The app displays a list of all status codes created. You can narrow down your search using filter fields such as Status Code and Status Type. You can also choose Adapt Filters to select additional filters, if required.

   To save your search parameters for use in future, choose Select View at the top left of the screen. The default view selected here is Standard. You can save and manage multiple views using the options available in the My Views dialog box.

2. Choose a status code to view its detailed information.

   You can view the detailed information for each status code organized in the following tabs:
   ○ Status Code Information
   ○ Description
   ○ Change Log

1.3.10.3 Editing a Status Code

Context

You can edit specific attributes of an already existing status code.

Procedure

1. On the SAP Fiori launchpad, choose Manage Status Codes.

   The app will display a list of status codes based on your filter criteria.

2. Click on the status code that you wish to edit.

   The app takes you to a screen that has detailed information about the select status code.
3. Choose **Edit**.

You can edit the following fields:

- Status Code Information
  - Status Code
  - Status Type
- Description
  - Language
    You can add new languages for the selected status code.
  - Description

4. Choose **Save**.

### 1.3.10.4 Deleting a Status Code

#### Context

You may have to delete an already created status code if the returnable packaging material is obsolete, or the status code is no longer valid.

#### Procedure

1. On the SAP Fiori launchpad, choose **Manage Status Codes**.
   
   The app will display a list of status codes based on your filter criteria.
2. Select one or more status codes that you wish to delete.
3. Choose **Delete**.

### 1.3.11 Configure Stock Attributes

With this app, you can configure various attributes related to parts of the returnable packaging stock in your system. A stock attribute is a part of the overall stock in a plant that is defined by a combination of plant, storage location, and storage type. The packaging materials that are categorized in any one of the defined stock attributes can be assigned to:

- Relevant for Planning
- Returnable Packaging Condition
- Returnable Packaging Additional Status
**Key Features**

You can use this app to:

- View all plants and attributes
- Create a stock attribute
- Edit a stock attribute
- Delete a stock attribute
- Export plant and packaging material details to a spreadsheet

**Supported Device Types**

- Desktop
- Tablet
- Smartphone

**Component for Customer Incidents**

If you need support, open an incident under the relevant component mentioned in Components for Incidents [page 88].

**Prerequisites**

Ensure that you are assigned the relevant role specified in Defining and Bundling Roles.

**1.3.11.1 Creating a Stock Attribute**

**Context**

You can create stock attributes to configure the planning relevance for goods.
Procedure

1. On the SAP Fiori launchpad, choose *Configure Stock Attributes*.
   The app displays a list of stock attributes and plants based on your filter criteria.
2. Choose *Create*.
3. On the next screen, enter the appropriate data in the *Stock Attributes* tab.
4. Choose *Create*.
   A new stock attribute is created.

1.3.11.2 Editing a Stock Attribute

Context

You can edit specific stock attributes in an already existing plant.

Procedure

1. On the SAP Fiori launchpad, choose *Configure Stock Attributes*.
   The app displays a list of stock attributes and plants based on your filter criteria.
2. Click on the stock attribute you wish to edit.
   The app takes you to a screen that has detailed information about the selected stock attribute.
3. Choose *Edit*.
   You can only edit the following fields:
   - Relevant for Planning
   - Returnable Packaging Addnl. Status
   - Returnable Packaging Condition
4. Choose *Save*.
   The app saves the changes that you made to the stock attributes.
1.3.11.3 Deleting a Stock Attribute

Context

You may have to delete an already created stock attribute if it is obsolete or is no longer valid.

Procedure

1. On the SAP Fiori launchpad, choose Configure Stock Attributes.
   The app displays a list of stock attributes and plants based on your filter criteria.
2. Select one or more attributes that you wish to delete.
3. Choose Delete.

1.4 Master Data and Transactional Data Apps

Master Data Apps

The following master data apps are available:

- Manage Returnable Packaging Accounts [page 43]

Transactional Data Apps

The following transactional data apps are available:

- Manage Posting Documents [page 52]
- Manage Inbound Statements [page 61]
- Match Inbound Statements [page 66]
- Manage Serial Numbers [page 68]
1.4.1 Manage Returnable Packaging Accounts

With this app, you can view, create, edit, and delete returnable packaging accounts that are used to track the exchange of returnable packaging material between location partners and exchange partners. Using this app, you can check the account balance for each account and initiate the replenishment of the returnable packaging material whenever the account balance falls below the reorder point quantity.

Key Features

You can use this app to:

- View a list of returnable packaging accounts based on your filter criteria
- View detailed information for each account
- Create a returnable packaging account
- Edit a returnable packaging account
- Delete a returnable packaging account
- Upload a profile image for an account
- Activate a returnable packaging account
- Deactivate a returnable packaging account
- Export details of returnable packaging accounts to a spreadsheet
- Upload attachments
- Define ownership of an account
- Specify a company code for each additional partner relationship
- Navigate to Manage Posting Documents
- Navigate to Manage Serial Numbers
- View the match status of a returnable packaging account
- Specify the planning type for a returnable packaging account
- Create purchase order manually for an account

Supported Device Types

- Desktop
- Tablet
- Smartphone

Component for Customer Incidents

If you need support, open an incident under the relevant component mentioned in Components for Incidents [page 88].
Prerequisites

Ensure that:

- You are assigned the relevant role specified in Defining and Bundling Roles
- Relevant master data is available in the application
- Number range is defined for returnable packaging accounts using the Define Number Ranges [page 5] application

1.4.1.1 Partner Relationships

Partner relationships help you map the exchange relationships of a returnable packaging material between location partners and exchange partners. You define these relationships while creating a returnable packaging account.

While creating a returnable packaging account, you must define a main partner relationship. You may also define one or more additional partner relationships. The additional partner relationships are usually required to represent the fact that a location partner and an exchange partner can be represented by various partner types during the exchange of returnable packaging material. The main relationship in conjunction with the additional partner relationships cover the complete exchange process of a returnable packaging material. The validity of a returnable packaging account is defined by the validity of the main partner relationship. If the validity of a main relationship is changed, then this change affects the validity of the returnable packaging account as well. Every additional partner relationship also has a validity associated with it.

Example - Defining Partner Relationships During Account Creation

Let us take the scenario of an OEM delivering an empty returnable packaging material to a supplier and receiving the full returnable packaging back from the supplier. Here the OEM serves both as the vendor and the customer during the returnable packaging movement. To map this into a returnable packaging account, you need to define two partner relationships to cover both directions of movement. One is a main relationship to cover one direction of the exchange and the other is the additional relationship to cover the other direction of exchange.

The following sections describe how these relationships are defined while creating a returnable packaging account

Scenario 1: When the returnable packaging account is managed in the supplier’s system

- **Main Relationship** (OEM acts as a customer that receives back the full returnable packaging material from the supplier’s plant)
  - Location Partner Type: Plant
  - Location Partner: Supplier’s plant
  - Exchange Partner Type: Customer
  - Exchange Partner: Customer key of OEM
- **Additional Partner Relationship** (OEM acts as a vendor that supplies empty returnable packaging material to supplier’s plant)
When the returnable packaging account is managed in the OEM's system

- **Main Relationship** (OEM acts as a customer that receives full returnable packaging material from a supplier)
  - Location Partner Type: Plant
  - Location Partner: OEM's Plant
  - Exchange Partner Type: Vendor
  - Exchange Partner: Vendor key of supplier

- **Additional Partner Relationship** (Supplier acts as a customer that receives the empty returnable packaging material from the OEM)
  - Location Partner Type: Plant
  - Location Partner: OEM's Plant
  - Exchange Partner Type: Customer
  - Exchange Partner: Customer key of supplier

### 1.4.1.2 Returnable Packaging Account - Account Balance and Account Status

#### Account Balance

The account balance of a returnable packaging account is the exchange balance of a returnable packaging material that is circulated between a location partner and an exchange partner. If the balance is negative, it indicates that more returnable packaging material has gone from the location partner to the exchange partner than vice versa. If the balance is positive, the location partner has received more returnable packaging material from the exchange partner than vice versa. When a new account is created, the account balance is zero by default.

The reorder point quantity associated with an account indicates when the replenishment of returnable packaging material should be initiated. If the account balance of a returnable packaging material falls below the reorder point quantity, the responsible packaging manager should initiate the replenishment process.

#### Account Status

A returnable packaging account can have one of the following statuses:

- Active
This status indicates that an account is active and can be used for recording the returnable packaging movement. When you activate an account, the app changes the status of that account to Active.

**Note**
You can post goods movement to a returnable packaging account only if the account is active and the posting date of the posting document is within the validity date of the main partner relationship.

- **Inactive**
This status indicates that an account is inactive and you can no longer use it for recording returnable packaging transactions. When you deactivate an account, the app changes the status of that account to **Inactive**.

### 1.4.1.3 Pooled Packaging

**Pooled Packaging**

Pooled packaging refers to the returnable packaging materials that move across different company codes. Pooled packagings are centrally managed by an organization and used across multiple company codes and plants. Normally, such organizations have a central pool head office that manages and monitors pooled packaging for multiple company codes or plants.

You can manage, monitor, and track movements of a pooled returnable packaging material across all company codes (plants) under one returnable account.

Pooled packaging allows you to:

- Consolidate account matching statements and account balances in a single returnable account
- Combine deliveries across plant/company codes into a single returnable account
- Track the returnable material at a central pooled packaging head office level
- Match the account statements across company codes under one returnable account

Company Code is now present for each additional partner relationship in a returnable packaging account. When you create an additional partner relationship under the Additional Partner Relationships tab, you can specify the companies that will be involved in the pooled packaging process using the Company Code field.

### 1.4.1.4 Rentals

Rentals help you to manage the rent for returnable packaging materials, associated with any returnable packaging account. For serially managed returnable packaging materials, the rental configuration is maintained in **Manage Returnable Packaging Accounts**.

Rentals allows you to select the:

- **Valid From** and **Valid To** dates for the rent period.
- **Rent Free Days** included in the selected rent period.
- **Daily Rent Charges** for the returnable materials.
• Discount that you want to provide on the returnable materials.
• Rent Threshold Value for the returnable materials.

1.4.1.5 Ownership

Use this concept to identify which company has the returnable material at a particular point in time.

For serially managed returnable packaging materials, the ownership is maintained at returnable packaging material - serial number level. For returnable packaging materials that are not serially managed, single ownership is supported. i.e. for such materials, only one type of ownership is allowed across returnable accounts.

• Ownership Type: Identifies the type of owner i.e., if the returnable material is currently owned by a customer, vendor, or by the location partner (self owned)
• Ownership: Identifies the current owner of the returnable material. If you choose customer/vendor in Ownership Type, this field displays a list of respective customers/vendors maintained in the system. If you choose Self Owned in Ownership Type, you would need to select the company (i.e., pick the company code from the search results) that currently has the returnable material.

1.4.1.6 Consumption-Based Reorder Point Planning

When there is a demand for large amounts of packaging materials, it is important to plan the requirements for these returnables. Consumption-based reorder point planning allows vendors to order empty returnable packaging materials from the returnable suppliers in their system. The supplier receives the purchase orders and delivers the requested returnable packaging to the vendor.

When Consumption Based Planning (CBP) is marked for an account, the system calculates (in the background) if the

• Quantity of returnable packaging material; and
• Open purchase orders

fall below the reorder point quantity. If the above conditions are true, you can decide if you want to create a purchase order manually or automatically, using these two options under Planning Type (these parameters need to be maintained in the returnable packaging account as a prerequisite):

• Account Active for Planning: Manual PO Creation: Purchase order is not created automatically. The system displays an icon which indicates that manual purchase order creation is required. You can click Create Purchase Order to manually trigger purchase order creation.
• Account Active for Planning: Automatic PO Creation: Purchase order is automatically created.

Note

While creation of purchase orders, the outline agreement maintained in the returnable packaging account will be referenced.

Alternatively, if you want to opt-out of CBP, choose Account Not Active for Planning.
1.4.1.7 Creating a Returnable Packaging Account

Context

You create a returnable packaging account to map the exchange relationship of a returnable packaging material between location partners and exchange partners.

Procedure

1. On the SAP Fiori launchpad, choose Manage Returnable Packaging Accounts.
   The app displays a list of returnable packaging accounts based on your filter criteria.
2. Choose Create.
3. On the next screen, you can upload a profile image.
   - Note: Once an image is uploaded, you can update it, but not remove it.
4. Enter appropriate data in the following sections:
   - Main Relationship
   - General Information
   - Purchase Order
   - Additional Partner Relationships
   - Attachments
   - Caution: During the archiving process, all of the files uploaded to the Attachments tab will not be saved. It will be removed from the system.
   - Rentals
5. Choose Save.

A returnable packaging account is newly created with Inactive status.

The app will not let you create an account if the same partner relationships with overlapping validity already exist in another returnable packaging account that is available for the specified combination of location partner, exchange partner, company code, and returnable packaging material.
1.4.1.8 Viewing a Returnable Packaging Account

Context

You can view a list of all returnable packaging accounts along with detailed information for each account.

Procedure

1. On the SAP Fiori launchpad, choose Manage Returnable Packaging Accounts.

The app displays a list of all returnable packaging accounts created. You can narrow down your search using filter fields such as Editing Status, Returnable Packaging Material, Company Code, Location Partner, Exchange Partner, Processor, and Customer/Vendor Material. You can also choose Adapt Filters to select additional filters, if required.

To save your search parameters for use in future, choose Select View at the top left of the screen. The default view selected here is Standard. You can save and manage multiple views using the options available in the My Views dialog box.

2. Click on an account to view detailed information.

You can view the detailed information for each account organized in the following tab pages:

- Main Relationship
- General Information
- Purchase Order
- Additional Relationships
- Attachments
- Rentals

To view a record of all changes made to this account, choose Change Log.
1.4.1.9 Editing a Returnable Packaging Account

Context

You can edit specific attributes of an already existing returnable packaging account.

Procedure

1. On the SAP Fiori launchpad, choose Manage Returnable Packaging Accounts.
   The app displays a list of returnable packaging accounts based on your filter criteria.
2. Click on the account that you wish to edit.
   The app takes you to a screen that has detailed information about the selected account.
3. Choose Edit.
   You can only edit the following fields:
   - Profile Image
     You can either update an existing profile image or add a new one, if it does not exist.
   - Main Relationship
     - Valid From and Valid To dates of a main relationship
   - General Information
     - Customer/Vendor Material
     - Reorder Point Quantity
     - Processor
   - Purchase Order
     Define the planning type for Consumption-Based Reorder Point Planning [page 47].
   - Additional Partner Relationship
     You can create additional partner relationships.
   - Attachments
     You can upload additional documents here.

⚠ Caution

During the archiving process, all of the files uploaded to the Attachments tab will not be saved. It will be removed from the system.

- Rentals
  You can update the rental configuration for the serialized returnable packaging materials.
4. Choose Save.
   The app saves the changes that you made to the returnable packaging account.
1.4.1.10 Activating a Returnable Packaging Account

**Context**

You can post the quantity of a returnable packaging material in circulation, only to an active account.

**Procedure**

1. On the SAP Fiori launchpad, choose *Manage Returnable Packaging Accounts*.
   
   The app displays a list of returnable packaging accounts based on your filter criteria.

2. Click on the inactive account that you wish to activate.

3. On the next screen, choose *Activate*.

   The system changes the status of the account from *Inactive* to *Active*.

   **i Note**

   When you activate a returnable packaging account, the app checks if the relevant business partner and the returnable packaging material exists and the validity has expired.

   If you want to deactivate an account, click an account with *Active/New* status, go to the detailed screen and choose *Deactivate*.

1.4.1.11 Deleting a Returnable Packaging Account

**Context**

You may have to delete an already created returnable packaging account if the associated returnable packaging material is obsolete or the relationship with the linked business partner is no longer valid.

**Procedure**

1. On the SAP Fiori launchpad, choose *Manage Returnable Packaging Accounts*.

   The app displays a list of returnable packaging accounts based on your filter criteria.
2. Select one or more returnable packaging accounts that you wish to delete.
   You can only delete accounts with zero balance.

3. Choose Delete.
   Alternatively, you can click on an account, go to the detailed screen and then choose Delete after verifying the account details.

1.4.2 Manage Posting Documents

With this app, you can view, create, check, reprocess, and cancel the posting documents that are created during the inbound and outbound transit of returnable packaging materials. A posting document is used to update the returnable packaging account balance based on the movement of a returnable packaging material, for example, goods issue and goods receipt.

Key Features

You can use this app to:

- View a list of all manual and automatic posting documents based on your filter criteria
- Create a manual posting document
- Run a check on an automatically created posting document
- Reprocess an automatically created posting document after the errors are corrected
- Cancel a posting document
- Export details of posting documents to a spreadsheet
- Upload attachments
- Generate a PDF file
- Match posting documents to inbound transactions
- Compare posting documents to inbound transactions
- Manually assign serial numbers while creating a manual posting document
- Remove serial numbers from a manually created posting document

Supported Device Types

- Desktop
- Tablet
- Smartphone
Component for Customer Incidents

If you need support, open an incident under the relevant component mentioned in Components for Incidents [page 88].

Prerequisites

Ensure that:

- You are assigned the relevant role specified in Defining and Bundling Roles
- Number range is defined for posting documents, both manual and automatic, using the Define Number Ranges [page 5] application

1.4.2.1 Viewing a Posting Document

Prerequisites

Ensure that:

- Account posting types relevant for the creation of manual posting documents are defined in the Manage Account Posting Types application
- Account posting types are assigned to relevant movement types in the Assign Account Posting Types to Movement Types application
- Number range for manual and automatic posting documents is defined and active in the Define Number Ranges application

Context

You can view a list of all posting documents, both manual and automatic, along with the detailed information for each document.

Procedure

1. On the SAP Fiori launchpad, choose Manage Posting Documents application.
   The app displays a list of posting documents based on your filter criteria.
   You can narrow down your search using filter fields such as Editing Status, Posting Document Number, Returnable Packaging Material, Returnable Packaging Account, Location Partner, Exchange Partner.
Inventory Document Number, Posting Indicator, Processor and, Posting Document Status. You can also choose Adapt Filters to select additional filters, if necessary.

To save your search parameters for use in the future, choose Select View at the top left of the screen. The default view selected here is Standard. You can save and manage multiple views using the options available in the My Views dialog box.

### Note
- A posting document can have one of the following statuses:
  - New
    Status of a posting document that is being created, but not yet saved
    Note that this status is only relevant for manually created posting documents.
  - Posted
    Status of a posting document that is saved without any errors. Once posted, the account balance of the associated returnable packaging account is updated based on the posting quantity specified in the posting document.
  - Error
    Status of a posting document that has errors
    This status is only relevant for automatically created posting documents. When the movement (goods receipt or goods issue) of a returnable packaging material is posted in the source system, the corresponding posting document is automatically created in this application based on the active number range. In some cases, such documents may have errors. Some possible reasons are: returnable packaging account not active, material data doesn’t exist, and so on.
  - Canceled
    Status of a posting document that is canceled
    When you cancel a posting document with New or Error status, the system just changes the status of the document to Canceled. No additional documents are created.
    When you cancel a posting document with Posted status, the system changes the status of the document to Canceled. Additionally, a reversal document (with status Reversed) is created to adjust the balance in the associated returnable packaging account.
  - Reversed
    Status of a posting document that is automatically created when you cancel a document with Posted status
- The View Alerts button takes you to a screen that displays all errors associated with an automatically created document.
- The Check button is used to check an automatically created document for errors. You can reprocess an automatic document with errors only after running a check and ensuring that the document is free of errors.

2. Click on a posting document to view its detailed information.

You can view the detailed information for each document, organized in the following tab pages:
- General Information
- Posting Information
- Partner Information
- Reference
1.4.2.2 Creating a Manual Posting Document

Prerequisites

Ensure that:

- Account posting types relevant for the creation of manual posting documents are defined in the Manage Account Posting Types application
- Number range for manual posting documents is defined and active in the Define Number Ranges application

Context

You may have to create manual posting documents based on the various business scenarios. Some examples are entering returnable packaging movements according to the information available in a paper document (delivery note), posting to a blocked account and reversing a manual posting.

Procedure

1. On the SAP Fiori launchpad, choose Manage Posting Documents.
2. Choose Create.
3. On the next screen, specify appropriate values in the following tab pages:
   - General Information
     In the Reference Posting Document section, you can choose a returnable packaging account or a posting document as a reference to create a new manual posting document.
   - Posting Information
   - Partner Information
   - Reference
Serial Numbers

**i Note**
Each serial number is unique to a returnable packaging material. For manual postings, you would need to create serial numbers for each returnable material. So, if the posting quantity is 4, 4 serial numbers need to be created.
In the case of automatic postings, the serial numbers are automatically created.

Attachments

**⚠ Caution**
During the archiving process, all of the files uploaded to the **Attachments** tab will not be saved. It will be removed from the system.

4. Choose **Save**.

The app creates a posting document with **Posted** status.
Once posted, the account balance of the associated returnable packaging account is updated based on the posting quantity specified in the posting document.

### 1.4.2.3 Creating a Posting Document using IRPA

**Context**

You can create posting documents in **SAP Returnable Packaging Management** using **SAP Intelligent Robotic Process Automation** (IRPA). The bot creates posting documents with the information provided in the excel sheet. You can either run the job manually or set a schedule for the bot to run in specific intervals.

**i Note**
To access this feature, you would require a relevant license from **SAP Intelligent Robotic Process Automation**.

**Procedure**

1. Install **SAP IRPA**. To know more, see the installation section in **SAP Intelligent Robotic Process Automation**
   After installation, you will have access to **SAP Intelligent RPA Factory**.
2. Ensure that the relevant package is imported to **SAP Intelligent RPA Factory**.
3. Set up the desktop agent. To know more, see **Desktop Agent - User Guide**.
4. Execute the Desktop Agent available in your Windows system.
5. Add the relevant tenant to the Desktop Agent.

The app name displays.
6. Select the application.

The job executes.

You can view the status of the latest run in the Jobs section.

To know more about the roles, settings, excel template, and environment variables for this bot, refer to the corresponding documentation in SAP Intelligent RPA Factory.

Remember

For more information regarding SAP IRPA, see SAP Intelligent RPA Factory - User Guide

1.4.2.4 Automatic Account Postings

You can view all automatically created posting documents and verify the account balance and any errors that occurs during automatic postings using the Manage Posting Documents app.

Prerequisites

Ensure that you have:

- Defined account posting types relevant for automatic postings
- Assigned these account posting types to movement types
- Configured integration flows to fetch relevant data from the source systems (SAP S/4HANA and SAP S/4HANA Cloud)

Whenever any returnable packaging material movement is recorded in SAP S/4HANA or SAP S/4HANA Cloud, a posting document is automatically created against the associated returnable packaging account. To make this possible, integration flows are configured in SAP Cloud Integration. For more information, refer the following integration guides:

- SAP Returnable Packaging Management - Integration Guide (SAP S/4HANA Cloud)
- SAP Returnable Packaging Management - Integration Guide (SAP S/4HANA)
The following diagram illustrates the process of automatic posting document creation:

1.4.2.5 Reprocessing a Posting Document

Context

An automatically created posting document may sometimes have errors due to which it cannot be posted to the corresponding returnable packaging account. Some of the possible errors are that the returnable
packaging account, business partner, returnable packaging material do not exist in the application. If the account is not active or the account is not determined also, the app creates a posting document with errors. You can resolve these errors that are displayed in the Alerts column, run an error check on the document, and then reprocess this document so that the document is posted and the balance of the returnable packaging account is updated accordingly.

**Procedure**

1. On the SAP Fiori launchpad, choose *Manage Document Postings* application.
2. From the list page, select an automatic document (with errors) that you wish to reprocess. Alternatively, you can filter all posting documents with *Error* status and select the one that you wish to reprocess.
3. Choose *View Alerts*.
   The app displays a screen that lists all errors associated with the selected posting document. Resolve all errors that are mentioned in the Alert Log.
4. Choose *Check*.
   The app runs a set of business validations on the selected document to ensure that the existing errors are resolved and no new errors are introduced.
5. Choose *Reprocess*.
   The app displays a dialog box where you can specify any comments that you wish to record during reprocessing.
6. Specify the reprocessing comment and choose *Reprocess*.
   The app changes the status of the posting document from *Error* to *Posted* and updates the balance of the associated returnable packaging account.

### 1.4.2.6   Matching a Posting Document

**Context**

Use this app to view, compare, and match posting documents to inbound transactions.

**Procedure**

1. On the SAP Fiori launchpad, choose *Manage Posting Documents* application.
   The app displays a list of posting documents based on your filter criteria.
2. Select the posting document that you want to match to one or more inbound transactions.

3. Click **Match Inbound Transactions**.

   On the next screen, the app displays general details of the posting document along with a list of inbound transactions.

   If the **Rule Based Matching** job is active, the **Matched Inbound Transactions** tab displays the inbound transactions that match to the posting document. You can either remove transactions from this list or add transactions to this list, if required. For more information on **Rule Based Matching**, see Available Jobs [page 15].

   The **Inbound Transactions** tab displays all the inbound transactions that might match to the selected posting document. The transactions listed in this tab are proposed by the app. The list is sorted, displaying the transactions with the highest matching probability on the top.

4. Use the following options to view, and match the posting document to one or more inbound transactions.

   - **Compare**
     Use Compare to view the fields that are similar between an inbound transaction and a posting document. You can choose which inbound transaction to match to the posting document, based on your findings from the compared data. Fields that are similar are displayed in green colour, while fields that are not similar are displayed in red colour.

     → **Remember**

     Compare is enabled when at least one inbound transaction is selected.

     You can only select a maximum of two inbound transactions to compare with the posting document, at a time.

   - **Add to Matched**
     Moves an inbound transaction to the **Matched Inbound Transactions** tab. Add to Matched is enabled when at least one inbound transaction is selected.

     → **i Note**

     The match status, matched/unmatched quantity of the inbound transactions and posting document are updated based on the transactions added to **Matched Inbound Transactions**.

   - **Remove**
     Removes the selected inbound transaction from the **Matched Inbound Transactions** tab. Remove is enabled when at least one inbound transaction is selected. Once you click Remove, the selected inbound transaction moves to the **Inbound Transactions** tab.

     → **i Note**

     The match status, matched/unmatched quantity of the inbound transactions and posting document are updated based on the transactions removed from **Matched Inbound Transactions**.
1.4.2.7 Cancelling a Posting Document

Procedure

1. On the SAP Fiori launchpad, choose Manage Posting Documents.
2. Select the posting documents that you wish to cancel.
   
   The app displays a dialog box where you can specify any comments that you wish to record during cancellation.
4. Specify the reason for cancellation and choose Cancel Document.

   Based on the status of the posting documents you select, the app behaves as follows:
   
   ○ Documents with Posted status
     The app changes the status of the selected documents to Canceled and additionally creates new reversal documents (with status Reversal) that is used to reverse the posted quantity in the relevant account. Note that reversal documents will only be created if reversal account posting types are defined for the account posting types associated with selected posting documents.
   ○ Documents with Error status
     The app changes the status of the selected document to Canceled.

1.4.3 Manage Inbound Statements

Use this app to view, create, edit, and delete inbound statements. An inbound statement is a document sent by the exchange partner to SAP Returnable Packaging Management containing information on posting records, account balance, and material details.

Key Features

You can use this app to:

- View a list of inbound statements based on your filter criteria
- View detailed information for each inbound statement
- Create an inbound statement
- Determine a returnable packaging account using Determine Account
- Edit an inbound statement
- Delete an inbound statement
- Create a transaction
- Edit a transaction
• Delete a transaction

**Supported Device Types**

• Desktop
• Tablet
• Smartphone

**Component for Customer Incidents**

If you need support, open an incident under the relevant component mentioned in *Components for Incidents [page 88]*.

**Prerequisites**

Ensure that:

• You are assigned the relevant role specified in *Defining and Bundling Roles*
• Number range is defined for inbound statements, both manual and automatic, using the *Define Number Ranges [page 5]* application

**1.4.3.1 Creating an Inbound Statement**

**Context**

Use this app to manually create inbound statements and transactions.

**Procedure**

1. On the SAP Fiori launchpad, choose the *Manage Inbound Statements* application.
2. Choose *Create*.
3. On the next screen, specify appropriate values in the following tab pages:
   ○ General Information
   ○ Account Details
If you are unsure of the returnable packaging account, use Determine Account. The app displays the returnable packaging account based on the values entered in the Customer, Vendor, Partner Statement Number, and Partner Returnable Packaging Material fields under the General Information tab.

For Determine Account to work, you need to maintain the internal and external names for exchange partner, location partner, returnable accounts and materials. Also, ensure that the following information exists in SAP Returnable Packaging Management:

- Details regarding the returnable packaging material
- Relevant details about business partners (customers and vendors)
- Details regarding the company code and plant

Transactional Details

To add a new transaction, choose Create.

4. Choose Save.

The app creates an inbound statement with Unmatched status.

Once the statement is created, based on the quantity entered in Transactional Details:

- The total, unmatched, and matched quantity of the inbound statement is updated
- The unmatched and matched quantity of inbound transactions is updated.

### 1.4.3.2 Editing an Inbound Statement

#### Context

You can edit specific attributes of an existing inbound statement.

#### Procedure

1. On the SAP Fiori launchpad, choose Manage Inbound Statements.

   The app displays a list of inbound statements based on your filter criteria.

2. Click on the statement that you wish to edit.

   The app takes you to a screen that has detailed information about the selected statement.

3. Choose Edit.
Each tab has the following editable fields:

- General Information
  - Partner Statement Number
  - Partner Returnable Packaging Material
  - Partner Returnable Packaging Account
  - Statement Start Date
  - Statement End Date
  - Statement Received On
  - Opening Balance
  - Closing Balance
  - Customer
  - Vendor

- Account Details
  - Returnable Packaging Account

- Transactional Details
  - Transaction Type
  - Transaction Quantity
  - Posting Date
  - Document Number
  - Document Item Number
  - Document Date
  - Delivery Date
  - Location Partner
  - Exchange Partner
  - Reference Document Number
  - Reference Document Item Number
  - Reference Document Date

**Note**
- To delete a transaction, choose **Delete**.
- The **Posting Date**, **Document Date**, **Reference Document Date**, and **Delivery Date** fields can either be today's date or a date in the past.

4. Choose **Save**.

The app saves the changes that you made to the inbound statement.
1.4.3.3 Viewing an Inbound Statement

**Context**

You can view a list of all inbound statements, both manual and automatic, along with detailed information for each statement.

**Procedure**

1. On the SAP Fiori launchpad, choose the *Manage Inbound Statements* application.

   The app displays a list of inbound statements based on your filter criteria.

   You can narrow down your search using filter fields. A few of them are *Statement Number, Partner Statement Number, Partner Returnable Packaging Material, Partner Returnable Packaging Account, Customer, Vendor, Opening Balance, Closing Balance, and Matching Status*. You can also choose *Adapt Filters* to select additional filters, if required.

   To save your search parameters for use in the future, choose *Select View* at the top left of the screen. The default view selected here is *Standard*. You can save and manage multiple views using the options available in the *My Views* dialog box.

   **Note**

   An inbound statement can have one of the following statuses:

   - **Matched**
     All transactions in an inbound statement are matched to its corresponding posting documents.

   - **Unmatched**
     The inbound statement does not have matching posting documents or is newly created.

   - **Partially Matched**
     Some transactions of an inbound statement are matched to its posting documents.

   - **Not Relevant**
     Status of an inbound statement that will not be considered for the matching process.

2. Click on an inbound statement to view its detailed information.

   You can view the detailed information for each statement, organized in the following tab pages:

   - General Information
   - Account Details
   - Transactional Details

   To view a record of all changes made to an inbound statement, choose *Change Log*. 
1.4.3.4 Deleting an Inbound Statement

Context

Using this app, you can delete an already existing inbound statement.

Procedure

1. On the SAP Fiori launchpad, choose Manage Inbound Statements.
   The app displays a list of inbound statements based on your filter criteria.
2. Select one or more inbound statements that you wish to delete.
3. Choose Delete.
   Alternatively, you can click on a statement, go to the detailed screen and then choose Delete after verifying the statement information.

   **Note**
   Once you delete an inbound statement, based on the inbound transactions:
   - The related document under Match Inbound Statements is also deleted
   - The match status (matched, unmatched, partially matched) of its corresponding posting documents is updated
   - The quantity of its corresponding posting documents is updated.

1.4.4 Match Inbound Statements

Use this app to view, compare, and match an inbound transaction to a posting document. An inbound transaction is a transaction entry that is part of an inbound statement.

Key Features

You can use this app to:

- View a list of inbound transactions based on your filter criteria
- View detailed information for each inbound transaction
- Compare inbound transactions to posting documents
- Match inbound transactions to posting documents
Supported Device Types

- Desktop
- Tablet
- Smartphone

Component for Customer Incidents

If you need support, open an incident under the relevant component mentioned in Components for Incidents [page 88].

Prerequisites

Ensure that:

- You are assigned the relevant role specified in Defining and Bundling Roles
- Posting documents and inbound statements are created

1.4.4.1  Matching an Inbound Transaction

Context

Use this app to view details of an inbound transaction and match an inbound transaction to a posting document.

Procedure

1. On the SAP Fiori launchpad, choose the Match Inbound Statements application.

The app displays a list of inbound transactions based on your filter criteria. The graph shows the number of inbound transactions under each match status.

You can narrow down your search using filter fields. A few of them are Statement Number, Partner Statement Number, Partner Returnable Packaging Material, Partner Returnable Packaging Account, Posting Date, Returnable Packaging Account, Matching Status, and Matching Type. You can also choose Adapt Filters to select additional filters, if required.

To save your search parameters for use in the future, choose Select View at the top left of the screen. The default view selected here is Standard. You can save and manage multiple views using the options available in the My Views dialog box.
2. Click on an inbound transaction from the list.

The app displays the general details of the selected inbound transaction.

If the Rule Based Matching job is active, the Matched Posting Documents tab displays the posting documents that match to the inbound transaction. You can either remove documents from this list or add documents to this list, if required. For more information on Rule Based Matching, see Available Jobs [page 15].

The Posting Documents tab displays all the documents that might match to the selected inbound transaction. The documents listed in this tab are proposed by the app.

3. Use the following options to view and match the inbound transaction to a posting document.

- **Compare**
  Use Compare to view the fields that are similar between an inbound transaction and a posting document. You can choose which posting document to match to the transaction based on the comparison results.

  → **Remember**
  Compare is enabled when at least one posting document is selected.
  You can only select a maximum of two posting documents to compare with the inbound transaction, at a time.

- **Add to Matched**
  Moves a posting document to the Matched Posting Documents tab. Add to Matched is enabled when at least one posting document is selected.

  **i Note**
  The match status is updated based on the posting documents added to Matched Posting Documents.

- **Remove**
  Removes the selected posting document from the Matched Posting Documents tab. Remove is enabled when at least one posting document is selected. Once you click Remove, the selected posting document moves to the Posting Documents tab.

  **i Note**
  The match status is updated based on the posting documents removed from Matched Posting Documents.

### 1.4.5 Manage Serial Numbers

A serial number is a unique identifier that is assigned to a returnable material. The purpose of serial numbers is to manage, monitor, and track individual returnable packaging materials.

SAP ERP system is a master system for generating serial numbers. These serial numbers are uploaded to SAP Returnable Packaging Management via iFlow or API calls. Hence, creating serial numbers is not possible in Manage Serial Numbers.
While saving a posting document of serialized returnable packaging material for goods receipt, the serial numbers will be added to this table, if it does not exist.

With this app, you can assign a serial number and returnable packaging material, to a returnable packaging account. You can also assign the ownership type and ownership details. The serial number and returnable packaging material together form one unique unit. You assign this unit to a returnable account.

You can also view the serial numbers and its associated information like the asset/equipment number, status, IMEI number, barcode, color, and Radio-Frequency Identification (RFID) number in the Serial Numbers table.

**Returnable Packaging Status**

The status is updated when a posting document is posted manually/automatically using SAP S4HANA integration. It is:

- Automatically updated to ‘In stock’ when a posting document is created manually or automatically during goods receipt of returnables.
- Automatically updated to ‘Issued’ when a posting document is created manually or automatically during goods issue of returnables.

**Key Features**

- Assign serial number and returnable material to a returnable account
- View serial number details
- View a graph that displays the returnable packaging status
- Filter the details displayed in the table
- Assign ownership and ownership type

**Supported Device Types**

- Desktop
- Tablet
- Smartphone

**Component for Customer Incidents**

If you need support, open an incident under the relevant component mentioned in Components for Incidents [page 88].

**Prerequisites**

Ensure that you are assigned the relevant role specified in Defining and Bundling Roles.
1.4.5.1 Assigning Details to Serial Numbers

Context

Use the following steps to assign returnable accounts to serial numbers. You can also choose the ownership type and ownership for each serial number.

Procedure

1. On the SAP Fiori launchpad, choose Manage Serial Numbers.
   The app displays a list of serial numbers and its information, based on your filter criteria.
   You can narrow down your search using filter fields such as Returnable Packaging Material, Returnable Packaging Account, Ownership Type, Ownership, and Returnable Packaging Status. You can also choose Adapt Filters to select additional filters, if required.
   To save your search parameters for use in the future, choose Select View at the top-left corner of the screen. The default view selected here is Standard. You can save and manage multiple views using the options available in the My Views dialog box.

   → Tip
   ○ Use the graph to understand the status of the returnable packaging material and the amount of serial numbers for each returnable packaging status.
   ○ Click on a bar in the graph. The table will display details of the selected returnable packaging status.
     For example, if you select a bar named "In Stock", the table will display the details of serialized returnable packaging materials that are currently available.

2. Select a serial number of your choice.

   i Note
   You can use the All, Assigned, and Unassigned options to filter the entries displayed in the Serial Numbers table. For example, if you choose Unassigned, the table will display the list of serial numbers that are yet to be assigned to a returnable account.

3. Choose Assign.
   The Assign Details dialog box displays.

4. Specify the relevant details and choose Save.
   The app saves the changes that you made.
1.4.5.2 Editing an Assignment

Context

You can edit an already existing assignment.

Procedure

1. On the SAP Fiori launchpad, choose Manage Serial Numbers.
   The app displays a list of serial numbers and its information, based on your filter criteria.
2. Select the assignment that you want to edit.
   - Note: You can edit multiple assignments, at the same time. To do this, select the assignments that you want to edit, and continue with the steps given below.
3. Choose Assign.
   The Assign Details dialog box displays.
4. Update the relevant details and choose Save.
   The app saves the changes that you made to the assignment.

1.4.6 View Returnable Materials

With this app, you can view all the serially managed returnable packaging materials. Using this application, you can check the returnable packaging accounts and ownership type associated with any serially managed material.

Key Features

You can use this app to:
- View a list of all returnable packaging materials.
- View general data associated with the returnable packaging materials.
- View the sales organization and distribution channel.
- Navigate to Returnable Packaging Accounts.
• Navigate to Manage Serial Numbers.

**Supported Device Type**

• Desktop
• Tablet
• Smartphone

**Component for Customer Incidents**

If you need support, open an incident under the relevant component mentioned in Components for Incidents [page 88].

**Prerequisites**

Ensure that:

• You are assigned the relevant role specified in Defining and Bundling Roles.
• Relevant master data is available in the application.

**1.4.6.1 Viewing a Returnable Packaging Material**

**Context**

You can view a list of all serially managed returnable packaging materials, along with detailed information for each returnable packaging material.

**Procedure**

1. On the SAP Fiori launchpad, choose View Returnable Packaging Materials application.
   
   The app displays a list of all serially managed returnable packaging material based on your filter criteria.
   
   You can narrow down your search using filter fields such as Code, Description, Type, Plant, Company Code, and Storage Location.
To save your search parameters for use in the future, choose *Select View* at the top left of the screen. The default view selected here is *Standard*. You can save and manage multiple views.

2. Click on a returnable packaging material to view its detailed information.

You can view the detailed information for each returnable packaging material, organized in the following tab pages:

- General Details
- Plant Details
- Sales Details
- Serial Numbers

### 1.5 Analytical Apps

A packaging manager can use these apps to monitor business activities and key performance indicators (KPIs) in real time, drill down, and react as needed:

- Returnable Packaging Material - Overview [page 73]
- Returnable Process Overview [page 76]

### 1.5.1 Returnable Packaging Material - Overview

With this app, you get an overview about the various aspects of a returnable packaging material. You can analyze the stock quantity, posting quantity, and the number of inbound and outbound postings associated with a returnable packaging material, in a graphical format.

#### Key Features

You can use this app to:

- View the overall stock quantity of a returnable packaging material
- View the stock quantity of a returnable packaging material for each returnable packaging account
- View the total number of inbound and outbound postings recorded for a returnable packaging material
- View the number of inbound and outbound postings for each returnable packaging account
- View the posting quantity associated with inbound postings and outbound postings

#### Supported Device Types

- Desktop
Component for Customer Incidents

If you need support, open an incident under the relevant component mentioned in Components for Incidents [page 88].

Prerequisites

Ensure that:

- You are assigned the relevant role specified in Defining and Bundling Roles

1.5.1.1 Key Indicators

You can view the following key values associated with the selected returnable packaging material:

- Returnable packaging accounts below reorder point
  This value indicates the number of returnable packaging accounts with account balance below the reorder point quantity.
- Posting documents with errors
  This value indicates the number of posting documents with errors
- Inactive returnable packaging accounts.
  This value indicates the number of returnable packaging accounts that are inactive.
- Days since last goods movement
  The value indicates the number of days since the last goods movement was recorded.
- Value of stock with partner
  This indicates the value of stock with partner.
- Value of partner stock on hand
  This indicates the value of partner stock on hand.

1.5.1.2 Charts - Stock Quantity

You can use these charts to get an overview of the stock quantity of a returnable packaging material across all selected accounts, and the stock quantity associated with each individual account.

Note

While generating graphs, the app considers all the filter values that you specify. Both active and inactive accounts are taken into account while calculating the stock quantity.
Stock Quantity

You can view a graphical representation of the overall stock quantity of a returnable packaging material, along with the associated reorder point quantity. The reorder point on the graph indicates the threshold value of stock below which the replenishment of returnable packaging material is initiated.

The overall stock quantity includes the following:

- Stock with Partner, which indicates the quantity of a returnable packaging material that is with your exchange partner
- Partner Stock on Hand, which indicates the quantity of a returnable packaging material that is with you

You can view a bar chart with two bars. One bar represents the overall stock quantity with the exchange partner and the other bar represents the overall quantity of partner stock with you.

Stock Quantity by Returnable Packaging Account

You can view a graphical representation of the stock quantity of a returnable packaging material for each selected returnable packaging account.

For each account, two bars are displayed in the bar chart. One bar represents the stock quantity with the exchange partner and the other bar chart represents the quantity of partner stock with you.

1.5.1.3 Charts - Number of Inbound and Outbound Postings

You can use these charts to get an overview of the total number of postings associated with a returnable packaging material across all selected accounts, and the number of postings associated with each individual account.

i Note

While generating graphs, the app considers all the filter values that you specify. Both active and inactive accounts are taken into account while calculating the stock quantity.

Number of Inbound and Outbound Postings

You can view a graphical representation of the total number of inbound postings and outbound postings recorded for a returnable packaging material.

The total number of postings include:

- Number of inbound postings, which includes the total number of all postings that results in a credit in the associated returnable packaging account
- Number of outbound postings, which includes the total number of all postings that results in a debit in the associated returnable packaging account
You can view a bar chart with two bars. One bar represents the total number of inbound postings and the other bar represents the total number of outbound postings.

**Number of Inbound and Outbound Postings by Returnable Packaging Account**

You can view a graphical representation of the number of inbound and outbound postings recorded against each selected returnable packaging account.

For each account, two bars are displayed in the bar chart. One bar represents the number of outbound postings and the other bar represents the number of outbound postings.

1.5.1.4 **Chart - Posting Quantity**

You can use this chart to get an overview of the total posting quantity associated with a returnable packaging material across all selected accounts, and the posting quantity associated with each individual account.

**Posting Quantity**

You can view a graphical representation of the total posting quantity associated with a returnable packaging material.

You can view a line chart, with two lines, one that represents the total inbound posting quantity and the other that represents the total outbound posting quantity for any selected time period.

1.5.2 **Returnable Process Overview**

With this app, you get an overview of the various aspects of the returnable packaging process. You can analyze the returnable packaging accounts, stock quantity, number of inbound and outbound postings, inbound statements, and the posting documents associated with a returnable packaging process, in a graphical format. It is possible to save the filter configurations as Variants. You can decide which cards need to be visible and which of them need to be hidden (personalization). To know more, see [Personalized Selection of Cards](#).

**Key Features**

You can use this app to:

- View the ownership, match status, and account status of returnable packaging accounts.
- View the stock quantity of returnable packaging accounts
- View the total number of inbound and outbound postings recorded for returnable packaging accounts
- View the total number of inbound and outbound postings recorded for a specific time period
- View the status and match status of posting documents
- View the match status of posting documents for returnable packaging accounts
- View the match status of inbound statements
- View the match status of inbound statements for each returnable packaging account
- Navigate to Manage Inbound Statements, Manage Posting Documents, or Manage Returnable Packaging Accounts based on the chart selected

**Supported Device Types**

- Desktop
- Tablet
- Smartphone

**Component for Customer Incidents**

If you need support, open an incident under the relevant component mentioned in Components for Incidents [page 88].

**Prerequisites**

Ensure that you are assigned the relevant role specified in Defining and Bundling Roles.

**1.5.2.1 Charts - Returnable Packaging Accounts**

You can use these charts to get an overview of the returnable packaging accounts based on the filter criteria.

**Returnable Packaging Accounts - Account Status**

You can view a graphical representation of the total number of active and inactive returnable packaging accounts for a selected time period.

The chart also displays the following based on the filter criteria:
- the number of returnable packaging accounts that are below the reorder point
the number of returnable packaging accounts that are not valid as per the current date.

**Note**
You can click on the chart to navigate to Manage Returnable Packaging Accounts, and view a list of accounts based on the filter criteria defined in the Returnable Process Overview application and the area of the chart that you clicked.

**Example**

If you selected the part of the chart that displays active returnable accounts, you will be navigated to the Manage Returnable Packaging Accounts application where you will see a list of active accounts along with other filter criteria that was set in the Returnable Process Overview application.

**Returnable Accounts - Match Status**

You can view a graphical representation of the matching status of all of the returnable packaging accounts for a selected time period.

**Note**
You can click on the chart to navigate to Manage Returnable Packaging Accounts, and view a list of returnable accounts based on the area of the chart clicked (that displays the match status - Unmatched, Matched, or Partially Matched) and the filter criteria defined in the Returnable Process Overview page.

**Returnable Accounts - Ownership**

You can view a graphical representation of the ownership of all of the returnable packaging accounts for a selected time period.

The donut chart displays the number of returnable packaging accounts that are universally owned, self owned, customer owned, and vendor owned.

**1.5.2.2 Chart - Stock Quantity by Returnable Packaging Account**

You can use this chart to get an overview of the stock quantity of all of the returnable packaging accounts, and the stock quantity of returnable packaging material associated with an account.

The overall stock quantity includes:
Stock with Customer, which shows the quantity of returnable packaging material that is with the customer.

Stock on Hand, which shows the quantity of a returnable packaging material that is with you.

**i Note**
The Material drop-down list displays all of the returnable packaging materials associated with the returnable packaging accounts plotted in the chart. Once a specific material is selected, the chart will be updated based on your selection.

### 1.5.2.3 Charts - Number of Account Postings

You can use these charts to get an overview of the total number of postings associated with all of the returnable packaging accounts, based on the specified time period.

#### Number of Account Postings by Returnable Packaging Account

You can view a graphical representation of the total number of inbound postings and outbound postings recorded for all of the returnable packaging accounts.

The total number of postings include:

- **Number of inbound postings**, which includes the total number of all postings that results in a credit in the associated returnable packaging account
- **Number of outbound postings**, which includes the total number of all postings that results in a debit in the associated returnable packaging account

You can view a bar chart with two bars for each returnable packaging account. One bar represents the total number of inbound postings and the other bar represents the total number of outbound postings.

**i Note**
The Material drop-down list displays all of the returnable packaging materials associated with the returnable packaging accounts plotted in the chart. Once a specific material is selected, the chart will be updated based on your selection.

#### Number of Account Postings by Period

You can view a graphical representation of the total number of inbound postings and outbound postings recorded for all of the returnable packaging accounts, based on the start and end dates.

You can view a line chart with two lines. One line represents the inbound postings and other line represents the outbound postings for the specified time period.
1.5.2.4 Charts - Posting Documents

You can use these charts to get an overview of the posting documents based on the specified start date, end date, and other filter criteria.

Posting Documents - Status

You can view a graphical representation of the total number of posting documents segregated based on its status, for a selected time period.

You can also see the following figures based on the filter criteria:

- the number of posting documents that have an error
- the number of documents that are posted automatically
- the number of documents that are posted manually.

**Example**

If you selected the part of the chart that displays cancelled posting documents, you will be navigated to the Manage Posting Documents application where you will see a list of cancelled documents along with other filter criteria that was set in the Returnable Process Overview application.

Posting Documents - Match Status

You can view a graphical representation of the matching status of all of the posting documents, for a selected time period.

You can also see the following figures based on the filter criteria:

i Note

Use the Period drop-down list to filter the chart data. The available options are Weekly, Monthly, Quarterly, and Yearly.
• the number of posting documents that are unmatched. Click here to navigate to Manage Posting Documents, and view a list of unmatched posting documents based on the filter criteria set in Returnable Process Overview.
• the number of posting documents that are matched automatically to inbound statements
• the number of posting documents that are matched manually to inbound statements.

**i Note**
You can click on the chart to navigate to Manage Posting Documents, and view a list of documents based on the area of the chart clicked (that displays the match status - Unmatched, Matched, or Partially Matched) and the filter criteria defined in the Returnable Process Overview page.

**Posting Documents - Match Status by Account**

You can view a graphical representation of the match status of posting documents for each returnable packaging account, for a selected time period.

You can see a bar chart with three bars for each account. One bar represents the number of matched posting documents, one represents the number of unmatched posting documents, and the other bar represents the number of partially matched posting documents. You can click on either of these bars to be navigated to the Manage Posting Documents application. A list of posting documents will be displayed based on the filter criteria set in the Returnable Process Overview page and the status that you clicked in the chart (either Unmatched, Matched, or Partially Matched).

**i Note**
The Material drop-down list displays all of the returnable packaging materials associated with the returnable packaging accounts plotted in the chart. Once a specific material is selected, the chart will be updated based on your selection.

**1.5.2.5 Charts - Inbound Statements**

You can use these charts to get an overview of the match status of inbound statements based on the the specified start date, end date, and other filter criteria.

**Inbound Statements - Match Status**

You can view a graphical representation of the total number of inbound statements segregated based on its status, for a selected time period.

You can also see the following figures based on the filter criteria:
- the number of inbound statements that are unmatched. Click here to navigate to Manage Inbound Statements, and view a list of unmatched statements based on the filter criteria set in Returnable Process Overview.
- the number of automatic inbound statements
- the number of manual inbound statements.

**Note**
You can click on the chart to navigate to Manage Inbound Statements, and view a list of statements based on the filter criteria defined in the Returnable Process Overview application and the area of the chart that you clicked (that displays the match status - Unmatched, Matched, or Partially Matched).

### Inbound Statements - Match Status by Account

You can view a graphical representation of the match status of inbound statements for each returnable packaging account, for a selected time period.

You can see a bar chart, with each bar representing the number of unmatched, matched, and partially matched inbound statements. You can click on either of these bars to be navigated to the Manage Inbound Statements application. A list of inbound statements will be displayed based on the filter criteria set in the Returnable Process Overview page and the status that you clicked in the chart (either Unmatched, Matched, or Partially Matched).

**Note**
The Material drop-down list displays all of the returnable packaging materials associated with the returnable packaging accounts plotted in the chart. Once a specific material is selected, the chart will be updated based on your selection.

### 1.5.2.6 Charts - Serially Managed Materials

You can use these charts to get an overview of all serially managed returnable materials, based on the filter criteria.

### Serially Managed Materials - Status

You can view a graphical representation of the status of all serially managed returnable materials.

The overall chart includes the number of:
- Serially managed returnable materials that are issued.
- Serially managed returnable materials that are in stock.
Note
Click on the chart to navigate to Manage Serial Numbers. You can view a list of materials based on the filter criteria defined in the Returnable Process Overview application and the area of the chart that you clicked.

Serially Managed Returnable Materials - Ownership

You can view a graphical representation of the status of serially managed returnable materials, based on returnable packaging account and ownership type. Each bar in the graph displays multiple ownership types which are defined by different colors. You can also see the total number all serially managed materials without ownership, at the top of the graph.

Note
Click on the chart to navigate to Manage Serial Numbers. You can view a list of all serially managed materials for the selected account, based on the filter criteria defined in the Returnable Process Overview application and the area of the graph you clicked.

Count / Cost - Serially Managed Materials

You can view a graphical representation of the count and cost of serially managed returnable materials based on the account and ownership type.

For each ownership type, two charts are displayed in the graph. The bar chart represents count of distinctive returnable materials and the line chart represents aggregated cost of returnable material quantities. You can also see the total cost of all serially managed materials, that are self-owned and at a partner location, at the top of the graph.

Note
Click on the graph to navigate to Manage Returnable Packaging Accounts. You can view a list accounts based on the filter criteria defined in the Returnable Process Overview application and the area of the graph you clicked.

1.5.3 View Rental Reports

With this app you can view the rental information pertaining to the payments owed to partners, and the payments owed by partners, for any returnable packaging material. You can also view rental reports for all serialized packaging materials in various currencies.
Key Features

You can use this app to:

- View the rental information of all serialized returnable materials, based on your filter criteria.
- View the total number of days any returnable material is available at the Exchange Partner location.
- View the total rental cost for a returnable packaging material in various currencies.
- View multiple serialized packaging materials, under one returnable packaging material type.
- Generate an Excel.
- View the inbound date and outbound date for the returnable materials.
- View the returnable packaging account associated with the returnable material.
- Navigate to Manage Posting Documents.
- View a graphical representation of the data in the visual filter.

Supported Device Types

- Desktop
- Tablet
- Smartphone

Component for Customer Incidents

If you need support, open an incident under the relevant component mentioned in Components for Incidents [page 88].

Prerequisites

Ensure that:

- You are assigned the relevant role specified in Defining and Bundling Roles
- Relevant master data is available in the application
- Number range is defined for returnable packaging accounts using the Define Number Ranges [page 5] application
### 1.5.3.1 Viewing a Rental Report

#### Context

You can view the rental information of all serially managed returnable materials, including the associated returnable packaging account details.

#### Procedure

1. On the SAP Fiori launchpad, choose *View Rental Reports* application.

   The app displays the rental information of all serially managed returnable packaging materials, based on your filter criteria. You can narrow down your search using filter fields such as *Returnable Packaging Material*, *Exchange Partner*, *Location Partner*, *Inbound Date*, *Outbound Date*, and *Serial Number*.

   To save your search parameters for use in the future, choose *Select View* at the top left of the screen. The default view selected here is *Standard*. You can save and manage multiple views using the options available in the *My Views* dialog box.

   **i Note**

   You can also switch the filter to view a graphical representation of data available in the filter criteria.

2. Click on a returnable packaging material code to view its detailed information.

   **i Note**

   Choose *Change Currency* to select a different currency for viewing the total rental cost. You can use the drop-down list to choose and view the rental cost in any of the following currencies:

   - EUR
   - USD
   - JPY
   - GBP
   - CHF
   - BRL
   - CNY
1.6 Business Partner Apps

A partner portal in *SAP Returnable Packaging Management* is meant to provide partners (suppliers, vendors, 3PL, etc.) access to the customer’s landscape. Partners can access the system to view and download outbound statements for the associated returnable packaging account.

A customer should assign users and authorizations to the relevant partner, for the associated returnable packaging account. Hence, the partners will only be able to view records or download statements for those returnable accounts that they are authorized to access.

For further information regarding the onboarding of a business partner user, see Business Partner User - Onboarding.

The available apps are:

- Download Statements [page 86]

1.6.1 Download Statements

Use this app to view and download returnable packaging account statements.

**Key Features**

You can use this app to:

- View a list of returnable packaging accounts that belong to a specific business partner
- Preview account statements
- Download account statements for a specific time period
- Save the filter criteria as a personalized variant

**Supported Device Types**

- Desktop
- Tablet
- Smartphone

**Components for Customer Incidents**

If you need support, open an incident under the relevant component mentioned in Components for Incidents [page 88].
Prerequisites

Ensure that:

- You are assigned the relevant role specified in Defining and Bundling Roles.

1.6.1.1 Downloading an Account Statement

Context

Follow these steps to download an account statement.

Procedure

1. On the SAP Fiori launchpad, choose Download Statements.

   The app displays a list of returnable packaging accounts based on your filter criteria.

   You can narrow down your search using the filter fields, such as Editing Status, Returnable Packaging Account, Partner Returnable Packaging Account, Returnable Packaging Material, Partner Returnable Packaging Material, Location Partner, and Exchange Partner. You can also choose Adapt Filters to select additional filters, if required.

   To save your search parameters for use in the future, choose Select View at the top left corner of the screen. The default view selected here is Standard. You can save and manage multiple views using the options available in the My Views dialog box.

2. Select the returnable accounts.

3. Choose Download PDF.

   The Download PDF dialog box displays.

4. Specify the time period for which you want a statement.

5. Select Download PDF.

   Note

   You can select Preview to take a look at how your statement would look like, once it is downloaded.
1.7 Components for Incidents

The following components are available:

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LO-RL</td>
<td>SAP Returnable Packaging Management</td>
</tr>
<tr>
<td>LO-RL-AP</td>
<td>Automatic Posting Integration</td>
</tr>
<tr>
<td>LO-RL-MD</td>
<td>Master Data Integration</td>
</tr>
</tbody>
</table>

1.8 API Payload for Returnable Packaging Management

This section describes the payload fields that are required to consume the APIs for Returnable Packaging Management application. You can refer the API Hub documentation for more information on payload information.

1.8.1 Payload Details for Posting Documents

The following payload fields are available for posting documents API:

<table>
<thead>
<tr>
<th>Payload Field</th>
<th>Description</th>
<th>Mandatory</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>returnableMaterialQuantity</td>
<td>Posting Quantity</td>
<td>Yes</td>
<td>Integer</td>
</tr>
<tr>
<td>materialDocumentNumber</td>
<td>Inventory Document Number</td>
<td>Yes</td>
<td>String (10)</td>
</tr>
<tr>
<td>materialDocumentItemNumber</td>
<td>Inventory Document Item Number</td>
<td>Yes</td>
<td>String (4)</td>
</tr>
<tr>
<td>postingDate</td>
<td>Date of Posting</td>
<td>Yes</td>
<td>Date (yyyy-mm-dd)</td>
</tr>
<tr>
<td>materialCode</td>
<td>Material Code</td>
<td>Yes</td>
<td>String (40)</td>
</tr>
<tr>
<td>vendorCode</td>
<td>Vendor Code</td>
<td></td>
<td>String (10)</td>
</tr>
</tbody>
</table>

**i Note**

This field is mandatory. You must provide either a Vendor Code or a Customer Code.
<table>
<thead>
<tr>
<th>Payload Field</th>
<th>Description</th>
<th>Mandatory</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>customerCode</td>
<td>Customer Code</td>
<td></td>
<td>String (10)</td>
</tr>
<tr>
<td>plant</td>
<td>Plant</td>
<td>Yes</td>
<td>String (4)</td>
</tr>
<tr>
<td>movementType</td>
<td>Movement Type</td>
<td>Yes</td>
<td>String (60)</td>
</tr>
<tr>
<td>serialNumberCode</td>
<td>Material Serial Number</td>
<td></td>
<td>String (20)</td>
</tr>
<tr>
<td>deliveryNote</td>
<td>Delivery Note</td>
<td>No</td>
<td>String</td>
</tr>
<tr>
<td>deliveryNoteItemNumber</td>
<td>Delivery Note Item Number</td>
<td>No</td>
<td>Integer</td>
</tr>
<tr>
<td>inventoryStockTypeID_ID</td>
<td>Inventory Stock Type</td>
<td>No</td>
<td>String (2)</td>
</tr>
</tbody>
</table>

**1.8.2 Payload Details for Returnable Packaging Accounts**

The following payload fields are available for returnable packaging accounts API:

<table>
<thead>
<tr>
<th>Payload Field</th>
<th>Description</th>
<th>Mandatory</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>materialID_ID</td>
<td>Material ID</td>
<td>Yes</td>
<td>GUID</td>
</tr>
<tr>
<td>CompanyCode_ID</td>
<td>Company Code ID</td>
<td>Yes</td>
<td>GUID</td>
</tr>
<tr>
<td>PartnerType_ID</td>
<td>Partner Type ID</td>
<td>Yes</td>
<td>String</td>
</tr>
<tr>
<td>partnerID_ID</td>
<td>Partner ID</td>
<td>Yes</td>
<td>GUID</td>
</tr>
<tr>
<td>LocationID_ID</td>
<td>Location ID</td>
<td>Yes</td>
<td>GUID</td>
</tr>
<tr>
<td>Payload Field</td>
<td>Description</td>
<td>Mandatory</td>
<td>Type</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>------------------------------</td>
<td>-----------</td>
<td>------------</td>
</tr>
<tr>
<td>LocationType_ID</td>
<td>Location Type ID</td>
<td>Yes</td>
<td>String</td>
</tr>
<tr>
<td>ValidFrom</td>
<td>Valid From</td>
<td>Yes</td>
<td>Date (yyyy-mm-dd)</td>
</tr>
<tr>
<td>ValidTo</td>
<td>Valid To</td>
<td>Yes</td>
<td>Date (yyyy-mm-dd)</td>
</tr>
<tr>
<td>matchingRelevantStatus_ID</td>
<td>Matching Relevant Status ID</td>
<td>Yes</td>
<td>Integer</td>
</tr>
<tr>
<td>ownershipType_ID</td>
<td>Ownership Type ID</td>
<td>No</td>
<td>String</td>
</tr>
<tr>
<td>ownershipCode</td>
<td>Ownership Code</td>
<td>No</td>
<td>String (10)</td>
</tr>
<tr>
<td>returnableAccountStatus_ID</td>
<td>Returnable Account Status ID</td>
<td>No</td>
<td>Integer</td>
</tr>
<tr>
<td>processor_ID</td>
<td>Processor ID</td>
<td>Yes</td>
<td>GUID</td>
</tr>
</tbody>
</table>

**Note:**
- Valid To should be greater than Valid From.
- Ownership code is mandatory when ownership type is maintained.
- The default value for returnable account status ID is 2.
<table>
<thead>
<tr>
<th>Payload Field</th>
<th>Description</th>
<th>Mandatory</th>
<th>Type</th>
<th>Payload Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>purchaseContractNo</td>
<td>Outline Agreement Number</td>
<td>No</td>
<td>String (10)</td>
<td>Any string value</td>
</tr>
<tr>
<td>purchaseContractItemNo</td>
<td>Outline Agreement Item Number</td>
<td>No</td>
<td>String (5)</td>
<td>Any string value</td>
</tr>
<tr>
<td>orderQuantity</td>
<td>Order quantity</td>
<td>No</td>
<td>Integer</td>
<td>Any integer value</td>
</tr>
<tr>
<td>reorderPlanningType_ID</td>
<td>Planning type</td>
<td>No</td>
<td>Integer</td>
<td>1 = Account not active for planning</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2 = Account active for planning no automatic PO creation</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3 = Account active for planning automatic PO creation</td>
</tr>
<tr>
<td>reorderPoint</td>
<td>Reorder point quantity</td>
<td>No</td>
<td>Integer</td>
<td>Any integer value</td>
</tr>
<tr>
<td>vendorMaterial</td>
<td>Customer/Vendor material</td>
<td>No</td>
<td>String</td>
<td>Any string value</td>
</tr>
<tr>
<td>leadTime</td>
<td>Lead time in days</td>
<td>No</td>
<td>Integer</td>
<td>Any integer value</td>
</tr>
<tr>
<td>accountIdentifier1</td>
<td>Identifier 1</td>
<td>No</td>
<td>String (40)</td>
<td>Any string value</td>
</tr>
<tr>
<td>accountIdentifier2</td>
<td>Identifier 2</td>
<td>No</td>
<td>String (40)</td>
<td>Any string value</td>
</tr>
<tr>
<td>accountIdentifier3</td>
<td>Identifier 3</td>
<td>No</td>
<td>String (40)</td>
<td>Any string value</td>
</tr>
<tr>
<td>accountAddress</td>
<td>Address</td>
<td>No</td>
<td>String (500)</td>
<td>Any string value</td>
</tr>
</tbody>
</table>

### 1.8.3 Payload Details for Inbound Transactions

The following payload fields are available for inbound transactions API:

<table>
<thead>
<tr>
<th>Payload Field</th>
<th>Description</th>
<th>Mandatory</th>
<th>Type</th>
<th>Payload Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>transactionQuantity</td>
<td>Transaction Quantity</td>
<td>Yes</td>
<td>Integer</td>
<td>Relevant integer value for transaction quantity</td>
</tr>
<tr>
<td>postingDate</td>
<td>Posting Date</td>
<td>No</td>
<td>Date (yyyy-mm-dd)</td>
<td>For example, 2021-09-20</td>
</tr>
<tr>
<td>documentNumber</td>
<td>Document Number</td>
<td>No</td>
<td>String (10)</td>
<td>Relevant string to specify document number</td>
</tr>
<tr>
<td>documentItemNumber</td>
<td>Document Item Number</td>
<td>No</td>
<td>String (10)</td>
<td>Relevant string to specify document item number</td>
</tr>
</tbody>
</table>
### 1.8.4 Payload Details for Inbound Statements

The following payload fields are available for inbound statements API:

#### Payload Details for Inbound Statements

<table>
<thead>
<tr>
<th>Payload Field</th>
<th>Description</th>
<th>Mandatory</th>
<th>Type</th>
<th>Payload Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>partnerStatementNumber</td>
<td>Partner Statement Number</td>
<td>No</td>
<td>String (21)</td>
<td>Relevant string for partner statement number</td>
</tr>
<tr>
<td>partnerReturnablePackagingAccount</td>
<td>Partner Returnable Packaging Account</td>
<td>No</td>
<td>String (21)</td>
<td>Relevant string for returnable packaging account</td>
</tr>
<tr>
<td>partnerReturnablePackagingMaterial</td>
<td>Partner Returnable Packaging Material</td>
<td>No</td>
<td>String</td>
<td>Relevant string for returnable packaging material</td>
</tr>
<tr>
<td>statementStartDate</td>
<td>Statement Start Date</td>
<td>No</td>
<td>Date (yyyy-mm-dd)</td>
<td>For example, 2021-09-21</td>
</tr>
<tr>
<td>Payload Field</td>
<td>Description</td>
<td>Mandatory</td>
<td>Type</td>
<td>Payload Value</td>
</tr>
<tr>
<td>-----------------------</td>
<td>--------------------------</td>
<td>-----------</td>
<td>---------------------------</td>
<td>-------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>statementEndDate</td>
<td>Statement End Date</td>
<td>No</td>
<td>Date (yyyy-mm-dd)</td>
<td>For example, 2021-09-30</td>
</tr>
<tr>
<td>statementReceivedOn</td>
<td>Statement Received Date</td>
<td>No</td>
<td>Date (yyyy-mm-dd)</td>
<td>For example, 2021-09-20</td>
</tr>
<tr>
<td>openingBalance</td>
<td>Opening balance</td>
<td>No</td>
<td>Integer</td>
<td>Relevant integer value for opening balance</td>
</tr>
<tr>
<td>customerNumber</td>
<td>Customer Number</td>
<td>No</td>
<td>String</td>
<td>Relevant string for customer number</td>
</tr>
<tr>
<td>vendorNumber</td>
<td>Vendor Number</td>
<td>No</td>
<td>String</td>
<td>Relevant string for vendor number</td>
</tr>
<tr>
<td>partnerRelation_ID</td>
<td>Additional partner ID</td>
<td>No</td>
<td>String (GUID)</td>
<td>Relevant ID of the additional partner</td>
</tr>
<tr>
<td>returnableAccountID</td>
<td>Returnable account ID</td>
<td>No</td>
<td>String (GUID)</td>
<td>Relevant ID of the returnable account</td>
</tr>
<tr>
<td>balanceUOM_code</td>
<td>Balance unit of measure</td>
<td>Yes</td>
<td>String (10)</td>
<td>Relevant string value to specify unit of measure</td>
</tr>
</tbody>
</table>
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