

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Configuration Guide

SAP Responsible Design and Production Integration with SAP ERP

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Overview

This document provides information about configuration steps to setup the integration content to consume the SAP Responsible Design and Production Integration with SAP ERP package. The primary audience of this document is integration administrators and developers.

This integration package provides sample integration flows and mappings required for integration. The predefined integration flows provide basic capabilities to replicated calculated SAP Responsible Design and Production packaging fees and convert them into Sales and Distribution and Material Management pricing conditions, as well as replication of required data for invoice printing into Material Classification.

The SAP Responsible Design and Production Integration with SAP ERP package allows you to extend the capabilities of the predefined integration content. The extension in the package allows you to implement specific integration scenarios relevant to your business use case without changing the content provided by SAP. See further details of the concept: [Integration Flow Extension](#).

Important: The integration package follows a 1:1 mapping approach where each scenario is mapped to exactly one system and sends to exactly one system. If you need to replicate data to an additional scenario or system, create a copy of the entire package rather than duplicating individual artifacts. The package includes configuration-specific values (such as Condition Table numbers, Condition Types, and Sender profiles) which are maintained through a Value Mapping. This approach ensures that the content remains updatable with future SAP-provided updates.

Required SAP Business Technology Platform Services

The SAP Responsible Design and Production Integration with SAP ERP package is intended to be used for SAP ERP and SAP S/4HANA Public Cloud and requires the following services in SAP Business Technology Platform:

- SAP Responsible Design and Production
- SAP Process Integration runtime
- SAP Integration Suite
- Cloud connector to establish access to SAP ERP On-Premise

Integration Flows

This section explains the integration flows included into the content of the SAP Responsible Design and Production Integration with SAP ERP package.

The SAP Responsible Design and Production Integration with SAP ERP package provides one main flow for data replication and mapping flows. The mapping integration flows extend the main flow and can be extended with additional logic depending on your specific scenarios.

- **Create Pricing Conditions and Material Classifications in SAP ERP** – this integration flow provides the main replication logic. The flow contains sub-processes for support of pulling the data from SAP Responsible Design and Production, delta, and pagination handling, storing the next and delta links. The parameter **Value Mapping Prefix** supports dynamic retrieval of user-defined variables from the Value Mapping artifact.
- **Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports** – this mapping integration flow extends the main flow and provides a template for replication of calculated fees and converting the data into Sales and Distribution (SD) or Materials Management (MM) pricing condition records. Data which cannot be mapped can be filtered out of the process. After the successful mapping, a standard IDOC message (COND_A01) is sent to the SAP ECC system, or an OData or SOAP message is sent to SAP S/4HANA Public Cloud depending on your use case. The integration flow includes support for customer role dependent sales and distribution pricing condition records.
- **Map Packaging Fees to Pricing Conditions and Material Classifications for Spain Plastic Tax** – this mapping integration flow extends the main flow and provides a template for replication of calculated fees and converting the data into Sales and Distribution (SD) pricing condition records for the purposes of the Spain Plastic Packaging Tax.
The flow would also provide capabilities for replicating data required for invoice printing. It contains also mapping to Material Classification based on predefined characteristics in the SAP ERP System. After the successful mapping, a standard IDOC message (CLFMAS02) is sent to the SAP ECC system, or an OData or SOAP message is sent to SAP S/4HANA Public Cloud depending on your use case. For additional details: see [Access Report Documentation](#) and check the report documentation for Spain Plastic Packaging Tax, chapter **Prerequisite Activities for Spain Plastic Packaging Tax**.
- **Map Packaging Fees to Pricing Conditions for CONAI Empty Packaging** - this mapping integration flow extends the main flow and provides a template for replication of calculated fees and converting the data into Sales and Distribution (SD – customer independent and dependent) or Materials Management (MM – company code independent and dependent) pricing condition records only for fees

with empty packaging. Data which cannot be mapped can be filtered out of the process. After the successful mapping, a standard IDoc message (COND_A05) is sent to the SAP ECC system, or an OData message is sent to SAP S/4HANA Public Cloud depending on your use case. For additional details, go to [Access Report Documentation](#) and check the report documentation CONAI EPR report, chapter **Prerequisite Activities for CONAI EPR Report**.

- **DEPRECATED Send Records to SAP ERP Systems** – this integration flow is deprecated and will not be supported from May 2026. Please use Send Records to SAP ERP version 2.0.0 or above. Send Records to SAP ERP integration flow sends IDocs to exactly one SAP ERP system. If sending to multiple systems is required, create a copy of the entire package for each additional system.
- **Send Pricing Condition Records to S/4HANA Public Cloud** - this integration flow provides the possibility to send pricing condition records for Sales and Distribution (SD) and Material Management (MM) to an S/4HANA Public Cloud system.
- **Maintain Customer Roles in SAP ERP** – this integration flow provides a template for customer role replication and converting the data into Customer Master Data records. Data which cannot be mapped can be filtered out of the process. After the successful mapping, a standard IDoc message (DEBMAS01) is sent to the SAP ECC system, or a SOAP message is sent to SAP S/4HANA Public Cloud depending on your use case. **Value Mapping Prefix** is used to support dynamic retrieval of placeholder values in Message Mappings in cases where multiple system-specific configurations are maintained in the Value Mapping.
- **Receive SOAP Confirmation and Start Follow-Up Processing** – this integration flow provides the possibility of receiving SOAP confirmation messages from SAP ERP and SAP S/4HANA systems and routing them to specific process handlers.

Message Mappings

This section explains the message mappings included into the content of the [SAP Responsible Design and Production Integration with SAP ERP](#) package.

- **Sales And Distribution Mapping** – message mapping for Sales and Distribution (SD) pricing condition records with support for both customer role dependent and independent pricing conditions.
- **Sales And Distribution ZESP Mapping** – message mapping for Sales and Distribution (SD with ZESP condition type) pricing condition records.
- **Sales And Distribution ZEST Mapping** – message mapping for Sales and

- Distribution (SD with ZEST condition type) pricing condition records.
- **Sales And Distribution ZCON Mapping** – message mapping for Sales and Distribution (SD with ZCON condition type) pricing condition records for CONAI Empty Packaging.
 - **Sales And Distribution ZESE Mapping** – message mapping for Sales and Distribution (SD with ZESE condition type) pricing condition records for CONAI Empty Packaging.
 - **Sales and Distribution Mapping for S/4HANA Public Cloud** – message mapping for Sales and Distribution (SD) pricing condition records for S/4HANA Public Cloud
 - **Sales and Distribution ZCON Mapping for S/4HANA Public Cloud** – message mapping for Sales and Distribution (SD with ZCON condition type) pricing condition records to S/4HANA Public Cloud for CONAI Empty Packaging.
 - **Sales and Distribution ZESE Mapping for S/4HANA Public Cloud** – message mapping for Sales and Distribution (SD with ZESE condition type) pricing condition records to S/4HANA Public Cloud for CONAI Empty Packaging.
 - **Sales and Distribution ZESP Mapping for S/4HANA Public Cloud** – message mapping for Sales and Distribution (SD with ZESP condition type) pricing condition records to S/4HANA Public Cloud for Spain Plastic Tax.
 - **Sales and Distribution ZEST Mapping for S/4HANA Public Cloud** – message mapping for Sales and Distribution (SD with ZEST condition type) pricing condition records to S/4HANA Public Cloud for Spain Plastic Tax.
 - **Material Management Mapping** – Material Management (MM) pricing conditions mapping template with supplier extension.
 - **Material Management Mapping ZCON Mapping** – Material Management (MM with ZCON condition type) pricing conditions mapping template for CONAI Empty Packaging.
 - **Material Management Mapping ZESE Mapping** – Material Management (MM with ZESE condition type) pricing conditions mapping template for CONAI Empty Packaging.
 - **Material Management Mapping for S/4HANA Public Cloud** - message mapping for Material Management (MM) pricing condition records for S/4HANA Public Cloud.
 - **Material Management ZCON Mapping for S/4HANA Public Cloud** - message mapping for Material Management (MM with ZCON condition type) pricing condition records to S/4HANA Public Cloud for CONAI Empty Packaging.
 - **Material Management ZCON Mapping for S/4HANA Public Cloud** - message mapping for Material Management (MM with ZESE condition type) pricing condition records to S/4HANA Public Cloud for CONAI Empty Packaging.
 - **Material Classification Mapping** – message mapping for Material Classification (MC).

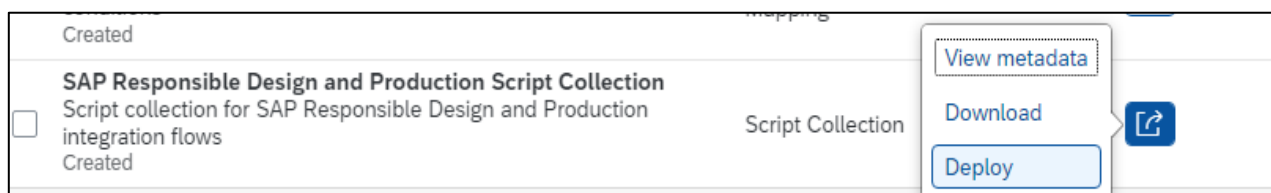
- **Customer Roles Mapping** – message mapping for customer roles to SAP ERP Customer Master Data
- **Customer Roles Mapping for S/4HANA Public Cloud** – message mapping for customer roles to Customer Master Data for S/4HANA Public Cloud
- **DEPRECATED - Material Classification Mapping** – the artefact is deprecated and will not be supported from 27 February 2027. Please use Material Classification Mapping version 2.0.0 or above.
- **DEPRECATED – Sales and Distribution Mapping (old version)** – the previous version (1.0.x) of the Sales and Distribution Mapping artifact is deprecated and will not be supported from May 2026. Please use Sales and Distribution Mapping version 2.0.0 or above, which supports both customer role dependent and independent pricing conditions.

Script Collection

This section explains the script collection included into the content of the SAP Responsible Design and Production Integration with SAP ERP package.

The SAP Responsible Design and Production Integration with SAP ERP package provides one script collection for storing all scripts used in the integration flows. Message Mappings use local scripts, separate from this collection.

- **SAP Responsible Design and Production Script Collection** – Collection of all scripts used in the integration flows



Value Mapping

This section explains the Value Mappings included in the content of the SAP Responsible Design and Production Integration with SAP ERP package.

The Value Mappings should be modified depending on the specific mapping scenarios.

Important: The Value Mapping artifact is global – it is shared across all RDP-related integration flows even in other packages. All system-specific values are centrally maintained. In cases where values for multiple systems and scenarios need to be maintained, all values should be added in the original value mapping instead of making copies of this artifact.

<input type="checkbox"/>	Script collection for SAP Responsible Design and Production integration flows Created	Script Collection	1.2.0	View metadata	
<input type="checkbox"/>	SAP Responsible Design and Production Value Mapping Value mapping for SAP Responsible Design and Production Created	Value Mapping	1.0.1	Download	
<input type="checkbox"/>	Send IDocs to SAP ERP Systems Flow for sending IDocs to SAP ERP systems	Integration Flow	1.0.0	Configure	
				Deploy	

Bi-Directional Mapping Search

Agency	Identifier	Agency	Identifier	State
SAP Responsible Design and Production	[Private Cloud/On-Premise] Extended Producer Responsibility	Property	Value	
SAP Responsible Design and Production	[Public Cloud] CONAI Empty Packaging	Property	Value	
SAP Responsible Design and Production	[Public Cloud] Extended Producer Responsibility	Property	Value	
SAP Responsible Design and Production	[Private Cloud/On-Premise] General Configurations	Property	Value	
SAP Responsible Design and Production	Customer Role	SAP ERP	Customer Condition Group	

⋮

Value Mappings: Default Values:

Value Mappings for Search

Property	Value
Sender Port	XXXX
Sender Partner Type	XX
Sender Partner Number	SNDECLNTXXX
Receiver Port	XXXX
Receiver Partner Type	XX

⋮

Usage:
 ValueMap (Source agency, Source identifier, Source value, Target agency, Target identifier) = Target value;
 Example:
 ValueMap (SAP Responsible Design and Production, [Private Cloud/On-Premise] General Configurations, Sender Port, Property, Value) = XXXX;
 ValueMap (Property, Value, XXXX, SAP Responsible Design and Production, [Private Cloud/On-Premise] General Configurations) = Sender Port;

Edge Integration Cell Deployment

Starting from version 1.11.0, integration flows have been validated for compatibility with Edge Integration Cell deployment.

Supported Scenarios

Important: For each scenario you want to implement, refer to the list of artifacts in Required Artifacts and Configuration section. If you need to replicate to an additional system, create a copy of the entire package. Do not duplicate individual artifacts.

I. Support for SAP ERP and SAP S/4HANA (On Premise)

- Extended Producer Responsibility Reports
- Spain Plastic Tax
- CONAI Empty Packaging
- Extended Producer Responsibility Reports with support for customer roles

Required Artifacts and Configuration

Extended Producer Responsibility Reports

Deployment Order:

1. SAP Responsible Design and Production Script Collection
2. Material Management Mapping
3. Sales And Distribution Mapping
4. Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports
5. Create Pricing Conditions and Material Classifications to SAP ERP

Configuration:

Configure Extension for Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports with Material Management Mapping and Sales and Distribution Mapping.

Required configurations for mapping groups:

- [Private Cloud/On-Premise] General Configurations
- [Private Cloud/On-Premise] Extended Producer Responsibility

Spain Plastic Tax

Deployment Order:

1. SAP Responsible Design and Production Script Collection
2. Material Classification Mapping
3. Sales And Distribution ZEST Mapping
4. Sales And Distribution ZESP Mapping
5. Map Packaging Fees to Pricing Conditions and Material Classifications for Spain Plastic Tax
6. Receive SOAP Confirmation and Start Follow-Up Processing
7. Create Pricing Conditions and Material Classifications to SAP ERP

Configuration:

Configure the main integration flow Create Pricing Conditions and Material Classifications to SAP ERP with “Packaging Fee Extension Enabled” set to “true”.

Required configurations for mapping groups:

- [Private Cloud/On-Premise] General Configurations

CONAI Empty Packaging

Deployment Order:

1. SAP Responsible Design and Production Script Collection
2. Material Management ZESE Mapping
3. Material Management ZCON Mapping
4. Sales and Distribution ZESE Mapping
5. Sales and Distribution ZCON Mapping
6. Map Packaging Fees to Pricing Conditions for CONAI Empty Packaging
7. Create Pricing Conditions and Material Classifications to SAP ERP

Configuration:

Configure the main integration flow Create Pricing Conditions and Material Classifications to SAP ERP with “CONAI Packaging Fee Extension Enabled” set to “true”.

Required configurations for mapping groups:

- [Private Cloud/On-Premise] General Configurations

Extended Producer Responsibility Reports with support for customer roles

Deployment Order:

1. SAP Responsible Design and Production Value Mapping
2. SAP Responsible Design and Production Script Collection
3. Material Management Mapping
4. Sales And Distribution Mapping
5. Customer Roles Mapping
6. Send Records to SAP ERP
7. Maintain Customer Roles in SAP ERP
8. Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports
9. Create Pricing Conditions and Material Classifications to SAP ERP

Configuration:

Configure the artifact Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility with Sales and Distribution Mapping with support for Customer Role dependent Pricing Conditions. Configure the main integration flow Create Pricing Conditions and Material Classifications to SAP ERP with “Include Customer Role Dependent Fees” set to “true”.

II. Support for SAP S/4HANA Public Cloud

- Extended Producer Responsibility Reports
- Spain Plastic Tax
- CONAI Empty Packaging
- Extended Producer Responsibility Reports with support for customer roles

Required Artifacts and Configuration

Extended Producer Responsibility Reports

Deployment Order:

1. SAP Responsible Design and Production Script Collection
2. Material Management Mapping for S/4HANA Public Cloud
3. Sales And Distribution Mapping for S/4HANA Public Cloud
4. Send Pricing Condition Records to S/4HANA Public Cloud
5. Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports
6. Create Pricing Conditions and Material Classifications to SAP ERP

Configuration:

- Configure the authentication method for the integration flow Send Pricing Condition Records to S/4HANA Public Cloud. You have the following options:
 - Basic authentication: configure the credential name and host.
 - Authentication with Client Certificate: configure the host and the Private Key Alias. You can also import your own certificate.For more information, see **Setup and Configuration for SAP S/4HANA Public Cloud**.
- Configure the integration flow Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports with:
 - Material Management Mapping for S/4HANA Public Cloud
 - Sales and Distribution Mapping for S/4HANA Public Cloud
- Configure the main integration flow Create Pricing Conditions and Material Classifications to SAP ERP with “S/4HANA Public Cloud Integration Enabled” set to “true”.

Required configurations for mapping groups:

- [Public Cloud] Extended Producer Responsibility

Spain Plastic Tax

Deployment Order:

1. SAP Responsible Design and Production Script Collection
2. Material Classification Mapping
3. Sales and Distribution ZESP Mapping for S/4HANA Public Cloud
4. Sales and Distribution ZEST Mapping for S/4HANA Public Cloud
5. Send Pricing Condition Records to S/4HANA Public Cloud
6. Map Packaging Fees to Pricing Conditions and Material Classifications for Spain Plastic Tax
7. Receive SOAP Confirmation and Start Follow-Up Processing
8. Create Pricing Conditions and Material Classifications to SAP ERP

Configuration:

- Configure the authentication method for the integration flow Send Pricing Condition Records to S/4HANA Public Cloud. You have the following options:
 - Basic authentication: configure the credential name and host.
 - Authentication with Client Certificate: configure the host and the Private Key Alias. You can also import your own certificate.For more information, see **Setup and Configuration for SAP S/4HANA Public Cloud**.
- Configure the integration flow Map Packaging Fees to Pricing Conditions and Material Classifications for Spain Plastic Tax with the following message mappings:
 - Material Classification Mapping
 - Sales and Distribution ZESP Mapping for S/4HANA Public Cloud

- Sales and Distribution ZEST Mapping for S/4HANA Public Cloud
- Configure the main integration flow Create Pricing Conditions and Material Classifications to SAP ERP with “Packaging Fee Extension Enabled” and “S/4HANA Public Cloud Integration Enabled” set to “true”.

CONAI Empty Packaging

Deployment Order:

9. SAP Responsible Design and Production Script Collection
10. Material Management ZESE Mapping for S/4HANA Public Cloud
11. Material Management ZCON Mapping for S/4HANA Public Cloud
12. Sales and Distribution ZESE Mapping for S/4HANA Public Cloud
13. Sales and Distribution ZCON Mapping for S/4HANA Public Cloud
14. Send Pricing Condition Records to S/4HANA Public Cloud
15. Map Packaging Fees to Pricing Conditions for CONAI Empty Packaging
16. Create Pricing Conditions and Material Classifications to SAP ERP

Configuration:

- Configure the authentication method for the integration flow Send Pricing Condition Records to S/4HANA Public Cloud. You have the following options:
 - Basic authentication: configure the credential name and host.
 - Authentication with Client Certificate: configure the host and the Private Key Alias. You can also import your own certificate.
 For more information, see **Setup and Configuration for SAP S/4HANA Public Cloud**.
- Configure the integration flow Map Packaging Fees to Pricing Conditions for CONAI Empty Packaging with the following message mappings:
 - Sales and Distribution ZCON Mapping for S/4HANA Public Cloud
 - Sales and Distribution ZESE Mapping for S/4HANA Public Cloud
 - Material Management ZCON Mapping for S/4HANA Public Cloud
 - Material Management ZESE Mapping for S/4HANA Public Cloud
- Configure the main integration flow Create Pricing Conditions and Material Classifications to SAP ERP with “CONAI Packaging Fee Extension Enabled” and “S/4HANA Public Cloud Integration Enabled” set to “true”.

Required configurations for mapping groups:

- [Public Cloud] CONAI Empty Packaging

Extended Producer Responsibility Reports with support for customer roles

Deployment Order:

1. SAP Responsible Design and Production Value Mapping
2. SAP Responsible Design and Production Script Collection
3. Sales And Distribution Mapping for S/4HANA Public Cloud
4. Customer Roles Mapping for S/4HANA Public Cloud
5. Send Pricing Condition Records to S/4HANA Public Cloud
6. Maintain Customer Roles in SAP ERP
7. Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports
8. Create Pricing Conditions and Material Classifications to SAP ERP

Configuration:

- Configure the authentication method for the integration flow Send Pricing Condition Records to S/4HANA Public Cloud. You have the following options:
 - Basic authentication: configure the credential name and host.
 - Authentication with Client Certificate: configure the host and the Private Key Alias. You can also import your own certificate.
For more information, see **Setup and Configuration for SAP S/4HANA Public Cloud**.
- Configure Maintain Customer Roles in SAP ERP with:
 - Customer Roles Mapping for S/4HANA Public Cloud
 - "S/4HANA Public Cloud Integration Enabled" set to "true"
 - Max Message Batch Size: 1
- Receiver: "S4HANA_PUBLIC_CLOUD". You have the following options:
 - Basic authentication: configure the credential name and host.
 - Authentication with Client Certificate: configure the host and the Private Key Alias. You can also import your own certificate.
For more information, see **Setup and Configuration for SAP S/4HANA Public Cloud**.
- Configure the integration flow Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports with:
 - Sales and Distribution Mapping for S/4HANA Public Cloud
- Configure the main integration flow Create Pricing Conditions and Material Classifications to SAP ERP with "S/4HANA Public Cloud Integration Enabled" set to "true".

Replicate to Additional Systems or Scenarios

Procedure:

In the integration package each scenario is mapped to exactly one system and sends to exactly one system. If replication for an additional system or scenario is required, follow the steps:

1. Create a copy of the entire integration package
2. If the values in the Value Mapping are used by the first package, you need to duplicate the configurations with a Prefix in the original Value Mapping, for example: "SYS2 <configuration name>".
3. In the relevant flows: Create Pricing Conditions and Material Classifications to SAP ERP and Maintain Customer Roles in SAP ERP, configure the Value Mapping Prefix in the copy package.
Note: To use values with a Prefix, it needs to be specified, for example: SYS2. To use the values provided by default, leave it empty.
4. Configure the connection details (credentials, host) for the new target system
5. Deploy the copied package

This approach ensures each package instance handles exactly one scenario-to-system mapping, maintaining consistency and preserving the update option. Do not copy individual artifacts, as this may result in loss of the update option.

Setup and Configuration for SAP ERP and SAP S/4HANA (On Premise)

This section explains how to set up the integration content that is required for the [SAP Responsible Design and Production Integration with SAP ERP](#) package for SAP ERP and SAP S/4HANA (On Premise).

Connectivity Configuration Steps

Configure SAP Cloud Connector

The Cloud connector needs to be configured to allow connections from Cloud Integration as per the standard security practices for BTP accounts.

[Configure SAP Cloud Connector](#) to enable secure tunnel for IDoc calls, add mapping with HTTPS protocol and enable the iDoc service for /sap/bc/idoc_xml.

Make sure the IDoc service is activated in the SAP ERP.

To persist pricing conditions in SAP ERP, the COND_A01 IDoc and COND_A05 IDoc are used.
To persist Characteristic in Material Classification in SAP ERP, the CLFMAS02 IDoc is used.

Creating Sender Partner Profiles on the SAP ERP (receiver system) for processing IDoc
Creating Sender Partner Profiles on the SAP ERP (receiver system) for processing IDoc (see detail in SAP Help [Sender Partners Profiles](#))

Note that the created partner profile needs to be set into the mapping (see section “Modify Mappings”)

- Sender Info > Port
- Sender Info > Partner Type
- Sender Info > Partner number

Import, configure and deploy cloud integration content

The integration content package [SAP Responsible Design and Production Integration with SAP ERP](#) is available in SAP API Business hub to integrate SAP Responsible Design and Production Integration with SAP ERP.

The data is extracted via the public Packaging Fees REST API. Once converted based on the predefined mappings, the data is inserted as pricing condition records and material classification using standard IDoc messages (COND_A01, COND_A05 and CLFMAS02) in SAP ERP.

Add integration package to your SAP Cloud Integration tenant.

To be able to import and deploy integration flows, you need integration developer assigned in your tenant.

Details of required steps: [SAP Help > Add Integration Packages to the Customer Workspace](#)

Configure Receiver and Sender in Cloud Integration

1. Create credentials for receiver (SAP Responsible Design and Production) and sender (SAP ERP)

Within Cloud Integration, go to Manage Security section > Security Material (see details SAP Help [Managing Security Material](#))

- Receiver (SAP Responsible Design and Production) – use OAuth2 Client Credentials (see details on SAP Help [Deploying an OAuth2 Client Credentials Artifact](#))
- Token Service URL - use the below value, by replacing the subdomain:
https://{tenant-

subdomain}}.authentication.eu20.hana.ondemand.com/oauth/token

- Create a Service Instance and Service Key (see details on SAP Help [Create a](#)

[Service Instance and Service Key](#))

Note: In case the service instance and key are already create, use the client id and client secret.

- For sender (SAP ERP) – use User Credentials (see details on SAP Help [Deploying a User Credentials Artifact](#))
- Set technical username and password.

2. Configure Responsible Design and Production Host

- Within the Cloud Integration, go to SAP Responsible Design and Production Integration with SAP ERP package.
- Open the Create Pricing Conditions and Material Classifications to SAP ERP integration flow.
- Click on “Configure” button (right-upper corner) and open “Receiver” tab.
- Select “SAP_Responsible_Design_and_Production” from the “Receiver” drop-down.
- Set the Responsible Design and Production host of the Customer subdomain in field “Host”
- Set the Credential Name from step Create credentials for receiver (SAP Responsible Design and Production) and sender (SAP ERP)
- Press “Save”

Configure "Create Pricing Conditions and Material Classifications to SAP ERP"

Timer Receiver More

Receiver: SAP_Responsible_Design_and_Production

Adapter Type: HTTP

Connection

Address:

Host:

Credential Name:

Save Deploy Close

Configure Mapping Extension Receiver

- Within the Cloud Integration, go to SAP Responsible Design and Production Integration with SAP ERP package
- Open the Create Pricing Conditions and Material Classifications to SAP ERP integration flow
- Click on “Configure” button (right-upper corner) and open “Receiver” tab
- Select “MAPPING_FLOW” from the “Receiver” drop-down
- Set custom name in field “Address” (example: /sdAndMm/pricingconditions)

Note: The Address should begin with alphanumeric or ‘/’ character. It can also contain ‘_’, ‘/’, and ‘-’. Also, you can use expression. For example: \${header.address} Parameter Name : Mapping Extension URL

- Press “Save”
- The value set in the “Address” field shall be set in the mapping integration flow:
- Open one of the following integration flow extensions depending on the use case:
 - Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Report
 - Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Report configured with Sales and Distribution Mapping with support for Customer Role dependent Pricing Conditions
 - Map Packaging Fees to Pricing Conditions and Material Classifications for Spain Plastic Tax
 - Map Packaging Fees to Pricing Conditions for CONAI Empty Packaging
- Click on “Configure” button (right-upper corner) and open “Sender” tab
- Set the Address value created in the main flow in field “Address”

Configure "Create Pricing Conditions and Material Classifications to SAP ERP"

Timer **Receiver** More

Receiver:

Adapter Type:

Connection

Address:

[Save](#) [Deploy](#) [Close](#)

Configure "Map Packaging Fees to Pricing Conditions and Material Classifications for Spain Plastic Tax"

Sender More

Sender:

Adapter Type:

Connection

Address:

[Save](#) [Deploy](#) [Close](#)

Configure replication frequency.

By default, the replication frequency is set to recur once per day at midnight. To change the replication schedule:

1. Go to SAP Responsible Design and Production Integration with SAP ERP package.
2. Open the Create Pricing Conditions and Material Classifications to SAP ERP integration flow.
3. Click on “Configure” button (right-upper corner)
4. Configure the desired frequency (tab Timer)

The screenshot shows a configuration window titled "Configure 'Create Pricing Conditions and Material Classifications to SAP ERP'". It has three tabs: "Timer", "Receiver", and "More". The "Timer" tab is active. The configuration includes:

- Timer: Start Timer [StartEvent_87]
- Run Once:
- Schedule on Day: Daily
- Schedule to Recur: On Time, Every
- On Time: 12:00 AM
- Every: 1 min
- Between: 00:00 and 01:00
- Time Zone: (UTC 0:00) Greenwich Mean Time(Etc/GMT)

At the bottom right, there are buttons for "Save", "Deploy", and "Close".

Configure filters

By default, no replication filters are set. To add a replication filter:

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the Create Pricing Conditions and Material Classifications to SAP ERP integration flow
3. Click on “Configure” button (right-upper corner)
4. Open tab “More “
5. In fields “Report Category”, “Report Configuration” and/or “Report Country” add the desired filter values comma separated.
Example: In field Report Configuration enter values: VIRT_SOUTH_01, VIRT_SOUTH_02

Configure "Create Pricing Conditions and Material Classifications to SAP ERP"

Timer Receiver **More**

Type:	All Parameters	▼
CONAI Packaging Fee Extension Enabled:	false	ⓘ
Include Customer Role Dependent Fees:	false	ⓘ
Packaging Fee Extension Enabled:	false	ⓘ
Page Size:	500	ⓘ
Report Category:		ⓘ
Report Configuration:	**anonymized**	ⓘ
Report Country:		ⓘ
S/4HANA Public Cloud Integration Enabled:	false	ⓘ
SOAP Request Processing Enabled:	true	ⓘ
Splitter Batch Size:	250	ⓘ
Suppliers Enabled:	false	ⓘ
Value Mapping Prefix:		ⓘ

Important note: In case you need to modify the replication filters after the replication process is started and the delta replication process is ongoing, a new full (initial) load shall be initiated. See section [Full and Delta replication](#).

Configure Value Mapping Prefix:

The integration flow "Create Pricing Conditions and Material Classifications to SAP ERP" includes the externalized parameter Value Mapping Prefix. This prefix is used to dynamically retrieve the correct set of placeholder values from the Value Mapping at runtime. Each message mapping calls the Value Mapping using this prefix to obtain configuration values (for example, Condition Table number, Condition Type, Sender profiles).

Open the tab "More" and configure the Value Mapping Prefix parameter with the appropriate prefix for your scenario.

Setup and Configuration for SAP S/4HANA Public Cloud

This section explains how to set up the integration content that is required for the SAP Responsible Design and Production Integration with SAP ERP package for SAP S/4HANA Public Cloud.

Connectivity Configuration Steps

Configure Communication System in S/4HANA Public Cloud

Configure a Communication System in your S/4HANA Public Cloud and enable the following inbound Communication Arrangements:

- Pricing Data Integration (SAP_COM_0294)
- Product Lifecycle Management - Variant Configuration Integration (SAP_COM_0149)

Configure authentication in Cloud Integration

Depending on the authentication method used in the configured Communication System and Communication Arrangements, you must also configure the respective Security Material or Keystore Entries in Cloud Integration. (For more details, see: [Managing Security Material | SAP Help Portal](#) and [Managing Keystore Entries | SAP Help Portal](#).)

Import, configure and deploy cloud integration content

The integration content package SAP Responsible Design and Production Integration with SAP ERP is available in SAP API Business hub to integrate SAP Responsible Design and Production Integration with SAP ERP.

The data is extracted via the public Packaging Fees REST API. Once converted based on the predefined mappings, the data is inserted as pricing condition records using OData or SOAP messages in S/4HANA Public Cloud.

Add integration package to your SAP Cloud Integration tenant

To be able to import and deploy integration flows, you need integration developer assigned in your tenant.

Details of required steps: [SAP Help > Add Integration Packages to the Customer Workspace](#)

Configure Receiver and Sender in Cloud Integration

Configure Responsible Design and Production Host and S4HANA_PUBLIC_CLOUD address

Timer **Receiver** More

Receiver: S4HANA_PUBLIC_CLOUD

Adapter Type: ProcessDirect

Connection

Address: **anonymized**

Save Deploy Close

Configure Mapping Extension Receiver

- Within Cloud Integration, go to SAP Responsible Design and Production Integration with SAP ERP package
- Open the Create Pricing Conditions and Material Classifications to SAP ERP integration flow
- Click on “Configure” button (right-upper corner) and open “Receiver” tab
- Select “MAPPING_FLOW” from the “Receiver” drop-down
- Set custom name in field “Address” (example: /sdAndMm/pricingconditions)

Note: The Address should begin with alphanumeric or ‘/’ character. It can also contain ‘_’, ‘/’, and ‘-’. Also, you can use expression. For example: \${header.address} Parameter

Name : Mapping Extension URL

- Press “Save”
- The value set in the “Address” field shall be set in the mapping integration flow:
- Open the following integration flow extensions depending:
 - Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Report
- Click on “Configure” button (right-upper corner) and open “Sender” tab
- Set the address value created in the main flow in field “Address”

Configure "Create Pricing Conditions and Material Classifications to SAP ERP"

Timer **Receiver** More

Receiver: MAPPING_FLOW

Adapter Type: ProcessDirect

Connection

Address: **anonymized**

Save Deploy Close

Configure "Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports"

Sender **More**

Sender: Sender

Adapter Type: ProcessDirect

Connection

Address: **anonymized**

Save Deploy Close

Configure replication frequency

By default, the replication frequency is set to recur once per day at midnight. To change the replication schedule:

6. Go to SAP Responsible Design and Production Integration with SAP ERP package.
7. Open the Create Pricing Conditions and Material Classifications to SAP ERP integration flow.
8. Click on "Configure" button (right-upper corner)
9. Configure the desired frequency (tab Timer)

Configure "Create Pricing Conditions and Material Classifications to SAP ERP"

Timer Receiver More

Timer: Start Timer [StartEvent_87]

Run Once
 Schedule on Day
 Schedule to Recur

Schedule to Recur: Daily

On Time: 12:00 AM
 Every: 1 min Between 00:00 and 01:00

Time Zone: (UTC 0:00) Greenwich Mean Time(Etc/GMT)

Save Deploy Close

Configure filters

By default, no replication filters are set. To add a replication filter:

10. Go to SAP Responsible Design and Production Integration with SAP ERP package
 11. Open the Create Pricing Conditions and Material Classifications to SAP ERP integration flow
 12. Click on "Configure" button (right-upper corner)
 13. Open tab "More "
 14. In fields "Report Category", "Report Configuration" and/or "Report Country" add the desired filter values comma separated.
- Example: In field Report Configuration enter values: VIRT_SOUTH_01, VIRT_SOUTH_02

Configure "Create Pricing Conditions and Material Classifications to SAP ERP"

Timer Receiver **More**

Type:	All Parameters	▼
CONAI Packaging Fee Extension Enabled:	false	ⓘ
Include Customer Role Dependent Fees:	false	ⓘ
Packaging Fee Extension Enabled:	false	ⓘ
Page Size:	500	ⓘ
Report Category:		ⓘ
Report Configuration:	**anonymized**	ⓘ
Report Country:		ⓘ
S/4HANA Public Cloud Integration Enabled:	false	ⓘ
SOAP Request Processing Enabled:	true	ⓘ
Splitter Batch Size:	250	ⓘ
Suppliers Enabled:	false	ⓘ
Value Mapping Prefix:		ⓘ

Important note: In case you need to modify the replication filters after the replication process is started and the delta replication process is ongoing, a new full (initial) load shall be initiated. See section Full and Delta replication.

Configuration for Supported Scenarios

Configure Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports mapping flow

Support for SAP ERP and SAP S/4HANA (On Premise)

Modify Sales and Distribution Mapping and Material Management Mapping

The message mappings contain example mappings of the PackagingFees REST API attributes to iDoc structure for SD and MM pricing conditions. Message mappings are dynamic, and IFlow can be configured to use custom Message Mappings. To use different from the default Message Mapping the ID from the Metadata of the message mapping must be provided as configuration property.

1. Open the **Sales And Distribution Mapping** and **Material Management Mapping**
2. The following values shall be modified in the mapping:
 - Sender profiles – see section *Creating Sender Partner Profiles on the SAP ERP (receiver system) for processing IDoc*
 - Condition Table – number of the target condition table
 - Condition Type – type of the target condition type
 - Value Key (VAKEY) – mandatory field for creation of pricing condition record. The field is a concatenated value that contains combination of key fields used in the pricing condition table. The mapping artifact contains logic for generation of value key.

Value Key generation logic

The key is generated based on the order of the Organization and Master key fields of a pricing condition table.

Example for SD table A304 / A004 - value key is concatenated value of the below fields in the following order:

- sales org (STBL)
- distribution channel (10)
- material (21)

Example Value Key (VAKEY) value: STBL10000000000000000021

Note: In case the values of the respective field are not the max length, zeros are added as prefix (example: product id=21, value would be 000000000000000021) in case the value contains only numbers.

Important note: For the generation of DOCNUM and SERIAL values the same implementation is used. In case you need to add a custom script or mapping for the generation of one of the attributes (e.g DOCNUM), make sure to maintain the same script/mapping for the other one (e.g SERIAL).

In case the target condition table contains different key fields, the logic for the value key shall be adapted. In the Mapping Expression window of field VAKEY, change the following parameters:

- Within *padLeftForNumeric* custom script, set the *value* and *valueLength* of the designed attribute
- Repeat this step for all key fields of the pricing condition table
- Concatenated them based on the order of the Organization and Master key fields of the target pricing condition table

Integrations / SAP Responsible Design and Production Integration with SAP ERP / Sales And Distribution Mapping / Sales And Distribution Mapping

root

Structure	Occurrence
root	1.1
value	1.*
Product	0.1
ValidFrom	0.1
ValidTo	0.1
ReportConfiguration	0.1
ReportCategory	0.1
ReportCategoryCountry	0.1
ReportCategoryRegion	0.1
ApplicableOrganizationData	0.1
ReferenceQuantity	0.1
BaseUnitOfMeasure	0.1

COND_A01

Structure	Occurrence
COND_A01	1.1
IDOC	1.*
@BEGIN	0.1
EDL_DC40	1.1
E1K0MG	1.1
@SEGMENT	0.1
MATNR	0.1
VAKEY	0.1
LAND1	0.1
REGIO	0.1
BUKRS	0.1
VKORG	0.1

Mapping Expression

Test Input File: Upload test file

Select a mapping

IDOC Segment Structure	System Fields	iDoc SEGMENT.FIELD	Sample Value
Control Record	Segment	<EDI_DC40 SEGMENT="1">	1
	Table Name	<TABNAM>EDI_DC40</TABNAM>	EDI_DC40
	Document Number	<DOCNUM>16663613051</DOCNUM>	timestamp + counter
	EDI/ALE: Serialization field	<SERIAL>16663613051</SERIAL>	timestamp + counter
	Direction	<DIRECT>2</DIRECT>	Constant value = 2 (Inbound)
	Basic Type	<IDOCTYP>COND_A01</IDOCTYP>	COND_A01
	Message Type	<MESTYP>COND_A</MESTYP>	COND_A
	Sender Info > Port	<SNDPOR>ZRDP</SNDPOR>	Value shall be configured by Customer depending on Target System
	Sender Info > Partner Type	<SNDPRT>LS</SNDPRT>	Value shall be configured by Customer depending on Target System
	Sender Info > Partner number	<SNDPRT>LS</SNDPRT>	Value shall be configured by Customer depending on Target System
	Receiver Info > Port	<RCVPOR>ZRDP</RCVPOR>	
Receiver Info > Partner Type	<RCVPRT>ZR</RCVPRT>		
Receiver Info > Partner number	<RCVPRN>ZRDP</RCVPRN>		
E1KONG	Condition Table	E1KONG.KVEWE	Value shall be configured by Customer depending on Target Condition Table
		E1KONG.KOTABNR	Value shall be configured by Customer depending on Target Condition Table
	Condition Type	E1KONG.KSCHL	Value shall be configured by Customer depending on Target Condition Type
		E1KONG.KSCHL	Value shall be configured by Customer depending on Target Condition Type
	Application	E1KONG.KAPPL	Value shall be configured by Customer depending on target SD or MM: "V" for SD / "M" for MM

Replicated from ERP	PackagingFees API field	iDoc SEGMENT.FIELD	Field in ECC Pricing Condition Table
MARA.MATNR	productId	E1KONG.MATNR	A***.MATNR
n/a	n/a	E1KONG.VAKEY Field with concatenated value that contains combination of key fields used in the condition table	n/a
n/a	validFrom	E1KONH.DATAB	A***.DATAB (Condition Table) KONH.DATAB (Condition Header Table)
	validTo	E1KONH.DATBI	A***.DATBI (Condition Table) KONH.DATAB (Condition Header Table)
n/a	reportConfigurationId	n/a	n/a
n/a	reportCategoryId	n/a	n/a
n/a	reportCategoryCountry	E1KONG.LAND1	A***.LAND1
n/a	ReportCategoryRegion	E1KONG.REGIO	A***.REGIO
T001.BUKRS	CompanyCode	E1KONG.BUKRS	A***.BUKRS
TVKO.VKORG	SalesOrganization	E1KONG.VKORG	A***.VKORG
VTW.VTWEW	DistributionChannel	E1KONG.VTWEW	A***.VTWEW
TSPA.SPART	Division	E1KONG.SPART	A***.SPART
n/a	ReferenceQuantity	E1KONP.KPEIN	KONP.KPEIN (Condition pricing unit)
MARA.MEINS	BaseUnitOfMeasure	E1KONP.MEINS (base unit of measure) or E1KONP.KMEIN (condition unit of measure)	KONP.MEINS or KONP.KMEIN
n/a	ShipToPartyRole	n/a	n/a
n/a	TotalFee	E1KONP.KBETR	KONP.KBETR (Condition Amount)
n/a	Currency	E1KONP.KONWA	KONP.KONWA Rate unit (currency or percentage)

Additional Supplier information configuration for Material Management

For **Material management mapping** VAKEY Is generated from variables VAKEY_SUPPLIER and VAKEY_INDEPEDANT. VAKEY_SUPPLIER variable is using example table A018, for that table VAKEY build as follows Vendor/Material/Purchasing Organization/Purchasing Info record category. For example, table A018 trailing white spaces must be added after each property. VAKEY_INDEPEDANT variable is working the same way as it is already described above in "Modify Sales and Distribution Mapping and Material Management Mapping"

In case whitespaces are not needed create VakeyAttribute.groovy script must be adjusted from the mapping the following way:

return value.padRight(valueLength) -> return value

/root/value

[not(empty(ApplicableOrganizationData/CompanyCode/text()))]

- In case no filters are required, please set */root/value*
- *In case IDOC generation for Material Management must be skipped, please set /root [value='excludeSubprocess']*
- MM Mapping – this property points to the desired message mapping that needs to be used for generating IDocs and allows custom message mappings to be used instead of the provided templates. By default, points to the Material Management template mapping from the package. This property accepts only the ID of the message mappings, and ID can be captured from the metadata of the artifact.

Sales and Distribution pricing conditions

- SD Response Filter - this filter can be used to filter the packaging fees data coming from SAP Responsible Design and Production to ensure data consistency for Sales and Distribution pricing conditions
- Example: In case the data shall be replicated only in case all the three Sales Area objects are not empty (Sales Organization, Distribution Channel and Division fields in case they are used as key values in the target pricing condition table), the following value can be added in this condition:

/root/value

*[(not(empty(ApplicableOrganizationData/SalesOrganization/text())) or
(not(empty(ApplicableOrganizationData/DistributionChannel/text())) or
(not(empty(ApplicableOrganizationData/Division/text())))]*

- In case no filters are required, please set */root/value*
- *In case IDOC generation for Sales and Distribution must be skipped, please set /root [value='excludeSubprocess']*
- SD Mapping – this property points to the desired message mapping that needs to be used for generating IDocs and allows custom message mappings to be used instead of the provided templates. By default, points to the Sales and Distribution template mapping from the package. This property accepts only the ID of the message mappings, and ID can be captured from the metadata of the artifact.

Note (Version 2.0.0): The SD Mapping and MM Mapping properties are optional. If a mapping field is left empty, the corresponding mapping and subprocess will be skipped. This allows you to configure only the mappings relevant to your scenario without generating errors for unused pricing condition types.

Configure "Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports"

Sender **More**

Type: All Parameters

MM Mapping: Material_Management_Supplier_Extended_Mapping

MM Response Filter: /root/value

SD Mapping: Sales_And_Distribution_Mapping

SD Response Filter: /root/value

Save Deploy Close

Support for SAP S/4HANA Public Cloud

Important note: To trigger the mapping integration flow Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports mapping flow, configure the "S/4HANA Public Cloud Integration Enabled" filter to be set to "TRUE". In case the filter is not set and the deploy is triggered for Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports, the replication will fail with an error.

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the Create Pricing Conditions and Material Classifications to SAP ERP integration flow
3. Click on "Configure" button (right-upper corner)
4. Go to the "Receiver" tab and select "S4HANA_PUBLIC_CLOUD"
5. In field "Address" add the address of the integration flow Send Pricing Condition Records to S/4HANA Public Cloud.
6. Open "More" tab
7. Set the flag "S/4HANA Public Cloud Integration Enabled" to "TRUE"
8. Press "Save"

Modify Sales and Distribution and Material Management Mapping for S/4HANA Public Cloud

The message mappings contain example mappings of the Packaging Fees REST API attributes to OData structure for SD and MM pricing conditions. Message mappings are dynamic, and IFlow can be configured to use custom Message Mappings. To use different

from the default Message Mapping the ID from the Metadata of the message mapping must be provided as configuration property.

1. Open the **Sales and Distribution Mapping for S/4HANA Public Cloud** and **Material Management Mapping for S/4HANA Public Cloud**
2. The following values shall be modified in the relevant mappings if necessary:
 - a. ConditionTable – the default table numbers are as follows:
 - i. 004 – for Sales and Distribution Pricing Conditions
 - ii. 049 – for Material Management Pricing Conditions without Supplier
 - iii. 018 - for Material Management Pricing Conditions with Supplier
 - b. ConditionType – by default it is set to ZRDP.

Note: If necessary, the table numbers and the condition type can be adjusted to your setup.

Sales And Distribution Mapping for S/4HANA Public Cloud

SAP Responsible Design and Production Integration with SAP ERP / Sales and Distribution Mapping for S4HANA Public Cloud / Edit Simulate Deploy

Sales and Distribution Mapping for S4HANA Public Cloud

Message Mapping

References

Local (4) Global (0)

Name	Type	Size	Acti...
source	XSD	2 KB	↓
target	XSD	13 KB	↓
Scripts (2)			
convertC	Gro...	164...	↓
validateC	Gro...	2 KB	↓

root

Structure	Occure...
root	1..1
value	1..*
Product	0..1
ValidFrom	0..1
ValidTo	0..1
ReportConfiguration	0..1
ReportCategory	0..1
ReportCategoryCountry	0..1
ReportCategoryRegion	0..1
ApplicableOrganizationData	0..1
CompanyCode	0..1
SalesOrganization	0..1

batchParts

Structure	Occure...
batchChangeSet	1..*
batchChangeSetPart	1..*
method	1..1
A_SlsPrgConditionRecord	1..1
A_SlsPrgConditionRecordType	1..*
ConditionTable	0..1
ConditionType	0..1
ConditionRateAmount	0..1
ConditionCurrency	0..1
ConditionQuantity	0..1
ConditionQuantityUnit	0..1
to_SlsPrgCndnRecdValidity	0..*

Mapping Expression Parameters

Test Input File: Upload test file Browse

ODATA Segment Structure	System Fields	OData Field	Sample Value
Control Record	Method	<method>POST</method>	POST
A_SlsPrgConditionRecordType	Condition Table	<ConditionTable>xxx</ConditionTable>	This filed has two placeholders - a top and a bottom one. For customer role independent pricing conditions, configure the top placeholder with one table (for example: 004). For the customer role dependent pricing conditions, configure the lower placeholder with a different table (for example:801).
	Condition Type	<ConditionType>ZRDP</ConditionType>	ZRDP
	Condition Rate Amount	<ConditionRateAmount></ConditionRateAmount>	Value of filed TotalFee from PackagingFee API
	Condition Currency	<ConditionCurrency></ConditionCurrency>	Value of filed Currency from PackagingFee API
	Condition Quantity	<ConditionQuantity></ConditionQuantity>	Value of filed ReferenceQuantity from PackagingFee API
A_SlsPrgCndnRecdValidityType	Condition Quantity Unit	<ConditionQuantityUnit></ConditionQuantityUnit>	Value of filed BaseUnitOfMeasure from PackagingFee API
	Condition Validity Start Date	<ConditionValidityStartDate></ConditionValidityStartDate>	Value of filed ValidFrom from PackagingFee API
	Condition Validity End Date	<ConditionValidityEndDate></ConditionValidityEndDate>	Value of filed ValidTo from PackagingFee API
	Material	<Material></Material>	Value of filed Product from PackagingFee API
	Division	<Division></Division>	Value of filed Division from PackagingFee API
	Sales Organization	<SalesOrganization></SalesOrganization>	Value of filed SalesOrganization from PackagingFee API
	Distribution Channel	<DistributionChannel></DistributionChannel>	Value of filed DistributionChannel from PackagingFee API
Customer Condition Group	<CustomerConditionGroup></CustomerConditionGroup>	If the filed ShipToPartyRole from PackagingFee API is not empty: populated the value with the respective one from the SAP Responsible Design and Production Value Mapping	

Material Management Mapping for S/4HANA Public Cloud

SAP Responsible Design and Production Integration with SAP ERP / Material Management Mapping for S4HANA Public Cloud / Edit Simulate Deploy Delete

Material Management Mapping for S4HANA Public Cloud

Message Mapping

References: Local (3) Global (0)

Name	Type	Size	Act...
source	XSD	3 KB	↓
target	XSD	13 KB	↓
convert	Gro...	165...	↓

root

Structure	Occure...
root	1..1
value	1..*
Product	0..1
ValidFrom	0..1
ValidTo	0..1
ReportConfiguration	0..1
ReportCategory	0..1
ReportCategoryCountry	0..1
ReportCategoryRegion	0..1
PackagingComposition	0..1
BusinessProcessDirection	0..1
ApplicableOrganizationData	0..1
CompanyCode	0..1

batchParts

Structure	Occure...
batchParts	1..1
batchChangeSet	1..*
batchChangeSetPart	1..*
method	1..1
A_PurgPrgConditionRecord	1..1
A_PurgPrgConditionRecordType	1..*
ConditionTable	0..1
ConditionType	0..1
ConditionRateValue	0..1
ConditionRateValueUnit	0..1
ConditionQuantity	0..1
ConditionQuantityUnit	0..1
to_PurgPrgCndnRecdValidity	0..*

Mapping Expression Parameters

Test Input File: Upload test file Browse

ODATA Segment Structure	System Fields	OData Field	Sample Value
Control Record	Method	<method>POST</method>	POST
A_PurgPrcgConditionRecordType	Condition Table	<ConditionTable>xxx</ConditionTable>	This field has two placeholders - a top and a bottom one. If the value of filed Supplier from PackagingFee API is not empty, configure the top placeholder with one table (for example: 018). If the value of filed Supplier is empty, configure the lower placeholder with a different table (for example: 049).
	Condition Type	<ConditionType>ZRDP</ConditionType>	ZRDP
	Condition Rate Value	<ConditionRateValue></ConditionRateValue>	Value of filed TotalFee from PackagingFee API
	Condition Rate Value Unit	<ConditionRateValueUnit></ConditionRateValueUnit>	Value of filed Currency from PackagingFee API
	Condition Quantity	<ConditionQuantity></ConditionQuantity>	Value of filed ReferenceQuantity from PackagingFee API
	Condition Quantity Unit	<ConditionQuantityUnit></ConditionQuantityUnit>	Value of filed BaseUnitOfMeasure from PackagingFee API
A_PurgPrcgCndnRecdValidityType	Condition Validity End Date	<ConditionValidityEndDate></ConditionValidityEndDate>	Value of filed ValidTo from PackagingFee API
	Condition Validity Start Date	<ConditionValidityStartDate></ConditionValidityStartDate>	Value of filed ValidFrom from PackagingFee API
	Company Code	<CompanyCode></CompanyCode>	Value of filed CompanyCode from PackagingFee API
	Purchasing Organization	<PurchasingOrganization></PurchasingOrganization>	Value of filed CompanyCode from PackagingFee API
	Purchasing Info Record Category	<PurchasingInfoRecordCategory>0</PurchasingInfoRecordCategory>	0
	Supplier	<Supplier></Supplier>	Value of filed Supplier from PackagingFee API
	Material	<Material></Material>	Value of filed Product from PackagingFee API

Configurations in SAP S/4HANA Public Cloud

The following steps need to be taken:

1. Maintain the access sequence to the condition tables relevant for SAP Responsible Design and Production
2. Maintain Pricing Condition Type ZRDP in Sales and in Purchasing

Set additional replication filters

Material Managements pricing conditions

- MM Response Filter - this filter can be used to filter the packaging fees data coming from SAP Responsible Design and Production to ensure data consistency for Material Managements pricing conditions
- Example: In case the data shall be replicated only in case Company Code field is not empty (when this field is used as key value in the target pricing condition table), the following filter value can be added in this condition:

/root/value

[not(empty(ApplicableOrganizationData/CompanyCode/text()))]

- In case no filters are required, please set */root/value*
- *In case OData message generation for Material Management must be skipped, please set /root [value='excludeSubprocess']*
- MM Mapping – this property points to the desired message mapping that needs to be used for generating IDocs and allows custom message mappings to be used instead of the provided templates. By default, points to the Material Management template mapping from the package. This property accepts only the ID of the message mappings, and ID can be captured from the metadata of the artifact.

Sales and Distribution pricing conditions

- SD Response Filter - this filter can be used to filter the packaging fees data coming from SAP Responsible Design and Production to ensure data consistency for Sales and Distribution pricing conditions
- Example: In case the data shall be replicated only in case all the three Sales Area objects are not empty (Sales Organization, Distribution Channel and Division fields in case they are used as key values in the target pricing condition table), the following value can be added in this condition:

/root/value

```
[(not(empty(ApplicableOrganizationData/SalesOrganization/text())) or  
(not(empty(ApplicableOrganizationData/DistributionChannel/text())) or  
(not(empty(ApplicableOrganizationData/Division/text())))]
```

- In case no filters are required, please set /root/value
- *In case OData message generation for Sales and Distribution must be skipped, please set /root [value='excludeSubprocess']*
- SD Mapping – this property points to the desired message mapping that needs to be used for generating IDocs and allows custom message mappings to be used instead of the provided templates. By default, points to the Sales and Distribution template mapping from the package. This property accepts only the ID of the message mappings, and ID can be captured from the metadata of the artifact.

Note (Version 2.0.0): The SD Mapping and MM Mapping properties are optional. If a mapping field is left empty, the corresponding mapping and subprocess will be skipped. This allows you to configure only the mappings relevant to your scenario without generating errors for unused pricing condition types.

[Configure Send Pricing Condition Records to S/4HANA Public Cloud](#)

This integration flow supports sending of OData messages to S/4HANA Public Cloud systems.

Procedure:

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the Send Pricing Condition Records to S/4HANA Public Cloud integration flow
3. Click on “Configure” button (right-upper corner)
4. Open “Sender” tab and configure the address. The address should be the same as the one you configured in tab “Receiver” for “S4HANA_PUBLIC_CLOUD” in the main integration flow “Create Pricing Conditions and Material

Classifications to SAP ERP”. For reference, see chapter for S/4HANA Public Cloud - **Setup and Configuration**: Connectivity Configuration Steps.

5. Open “Receiver” tab and configure the connectivity to your S/4HANA Public Cloud system

Note: The configuration depends on how you set up the S/4HANA System and the CPI credentials. For reference, see chapter for S/4HANA Public Cloud - **Setup and Configuration**: Connectivity Configuration Steps.

Configure "Send Pricing Condition Records to S4HANA Public Cloud"

Sender Receiver

Connection

Sender: Sender

Adapter Type: ProcessDirect

Address: **anonymized**

Save Deploy Close

Configure "Send Pricing Condition Records to S4HANA Public Cloud"

Sender Receiver

Connection

Receiver: S4HANA_API

Adapter Type: HCIOData

Address: https://{Host}/sap/opu/odata/sap/\$[header.api]

Host: **anonymized**

Proxy Type: Internet

Authentication: Client Certificate

Private Key Alias: **anonymized**

CSRF Protected:

Reuse Connection:

Save Deploy Close

[Integrate into Existing Package](#)

To use the Extended Producer Responsibility Reports scenario for S/4HANA Public Cloud, the main flow [Create Pricing Conditions and Material Classifications to SAP ERP](#) should be copied.

Configure Scenario for Material Classification Replication for Spain Plastic Tax

Support for SAP ERP and SAP S/4HANA (On Premise)

Message mappings are dynamic, and IFlow can be configured to use custom Message Mappings. To use different from the default Message Mapping the ID from the Metadata of the message mapping must be provided as configuration property.

Before modifying the mapping for this integration flow, see [Access Report Documentation](#) and check the report documentation for Spain Plastic Packaging Tax, chapter **Prerequisite Activities for Spain Plastic Packaging Tax**.

Important note: To trigger the mapping iflow of [Map Packaging Fees to Pricing Conditions and Material Classifications for Spain Plastic Tax](#), configure the “Packaging Fee Extension Enabled” filter to be set to “TRUE”. In case the filter is not set and the deploy is triggered for Spain Plastic Tax, the replication will fail with an error.

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the [Create Pricing Conditions and Material Classifications to SAP ERP](#) integration flow
3. Click on “Configure” button (right-upper corner)
4. Open “Receiver” tab
5. For “Receiver” choose “S4HANA_PRIVATE_CLOUD_OR_ON_PREMISE”
6. For “Address” fill in the sender address of the **Send Records to SAP ERP Systems** integration flow. To do that, you need to configure the Send Records to SAP ERP Systems integration flow as a prerequisite.
7. Open “More” tab
8. Set the flag “Packaging Fee Extension Enabled” to “TRUE”
9. Set the flag “SOAP Request Processing Enabled” to “TRUE”
10. Press “Save”

Configure "Create Pricing Conditions and Material Classifications to SAP ERP"

Timer Receiver **More**

Receiver: S4HANA_PRIVATE_CLOUD_OR_ON_PREMISE

Adapter Type: ProcessDirect

Connection Address: **anonymized**

Configure "Create Pricing Conditions and Material Classifications to SAP ERP"

Timer Receiver **More**

Type: All Parameters

CONAI Packaging Fee Extension Enabled: false

Include Customer Role Dependent Fees: false

Packaging Fee Extension Enabled: false

Page Size: 500

Report Category:

Report Configuration: **anonymized**

Report Country:

S/4HANA Public Cloud Integration Enabled: false

SOAP Request Processing Enabled: true

Splitter Batch Size: 250

Suppliers Enabled: false

Value Mapping Prefix:

Configure Sales and Distribution ZESP Mapping

The message mapping contains example mapping of the PackagingFees REST API attributes to iDoc structure for SD pricing conditions with ZESP condition type. Plastic Tax Charge to Customer (inhouseProductionChargeableFee) from the API is replicated as KBETR.

Configure Sales and Distribution ZEST Mapping

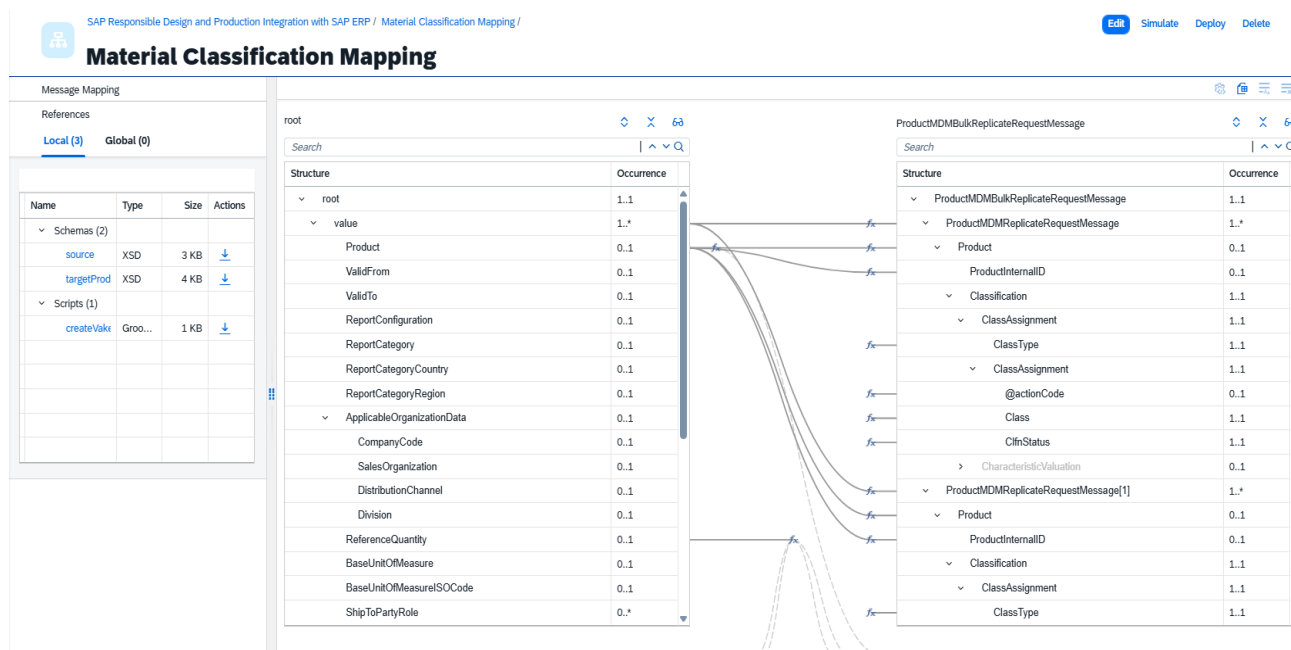
The message mapping contains example mapping of the PackagingFees REST API attributes to iDoc structure for SD pricing conditions with ZEST condition type. Plastic Tax Paid as Info (inhouseProductionStatisticalFee) from the API is replicated as KBETR.

Modify the SD pricing conditions

See section “Modify Sales and Distribution Mapping and Material Management Mapping” in Configure Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Report mapping flow

Material Classification Mapping

No changes needed for Material Classification Mapping. Mapping details are shown below:



Location (under /ProductMDMBulkReplicateRequestMessage/ProductMDMRReplicateRequestMessage/)	XML Node Name	Sample Value
Product/	ProductInternalID	Value of field ProductId from PackagingFees API
Product/Classification/ClassAssignment/	ClassType	Constant value = 001
	@actionCode	Constant value = 05 (delete) or 04 (create)
Product/Classification/ClassAssignment/ClassAssignment/	Class	ZRDP_ES_PLASTICTAX
	ClnStatus	Constant value = 1
Product/Classification/CharacteristicValuation/CharacteristicValuation[n]/	@actionCode	Constant value = 05 (delete) or 04 (create)
Product/Classification/CharacteristicValuation/CharacteristicValuation[n]/	CharValueIntervalType	Constant value = 1
Product/Classification/CharacteristicValuation/CharacteristicValuation/	Characteristic	ZRDP_ES_EXEMPTION
	ChartValue	Values of Exemptions/Code list from PackagingFees API
Product/Classification/CharacteristicValuation/CharacteristicValuation[1]/	Characteristic	ZRDP_ES_PLASTIC
	ChartValue	Value of field PlasticWeightInKg/ReferenceQuantity from PackagingFees API
Product/Classification/CharacteristicValuation/CharacteristicValuation[2]/	Characteristic	ZRDP_ES_NONRECYCLED_PLASTIC
	ChartValue	Value of field NonRecycledPlasticInKg/ReferenceQuantity from PackagingFees API
Product/Classification/CharacteristicValuation/CharacteristicValuation[3]/	Characteristic	ZRDP_ES_PACKMAT_TAX
	ChartValue	Value of field TaxForPackagingAsMaterial from PackagingFees API
Product/Classification/CharacteristicValuation/CharacteristicValuation[4]/	Characteristic	ZRDP_ES_PRODORDER_CHECK
	ChartValue	Value of ProductionOrderCheck used from PackagingFees API

In the Material Classification the weight values are stored for 1 product (as quantity). During the conversion the weight values (PlasticWeightInKg and NonRecycledPlasticInKg) are divided by the Reference Quantity and then mapped to the ZRDP_ES_PLASTIC and ZRDP_ES_NONRECYCLED_PLASTIC characteristics.

Configure Map Packaging Fees to Pricing Conditions and Material Classifications for Spain Plastic Tax

- MC Response Filter - this filter can be used to filter additionally the packaging fees data coming from SAP Responsible Design and Production for the Material Classification replication.
- MC Mapping - this property points to the desired message mapping that needs to be used for generating Product Bulk XML message and allows custom message mappings to be used instead of the provided templates. By default, points to Material Classification template mapping from the package. This property accepts only the ID of the message mappings, and ID can be captured from the metadata of the artifact. In "MC Mapping" fill in the ID of the Material Classification Mapping (Material_Classification_Product_Bulk_Mapping) to the use of the Product Master API
- SD Response Filter ZESP – this filter can be used to filter additionally the packaging fees data coming from SAP Responsible Design and Production for the Material Classification replication.
- SD Response Filter ZEST - this filter can be used to filter additionally the packaging fees data coming from SAP Responsible Design and Production for the Material Classification replication.
- Example: In case the main flow is set to replicate data for three different Report Categories, but only one is relevant for replication of data into Material Classification, required data for invoice printing.
- In case no filters are required, please set */root/value*
- *In case IDOC generation for SD Response Filter ZESP/ZEST or MC Response Filter must be skipped, please set /root [value='excludeSubprocess']*
- SD Mapping ZESP/ZEST – this property points to the desired message mapping that needs to be used for generating IDocs and allows custom message mappings to be used instead of the provided templates. By default, points to the Sales and Distribution ZESP/ZEST template mapping from the package. This property accepts only the ID of the message mappings, and ID can be captured from the metadata of the artifact.

Note: The MC Mapping, SD Mapping ZESP, and SD Mapping ZEST properties are optional. If a mapping field is left empty, the corresponding mapping and subprocess will be skipped. This allows you to configure only the mappings relevant to your scenario without generating errors for unused condition types or Material Classification.

Configure "Map Packaging Fees to Pricing Conditions and Material Classifications for Spain Plastic Tax"

Sender [More](#)

Type: All Parameters

MC Mapping: Material_Classification_Product_Bulk_Mapping

MC Response Filter: /root/value

SD Mapping ZESP: Sales_And_Distribution_ZESP_Mapping

SD Mapping ZEST: Sales_And_Distribution_ZEST_Mapping

SD Response Filter ZESP: /root/value

SD Response Filter ZEST: /root/value

Material Classification Mapping

SAP Responsible Design and Production Integration with SAP ERP / Material Classification Mapping / Edit Simulate Deploy Delete

Material Classification Mapping

Message Mapping

References

Local (3) Global (0)

Name	Type	Size	Actions
Source	XSD	3 KB	Download
targetProd	XSD	4 KB	Download
createValue	Groo...	1 KB	Download

Location (under /ProductMDMBulkReplicateRequestMessage/ProductMDMReplicateRequestMessage/)	XML Node Name	Sample Value
Product/	ProductInternalID	Value of field ProductId from PackagingFees API
Product/Classification/ClassAssignment/	ClassType	Constant value = 001
	@actionCode	Constant value = 05 (delete) or 04 (create)
	Class	ZRDP_ES_PLASTICTAX
Product/Classification/ClassAssignment/ClassAssignment/	ClassType	Constant value = 1
	CfnStatus	Constant value = 05 (delete) or 04 (create)
Product/Classification/CharacteristicValuation/CharacteristicValuation[n]/	@actionCode	Constant value = 05 (delete) or 04 (create)
Product/Classification/CharacteristicValuation/CharacteristicValuation[n]/	CharcValueIntervalType	Constant value = 1
Product/Classification/CharacteristicValuation/CharacteristicValuation/	Characteristic	ZRDP_ES_EXEMPTION
	ChartValue	Values of Exemptions/Code list from PackagingFees API
Product/Classification/CharacteristicValuation/CharacteristicValuation[1]/	Characteristic	ZRDP_ES_PLASTIC
	ChartValue	Value of field PlasticWeightInKg/ReferenceQuantity from PackagingFees API
Product/Classification/CharacteristicValuation/CharacteristicValuation[2]/	Characteristic	ZRDP_ES_NONRECYCLED_PLASTIC
	ChartValue	Value of field NonRecycledPlasticInKg/ReferenceQuantity from PackagingFees API
Product/Classification/CharacteristicValuation/CharacteristicValuation[3]/	Characteristic	ZRDP_ES_PACKMAT_TAX
	ChartValue	Value of field TaxForPackagingAsMaterial from PackagingFees API
Product/Classification/CharacteristicValuation/CharacteristicValuation[4]/	Characteristic	ZRDP_ES_PRODORDER_CHECK
	ChartValue	Value of ProductionOrderCheck used from PackagingFees API

In the Material Classification the weight values are stored for 1 product (as quantity). During the conversion the weight values (PlasticWeightInKg and NonRecycledPlasticInKG) are divided by the Reference Quantity and then mapped to the ZRDP_ES_PLASTIC and ZRDP_ES_NONRECYCLED_PLASTIC characteristics.

Configure Receive SOAP Confirmation and Start Follow-Up Processing

Important: Before configuring this integration flow, ensure that the receiving integration flow (Send Records to SAP ERP or Send Pricing Condition Records to S/4HANA Public Cloud) is already configured and deployed. The Receiver Address in this flow must point to an active processing flow.

The main function of this integration flow is to receive SOAP confirmation messages from SAP ERP and SAP S/4HANA systems and to route them to specific process handlers. It immediately returns successful response to SAP systems and asynchronously triggers further processing using ReferenceUUID from the incoming message, for example, the Product Master Bulk Replication API: the DELETE confirmation triggers CREATE processing and sending to SAP systems.

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the Receive SOAP Confirmation and Start Follow-Up Processing integration flow
3. Click on “Configure” button (right-upper corner)
4. Open “Sender” tab
5. In “Address”: configure address that will be listening for SOAP Confirmation requests coming from SAP systems. SAP systems should be properly configured to send confirmation requests to this address for the use-case of Product Master Bulk Replication of material classifications.
6. In “User Role” the default role set is ESBMessaging.send, it could be changed if needed
7. Open “Receiver” tab
8. In “Address”: configure the address of the processing integration flow which reads ReferenceUUID and sends follow-up processing. Current integration flows that support further processing of confirmation messages (ReferenceUUID):
 - Send Records to SAP ERP Systems
 - Send Pricing Condition Records to S4HANA Public Cloud

Important: To configure the SAP systems, please refer to the **Replication of Material Classifications Configuration Guide**.

Configure "Receive SOAP Confirmation and Start Follow-Up Processing"

Sender **Receiver**

Connection

Sender:

Adapter Type:

Address: ⓘ

User Role: ⓘ

Configure "Receive SOAP Confirmation and Start Follow-Up Processing"

Sender **Receiver**

Connection

Receiver:

Adapter Type:

Address: ⓘ

Configure Send Records to SAP ERP

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the Send Records to SAP ERP integration flow
3. Click on "Configure" button (right-upper corner)
4. Open "Receiver" tab
5. In "Receiver", you can configure the timeout, the default value is 300000 in ms
6. Open "More" tab
7. The "Sender Business System ID" should be configure according to the setup of the SAP ERP system, see **Replication of Material Classifications Configuration Guide**.
8. "SOAP Request Path": /sap/bc/srt/scs/sap/productmdmbulkreplicaterequest
9. Press "Save"

Configure "Send Records to SAP ERP"

Sender **Receiver** **More**

Connection

Sender:

Adapter Type:

Address:

Configure "Send Records to SAP ERP"

Sender **Receiver** **More**

Connection

Receiver:

Adapter Type:

Address:

Query:

Proxy Type:

Authentication:

Private Key Alias:

Timeout (in ms):

Configure "Send Records to SAP ERP"

Sender **Receiver** **More**

Connection

Receiver:

Adapter Type:

Address:

Query:

Proxy Type:

Authentication:

Private Key Alias:

Timeout (in ms):

Configure "Send Records to SAP ERP"

Sender **Receiver** **More**

Type:

Sender Business System ID:

Configure the integration flow Map Packaging Fees to Pricing Conditions for CONAI Empty Packaging with the message mappings:

- Sales and Distribution ZEST Mapping
- Sales and Distribution ZESP Mapping
- Material Classification Mapping
(ID: Material_Classification_Product_Bulk_Mapping)

Before modifying the mapping for this integration flow, see [Access Report Documentation](#) and check the report documentation for Spain Plastic Packaging Tax, chapter **Prerequisite Activities for Spain Plastic Packaging Tax**.

Important note: To trigger the mapping integration flow Map Packaging Fees to Pricing Conditions and Material Classifications for Spain Plastic Tax, configure the “Packaging Fee Extension Enabled” filter to be set to “true”. In case the filter is not set and the deploy is triggered for Spain Plastic Tax, the replication will fail with an error.

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the Create Pricing Conditions and Material Classifications to SAP ERP integration flow
3. Click on “Configure” button (right-upper corner)
4. For “Receiver” choose “S4HANA_PUBLIC_CLOUD”
5. For “Address” fill in the sender address of **Send Pricing Condition Records to S4HANA Public Cloud** the integration flow. To do that, you need to configure the **Send Pricing Condition Records to S4HANA Public Cloud** integration flow as a prerequisite.
6. Open “More” tab
7. Set the flag “Packaging Fee Extension Enabled” to “TRUE”
8. Set the flag “SOAP Request Processing Enabled” to “TRUE”
9. Press “Save”

Configure "Create Pricing Conditions and Material Classifications to SAP ERP"

Timer	Receiver	More
Connection		
Receiver:	S4HANA_PUBLIC_CLOUD	
Adapter Type:	ProcessDirect	
Address:	**anonymized**	

Configure "Create Pricing Conditions and Material Classifications to SAP ERP"

Timer Receiver **More**

Type:	All Parameters	▼
CONAI Packaging Fee Extension Enabled:	false	ⓘ
Include Customer Role Dependent Fees:	false	ⓘ
Packaging Fee Extension Enabled:	false	ⓘ
Page Size:	500	ⓘ
Report Category:		ⓘ
Report Configuration:	**anonymized**	ⓘ
Report Country:		ⓘ
S/4HANA Public Cloud Integration Enabled:	false	ⓘ
SOAP Request Processing Enabled:	true	ⓘ
Splitter Batch Size:	250	ⓘ
Suppliers Enabled:	false	ⓘ
Value Mapping Prefix:		ⓘ

Configure Map Packaging Fees to Pricing Conditions and Material Classifications for Spain Plastic Tax

In "MC Mapping" fill in the ID of the Material Classification Mapping (Material_Classification_Product_Bulk_Mapping) to the use of the Product Master API.

Configure "Map Packaging Fees to Pricing Conditions and Material Classifications for Spain Plastic Tax"

Sender **More**

Type:	All Parameters	▼
MC Mapping:	Material_Classification_Product_Bulk_Mapping	ⓘ
MC Response Filter:	/root/value	ⓘ
SD Mapping ZESP:	Sales_And_Distribution_ZESP_Mapping	ⓘ
SD Mapping ZEST:	Sales_And_Distribution_ZEST_Mapping	ⓘ
SD Response Filter ZESP:	/root/value	ⓘ
SD Response Filter ZEST:	/root/value	ⓘ

Modify Sales and Distribution ZESP/ZEST Mapping for S/4HANA Public Cloud

The message mappings contain example mappings of the Packaging Fees REST API attributes to OData structure for SD pricing conditions with ZESP/ZEST condition type. Message mappings are dynamic, and integration flows can be configured to use custom message mappings. To use different from the default message mapping the ID from the metadata of the message mapping must be provided as configuration property.

1. Open the **Sales and Distribution ZEST Mapping for S/4HANA Public Cloud and Sales and Distribution ZESP Mapping for S/4HANA Public Cloud**

The following values shall be modified in the relevant mappings if necessary:

- a. ConditionTable – the default table numbers are as follows: 004 – for Sales and Distribution with ZESP/ZEST condition type Pricing Conditions
- b. ConditionType – ZESP or ZEST.

Note: If necessary, the table numbers and the condition type can be adjusted to your setup.

2. Open the and **Material Classification Mapping for S/4HANA Public Cloud**

- a. The following field: SNDPRN should be modified in the Material Classification Mapping in order to use it for S/4HANA Public Cloud. Use the logical name of the communication system SAP_COM_0149. The field should be configured based on the Communication System's Business System.

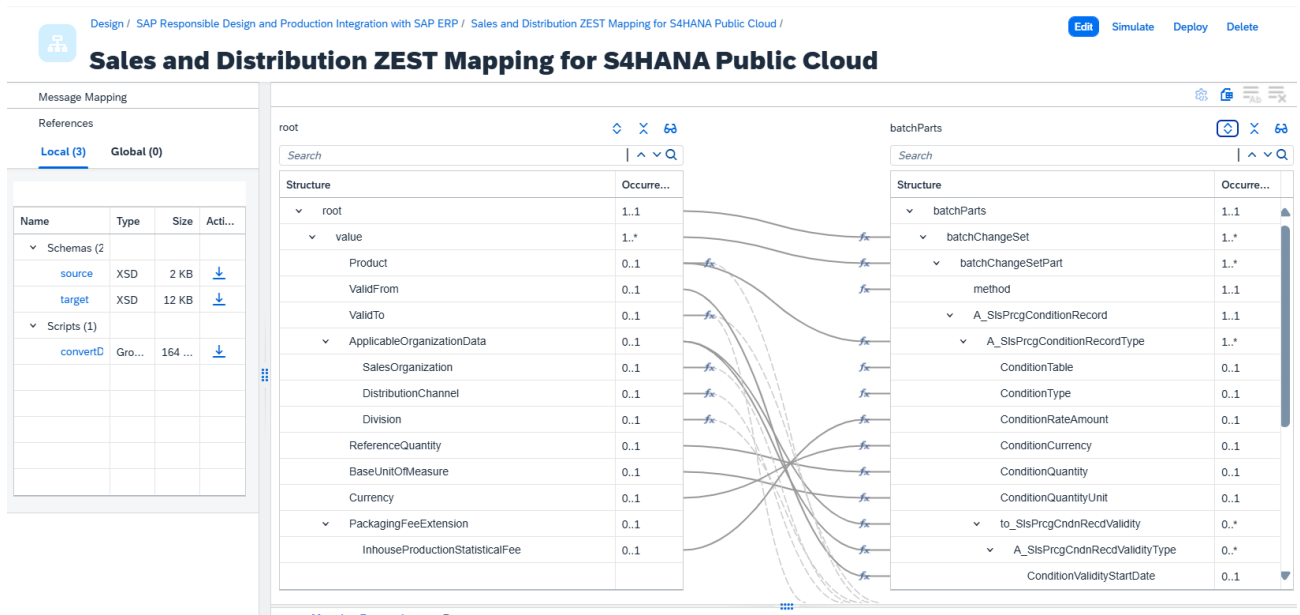
Important: If you have more than one scenario using the Material Classification Mapping, make sure to create a copy of the message mapping.

Sales and Distribution ZESP Mapping for S4HANA Public Cloud

The screenshot displays the SAP Message Mapping interface for 'Sales and Distribution ZESP Mapping for S4HANA Public Cloud'. It shows two message structures: 'root' and 'batchParts'. The 'root' structure contains fields such as 'value', 'Product', 'ValidFrom', 'ValidTo', 'ApplicableOrganizationData', 'SalesOrganization', 'DistributionChannel', 'Division', 'ReferenceQuantity', 'BaseUnitOfMeasure', 'Currency', and 'PackagingFeeExtension'. The 'batchParts' structure contains fields like 'batchParts', 'batchChangeSet', 'batchChangeSetPart', 'method', 'A_SisPrgcConditionRecord', 'A_SisPrgcConditionRecordType', 'ConditionTable', 'ConditionType', 'ConditionRateAmount', 'ConditionCurrency', 'ConditionQuantity', 'ConditionQuantityUnit', 'to_SisPrgcCndnRecdValidity', 'A_SisPrgcCndnRecdValidityType', and 'ConditionValidityStartDate'. Lines connect the fields between the two structures, indicating the mapping relationships.

ODATA Segment Structure	System Fields	OData Field	Sample Value
Control Record	Method	<method>POST</method>	POST
A_SlsPrgConditionRecordType	Condition Table	<ConditionTable>xxx</ConditionTable>	004
	Condition Type	<ConditionType>ZESP</ConditionType>	ZESP
	Condition Rate Amount	<ConditionRateAmount></ConditionRateAmount>	Value of filed InhouseProductionChargeableFee from PackagingFee Extension API
	Condition Currency	<ConditionCurrency></ConditionCurrency>	Value of filed Currency from PackagingFee API
	Condition Quantity	<ConditionQuantity></ConditionQuantity>	Value of filed ReferenceQuantity from PackagingFee API
A_SlsPrgCndnRecdValidityType	Condition Validity Start Date	<ConditionValidityStartDate></ConditionValidityStartDate>	Value of filed ValidFrom from PackagingFee API
	Condition Validity End Date	<ConditionValidityEndDate></ConditionValidityEndDate>	Value of filed ValidTo from PackagingFee API
	Material	<Material></Material>	Value of filed Product from PackagingFee API
	Division	<Division></Division>	Value of filed Division from PackagingFee API
	Sales Organization	<SalesOrganization></SalesOrganization>	Value of filed SalesOrganization from PackagingFee API
	Distribution Channel	<DistributionChannel></DistributionChannel>	Value of filed DistributionChannel from PackagingFee API

Sales and Distribution ZEST Mapping for S4HANA Public Cloud



ODATA Segment Structure	System Fields	OData Field	Sample Value
Control Record	Method	<method>POST</method>	POST
A_SlsPrgConditionRecordType	Condition Table	<ConditionTable>xxx</ConditionTable>	004
	Condition Type	<ConditionType>ZEST</ConditionType>	ZEST
	Condition Rate Amount	<ConditionRateAmount></ConditionRateAmount>	Value of filed InhouseProductionChargeableFee from PackagingFee Extension API
	Condition Currency	<ConditionCurrency></ConditionCurrency>	Value of filed Currency from PackagingFee API
	Condition Quantity	<ConditionQuantity></ConditionQuantity>	Value of filed ReferenceQuantity from PackagingFee API
A_SlsPrgCndnRecdValidityType	Condition Validity Start Date	<ConditionValidityStartDate></ConditionValidityStartDate>	Value of filed ValidFrom from PackagingFee API
	Condition Validity End Date	<ConditionValidityEndDate></ConditionValidityEndDate>	Value of filed ValidTo from PackagingFee API
	Material	<Material></Material>	Value of filed Product from PackagingFee API
	Division	<Division></Division>	Value of filed Division from PackagingFee API
	Sales Organization	<SalesOrganization></SalesOrganization>	Value of filed SalesOrganization from PackagingFee API
	Distribution Channel	<DistributionChannel></DistributionChannel>	Value of filed DistributionChannel from PackagingFee API

Material Classification Mapping

No changes needed for Material Classification Mapping. Mapping details are shown below:

SAP Responsible Design and Production Integration with SAP ERP / Material Classification Mapping / Edit Simulate Deploy Delete

Material Classification Mapping

Message Mapping

References
Local (3) Global (0)

Name	Type	Size	Actions
source	XSD	3 KB	↓
targetProd	XSD	4 KB	↓
createVaki	Groo...	1 KB	↓

The screenshot shows the SAP Message Mapping interface. On the left, there is a 'References' panel with a table of schemas. The main area displays two message structures side-by-side. The 'root' structure on the left includes elements like 'value', 'Product', 'ValidFrom', 'ValidTo', 'ReportConfiguration', 'ReportCategory', 'ReportCategoryCountry', 'ReportCategoryRegion', 'ApplicableOrganizationData', 'CompanyCode', 'SalesOrganization', 'DistributionChannel', 'Division', 'ReferenceQuantity', 'BaseUnitOfMeasure', 'BaseUnitOfMeasureISOCode', and 'ShipToPartyRole'. The 'ProductMDMBulkReplicateRequestMessage' structure on the right includes 'ProductMDMReplicateRequestMessage', 'Product', 'ProductInternalID', 'Classification', 'ClassAssignment', 'ClassType', '@actionCode', 'Class', 'ClnStatus', 'CharacteristicValuation', 'ProductMDMReplicateRequestMessage[1]', 'Product', 'ProductInternalID', 'Classification', 'ClassAssignment', and 'ClassType'. Lines with 'fx' labels indicate the mapping between corresponding elements in the two structures.

Location (under /ProductMDMBulkReplicateRequestMessage/ProductMDMReplicateRequestMessage/)	XML Node Name	Sample Value
Product/	ProductInternalID	Value of field ProductId from PackagingFees API
Product/Classification/ClassAssignment/	ClassType	Constant value = 001
	@actionCode	Constant value = 05 (delete) or 04 (create)
Product/Classification/ClassAssignment/ClassAssignment/	Class	ZRDP_ES_PLASTICTAX
	ClnStatus	Constant value = 1
Product/Classification/CharacteristicValuation/CharacteristicValuation[n]/	@actionCode	Constant value = 05 (delete) or 04 (create)
Product/Classification/CharacteristicValuation/CharacteristicValuation[n]/	CharValueIntervalType	Constant value = 1
Product/Classification/CharacteristicValuation/CharacteristicValuation/	Characteristic	ZRDP_ES_EXEMPTION
	ChartValue	Values of Exemptions/Code list from PackagingFees API
Product/Classification/CharacteristicValuation/CharacteristicValuation[1]/	Characteristic	ZRDP_ES_PLASTIC
	ChartValue	Value of field PlasticWeightInKg/ReferenceQuantity from PackagingFees API
Product/Classification/CharacteristicValuation/CharacteristicValuation[2]/	Characteristic	ZRDP_ES_NONRECYCLED_PLASTIC
	ChartValue	Value of field NonRecycledPlasticInKg/ReferenceQuantity from PackagingFees API
Product/Classification/CharacteristicValuation/CharacteristicValuation[3]/	Characteristic	ZRDP_ES_PACKMAT_TAX
	ChartValue	Value of field TaxForPackagingAsMaterial from PackagingFees API
Product/Classification/CharacteristicValuation/CharacteristicValuation[4]/	Characteristic	ZRDP_ES_PRODORDER_CHECK
	ChartValue	Value of ProductionOrderCheck used from PackagingFees API

In the Material Classification the weight values are stored for 1 product (as quantity). During the conversion the weight values (PlasticWeightInKg and NonRecycledPlasticInKg) are divided by the Reference Quantity and then mapped to the ZRDP_ES_PLASTIC and ZRDP_ES_NONRECYCLED_PLASTIC characteristics.

Configure Map Packaging Fees to Pricing Conditions and Material Classifications for Spain Plastic Tax to S/4HANA Public Cloud

Configure the integration flow Map Packaging Fees to Pricing Conditions for Spain Plastic Tax with the message mappings:

- Sales and Distribution ZEST Mapping for S/4HANA Public Cloud
- Sales and Distribution ZESP Mapping for S/4HANA Public Cloud
- Material Classification Mapping

(ID: Material_Classification_Product_Bulk_Mapping)

Configurations in SAP S/4HANA Public Cloud

The following steps need to be taken:

1. Maintain the access sequence to the condition tables relevant for SAP Responsible Design and Production
2. Maintain Pricing Condition Type ZEST or ZESP in Sales

Configure Receive SOAP Confirmation and Start Follow-Up Processing

Important: Before configuring this integration flow, ensure that the receiving integration flow (Send Records to SAP ERP or Send Pricing Condition Records to S/4HANA Public Cloud) is already configured and deployed. The Receiver Address in this flow must point to an active processing flow.

The main function of this integration flow is to receive SOAP confirmation messages from SAP ERP and SAP S/4HANA systems and to route them to specific process handlers. It immediately returns successful response to SAP systems and asynchronously triggers further processing using ReferenceUUID from the incoming message, for example, the Product Master Bulk Replication API: the DELETE confirmation triggers CREATE processing and sending to SAP systems.

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the Receive SOAP Confirmation and Start Follow-Up Processing integration flow
3. Click on “Configure” button (right-upper corner)
4. Open “Sender” tab
5. In “Address”: configure address that will be listening for SOAP Confirmation requests coming from SAP systems. SAP systems should be properly configured to send confirmation requests to this address for the use-case of Product Master Bulk Replication of material classifications. More information about configuring SAP systems could be found in the **Replication of Material Classifications Configuration Guide**.
6. In “User Role” the default role set is ESBMessaging.send, it could be changed if needed
7. Open “Receiver” tab
8. In “Address”: configure the address of the processing integration flow which reads ReferenceUUID and sends follow-up processing. Current integration flows that support further processing of confirmation messages (ReferenceUUID):
 - Send Records to SAP ERP Systems
 - Send Pricing Condition Records to S4HANA Public Cloud

Configure "Receive SOAP Confirmation and Start Follow-Up Processing"

Sender **Receiver**

Connection

Sender:

Adapter Type:

Address: ⓘ

User Role: ⓘ

Configure "Receive SOAP Confirmation and Start Follow-Up Processing"

Sender **Receiver**

Connection

Receiver:

Adapter Type:





Address: ⓘ

Configure Send Pricing Condition Records to S4HANA Public Cloud


1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the Send Pricing Condition Records to S4HANA Public Cloud integration flow
3. Click on "Configure" button (right-upper corner)
4. Open "Receiver" tab
5. In "Receiver" choose "S4HANA_PRODUCT_BULK_SOAP_API"
6. In "Address" fill in the Host Product Bulk SOAP API: address of Public Cloud
7. In "Proxy Type" fill in "Internet" (the most common value)
8. In "Authentication" fill in "Client Certificate" (the most common value)
9. Fill in the "Private Key Alias" (used when Authentication is set to Client Certificate) or "Credential Name" (used when Authentication is set to OAuth2 Client Credentials)
10. Open "More" tab
11. The "Sender Business System ID" should be configure according to the setup of the Public Cloud system, see **Replication of Material Classifications Configuration Guide**.

12. Press "Save"

Configure "Send Pricing Condition Records to S4HANA Public Cloud"

Sender	Receiver	More
Connection		
Receiver:	S4HANA_PRODUCT_BULK_SOAP_API	
Adapter Type:	HTTP	
Address:	https://{{Host Product Bulk SOAP API}}/sap/bc/srt/scs_ext/sap/productmdmbulkreplicaterequest	
Host Product Bulk SOAP API:	**anonymized**	
Proxy Type:	Internet	
Authentication:	Client Certificate	
Private Key Alias:	**anonymized**	

Configure "Send Pricing Condition Records to S4HANA Public Cloud"

Sender	Receiver	More
Type:	All Parameters	
Sender Business System ID:	**anonymized**	

Integrate Spain Plastic Tax into Existing Package

To integrate Spain Plastic Tax into your package, the main flow Create Pricing Conditions and Material Classifications to SAP ERP shall be copied.

For more information, see Important note in section Configure Mapping Extension Receiver.

Deprecated Scenario for Material Classification Replication for Spain Plastic Tax

Support for SAP ERP and SAP S/4HANA (On Premise)

Message mappings are dynamic, and IFlow can be configured to use custom Message Mappings. To use different from the default Message Mapping the ID from the Metadata of the message mapping must be provided as configuration property.

Before modifying the mapping for this integration flow, see [Access Report Documentation](#) and check the report documentation for Spain Plastic Packaging Tax, chapter **Prerequisite Activities for Spain Plastic Packaging Tax**.

Important note: To trigger the mapping iflow of Map Packaging Fees to Pricing Conditions and Material Classifications for Spain Plastic Tax, configure the “Packaging Fee Extension Enabled” filter to be set to “TRUE”. In case the filter is not set and the deploy is triggered for Spain Plastic Tax, the replication will fail with an error.

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the Create Pricing Conditions and Material Classifications to SAP ERP integration flow
3. Click on “Configure” button (right-upper corner)
4. Open “More” tab
5. Set the flag “Packaging Fee Extension Enabled” to “TRUE”
6. Press “Save”

Modify Sales And Distribution ZESP Mapping

The message mapping contains example mapping of the PackagingFees REST API attributes to iDoc structure for SD pricing conditions with ZESP condition type. Plastic Tax Charge to Customer (inhouseProductionChargeableFee) from the API is replicated as KBETR.

Modify Sales And Distribution ZEST Mapping

The message mapping contains example mapping of the PackagingFees REST API attributes to iDoc structure for SD pricing conditions with ZEST condition type. Plastic Tax Paid as Info (inhouseProductionStatisticalFee) from the API is replicated as KBETR.

Modify the SD pricing conditions

See section “Modify Sales and Distribution Mapping and Material Management Mapping” in Configure Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Report mapping flow

Modify Material Classification mapping

1. Open DEPRECATED - Material Classification Mapping

2. The following values shall be modified in the mapping:
 - Sender profiles – see section Creating Sender Partner Profiles on the SAP ERP (receiver system) for processing IDoc
 - Characteristic Names – in case different names are used (not the recommended from SAP Responsible Design and Production)
 - OBJEK value generation

OBJEK value generation logic

The value for the OBJEK attribute is generated using the material value

Example for MARA table:

- material (21)

Example (OBJEK) value: 000000000000000021

Note: In case the value of the respective field is not the max length (in the example template it's 18), 0 are added as prefix (example: product=21, value would be 000000000000000021) in case the value contains only numbers. If the length of your material numbers is different than 18, change the constant to the desired length in the mapping for OBJEK attribute.

Important note: For the generation of DOCNUM and SERIAL values the same implementation is used. In case you need to add a custom script or mapping for the generation of one of the attributes (e.g., DOCNUM), make sure to maintain the same script/mapping for the other one (e.g., SERIAL).

IDOC Segment Structure	System Fields	iDoc Field	Sample Value
Control Record	Segment	<EDI_DC40 SEGMENT="1">	1
	Table Name	<TABNAM>EDI_DC40</TABNAM>	EDI_DC40
	Document Number	<DOCNUM>16663613051</DOCNUM>	timestamp + counter
	EDI/AL: Serialization field	<SERIAL>16663613051</SERIAL>	timestamp + counter
	Direction	<DIRECT>2</DIRECT>	Constant value = 2 (Inbound)
	Basic Type	<IDOC TYP>CLFMAS02</IDOC TYP>	CLFMAS02
	Message Type	<MESTYP>CLFMAS</MESTYP>	CLFMAS
	Sender Info > Port	<SNDPOR>ZRD</SNDPOR>	Value shall be configured by Customer depending on Target System
	Sender Info > Partner Type	<SNDPRT>LS</SNDPRT>	Value shall be configured by Customer depending on Target System
	Sender Info > Partner number	<SNDP RN>SIDCLNTxxx</SNDP RN>	Value shall be configured by Customer depending on Target System
	Receiver Info > Port	<RCVPOR>ZRD</RCVPOR>	
	Receiver Info > Partner Type	<RCVPRT>ZR</RCVPRT>	
Receiver Info > Partner number	<RCVPRN>ZRD</RCVPRN>		
E1OCLFM	Name of database table for object	<OBJTAB>MARA</OBJTAB>	MARA
	Key of object to be classified	<OBJEK>00000000000000045</OBJEK>	Value of field ProductId from PackagingFees API
	Class Type	<KLART>001</KLART>	0001
E1KSSKM	Indicator: Object/Class	<MAFID>O</MAFID>	Constant value = O (Object)
	Class	<CLASS>ZRD</CLASS>	ZRD</CLASS>
E1AUSPM	Characteristic Name	<ATNAM>ZRD</ATNAM>	Sample value: ZRD</ATNAM> (value can be changed depending on characteristic name in Target System)
	Change Number	<AENNR>xxxxxxxxxxxx</AENNR>	Value shall be configured based on the created Change Number in the Target System
E1AUSPM[1]	Characteristic Value	<ATWRT>30</ATWRT>	Value of field ExemptionCode from PackagingFees API
	Change Number	<AENNR>xxxxxxxxxxxx</AENNR>	Value shall be configured based on the created Change Number in the Target System
E1AUSPM[2]	Characteristic Name	<ATNAM>ZRD</ATNAM>	Sample value: ZRD</ATNAM> (value can be changed depending on characteristic name in Target System)
	Change Number	<AENNR>xxxxxxxxxxxx</AENNR>	Value shall be configured based on the created Change Number in the Target System
E1AUSPM[2]	Characteristic Name	<ATNAM>ZRD</ATNAM>	Sample value: ZRD</ATNAM> (value can be changed depending on characteristic name in Target System)
	Change Number	<AENNR>xxxxxxxxxxxx</AENNR>	Value shall be configured based on the created Change Number in the Target System
E1AUSPM[2]	Characteristic Name	<ATNAM>ZRD</ATNAM>	Sample value: ZRD</ATNAM> (value can be changed depending on characteristic name in Target System)
	Change Number	<AENNR>xxxxxxxxxxxx</AENNR>	Value shall be configured based on the created Change Number in the Target System
E1AUSPM[2]	Characteristic Name	<ATNAM>ZRD</ATNAM>	Sample value: ZRD</ATNAM> (value can be changed depending on characteristic name in Target System)
	Change Number	<AENNR>xxxxxxxxxxxx</AENNR>	Value shall be configured based on the created Change Number in the Target System
E1AUSPM[2]	Characteristic Name	<ATNAM>ZRD</ATNAM>	Sample value: ZRD</ATNAM> (value can be changed depending on characteristic name in Target System)
	Change Number	<AENNR>xxxxxxxxxxxx</AENNR>	Value shall be configured based on the created Change Number in the Target System
E1AUSPM[2]	Characteristic Name	<ATNAM>ZRD</ATNAM>	Sample value: ZRD</ATNAM> (value can be changed depending on characteristic name in Target System)
	Change Number	<AENNR>xxxxxxxxxxxx</AENNR>	Value shall be configured based on the created Change Number in the Target System

In the Material Classification the weight values are stored for 1 product (as quantity). During the conversion the weight values (PlasticWeightInKg and NonRecycledPlasticInKG) are divided by the Reference Quantity and then mapped to the ZRD</ATNAM> and ZRD</ATNAM> characteristics.

Set additional replication filters for Material Classification

- MC Response Filter - this filter can be used to filter additionally the packaging fees data coming from SAP Responsible Design and Production for the Material Classification replication.
- MC Mapping – this property points to the desired message mapping that needs to be used for generating IDocs and allows custom message mappings to be used instead of the provided templates. By default, points to Material Classification template mapping from the package. This property accepts only the ID of the message mappings, and ID can be captured from the metadata of the artifact.
- SD Response Filter ZESP – this filter can be used to filter additionally the packaging fees data coming from SAP Responsible Design and Production for the Material Classification replication.
- SD Response Filter ZEST - this filter can be used to filter additionally the packaging fees data coming from SAP Responsible Design and Production for the Material Classification replication.
- Example: In case the main flow is set to replicate data for three different Report Categories, but only one is relevant for replication of data into Material Classification, required data for invoice printing.
- In case no filters are required, please set */root/value*
- *In case IDOC generation for SD Response Filter ZESP/ZEST or MC Response Filter must be skipped, please set /root [value='excludeSubprocess']*
- SD Mapping ZESP/ZEST – this property points to the desired message mapping that needs to be used for generating IDocs and allows custom message mappings to be used instead of the provided templates. By default, points to the Sales and Distribution ZESP/ZEST template mapping from the package. This property accepts only the ID of the message mappings, and ID can be captured from the metadata of the artifact.

Configure "Map Packaging Fees to Pricing Conditions and Material Classifications for Spain Plastic Tax"

Sender **More**

Type:	All Parameters
MC Mapping:	Material_Classification_Mapping
MC Response Filter:	/root/value
SD Mapping ZESP:	Sales_And_Distribution_ZESP_Mapping
SD Mapping ZEST:	Sales_And_Distribution_ZEST_Mapping
SD Response Filter ZESP:	/root/value
SD Response Filter ZEST:	/root/value

Save Deploy Close

Support for SAP S/4HANA Public Cloud

Before modifying the mapping for this integration flow, see [Access Report Documentation](#) and check the report documentation for Spain Plastic Packaging Tax, chapter **Prerequisite Activities for Spain Plastic Packaging Tax**.

Important note: To trigger the mapping integration flow Map Packaging Fees to Pricing Conditions and Material Classifications for Spain Plastic Tax, configure the "Packaging Fee Extension Enabled" filter to be set to "true". In case the filter is not set and the deploy is triggered for Spain Plastic Tax, the replication will fail with an error.

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the Create Pricing Conditions and Material Classifications to SAP ERP integration flow
3. Click on "Configure" button (right-upper corner)
4. Open "More" tab
5. Set the flag "Packaging Fee Extension Enabled" to "true"
6. Set the flag "S/4HANA Public Cloud Integration Enabled" to "true"
7. Press "Save"

Modify Sales and Distribution ZESP/ZEST Mapping for S/4HANA Public Cloud

The message mappings contain example mappings of the Packaging Fees REST API attributes to OData structure for SD pricing conditions with ZESP/ZEST condition type. Message mappings are dynamic, and integration flows can be configured to use custom message mappings. To use different from the default message mapping the ID from the metadata of the message mapping must be provided as configuration property.

Modify DEPRECATED - Material Classification Mapping

1. Open the **Sales and Distribution ZEST Mapping for S/4HANA Public Cloud and Sales and Distribution ZESP Mapping for S/4HANA Public Cloud**

The following values shall be modified in the relevant mappings if necessary:

- b. ConditionTable – the default table numbers are as follows: 004 – for Sales and Distribution with ZESP/ZEST condition type Pricing Conditions
- a. ConditionType – ZESP or ZEST.

Note: If necessary, the table numbers and the condition type can be adjusted to your setup.

2. Open the **DEPRECATED - Material Classification Mapping**
 - b. The following field: SNDPRN should be modified in the Material Classification Mapping in order to use it for S/4HANA Public Cloud. Use the logical name of the communication system SAP_COM_0149. The field should be configured based on the Communication System's Business System.

Important: If you have more than one scenario using the Material Classification Mapping, make sure to create a copy of the message mapping.

Sales and Distribution ZESP Mapping for S4HANA Public Cloud

Design / SAP Responsible Design and Production Integration with SAP ERP / Sales and Distribution ZESP Mapping for S4HANA Public Cloud / Edit Simulate Deploy Delete

Sales and Distribution ZESP Mapping for S4HANA Public Cloud

Message Mapping

References

Local (3) Global (0)

Name	Type	Size	Acti...
Schemas (2)			
source	XSD	2 KB	↓
target	XSD	12 KB	↓
Scripts (1)			
convertD	Gro...	164 ...	↓

root

Structure	Occure...
root	1..1
value	1..*
Product	0..1
ValidFrom	0..1
ValidTo	0..1
ApplicableOrganizationData	0..1
SalesOrganization	0..1
DistributionChannel	0..1
Division	0..1
ReferenceQuantity	0..1
BaseUnitOfMeasure	0..1
Currency	0..1
PackagingFeeExtension	0..1
InhouseProductionChargeableFee	0..1

batchParts

Structure	Occure...
batchParts	1..1
batchChangeSet	1..*
batchChangeSetPart	1..*
method	1..1
A_SisPrgConditionRecord	1..1
A_SisPrgConditionRecordType	1..*
ConditionTable	0..1
ConditionType	0..1
ConditionRateAmount	0..1
ConditionCurrency	0..1
ConditionQuantity	0..1
ConditionQuantityUnit	0..1
to_SisPrgCndnRecdValidity	0..*
A_SisPrgCndnRecdValidityType	0..*
ConditionValidityStartDate	0..1

ODATA Segment Structure	System Fields	OData Field	Sample Value
Control Record	Method	<method>POST</method>	POST
	Condition Table	<ConditionTable>xxx</ConditionTable>	004
A_SisPrgConditionRecordType	Condition Type	<ConditionType>ZESP</ConditionType>	ZESP
	Condition Rate Amount	<ConditionRateAmount></ConditionRateAmount>	Value of filed InhouseProductionChargeableFee from PackagingFee Extension API
	Condition Currency	<ConditionCurrency></ConditionCurrency>	Value of filed Currency from PackagingFee API
	Condition Quantity	<ConditionQuantity></ConditionQuantity>	Value of filed ReferenceQuantity from PackagingFee API
	Condition Quantity Unit	<ConditionQuantityUnit></ConditionQuantityUnit>	Value of filed BaseUnitOfMeasure from PackagingFee API
	A_SisPrgCndnRecdValidityType	Condition Validity Start Date	<ConditionValidityStartDate></ConditionValidityStartDate>
Condition Validity End Date		<ConditionValidityEndDate></ConditionValidityEndDate>	Value of filed ValidTo from PackagingFee API
Material		<Material></Material>	Value of filed Product from PackagingFee API
Division		<Division></Division>	Value of filed Division from PackagingFee API
Sales Organization		<SalesOrganization></SalesOrganization>	Value of filed SalesOrganization from PackagingFee API
Distribution Channel		<DistributionChannel></DistributionChannel>	Value of filed DistributionChannel from PackagingFee API

Sales and Distribution ZEST Mapping for S4HANA Public Cloud

Design / SAP Responsible Design and Production Integration with SAP ERP / Sales and Distribution ZEST Mapping for S4HANA Public Cloud

Sales and Distribution ZEST Mapping for S4HANA Public Cloud

Message Mapping

References

Local (3) Global (0)

Name	Type	Size	Acti...
Schemas (2)			
source	XSD	2 KB	↓
target	XSD	12 KB	↓
Scripts (1)			
convertD	Gro...	164 ...	↓

ODATA Segment Structure	System Fields	OData Field	Sample Value
Control Record	Method	<method>POST</method>	POST
	Condition Table	<ConditionTable>xxx</ConditionTable>	004
	Condition Type	<ConditionType>ZEST</ConditionType>	ZEST
A_SlsPrcgConditionRecordType	Condition Rate Amount	<ConditionRateAmount></ConditionRateAmount>	Value of filed InhouseProductionChargeableFee from PackagingFee Extension API
	Condition Currency	<ConditionCurrency></ConditionCurrency>	Value of filed Currency from PackagingFee API
	Condition Quantity	<ConditionQuantity></ConditionQuantity>	Value of filed ReferenceQuantity from PackagingFee API
	Condition Quantity Unit	<ConditionQuantityUnit></ConditionQuantityUnit>	Value of filed BaseUnitOfMeasure from PackagingFee API
	Condition Validity Start Date	<ConditionValidityStartDate></ConditionValidityStartDate>	Value of filed ValidFrom from PackagingFee API
A_SlsPrcgCndnRecdValidityType	Condition Validity End Date	<ConditionValidityEndDate></ConditionValidityEndDate>	Value of filed ValidTo from PackagingFee API
	Material	<Material></Material>	Value of filed Product from PackagingFee API
	Division	<Division></Division>	Value of filed Division from PackagingFee API
	Sales Organization	<SalesOrganization></SalesOrganization>	Value of filed SalesOrganization from PackagingFee API
	Distribution Channel	<DistributionChannel></DistributionChannel>	Value of filed DistributionChannel from PackagingFee API

DEPRECATED - Material Classification Mapping

Design / SAP Responsible Design and Production Integration with SAP ERP / Material Classification Mapping / Edit Simulate Deploy Delete

Material Classification Mapping

Message Mapping

References

Local (3) Global (0)

Name	Type	Size	Acti...
Schemas (2)			
source	XSD	3 KB	↓
targetMa	XSD	3 KB	↓
Scripts (1)			
createVa	Gro...	1 KB	↓

root

Structure	Occure...
root	1..1
value	1..*
Product	0..1
ValidFrom	0..1
ValidTo	0..1
ReportConfiguration	0..1
ReportCategory	0..1
ReportCategoryCountry	0..1
ReportCategoryRegion	0..1
ApplicableOrganizationData	0..1
CompanyCode	0..1
SalesOrganization	0..1
DistributionChannel	0..1
Division	0..1
ReferenceQuantity	0..1

CLFMAS02

Structure	Occure...
CLFMAS02	1..1
IDOC	1..*
@BEGIN	0..1
EDI_DC40	1..1
@SEGMENT	0..1
TABNAM	1..1
DOCNUM	0..1
SERIAL	0..1
DIRECT	1..1
IDOCTYP	1..1
MESTYP	1..1
SNDPDR	0..1
SNDPRT	1..1
SNDPRN	1..1
RCVPOR	0..1

IDOC Segment Structure System Fields	iDoc Field	Sample Value
Control Record	Segment	<EDI_DC40 SEGMENT="1">
	Table Name	<TABNAM>EDI_DC40</TABNAM>
	Document Number	<DOCNUM></DOCNUM>
	EDI/ALE: Serialization field	<SERIAL></SERIAL>
	Direction	<DIRECT>2</DIRECT>
	Basic Type	<IDOCTYP>CLFMAS02</IDOCTYP>
	Message Type	<MESTYP>CLFMAS</MESTYP>
	Sender Info > Port	<SNDPDR>ZRDZ</SNDPDR>
	Sender Info > Partner Type	<SNDPRT>LS</SNDPRT>
	Sender Info > Partner number	<SNDPRN>SIDCLNTxxx</SNDPRN>
	Receiver Info > Port	<RCVPOR>ZRDZ</RCVPOR>
	Receiver Info > Partner Type	<RCVPRT>ZR</RCVPRT>
	Receiver Info > Partner number	<RCVPRN>ZRDZ</RCVPRN>
	Name of database table for object	<OBJTAB>MARA</OBJTAB>
E10CLFM	Key of object to be classified	<OBJEK>00000000000000045</OBJEK>
	Class Type	<KLART>001</KLART>
E1KSSKM	Indicator: Object/Class	<MAFID>O</MAFID>
	Class	<CLASS>ZRDZ ES PLASTICTAX</CLASS>
E1AUSPM	Characteristic Name	<ATNAM>ZRDZ ES EXEMPTION</ATNAM>
	Change Number	<AENNR>xxxxxxxxxxxx</AENNR>
E1AUSPM[1]	Characteristic Name	<ATNAM>ZRDZ ES PLASTIC</ATNAM>
	Change Number	<AENNR>xxxxxxxxxxxx</AENNR>
E1AUSPM[2]	Characteristic Name	<ATNAM>ZRDZ ES NONRECYCLED PLASTIC</ATNAM>
	Change Number	<AENNR>xxxxxxxxxxxx</AENNR>
E1DATEM	Change Number	<AENNR>xxxxxxxxxxxx</AENNR>

Configure Map Packaging Fees to Pricing Conditions and Material Classifications for Spain Plastic Tax to S/4HANA Public Cloud

Configure the integration flow Map Packaging Fees to Pricing Conditions for Spain Plastic Tax with the message mappings:

- Sales and Distribution ZEST Mapping for S/4HANA Public Cloud
- Sales and Distribution ZESP Mapping for S/4HANA Public Cloud
- DEPRECATED - Material Classification Mapping

Configurations in SAP S/4HANA Public Cloud

The following steps need to be fulfilled:

7. Maintain the access sequence to the condition tables relevant for SAP Responsible Design and Production
8. Maintain Pricing Condition Type ZEST or ZESP in Sales

Configure Send Pricing Condition Records to S/4HANA Public Cloud

Procedure:

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the Send Pricing Condition Records to S/4HANA Public Cloud integration flow
3. Click on “Configure” button (right-upper corner)
4. Open “Sender” tab and configure the address. The address should be the same as the one you configured in tab “Receiver” for “S4HANA_PUBLIC_CLOUD” in the main integration flow “Create Pricing Conditions and Material Classifications to SAP ERP”. For reference, see chapter for S/4HANA Public Cloud - **Setup and Configuration**: Connectivity Configuration Steps.
5. Open “Receiver” tab and configure the connectivity to your S/4HANA Public Cloud system.

Note: The configuration depends on how you set up the S/4HANA System and the CPI credentials. For reference, see chapter for S/4HANA Public Cloud - **Setup and Configuration**: Connectivity Configuration Steps.

Configure "Send Pricing Condition Records to S4HANA Public Cloud"

Sender Receiver

Sender: Sender

Adapter Type: ProcessDirect

Address: **anonymized**

Save Deploy Close

Configure "Send Pricing Condition Records to S4HANA Public Cloud"

Sender Receiver

Receiver: S4HANA_SOAP_API

Adapter Type: SOAP

Address: https://({Host SOAP API})/sap/bc/srt/IDoc

Host SOAP API: **anonymized**

Proxy Type: Internet

Authentication: Client Certificate

Private Key Alias: **anonymized**

Save Deploy Close

Integrate Spain Plastic Tax into Existing Package

To integrate Spain Plastic Tax into your package, the main flow Create Pricing Conditions and Material Classifications to SAP ERP shall be copied.

For more information, see Important note in section Configure Mapping Extension Receiver.

Configure Map Packaging Fees to Pricing Conditions for CONAI Empty Packaging

Support for SAP ERP and SAP S/4HANA (On Premise)

Before modifying the mapping for this integration flow, see [Access Report Documentation](#) and check the report documentation for CONAI EPR report, chapter **Prerequisite Activities for CONAI EPR Report**.

Important note: To trigger the mapping integration flow Map Packaging Fees to Pricing Conditions for CONAI Empty Packaging, configure the “CONAI Packaging Fee Extension Enabled” filter to be set to “TRUE”. In case the filter is not set and the deploy is triggered for CONAI Empty Packaging, the replication will fail with an error.

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the Create Pricing Conditions and Material Classifications to SAP ERP integration flow
3. Click on “Configure” button (right-upper corner)
4. Open “More” tab
5. Set the flag “CONAI Packaging Fee Extension Enabled” to “TRUE”
6. Press “Save”

Modify Sales And Distribution ZCON Mapping

The message mapping contains example mapping of the PackagingFees REST API attributes to iDoc structure for SD pricing conditions with ZCON condition type. Customer independent fees for sales order invoice (fee per tonne) from the API is replicated as KBETR.

Modify Sales And Distribution ZESE Mapping

The message mapping contains example mapping of the PackagingFees REST API attributes to iDoc structure for SD pricing conditions with ZESE condition type. Customer dependent fees for sales order invoice (discount percentage) from the API is replicated as KBETR.

Modify Material Management ZCON Mapping

The message mapping contains example mapping of the PackagingFees REST API attributes to iDoc structure for SD pricing conditions with ZCON condition type. Company code independent fees for purchase order invoice (fee per tonne) from the API is replicated as KBETR.

Modify Material Management ZESE Mapping

The message mapping contains example mapping of the PackagingFees REST API attributes to iDoc structure for SD pricing conditions with ZESE condition type. Company code dependent fees for purchase order invoice (discount percentage) from the API is replicated as KBETR.

Modify the SD pricing conditions

See section “Modify Sales and Distribution Mapping and Material Management Mapping” in [Configure Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Report mapping flow](#). The referenced section is applicable for Sales and Distribution for CONAI Empty Packaging, except for the value key generation logic, which described below:

Value Key generation logic

The key is generated based on the order of the Organization and Master key fields of a pricing condition table. Keep in mind, Sales and Distribution can be customer independent or customer dependent.

Example for customer independent SD of condition type ZCON table A820 - value key is concatenate value of the below fields in the following order:

- c. Company code (IT99)
- d. material (21)

Example Value Key (VAKEY) value: IT99000000000000000021

Example for customer dependent SD of condition type ZESE table A971 - value key is concatenate value of the below fields in the following order:

- e. Company code (IT99)
- f. Customer (284)
- g. material (21)

Example Value Key (VAKEY) value: IT99000000028400000000000000021

Note: In case the values contain only numbers and are not the max length, zeros are added as prefix (example: material id=21, value would be 00000000000000021). In case the values contain both numbers and letters, and are not the max value, white spaces are added as suffix. For example: customer id= “CUST1”, value would be “CUST1”.

IDOC Segment Structure	System Fields	iDoc Field	Sample Value
Control Record	Segment	<EDL_DC40 SEGMENT="1">	1
	Table Name	<TABNAM>EDI_DC40</TABNAM>	EDI_DC40
	Document Number	<DOCNUM></DOCNUM>	timestamp + counter
	EDI/ALE: Serialization field	<SERIAL></SERIAL>	timestamp + counter
	Direction	<DIRECT>2</DIRECT>	Constant value = 2
	Basic Type	<IDOCTYP>COND_A05</IDOCTYP>	COND_A05
	Message Type	<MESTYP>COND_A</MESTYP>	COND_A
	Sender Info > Port	<SNDPDR>ZRDP</SNDPDR>	Value shall be configured by Customer depending on Target System
	Sender Info > Partner Type	<SNDPRT>LS</SNDPRT>	Value shall be configured by Customer depending on Target System
	Sender Info > Partner number	<SNDPRN>SIDCLNTxxx</SNDPRN>	Value shall be configured by Customer depending on Target System
	Receiver Info > Port	<RCVPDR>ZRDP</RCVPDR>	Value shall be configured by Customer depending on Target System
Receiver Info > Partner Type	<RCVPRT>ZR</RCVPRT>	Value shall be configured by Customer depending on Target System	
Receiver Info > Partner number	<RCVPRN>ZRDP</RCVPRN>	Value shall be configured by Customer depending on Target System	
E1KOMG	Material	<MATNR>xxx</MATNR>	Value of filed Product from PackagingFee API, sample value:21
	Value Key	<VAKEY>xxxxxxxxxxxxxxxxxxxxxxxx</VAKEY>	See value key generation logic Sample value: IT9900000000000000021
	Company Code	<BUKRS>xxx</BUKRS>	Value of filed CompanyCode from PackagingFee API, sample value:IT99
	Condition Type	<KSCHL>ZCON</KSCHL>	ZCON
	Usage of Condition Type	<KVEWE>A</KVEWE>	A
	Condition Table	<KOTABNR>820</KOTABNR>	820
E1KONH	Application	<KAPPL>V</KAPPL>	V
	Valid-From Date	<DATAB>xxx</DATAB>	Value of filed ValidForm Date from PackagingFee API
E1KONP	Valid-To Date	<DATBI>xxx</DATBI>	Value of filed ValidTo Date from PackagingFee API
	Condition Pricing Unit	<KPEIN>1</KPEIN>	1
	Condition Unit of Measure	<KMEIN>THE</KMEIN>	THE
	Condition Amount	<KBETR>xxx</KBETR>	Value of filed FeePerTonne from PackagingFee API
E1KONPT	Currency or Percentage	<KONWA>xxx</KONWA>	Value of filed Currency from PackagingFee API
	Language Code	<LAISO>IT</LAISO>	IT
	Product Hierarchy Description	<VTEXT>xxx</VTEXT>	Concatenate value of the below fields from PackagingFee API in the following order: 1. Value of filed packagingCode 2.(dash character) 3. Value of field reportFractionName Sample value:1-Steel

IDOC Segment Structure	System Fields	iDoc Field	Sample Value
Control Record	Segment	<EDI_DC40 SEGMENT="1">	1
	Table Name	<TABNAM>EDI_DC40</TABNAM>	EDI_DC40
	Document Number	<DOCNUM></DOCNUM>	timestamp + counter
	EDI/ALE: Serialization field	<SERIAL></SERIAL>	timestamp + counter
	Direction	<DIRECT>2</DIRECT>	Constant value = 2
	Basic Type	<IDOCTYP>COND_A05</IDOCTYP>	COND_A05
	Message Type	<MESTYP>COND_A</MESTYP>	COND_A
	Sender Info > Port	<SNDPDR>ZRDP</SNDPDR>	Value shall be configured by Customer depending on Target System
	Sender Info > Partner Type	<SNDPRT>LS</SNDPRT>	Value shall be configured by Customer depending on Target System
	Sender Info > Partner number	<SNDPRN>SIDCLNTxxx</SNDPRN>	Value shall be configured by Customer depending on Target System
	Receiver Info > Port	<RCVPDR>ZRDP</RCVPDR>	Value shall be configured by Customer depending on Target System
Receiver Info > Partner Type	<RCVPRT>ZR</RCVPRT>	Value shall be configured by Customer depending on Target System	
Receiver Info > Partner number	<RCVPRN>ZRDP</RCVPRN>	Value shall be configured by Customer depending on Target System	
E1KOMG	Material	<MATNR>xxx</MATNR>	Value of filed Product from PackagingFee API, sample value:21
	Customer	<KUNNR>xxx</KUNNR>	Value of filed Customer from PackagingFee API, sample value:CUST1
	Value Key	<VAKEY>xxxxxxxxxxxxxxxxxxxxxxxx</VAKEY>	See value key generation logic Sample value: IT990000002840000000000000021
	Company Code	<BUKRS>xxx</BUKRS>	Value of filed CompanyCode from PackagingFee API, sample value:IT99
	Condition Type	<KSCHL>ZESE</KSCHL>	ZESE
	Usage of Condition Type	<KVEWE>A</KVEWE>	A
E1KONH	Condition Table	<KOTABNR>971</KOTABNR>	971
	Application	<KAPPL>V</KAPPL>	V
E1KONP	Valid-From Date	<DATAB>xxx</DATAB>	Value of filed ValidForm Date from PackagingFee API
	Valid-To Date	<DATBI>xxx</DATBI>	Value of filed ValidTo Date from PackagingFee API
E1KONPT	Calculation Type of Condition	<KRECH>A</KRECH>	A
	Condition Amount	<KBETR>xxx</KBETR>	Value of filed exemptionPercent from PackagingFee API
E1KONPT	Language Code	<LAISO>IT</LAISO>	IT
	Product Hierarchy Description	<VTEXT>xxx</VTEXT>	Concatenate value of the below fields from PackagingFee API in the following order: 1. Value of filed packagingCode 2.(dash character) 3. Value of field reportFractionName Sample value:1-Steel

Modify the MM pricing conditions

See section “Modify Sales and Distribution Mapping and Material Management Mapping” in Configure Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Report mapping flow. The referenced section is applicable for Material Management for CONAI Empty Packaging, except for the value key generation logic, which is described below:

Value Key generation logic

The key is generated based on the order of the Organization and Master key fields of a pricing condition table. Keep in mind, Material Management can be company code independent or company code dependent.

Example for company code independent/dependent MM of condition type ZCON/ZESE table A820 - value key is concatenate value of the below fields in the following order:

- h. Company code (IT99)
- i. material (21)

Example Value Key (VAKEY) value: IT99000000000000000021

Note: Supplier Support for CONAI Empty Packaging Material Management is not applicable.

IDOC Segment Structure	System Fields	iDoc Field	Sample Value
Control Record	Segment	<EDI_DC40 SEGMENT="1">	1
	Table Name	<TABNAM>EDI_DC40</TABNAM>	EDI_DC40
	Document Number	<DOCNUM></DOCNUM>	timestamp + counter
	EDI/ALE: Serialization field	<SERIAL></SERIAL>	timestamp + counter
	Direction	<DIRECT>2</DIRECT>	Constant value = 2
	Basic Type	<IDOCTYP>COND_A05</IDOCTYP>	COND_A05
	Message Type	<MESTYP>COND_A</MESTYP>	COND_A
	Sender Info > Port	<SNDPOR>ZRDP</SNDPOR>	Value shall be configured by Customer depending on Target System
	Sender Info > Partner Type	<SNDPRT>LS</SNDPRT>	Value shall be configured by Customer depending on Target System
	Sender Info > Partner number	<SNDPRN>SIDCLNTxxx</SNDPRN>	Value shall be configured by Customer depending on Target System
	Receiver Info > Port	<RCVPOR>ZRDP</RCVPOR>	Value shall be configured by Customer depending on Target System
	Receiver Info > Partner Type	<RCVPRT>ZR</RCVPRT>	Value shall be configured by Customer depending on Target System
Receiver Info > Partner number	<RCVPRN>ZRDP</RCVPRN>	Value shall be configured by Customer depending on Target System	
E1KOMG	Material	<MATNR>xxx</MATNR>	Value of filed Product from PackagingFee API, sample value:21 See value key generation logic Sample value: IT9900000000000000021
	Value Key	<VAKEY>xxxxxxxxxxxxxxxxxxxxxxxx</VAKEY>	
	Company Code	<BUKRS>xxx</BUKRS>	Value of filed CompanyCode from PackagingFee API, sample value:IT99
	Condition Type	<KSCHL>ZCON</KSCHL>	ZCON
	Usage of Condition Type	<KVEWE>A</KVEWE>	A
	Condition Table	<KOTABNR>820</KOTABNR>	820
E1KONH	Application	<KAPPL>V</KAPPL>	M
	Valid-From Date	<DATAB>xxx</DATAB>	Value of filed ValidForm Date from PackagingFee API
E1KONP	Valid-To Date	<DATBI>xxx</DATBI>	Value of filed ValidTo Date from PackagingFee API
	Condition Pricing Unit	<KPEIN>1</KPEIN>	1
E1KONP	Condition Unit of Measure	<KMEIN>THE</KMEIN>	THE
	Condition Amount	<KBETR>xxx</KBETR>	Value of filed FeePerTonne from PackagingFee API
	Currency or Percentage	<KONWA>xxx</KONWA>	Value of filed Currency from PackagingFee API
E1KONPT	Language Code	<LAISO>IT</LAISO>	IT
	Product Hierarchy Description	<VTEXT>xxx</VTEXT>	Concatenate value of the below fields from PackagingFee API in the following order: 1. Value of filed packagingCode 2.(dash character) 3. Value of field reportFractionName Sample value:1-Steel

IDOC Segment Structure	System Fields	iDoc Field	Sample Value
Control Record	Segment	<EDI_DC40 SEGMENT="1">	1
	Table Name	<TABNAM>EDI_DC40</TABNAM>	EDI_DC40
	Document Number	<DOCNUM></DOCNUM>	timestamp + counter
	EDI/ALE: Serialization field	<SERIAL></SERIAL>	timestamp + counter
	Direction	<DIRECT>2</DIRECT>	Constant value = 2
	Basic Type	<IDOCTYP>COND_A05</IDOCTYP>	COND_A05
	Message Type	<MESTYP>COND_A</MESTYP>	COND_A
	Sender Info > Port	<SNDPOR>ZRDP</SNDPOR>	Value shall be configured by Customer depending on Target System
	Sender Info > Partner Type	<SNDPRT>LS</SNDPRT>	Value shall be configured by Customer depending on Target System
	Sender Info > Partner number	<SNDPRN>SIDCLNTxxx</SNDPRN>	Value shall be configured by Customer depending on Target System
	Receiver Info > Port	<RCVPOR>ZRDP</RCVPOR>	Value shall be configured by Customer depending on Target System
	Receiver Info > Partner Type	<RCVPRT>ZR</RCVPRT>	Value shall be configured by Customer depending on Target System
Receiver Info > Partner number	<RCVPRN>ZRDP</RCVPRN>	Value shall be configured by Customer depending on Target System	
E1KOMG	Material	<MATNR>xxx</MATNR>	Value of filed Product from PackagingFee API, sample value:21 See value key generation logic Sample value: IT9900000000000000021
	Value Key	<VAKEY>xxxxxxxxxxxxxxxxxxxxxxxx</VAKEY>	
	Company Code	<BUKRS>xxx</BUKRS>	Value of filed CompanyCode from PackagingFee API, sample value:IT99
	Condition Type	<KSCHL>ZESE</KSCHL>	ZESE
	Usage of Condition Type	<KVEWE>A</KVEWE>	A
	Condition Table	<KOTABNR>971</KOTABNR>	820
E1KONH	Application	<KAPPL>V</KAPPL>	M
	Valid-From Date	<DATAB>xxx</DATAB>	Value of filed ValidForm Date from PackagingFee API
E1KONP	Valid-To Date	<DATBI>xxx</DATBI>	Value of filed ValidTo Date from PackagingFee API
	Calculation Type of Condition	<KRECH>A</KRECH>	A
E1KONP	Condition Amount	<KBETR>xxx</KBETR>	Value of filed exemptionPercent from PackagingFee API
	Language Code	<LAISO>IT</LAISO>	IT
	Product Hierarchy Description	<VTEXT>xxx</VTEXT>	Concatenate value of the below fields from PackagingFee API in the following order: 1. Value of filed packagingCode 2.(dash character) 3. Value of field reportFractionName Sample value:1-Steel

- Refer to section **Configure Responsible Design and Production Host** for configuration of host and credential name.

- SD/MM Response Filter - this filter can be used to filter additionally the packaging fees data coming from SAP Responsible Design and Production for the SD/MM replication. This filter is applicable for both condition types for Sales and Distribution and Material Management (ZCON and ZESE).
- Example: In case the main flow is set to replicate data for three different Report Categories, but only one is relevant for replication of data into SD/MM required data for invoice printing.
- In case no filters are required, please set */root/value*
- *In case IDOC generation for SD Response Filter or MM Response Filter must be skipped, please set /root [value='excludeSubprocess']*
- SD Mapping ZCON/ZESE – this property points to the desired message mapping that needs to be used for generating IDocs and allows custom message mappings to be used instead of the provided templates. By default, points to the Sales and Distribution ZCON/ZESE template mapping from the package. This property accepts only the ID of the message mappings, and ID can be captured from the metadata of the artifact.

Note (Version 2.0.0): The SD Mapping ZCON, SD Mapping ZESE, MM Mapping ZCON, and MM Mapping ZESE properties are optional. If a mapping field is left empty, the corresponding mapping and subprocess will be skipped. Note: Both SD ZCON and ZESE Mappings must be specified together, otherwise SD Pricing Conditions will be skipped entirely. The same applies to MM ZCON and ZESE for Material Management.

Configure "Map Packaging Fees to Pricing Conditions for CONAI Empty Packaging"

Sender	Receiver	More
Type:	All Parameters	
MM Mapping ZCON:	Material_Management_ZCON_Mapping	
MM Mapping ZESE:	Material_Management_ZESE_Mapping	
MM Response Filter:	/root/value	
SD Mapping ZCON:	Sales_and_Distribution_ZCON_Mapping	
SD Mapping ZESE:	Sales_and_Distribution_ZESE_Mapping	
SD Response Filter:	/root/value	

Save Deploy Close

Integrate CONAI Empty Packaging into Existing Package

To integrate CONAI Empty Packaging into your package, the main flow Create Pricing Conditions and Material Classifications to SAP ERP shall be copied.

For more information, see Important note in section Configure Mapping Extension Receiver.

Support for SAP S/4HANA Public Cloud

Before modifying the mapping for this integration flow, see [Access Report Documentation](#) and check the report documentation for CONAI EPR report, chapter **Prerequisite Activities for CONAI EPR Report**.

Important note: To trigger the mapping integration flow Map Packaging Fees to Pricing Conditions for CONAI Empty Packaging, configure the “CONAI Packaging Fee Extension Enabled” filter to be set to “TRUE”. In case the filter is not set and the deploy is triggered for CONAI Empty Packaging, the replication will fail with an error.

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the Create Pricing Conditions and Material Classifications to SAP ERP integration flow
3. Click on “Configure” button (right-upper corner)
4. Go to the “Receiver” tab and select “S4HANA_PUBLIC_CLOUD”
5. In field “Address” add the address of the integration flow Map Packaging Fees to Pricing Conditions for CONAI Empty Packaging.
6. Open “More” tab
7. Set the flag “CONAI Packaging Fee Extension Enabled” to “TRUE”
8. Set the flag “S/4HANA Public Cloud Integration Enabled” to “TRUE”
9. Press “Save”

Modify Sales and Distribution ZCON/ZESE and Material Management Mapping ZCON/ZESE for S/4HANA Public Cloud

The message mappings contain example mappings of the Packaging Fees REST API attributes to OData structure for SD and MM pricing conditions. Message mappings are dynamic, and IFlow can be configured to use custom Message Mappings. To use different from the default Message Mapping the ID from the Metadata of the message mapping must be provided as configuration property.

- a. Open the Sales and Distribution ZCON Mapping for S/4HANA Public Cloud, Sales and Distribution ZESE Mapping for S/4HANA Public Cloud, Material Management ZCON Mapping for S/4HANA Public Cloud and Material Management ZESE Mapping for S/4HANA Public Cloud
- b. The following values shall be modified in the relevant mappings if necessary:
 - a. ConditionTable – the default table numbers are as follows:
 - i. 004 – for Sales and Distribution with ZCON condition type Pricing Conditions

- ii. 005 – for Sales and Distribution with ZESE condition type Pricing Conditions
 - iii. 820 – for Material Management with ZCON or ZESE condition type Pricing Conditions
- b. ConditionType – ZCON (for customer independent pricing conditions) or ZESE (for company code dependent pricing conditions).

Note: If necessary, the table numbers and the condition type can be adjusted to your setup.

Sales And Distribution ZCON Mapping for S/4HANA Public Cloud

The screenshot displays the SAP Message Mapping interface for 'Sales and Distribution ZCON Mapping for S4HANA Public Cloud'. It shows two message structures: 'root' and 'batchParts'. The 'root' structure has a 'value' element containing fields like Product, ValidFrom, ValidTo, ApplicableOrganizationData, CONAI-PackagingFeeExtension, and Currency. The 'batchParts' structure contains a 'batchChangeSet' element with a 'batchChangeSetPart' element, which includes a 'method' element and an 'A_SisPrgConditionRecord' element. The 'A_SisPrgConditionRecord' element contains 'ConditionTable', 'ConditionType', and 'ConditionRateAmount'. Lines with 'fx' icons indicate the mapping between these fields.

ODATA Segment Structure	System Fields	OData Field	Sample Value
Control Record	Method	<method>POST</method>	POST
A_SisPrgConditionRecordType	Condition Table	<ConditionTable>xxx</ConditionTable>	004
	Condition Type	<ConditionType>ZCON</ConditionType>	ZCON
	Condition Rate Amount	<ConditionRateAmount></ConditionRateAmount>	Value of filed FeePerTonne from PackagingFee API
	Condition Currency	<ConditionCurrency></ConditionCurrency>	Value of filed Currency from PackagingFee API
	Condition Quantity	<ConditionQuantity>1</ConditionQuantity>	1
	Condition Quantity Unit	<ConditionQuantityUnit>TO</ConditionQuantityUnit>	TO
A_SisPrgCndnRecdValidityType	Condition Validity Start Date	<ConditionValidityStartDate></ConditionValidityStartDate>	Value of filed ValidFrom from PackagingFee API
	Condition Validity End Date	<ConditionValidityEndDate></ConditionValidityEndDate>	Value of filed ValidTo from PackagingFee API
	Material	<Material></Material>	Value of filed Product from PackagingFee API
	Division	<Division></Division>	Value of filed Division from PackagingFee API
A_SisPrgConditionRecordTextType	Sales Organization	<SalesOrganization></SalesOrganization>	Value of filed SalesOrganization from PackagingFee API
	Distribution Channel	<DistributionChannel></DistributionChannel>	Value of filed DistributionChannel from PackagingFee API
	Language	<Language>IT</Language>	IT
	ConditionText	<ConditionText></ConditionText>	Concatenate value of the below fields from PackagingFee API in the following order: 1. Value of filed packagingCode 2. - (dash character) 3. Value of field reportFractionName Sample value: 1-Steel

Sales And Distribution ZESE Mapping for S/4HANA Public Cloud

Design / SAP Responsible Design and Production Integration with SAP ERP / Sales and Distribution ZESE Mapping for S4HANA Public Cloud / Edit Simulate Deploy Delete

Sales and Distribution ZESE Mapping for S4HANA Public Cloud

Message Mapping

References: Local (3) Global (0)

Name	Type	Size	Acti...
source	XSD	2 KB	↓
targetSD	XSD	13 KB	↓
convert	Gro...	167...	↓

root

Structure	Occurs...
root	1..1
value	0..*
Product	0..1
ValidFrom	0..1
ValidTo	0..1
ApplicableOrganizationData	0..1
CompanyCode	0..1
SalesOrganization	0..1
DistributionChannel	0..1

batchParts

Structure	Occurs...
batchParts	1..1
batchChangeSet	1..*
batchChangeSetPart	1..*
method	1..1
A_SlsPrcgConditionRecord	1..1
A_SlsPrcgConditionRecordType	1..*
ConditionTable	0..1
ConditionType	0..1
ConditionRateValue	0..1

Mapping Expression Parameters

Test Input File: Upload test file Browse

ODATA Segment Structure	System Fields	OData Field	Sample Value
Control Record	Method	<method>POST</method>	POST
A_SlsPrcgConditionRecordType	Condition Table	<ConditionTable>xxx</ConditionTable>	005
	Condition Type	<ConditionType>ZESE</ConditionType>	ZESE
	Condition Rate Value	<ConditionRateValue></ConditionRateValue>	Value of filed exemptionPercent from PackagingFee API
	Condition Rate Value Unit	<ConditionRateValueUnit>%</ConditionRateValueUnit>	%
	Condition Validity Start Date	<ConditionValidityStartDate></ConditionValidityStartDate>	Value of filed ValidFrom from PackagingFee API
A_SlsPrcgCndnRecdValidityType	Condition Validity End Date	<ConditionValidityEndDate></ConditionValidityEndDate>	Value of filed ValidTo from PackagingFee API
	Material	<Material></Material>	Value of filed Product from PackagingFee API
	Division	<Division></Division>	Value of filed Division from PackagingFee API
	Sales Organization	<SalesOrganization></SalesOrganization>	Value of filed SalesOrganization from PackagingFee API
	Distribution Channel	<DistributionChannel></DistributionChannel>	Value of filed DistributionChannel from PackagingFee API
A_SlsPrcgConditionRecordTextType	Customer	<Customer></Customer>	Value of filed Customer from PackagingFee API
	Language	<Language>IT</Language>	IT
	ConditionText	<ConditionText></ConditionText>	Concatenate value of the below fields from PackagingFee API in the following order: 1. Value of filed packagingCode 2. - (dash character) 3. Value of field reportFractionName Sample value: 1-Steel

Material Management ZCON Mapping for S/4HANA Public Cloud

Design / SAP Responsible Design and Production Integration with SAP ERP / Material Management ZCON Mapping for S4HANA Public Cloud / Edit Simulate Deploy Delete

Material Management ZCON Mapping for S4HANA Public Cloud

Message Mapping

References

Local (3) Global (0)

Name	Type	Size	Acti...
source	XSD	2 KB	↓
target	XSD	10 KB	↓
convert	Gro...	164...	↓

Mapping Expression Parameters

Test Input File: Browse

ODATA Segment Structure	System Fields	OData Field	Sample Value
Control Record	Method	<method>POST</method>	POST
	Condition Table	<ConditionTable>xxx</ConditionTable>	840
	Condition Type	<ConditionType>ZCON</ConditionType>	ZCON
A_PurgPrgcConditionRecordType	Condition Rate Value	<ConditionRateValue></ConditionRateAmount>	Value of filed FeePerTonne from PackagingFee API
	Condition Rate Value Unit	<ConditionRateValueUnit></ConditionRateValueUnit>	Value of filed Currency from PackagingFee API
	Condition Quantity	<ConditionQuantity>1</ConditionQuantity>	1
	Condition Quantity Unit	<ConditionQuantityUnit>TO</ConditionQuantityUnit>	TO
	Condition Validity Start Date	<ConditionValidityStartDate></ConditionValidityStartDate>	Value of filed ValidFrom from PackagingFee API
	Condition Validity End Date	<ConditionValidityEndDate></ConditionValidityEndDate>	Value of filed ValidTo from PackagingFee API
A_PurgPrgcCndnRecdValidityType	Material	<Material></Material>	Value of filed Product from PackagingFee API
	Company Code	<CompanyCode></CompanyCode>	Value of filed Company Code from PackagingFee API
	Purchasing Organization	<PurchasingOrganization></PurchasingOrganization>	Value of filed Company Code from PackagingFee API
	Purchasing Info Record Category	<PurchasingInfoRecordCategory>0</PurchasingInfoRecordCategory>	0

Material Management ZESE Mapping for S/4HANA Public Cloud

Design / SAP Responsible Design and Production Integration with SAP ERP / Material Management ZESE Mapping for S4HANA Public Cloud / Edit Simulate Deploy Delete

Material Management ZESE Mapping for S4HANA Public Cloud

Message Mapping

References

Local (3) Global (0)

Name	Type	Size	Acti...
source	XSD	2 KB	↓
target	XSD	9 KB	↓
convert	Gro...	164...	↓

ODATA Segment Structure	System Fields	OData Field	Sample Value
Control Record	Method	<method>POST</method>	POST
A_PurgPrgcConditionRecordType	Condition Table	<ConditionTable>xxx</ConditionTable>	840
	Condition Type	<ConditionType>ZESE</ConditionType>	ZESE
	Condition Rate Value	<ConditionRateValue></ConditionRateAmount>	Value of filed exemptionPercent from PackagingFee API
	Condition Rate Value Unit	<ConditionRateValueUnit>%</ConditionRateValueUnit>	%
A_PurgPrgcCndnRecdValidityType	Condition Validity Start Date	<ConditionValidityStartDate></ConditionValidityStartDate>	Value of filed ValidFrom from PackagingFee API
	Condition Validity End Date	<ConditionValidityEndDate></ConditionValidityEndDate>	Value of filed ValidTo from PackagingFee API
	Material	<Material></Material>	Value of filed Product from PackagingFee API
	Company Code	<CompanyCode></CompanyCode>	Value of filed Company Code from PackagingFee API
	Purchasing Organization	<PurchasingOrganization></PurchasingOrganization>	Value of filed Company Code from PackagingFee API
	Purchasing Info Record Category	<PurchasingInfoRecordCategory>0</PurchasingInfoRecordCategory>	0

Configure Map Packaging Fees to Pricing Conditions for CONAI Empty Packaging

Configure the integration flow Map Packaging Fees to Pricing Conditions for CONAI Empty Packaging with the message mappings:

- Sales and Distribution ZCON Mapping for S/4HANA Public Cloud
- Sales and Distribution ZESE Mapping for S/4HANA Public Cloud
- Material Management ZCON Mapping for S/4HANA Public Cloud
- Material Management ZESE Mapping for S/4HANA Public Cloud

Configurations in SAP S/4HANA Public Cloud

The following steps need to be fulfilled:

3. Maintain the access sequence to the condition tables relevant for SAP Responsible Design and Production
4. Maintain Pricing Condition Type ZCON or ZESE in Sales and in Purchasing

Configure Send Pricing Condition Records to S/4HANA Public Cloud

This integration flow supports sending of OData messages to S/4HANA Public Cloud systems.

Procedure:

6. Go to SAP Responsible Design and Production Integration with SAP ERP package
7. Open the Send Pricing Condition Records to S/4HANA Public Cloud integration flow
8. Click on “Configure” button (right-upper corner)
9. Open “Sender” tab and configure the address. The address should be the same as the one you configured in tab “Receiver” for “S4HANA_PUBLIC_CLOUD” in the main integration flow “Create Pricing Conditions and Material

Classifications to SAP ERP". For reference, see chapter for S/4HANA Public Cloud - **Setup and Configuration**: Connectivity Configuration Steps.

10. Open "Receiver" tab and configure the connectivity to your S/4HANA Public Cloud system

Note: The configuration depends on how you set up the S/4HANA System and the CPI credentials. For reference, see chapter for S/4HANA Public Cloud - **Setup and Configuration**: Connectivity Configuration Steps.

Configure "Send Pricing Condition Records to S4HANA Public Cloud"

Sender Receiver

Connection

Sender: Sender

Adapter Type: ProcessDirect

Address: **anonymized**

Save Deploy Close

Configure "Send Pricing Condition Records to S4HANA Public Cloud"

Sender Receiver

Connection

Receiver: S4HANA_API

Adapter Type: HCIOData

Address: https://{Host}/sap/opu/odata/sap/\$[header.api]

Host: **anonymized**

Proxy Type: Internet

Authentication: Client Certificate

Private Key Alias: **anonymized**

CSRF Protected:

Reuse Connection:

Save Deploy Close

Integrate CONAI Empty Packaging into Existing Package

To integrate CONAI Empty Packaging into your package, the main flow Create Pricing Conditions and Material Classifications to SAP ERP shall be copied.

For more information, see Important note in section Configure Mapping Extension Receiver.

Configure Extended Producer Responsibility Reports with support for customer roles

Support for SAP ERP and SAP S/4HANA (On Premise)

The goal of this supported scenario is to allow the option to replicate packaging fees that are supported in SAP Responsible Design and Production and have a customer role. Replication of customer roles is used for the identification and creation of the correct customer role and product-based sales and distribution pricing condition.

Configurations in SAP ERP

The following steps need to be taken:

1. Create a new custom SD pricing condition table with the following key attributes:
 - Sales Organization (VKORG)
 - Distribution Channel (VTWEG)
 - Material (MATNR)
 - Condition Group 1 (KDKG1)

Example condition table with a sample value (801):

Table Number	<input type="text" value="801"/>	Sales Org./Distr. Chl/Material/CondGrp 1
	<input checked="" type="checkbox"/>	with Validity Period
	<input checked="" type="checkbox"/>	with Release Status
Selected Fields		
Description	Technical Name	Global Field Name
Sales Organization	VKORG	SalesOrganization
Distribution Channel	VTWEG	DistributionChannel
Material	MATNR	Material
Condition Group 1	KDKG1	

2. Maintain the access to the created condition table in the Access Sequence relevant for SAP Responsible Design and Production:
 - Maintain an access position before the Material table (sample value of Material table: 004)
 - Check the “Exclusive” flag

Access Sequence	<input type="text" value="ZCRC"/>	RDP Material and Customer Role			
Accesses					
No.	Table	Description	Requirement	Exclusive	
<input type="text" value="10"/>	801	Sales Org./Distr. Chl/Material/CondGrp 1	0	<input checked="" type="checkbox"/>	
<input type="text" value="20"/>	004	Material	0	<input type="checkbox"/>	

3. Maintain the number of the new pricing condition table in SAP Cloud Integration for artifact Sales and Distribution Mapping. You can do that by setting the number of the condition table in the IDoc field E1KOMG → KOTABNR. For more information, see screenshot in section Sales and Distribution Mapping.
4. If the Condition Group 1 is already used in other scenarios, you can use other Condition Group fields or any other Customer Master Data field. In this case, you need to configure accordingly:
 - the fields of the condition table
 - the artifact Sales and Distribution Mapping with support for Customer Role dependent pricing conditions. You need to maintain which Customer Master field to use to store the roles.
5. Maintain the following Condition Groups:
 - Z1 - END_CONSUM
 - Z2 - HORECA
 - Z3 - HOSPITAL
 - Z4 - PROF_CUSTM
 - Z5 - RETAILER

Configurations in SAP Cloud Integration

Use cases when configuring Extended Producer Responsibility Reports with support for customer roles:

1. In case you already have existing setup for Extended Producer Responsibility Reports, you need to:
 - Configure the artifact Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility by setting the SD mapping to Sales and Distribution Mapping.
 - Configure the main integration flow Create Pricing Conditions and Material Classifications to SAP ERP by setting the filter “Include Customer Role Dependent Fees” to “true”.
 - Deploy the required artifact following the deployment order described in the section “Supported Scenarios” for Extended Producer Responsibility Reports with support for customer roles. For more information about the supported artifacts, read the section below.
2. In case you set up the replication for Extended Producer Responsibility Reports for the first time, read the section below and refer to section “Supported Scenarios” for Extended Producer Responsibility Reports with support for customer roles when deploying the required artifacts.

SAP Responsible Design and Production Value Mapping

All configurable placeholder values for message mappings are centrally maintained in this artifact.

The artifact supports customer roles mapping between SAP Responsible Design and Production and SAP ERP Customer Condition Groups, as well as configurable placeholder values for message mappings organized by the following bi-directional mapping groups:

- [Private Cloud/On-Premise] General Configurations
- [Private Cloud/On-Premise] Extended Producer Responsibility
- [Public Cloud] Extended Producer Responsibility
- [Public Cloud] CONAI Empty Packaging

The Value Mapping artifact is global – it is shared across all SAP Responsible Design and Production integration flows across packages.

Bi-Directional Mapping:

- Source Agency: SAP Responsible Design and Production
- Source Identifier: Customer Role
- Target Agency: SAP ERP
- Target Identifier: Customer Condition Group

Default Mapping:

END_CONSUM=Z1, HORECA=Z2, HOSPITAL=Z3, PROF_CUSTM=Z4, RETAILER=Z5

For more information see [Customer Role | SAP Help Portal](#).

Procedure:

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the SAP Responsible Design and Production Value Mapping
3. Click on “Configure” button (right-upper corner)
4. Add roles if applicable
5. Deploy the artifact

Value Mapping Prefix: It is used to dynamically retrieve the correct set of placeholder values from the Value Mapping at runtime. Each message mapping calls the Value Mapping using this prefix to obtain configuration values (for example, Condition Table number, Condition Type, Sender profiles).

Configuring placeholder values in the Value Mapping:

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Click on the three dots next to artifact SAP Responsible Design and Production Value Mapping.
3. Choose "Configure"
4. Locate the relevant bi-directional mapping group for your scenario (for example, "[Private Cloud/On-Premise] Extended Producer Responsibility")

- Update the placeholder values with your specific system values (for example, Condition Table number, Condition Type, Sender Partner number, etc.)
- Save and Deploy the artifact

SAP Responsible Design and Production Integration with SAP ERP / SAP Responsible Design and Production Value Mapping / Edit Deploy Delete

SAP Responsible Design and Production Value Mapping

Bi-Directional Mapping

Agency	Identifier	⇌	Agency	Identifier	State
SAP Responsible Design and Production	[Private Cloud/On-Premise] Extended Producer Responsibility	⇌	Property	Value	
SAP Responsible Design and Production	[Public Cloud] CONAI Empty Packaging	⇌	Property	Value	
SAP Responsible Design and Production	[Public Cloud] Extended Producer Responsibility	⇌	Property	Value	
SAP Responsible Design and Production	[Private Cloud/On-Premise] General Configurations	⇌	Property	Value	
SAP Responsible Design and Production	Customer Role	⇌	SAP ERP	Customer Condition Group	

Bi-Directional Mapping

Agency	Identifier	⇌	Agency	Identifier	State
SAP Responsible Design and Production	[Private Cloud/On-Premise] Extended Producer Responsibility	⇌	Property	Value	
SAP Responsible Design and Production	[Public Cloud] CONAI Empty Packaging	⇌	Property	Value	
SAP Responsible Design and Production	[Public Cloud] Extended Producer Responsibility	⇌	Property	Value	
SAP Responsible Design and Production	[Private Cloud/On-Premise] General Configurations	⇌	Property	Value	
SAP Responsible Design and Production	Customer Role	⇌	SAP ERP	Customer Condition Group	

[Value Mappings:](#) [Default Values:](#)

Value Mappings for

SAP Responsibl..., [Private Cloud...	⇌	Property, Value
Sender Port	⇌	XXXX
Sender Partner Type	⇌	XX
Sender Partner Number	⇌	SNDCLNTXXX
Receiver Port	⇌	XXXX
Receiver Partner Type	⇌	XX

Usage:
 ValueMap (Source agency, Source identifier, Source value, Target agency, Target identifier) = Target value;
 Example:
 ValueMap (SAP Responsible Design and Production, [Private Cloud/On-Premise] General Configurations, Sender Port, Property, Value) = XXXX;
 ValueMap (Property, Value, XXXX, SAP Responsible Design and Production, [Private Cloud/On-Premise] General Configurations) = Sender Port;

Important note: If a role mapping cannot be found for any given customer role record, it will be skipped and not send to SAP ERP. Additionally, a warning message will be attached to the Message Processing Log, see a sample message below:

No role mappings were found for the following customer roles: <unknownCustomerRoles>.

Please make sure all the replicated roles are mapped. Open SAP Responsible Design and Production Value Mapping, choose Configure, add the desired roles, and deploy the artifact.

Logs

[Open Text View](#)

Log Level: Info
Instance ID: 0

Attachments

Entries (1)

Name	Type	Modified At	Size
Warning - Unknown Customer Roles found during mapping	text/plain	Sep 11, 2024, 16:17:47	1 KB ↓

Material Management Mapping

See section “Modify Sales and Distribution Mapping and Material Management Mapping” in Configure Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Report mapping flow.

Customer Roles Mapping

The message mapping contains template mapping for customer roles replicated from SAP Responsible Design and Production Customer Roles API to SAP ERP Customer Master Data.

IDOC Segment Structure	System Fields	iDoc Field	Sample Value
Control Record	Segment	<EDI_DC40 SEGMENT="1">	1
	Table Name	<TABNAM>EDI_DC40</TABNAM>	EDI_DC40
	Document Number	<DOCNUM></DOCNUM>	timestamp + counter
	EDI/ALE: Serialization field	<SERIAL></SERIAL>	timestamp + counter
	Direction	<DIRECT>2</DIRECT>	Constant value = 2
	Basic Type	<IDOCTYP>DEBMAS</IDOCTYP>	DEBMAS01
	Message Type	<MESTYP>DEBMAS</MESTYP>	DEBMAS
	Sender Info > Port	<SNDPOR>ZRDP</SNDPOR>	Value shall be configured by Customer depending on Target System
	Sender Info > Partner Type	<SNDPRT>LS</SNDPRT>	Value shall be configured by Customer depending on Target System
	Sender Info > Partner number	<SNDPRT>LS</SNDPRT>	Value shall be configured by Customer depending on Target System
	Receiver Info > Port	<RCVPOR>ZRDP</RCVPOR>	Value shall be configured by Customer depending on Target System
	Receiver Info > Partner Type	<RCVPRT>ZR</RCVPRT>	Value shall be configured by Customer depending on Target System
Receiver Info > Partner number	<RCVPRN>ZRDP</RCVPRN>	Value shall be configured by Customer depending on Target System	
E1KNA1M	Customer	<KUNNR>xxx</KUNNR>	Customer
	Condition Group 1 Code	<KDKG1>xx</KDKG1>	The double-digits code for the role attribute value. To be read from SAP Responsible Design and Production Value Mapping
	Additional fields that should not be modified	<*></*>	Value indicating no changes: /

WARNING: If new columns are added to the Customer Master Data structure, they must be added in the mapping with a default value “/” to avoid overwriting them during customer role replication.

Sales And Distribution Mapping

The message mapping contains template mapping with support for customer role dependent Sales and Distribution pricing conditions.

Value Key generation logic

For value key generation logic for customer role independent pricing conditions, refer to section [Configure Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports mapping flow](#).

For value key generation logic for customer role dependent pricing conditions, see the explanation below. The key is generated based on the order of the Organization and Master key fields of a pricing condition table. Example for SD table (sample table number: A801) - value key is concatenated value of the below fields in the following order:

- c. sales org (STBL)
- d. distribution channel (10)
- e. material (21)
- f. Condition Group 1 Code (2)

Example Value Key (VAKEY) value: STBL1000000000000000002106

IDOC Segment Structure	System Fields	IDoc Field	Sample Value
Control Record	Segment	<EDI_DC40 SEGMENT="1">	1
	Table Name	<TABNAM>EDI_DC40</TABNAM>	EDI_DC40
	Document Number	<DOCNUM></DOCNUM>	timestamp + counter
	EDI/ALC: Serialization field	<SERIAL></SERIAL>	timestamp + counter
	Direction	<DIRECT>2</DIRECT>	Constant value = 2
	Basic Type	<IDOCTYP>COND_A05</IDOCTYP>	COND_A05
	Message Type	<MESTYP>COND_A</MESTYP>	COND_A
	Sender Info > Port	<SNDPOR>ZRDP</SNDPOR>	Value shall be configured by Customer depending on Target System
	Sender Info > Partner Type	<SNDPRT>LS</SNDPRT>	Value shall be configured by Customer depending on Target System
	Sender Info > Partner number	<SNDPRT>SIDCLNTxxx</SNDPRT>	Value shall be configured by Customer depending on Target System
	Receiver Info > Port	<RCVPOR>ZRDP</RCVPOR>	Value shall be configured by Customer depending on Target System
	Receiver Info > Partner Type	<RCVPRT>ZR</RCVPRT>	Value shall be configured by Customer depending on Target System
	Receiver Info > Partner number	<RCVPRT>ZRDP</RCVPRT>	Value shall be configured by Customer depending on Target System
E1KOMG	Material	<MATNR>xxx</MATNR>	Value of filed Product from PackagingFee API, sample value:21
	Value Key	<VAKEY>xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx</VAKEY>	See value key generation logic Sample value for customer role independent pricing condition:STBL10000000000000000021 Sample value for customer role dependent pricing condition:STBL1000000000000000002106
	Report Category Country	<LAND1>xxx</LAND1>	Value of filed Report Category Country from PackagingFee API
	Report Category Region	<RAGIO>xxx</RAGIO>	Value of filed Report Category Region from PackagingFee API
	Company Code	<BUKRS>xxx</BUKRS>	Value of filed CompanyCode from PackagingFee API, sample value:IT99
	Sales Organization	<VKORG>xxx</VKORG>	Value of filed Sales Organization from PackagingFee API
	Distribution Channel	<VTWEG>xxx</VTWEG>	Value of filed Distribution Channel from PackagingFee API
	Division	<SPART>xxx</SPART>	Value of filed Division from PackagingFee API
	Condition Type	<KSCHL>Zxxx</KSCHL>	ZCRC
	Usage of Condition Type	<KVEWE>A</KVEWE>	A
Condition Table	<KOTABNR>xxx</KOTABNR>	This filed has two placeholders - a top and a bottom one. For customer role independent pricing conditions, configure the top placeholder with one table (for example: 004).For the customer role dependent pricing conditions, configure the lower placeholder with a different table (for example:801)	
Application	<KAPPL>V</KAPPL>	V	
E1KONH	Valid-From Date	<DATAB>xxx</DATAB>	Value of filed ValidForm Date from PackagingFee API
	Valid-To Date	<DATBI>xxx</DATBI>	Value of filed ValidTo Date from PackagingFee API
E1KONP	Condition Pricing Unit	<KPEIN>xxx</KPEIN>	Value of filed Reference Quantity from PackagingFee API
	Condition Unit	<KMEIN>xxx</KMEIN>	Value of filed Base unit of measure ISO Code from PackagingFee API
	Rate (condition amount or percentage)	<KBETR>xxx</KBETR>	Value of filed TotalFee from PackagingFee API
	Rate unit (currency or percentage)	<KONWA>xxx</KONWA>	Value of filed Currency from PackagingFee API

Send IDocs to SAP ERP Systems

This integration flow supports sending and filtering of IDocs to one or multiple ERP systems.

Procedure:

11. Go to SAP Responsible Design and Production Integration with SAP ERP package
12. Open the Send IDocs to SAP ERP Systems integration flow
13. Click on “Configure” button (right-upper corner)
14. Open “Sender” tab and configure the address
15. Open “More” tab

Configure the integration flow properties with a comma separated list of values for each ERP system to which the IDocs should be sent. The following properties are mandatory: *clients*, *credential names* and *hosts* for each ERP system. For each mandatory property, a non-empty value must be provided. If for any optional property a value for a given system is not needed, it should be kept blank but still separated by commas.

Example: *filter1,,filter2* would mean no filter for the second system.

Property	Description	Requirement	Sample value
Hosts	ERP system hosts in format <i>host:port/path</i>	Mandatory	Host1
Clients	ERP clients	Mandatory	Client1
Credential Names	ERP system credentials name as configured in CPI Security Materials	Mandatory	CredentialName1
IDoc Filters	XPath expressions to filter the IDocs	Optional	<code>/ROOT/IDOC[E1KOMG/EDI_DC40/SNDPRN = 'ERPclient1']</code>
Location IDs	The Location ID can be specified to identify the correct connector in case multiple Cloud Connectors are used in the CPI instance	Optional	Location1, Location2

Note: In the example cases listed above, the integration flow will be configured with Host1 and CredentialName1, and will apply the filter /ROOT/IDOC[EDI_DC40/SNDPRN = 'ERPclient1'] with Location1.

16. Press “Save”

Logs

[Open Text View](#)

Log Level: Info
Instance ID: 0

Attachments

Entries (1)

Name	Type	Modified At	Size
Warning - Sending skipped to some ERP systems	text/plain	Sep 11, 2024, 14:25:25	1 KB ↓

Log [Warning - Sending skipped to some ERP systems](#)

Sending to some ERP systems was skipped due to missing configurations.
Please make sure all required properties are properly configured.
For each required property [hosts, clients, credentialNames] a non-empty value must be provided.
For sending to multiple systems, separate each value with commas and make sure the count of values for each required property matches.

Example Configurations:

Single ERP System:
hosts: host1
clients: 001
credentialNames: name1

Multiple ERP Systems:
hosts: host1,host2,host3
clients: 001,002,003
credentialNames: name1,name2,name3

Configure "Send IDocs to SAP ERP Systems"

Sender [More](#)

Type:

Clients:

Credential Names:

Hosts:

IDoc Filters:

Location IDs:

[Save](#) [Deploy](#) [Close](#)

Maintain Customer Roles in SAP ERP

This integration flow supports scheduled replication of customer roles in SAP ERP.

Procedure:

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the Maintain Customer Roles in SAP ERP integration flow
3. Click on "Configure" button (right-upper corner)
4. Open "Receiver" tab and configure the following CPI receivers:
 - SAP_Responsible_Design_and_Production - connectivity to SAP Responsible Design and Production Customer Roles API
 - Send_IDocs_to_SAP_ERP - the ERP flow address to use for sending IDocs to SAP ERP**Note:** This receiver name corresponds to the "Send Records to SAP ERP" integration flow.
5. Open "More" tab and configure the following properties according to the table below:

Property	Default Value	Description
Customer Roles Filter		List of separated by comma roles for which information from the SAP Responsible Design and Production Customer Roles API is taken. For more information about the customer role values, see Customer Role SAP Help Portal .

		If this filter is not maintained, all customer roles will be taken in account.
Customers Roles Mapping	Customer_Roles_Mapping	Used for mapping of Customer Roles to SAP ERP Customer Master Data
Max Message Batch Size	250	Maximum number of records to be inserted in each SAP ERP or SAP S/4 HANA system in a single batch.
Value Mapping Prefix		Used to dynamically retrieve the correct set of placeholder values from the Value Mapping at runtime.

6. Press “Save”

Note: The integration flow Maintain Customer Roles in SAP ERP also contains NextLink and DeltaLink datastore handling process. For more information, see section Full and Delta replication.

Configure "Maintain Customer Roles in SAP ERP"

Timer Receiver **More**

Type:	All Parameters	
Customer Roles Filter:		i
Customer Roles Mapping:	Customer_Roles_Mapping	i
Max Message Batch Size:	250	i
S/4HANA Public Cloud Integration Enabled:	false	i
Value Mapping Prefix:		i

Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports

See section “Configure Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Report mapping flow”. Configure the artifact Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility with Sales and Distribution Mapping.

Create Pricing Conditions and Material Classifications to SAP ERP

See section Configure Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Report mapping flow. Configure the main integration flow Create Pricing Conditions and Material

Classifications to SAP ERP with the filter “Include Customer Role Dependent Fees” set to “true” to enable inclusion of customer role dependent fees from SAP Responsible Design and Production Packaging Fee API.

Configure "Create Pricing Conditions and Material Classifications to SAP ERP"

Timer Receiver **More**

Type:	All Parameters
CONAI Packaging Fee Extension...:	false
Context:	
Context Prefix Enabled:	false
Include Customer Role Depend... :	true
Multiple Systems Extension:	false
Packaging Fee Extension Enabled:	true
Page Size:	500
Report Category:	
Report Configuration:	**anonymized**
Report Country:	
Splitter Batch Size:	250
Suppliers Enabled:	false

Save Deploy Close

Support for SAP S/4HANA Public Cloud

This scenario supports the creation of customer role dependent pricing conditions in SAP S/4HANA Public Cloud.

Configurations in SAP S/4HANA Cloud

The following steps need to be fulfilled:

1. Maintain the access sequence to the condition tables relevant for SAP Responsible Design and Production.
2. Maintain Pricing Condition Type ZRDP in Sales.

Configurations in SAP Cloud Integration

SAP Responsible Design and Production Value Mapping

The artifact provides mapping between SAP Responsible Design and Production customer roles and double-digit Customer Condition Group codes that will be populated in SAP ERP Customer Master Data and in the respective pricing conditions records.

Bi-Directional Mapping:

- Source Agency: SAP Responsible Design and Production
- Source Identifier: Customer Role
- Target Agency: SAP ERP
- Target Identifier: Customer Condition Group

Default Mapping:

END_CONSUM=Z1, HORECA=Z2, HOSPITAL=Z3, PROF_CUSTM=Z4, RETAILER=Z5

For more information see [Customer Role | SAP Help Portal](#).

Procedure:

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the SAP Responsible Design and Production Value Mapping
3. Click on "Configure" button (right-upper corner)
4. Add roles if applicable
5. Deploy the artifact

Configuring placeholder values in the Value Mapping:

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the SAP Responsible Design and Production Value Mapping
3. Click on "Edit"
4. Locate the relevant bi-directional mapping group for your scenario (e.g., "[Public Cloud] Extended Producer Responsibility")
5. Update the placeholder values with your specific system values (e.g., Condition Table number, Condition Type, Sender Partner number, etc.)
6. Save and Deploy the artifact



SAP Responsible Design and Production Value Mapping

Bi-Directional Mapping Search

Agency	Identifier	↔	Agency	Identifier	State
SAP Responsible Design and Production	Customer Role	↔	SAP ERP	Customer Condition Group	

Value Mappings: **Default Values:**

Value Mappings for Search

SAP Responsible Des... , Customer Role	↔	SAP ERP, Customer Condition Group
END_CONSUM	↔	Z1
HORECA	↔	Z2
HOSPITAL	↔	Z3
PROF_CUSTM	↔	Z4
RETAILER	↔	Z5

Usage:
 ValueMap (Source agency, Source Identifier, Source value, Target agency, Target Identifier) = Target value;
 Example:
 ValueMap (SAP Responsible Design and Production, Customer Role, END_CONSUM, SAP ERP, Customer Condition Group) = Z1;
 ValueMap (SAP ERP, Customer Condition Group, Z1, SAP Responsible Design and Production, Customer Role) = END_CONSUM;

Important note: If a role mapping cannot be found for any given customer role record, it will be skipped and not sent to SAP ERP. Additionally, a warning message will be attached to the Message Processing Log, see a sample message below:

No role mappings were found for the following customer roles: <unknownCustomerRoles>.

Please make sure all the replicated roles are mapped. Open SAP Responsible Design and Production Value Mapping, choose Configure, add the desired roles, and deploy the artifact.

Logs [Open Text View](#)

Log Level: Info
Instance ID: 0

Attachments

Entries (1)

Name	Type	Modified At	Size
Warning - Unknown Customer Roles found during mapping	text/plain	Sep 11, 2024, 16:17:47	1 KB ↓

Sales and Distribution Mapping for S/4HANA Public Cloud

See section “Modify Sales and Distribution and Material Management Mapping for S/4HANA Public Cloud” in [Configure Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Report mapping flow](#). Configure the integration flow only with [Sales and Distribution Mapping for S/4HANA Public Cloud](#).

Customer Roles Mapping for S/4HANA Public Cloud

The message mapping contains template mapping for customer roles replicated from SAP Responsible Design and Production Customer Roles API to Customer Master Data in S/4HANA Public Cloud.

The screenshot displays the SAP Message Mapping interface. On the left, a 'References' table lists local and global references. The main area shows two message structures: 'root' and 'BusinessPartnerSUITEBulkReplicateRequest'. The 'root' structure has elements 'value', 'customer', and 'role'. The 'BusinessPartnerSUITEBulkReplicateRequest' structure has elements 'BusinessPartner', 'ReceiverInternalID', 'Customer', 'PriceSpecifications', and 'CustomerConditionGroupCode'. The 'CustomerConditionGroupCode' element is expanded to show attributes: '@listID', '@listVersionID', '@listAgencyID', '@listAgencySchemeID', and '@listAgencySchemeAgencyID'. Lines with 'fx' labels indicate the mapping from 'customer' and 'role' in the source to the corresponding elements in the target.

SOAP Segment Structure	System Fields	SOAP Field	Sample Value
BusinessPartnerSUITEReplicateRequestMessage	Business Partner SUITE Replicate Request Message	<BusinessPartnerSUITEReplicateRequestMessage> </BusinessPartnerSUITEReplicateRequestMessage>	A BusinessPartner structure is generated if the mapped customer role from Customer Roles API is valid.
BusinessPartner	Receiver Internal ID	<ReceiverInternalID></ReceiverInternalID>	Value of filed customer from Customer Roles API
Customer	Customer	<Customer></Customer>	Value of filed customer from Customer Roles API
PriceSpecifications	Price Specifications	<PriceSpecifications></PriceSpecifications>	Value of filed customer from Customer Roles API
CustomerConditionGroupCode		<CustomerConditionGroupCode> </CustomerConditionGroupCode>	Value from filed role from Customer Roles API is mapped with the respective value from SAP Responsible Design and Production Value Mapping
	listID		
	listVersionID		
	listAgencyID		
	listAgencySchemeID		
	listAgencySchemeAgencyID		

Send Pricing Condition Records to S/4HANA Public Cloud

See section “Configure Send Pricing Condition Records to S/4HANA Public Cloud” in [Configure Mapping Packaging Fees to Pricing Conditions for Extended Producer Responsibility Report mapping flow](#).

Maintain Customer Roles in SAP ERP

This integration flow supports scheduled replication of customer roles in SAP ERP.

Procedure:

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the Maintain Customer Roles in SAP ERP integration flow
3. Click on “Configure” button (right-upper corner)
4. Open “Receiver” tab and configure the following CPI receivers:
 - SAP_Responsible_Design_and_Production - connectivity to SAP Responsible Design and Production Customer Roles API
 - S4HANA_PUBLIC_CLOUD. You have the following options:
 - Basic authentication: configure the credential name and host.
 - Authentication with Client Certificate: configure the host and the Private Key Alias. You can also import your own certificate.

For more information, see Setup and **Configuration for SAP S/4HANA Public Cloud**.

5. Open “More” tab and configure the following properties according to the table below:

Property	Default Value	Description
Customer Roles Filter		List of separated by comma roles for which information from the SAP Responsible Design and Production Customer Roles API is taken. For more information about the customer role values, see Customer Role SAP Help Portal . If this filter is not maintained, all customer roles will be taken into account.
Customers Roles Mapping	Customer Roles Mapping for S/4HANA Public Cloud	Used for mapping of Customer Roles to Customer Master Data for S/4HANA Public Cloud
Max Message Batch Size	1	Maximum number of records to be inserted in each SAP S/4HANA system in a single batch.
S/4HANA Public Cloud Integration Enabled	false	Set the value to ‘true’ to enable the S/4HANA Public Cloud Integration

Value Mapping Prefix		Used to dynamically retrieve the correct set of placeholder values from the Value Mapping at runtime.
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6. Press “Save”

Note: The integration flow Maintain Customer Roles in SAP ERP also contains NextLink and DeltaLink datastore handling process. For more information, see section Full and Delta replication.

Configure "Maintain Customer Roles in SAP ERP"

Timer Receiver **More**

Type: All Parameters

Customer Roles Filter:

Customer Roles Mapping: **anonymized**

Max Message Batch Size: 1

S/4HANA Public Cloud Integration Enabled: **anonymized**

Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports

Configure the integration flow Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports with Sales and Distribution Mapping for S/4HANA Public Cloud.

Create Pricing Conditions and Material Classifications to SAP ERP

See Important Note in section “Support for SAP S/4HANA Public Cloud” in Configure Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Report mapping flow.

Order of deploying the artifacts

1. Deploy the Value Mapping:
 - SAP Responsible Design and Production Value Mapping

To configure the Value Mapping, follow these steps:

1. Go to SAP Responsible Design and Production Integration with SAP ERP package
2. Open the SAP Responsible Design and Production Value Mapping
3. Click on "Edit"
4. Locate the relevant bi-directional mapping group for your scenario (e.g., "[Private Cloud/On-Premise] Extended Producer Responsibility")
5. Update the placeholder values with your specific system values (e.g., Condition Table number, Condition Type, Sender Partner number, etc.)
6. Save and Deploy the artifact

2. Deploy the Script Collection:
 - SAP Responsible Design and Production Script Collection
3. Modify and deploy the Message Mappings depending on your scenarios:
 - Sales And Distribution Mapping
 - Sales And Distribution ZESP Mapping
 - Sales And Distribution ZESP Mapping for S/4HANA Public Cloud
 - Sales And Distribution ZEST Mapping
 - Sales And Distribution ZEST Mapping for S/4HANA Public Cloud
 - Sales And Distribution ZCON Mapping
 - Sales And Distribution ZESE Mapping
 - Sales and Distribution Mapping for S/4HANA Public Cloud
 - Sales and Distribution ZCON Mapping for S/4HANA Public Cloud
 - Sales and Distribution ZESE Mapping for S/4HANA Public Cloud
 - Material Management Mapping
 - Material Management ZCON Mapping
 - Material Management ZESE Mapping
 - Material Management Mapping for S/4HANA Public Cloud
 - Material Management ZCON Mapping for S/4HANA Public Cloud
 - Material Management ZESE Mapping for S/4HANA Public Cloud
 - Material Classification Mapping
 - Customer Roles Mapping for SAP ERP
 - Customer Roles Mapping for S/4HANA Public Cloud
4. Configure and deploy the Mapping integration flows depending on your scenarios:

- Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports for SAP ERP and SAP S/4HANA (On Premise)
 - Map Packaging Fees to Pricing Conditions for Extended Producer Responsibility Reports to S/4HANA Public Cloud
 - Map Packaging Fees to Pricing Conditions and Material Classifications for Spain Plastic Tax
 - Map Packaging Fees to Pricing Conditions for CONAI Empty Packaging
5. Configure and deploy the SOAP Confirmation and Start Follow-Up Processing integration flow
 6. Configure and deploy the main flow Create Pricing Conditions and Material Classifications in SAP ERP

Full and Delta replication

Since the PackagingFees API support full (initial) and delta replication, the main integration flow Create Pricing Conditions and Material Classifications in SAP ERP contains API Integration Process which supports the delta and pagination handling when pulling data from the SAP Responsible Design and Product system.

To support delta loading the PackagingFees API utilize a delta token mechanism, allowing for clients to specify the location of the last read record and continue from there. Additionally, to support stable performance on both SAP RDP and client systems the amount of data is limited. To show that there are more pages to be read, a *nextLink* attribute is included at the end of each response if there is more data to be read. In case the client has read everything and there are no more records, a *deltaLink* is populated instead indicating the end of reading. The delta link is opaque and needs to be stored by the calling client to be used in the next reading iteration.

The main integration flow Create Pricing Conditions and Material Classifications in SAP ERP also contains NextLink and DeltaLink datastore handling process to store the correct next and delta links required for future calls to get only the modified records from SAP Responsible Design and Product system and in case the delta records are more than defined size, the mechanism follows the same paging logic (see API Integration process). In case of an error during the execution of the flow, the last persisted *nextLink* (if present, else *deltaLink* if present, else full load is started) or *deltaLink* is used to continue from the last successfully transmitted message on the next iflow scheduled start.

Trigger Full load.

In case you need to trigger full load after the replication process is started and the delta replication process is ongoing, follow these steps:

1. Open Monitor Artifacts > Integrations > Manage Stores.
2. Click on “Variables” tile – all stored variables are listed.
3. Filter the variables based on the integration flow for which you need to initiate full replication.
4. Delete the stored *deltaLink*. Full load would be initiated with the next schedule replication.

SAP Integration Suite

Overview

Manana Integration Content

- Monitor
- Integrations

All: 2

Started: 2

Error: 0

+

Manage Security

Security Material: 8 Artifacts

Keystore: 7 Entries

PGP Keys: 0 Entries

Access Policies: 1 Artifacts

JDBC Material

User Roles

Connectivity Tests

Manage Stores

Data Stores: 0 Stores

Variables: 2 Variables

Number Ranges: 0 Artifacts

SAP Integration Suite

Join Our User Survey

Overview / Manage Variables

Variables (2)

Filter by Variable Name or Integration Flow

Name	Visibility	Integration Flow	Updated At	Retain Until	Actions
deltaLink	Integration Flow	QA_External_...	Dec 22, 2022, 10:44:47	Jan 26, 2024, 10:44:47	Download, Delete
nextLink	Integration Flow	QA_External_...	Dec 22, 2022, 10:44:47	Jan 26, 2024, 10:44:47	Download, Delete