

Business Rule transport from test to production system

# **CSC-42902 CSC-42908**

Target GA: August, 2024



# **Feature Overview**

# Introducing: **Business Rule transport from test to production system**

## **CSC-42902 CSC-42908**

### **Feature Description**

Export of business rules (Default transaction rules and supplier group rules) from one Buyer account and import in another buyer account.

### **Key Benefits**

The customers need to test their business rule setup on a test system before applying it to the production system. They also need to try changes to some settings on the test system before applying the same changes to the production system.

Audience:

Buyer

Enablement Model:

Automatically On

Applicable Solutions:

SAP Business Network  
for Procurement

# Business Rule transport from test to production system

## CSC-42902 CSC-42908

### Description

The customers need to test their business rule setup on a test system before applying it to the production system. They also need to try changes to some settings on the test system before applying the same changes to the production system.

Business rules are generally interdependent. Copying rules one by one may result in inconsistencies, at least between the test and the production system. The whole set of business rules should be copied and applied.

Currently there are around 300+ rules which need to be configured manually which is also error prone.

- Export of business rules (Default transaction rules and supplier group rules) from one Buyer account and import in another buyer account.
- Export of business rules in human readable format (Excel).
- Multi-language support for business rules.
- Log file (in CSV format) with details of rules that failed to be uploaded to target buyer account.

# Business Rule transport from test to production system

## CSC-42902 CSC-42908

This feature covers following use cases:

### Test -> Prod

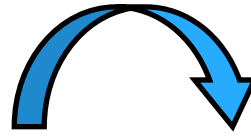
- The customer exports the business rule set from the test system as an Excel file and stores it.
- The customer may distribute the Excel file with the business rule set among the internal stakeholders for approval. After the stakeholders approve the business rule set, the customer imports the Excel file into the production system.

### Prod -> Test

- The customer exports the rule set from the production system as a Excel file.
- The customer imports the Excel file with the rule set into a test system. The test system becomes a clone of the production system from the settings point of view (but the data is different).

This way guarantees that the production system runs approved and tested set of business rules.

# Export default transaction rules



SAP Business Network

Default Transaction Rules

Transaction rules details

Payment Batch Transmission Rules

Hold payments until the daily cut-off time.

Purchase Order Rules

Override the following default purchase order rules.

Do not allow change orders for fully shipped orders.  
Do not allow change orders for partially shipped orders.

Save Close

Manage Transaction Rules

Manage Transaction Rules Details

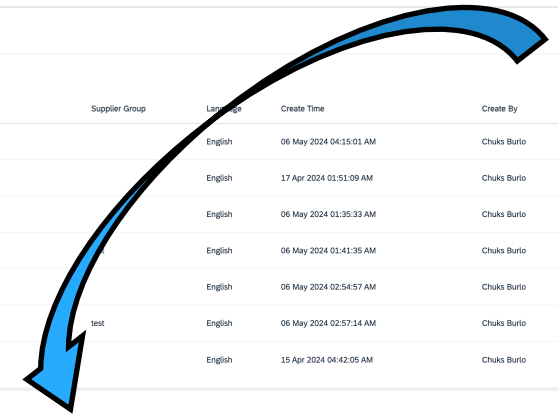
Downloads Uploads

Search Filter

Downloaded Transaction Rules

Name	Rule Type	Supplier Group	Language	Create Time	Create By	File Status	Action
test123	Default Transaction Rules		English	06 May 2024 04:15:01 AM	Chuks Burlo	Completed	...
test1704	Default Transaction Rules		English	17 Apr 2024 01:51:09 AM	Chuks Burlo	Completed	...
test0605	Default Transaction Rules		English	06 May 2024 01:35:33 AM	Chuks Burlo	Completed	...
SGDownload_0605	Supplier Group Transaction Rules		English	06 May 2024 01:41:35 AM	Chuks Burlo	Completed	...
Default_rules_download_0605	Default Transaction Rules		English	06 May 2024 02:54:57 AM	Chuks Burlo	Completed	...
SG_Download_0605	Supplier Group Transaction Rules	test	English	06 May 2024 02:57:14 AM	Chuks Burlo	Completed	Download Delete
test1	Default Transaction Rules		English	15 Apr 2024 04:42:05 AM	Chuks Burlo	Completed	...

New Download Refresh



Download Transaction Rules

Name \*

DemoDownload0805

Rule Type \*

Default Transaction Rules

Supplier Group

Select a supplier group

Language \*

English

Download Cancel



SAP Ariba

Default Transaction Rules

Rule Section	Business Rule	Subrule 1	Subrule 2	Value	Language
Payment Batch Transmission Rules	Hold payments until the daily cut-off time.			No	en
Purchase Order Rules	Override the following default purchase order rules.			Yes	
Purchase Order Rules	Allow change orders for fully shipped orders.			Yes	
Purchase Order Rules	Allow change orders for partially shipped orders.			Yes	
Purchase Order Rules	Retain confirmation status for unchanged line items on change orders.			Yes	
Purchase Order Rules	Enable ship notice tracking on change orders.			Yes	
Purchase Order Rules	Allow change orders in invoice aggregation.			Yes	
Purchase Order Rules	Allow cancel orders for fully shipped orders.			Yes	
Purchase Order Rules	Allow cancel orders for partially shipped orders.			Yes	

# Export supplier group rules

Supplier Group Transaction Rules Ok Cancel

Use default transaction rules.  
 Enter supplier group specific transaction rules.

Transaction rules details

Component Consumption Rules

Do not allow consumption to exceed balance quantity in component inventory.

Require all quantities of consumed components in a ship notice not to exceed the component quantities in the related purchase order, scheduling agreement, or scheduling agreement release.

Require buyer batch matching in component inventory.

View Invoice Rule Results

Manage Transaction Rules

Manage Transaction Rules Details Done

Downloads Uploads

> Search Filter

Downloaded Transaction Rules

New Download Refresh

Name	Rule Type	Supplier Group	Language	Create Time	Create By	File Status	Action
test123	Default Transaction Rules		English	06 May 2024 04:15:01 AM	Chuks Burto	Completed	...
test1704	Default Transaction Rules		English	17 Apr 2024 01:31:09 AM	Chuks Burto	Completed	...
test0605	Default Transaction Rules		English	06 May 2024 01:35:33 AM	Chuks Burto	Completed	...
SGDownload_0605	Supplier Group Transaction Rules	test	English	06 May 2024 01:41:35 AM	Chuks Burto	Completed	...
	Default Transaction Rules		English	06 May 2024 02:54:57 AM	Chuks Burto	Completed	...
	Supplier Group Transaction Rules	test	English	06 May 2024 02:57:14 AM	Chuks Burto	Completed	...
	Default Transaction Rules		English		Chuks Burto	Completed	...

Download Delete

1 **SAP Ariba**

2 **Supplier Group Transaction Rules - test**

3 Language en

Rule Section	Business Rule	Subrule 1	Subrule 2	Value
Order Change Request Rules	Allow suppliers to respond to a change request with a different quantity than the buyer proposed.			No
Order Change Request Rules	Allow suppliers to respond to a change request with a different delivery date than the buyer proposed.			No
Order Change Request Rules	Allow suppliers to request an additional cost when responding to a buyer request to change a schedule line.			No
Component Consumption Rules	Do not allow consumption to exceed balance quantity in component inventory.			No
Component Consumption Rules	Require all quantities of consumed components in a ship notice not to exceed the component quantities in the			No
Component Consumption Rules	Require buyer batch matching in component inventory.			No
Component Consumption Rules	Require suppliers to provide a unique asset serial number for each purchase order line item with consumed co			No
Component Consumption Rules	Require the total count of shipment serial numbers to not exceed the total quantity shipped for line items with			No
Component Consumption Rules	Require suppliers to provide asset serial numbers for the total shipped quantity of line items with consumed cc			No
Order Confirmation and Ship Notice Rules	Allow suppliers to send order confirmations for material orders.			Yes
Order Confirmation and Ship Notice Rules	Allow suppliers to confirm an order multiple times.			Yes
Order Confirmation and Ship Notice Rules	Allow suppliers to confirm an order multiple times.	Confirm only once at the line-item level.		No
Order Confirmation and Ship Notice Rules	Allow suppliers to send order confirmations for material orders at the line-item level.			Yes
Order Confirmation and Ship Notice Rules	Allow suppliers to reject quantities for material orders at the line-item level in order confirmations.	Partially		Yes
Order Confirmation and Ship Notice Rules	Allow suppliers to reject quantities for material orders at the line-item level in order confirmations.	Fully		No
Order Confirmation and Ship Notice Rules	Require suppliers to send order confirmations for material orders at the schedule line-item level			No

# Import default transaction rules

SAP Business Network

AW Options

← Back to classic view

Default Transaction Rules

Save Close

Transaction rules details

Payment Batch Transmission Rules

Hold payments until the daily cut-off time.

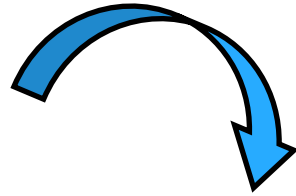
Purchase Order Rules

Override the following default purchase order rules.

Do not allow change orders for fully shipped orders.

Do not allow change orders for partially shipped orders.

Manage Transaction Rules



Manage Transaction Rules Details

Done

Downloads Uploads

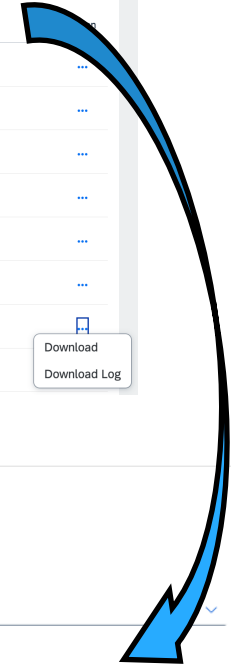
Search Filter

Uploaded Transaction Rules

New Upload Refresh

Name	Rule Type	Supplier Group	Language	Create Time	Create By	File Status
testupload123	Default Transaction Rules		English	06 May 2024 04:17:00 AM	Chuks Burlo	Completed
test1	Default Transaction Rules		English	15 Apr 2024 04:52:40 AM	Chuks Burlo	Failed
test2	Default Transaction Rules		English	15 Apr 2024 04:53:54 AM	Chuks Burlo	Failed
test1704	Default Transaction Rules		English	17 Apr 2024 01:54:27 AM	Chuks Burlo	Failed
upload0605	Default Transaction Rules		English	06 May 2024 01:36:09 AM	Chuks Burlo	Completed
SGUpload_0605	Supplier Group Transaction Rules	test	English	06 May 2024 01:53:01 AM	Chuks Burlo	Completed
Default_0605_completed_with_errors	Default Transaction Rules		English	06 May 2024 02:41:41 AM	Chuks Burlo	Completed with errors
SG_Upload_0605	Supplier Group Transaction Rules	test	English	06 May 2024 02:59:08 AM	Chuks Burlo	Completed

Download Download Log



SAP Ariba

Default Transaction Rules

Language en

Rule Section	Business Rule	Subrule 1	Subrule 2	Value
Payment Batch Transmission Rules	Hold payments until the daily cut-off time.			No
Purchase Order Rules	Override the following default purchase order rules.			Yes
Purchase Order Rules	Allow change orders for fully shipped orders.			Yes
Purchase Order Rules	Allow change orders for partially shipped orders.			Yes
Purchase Order Rules	Retain confirmation status for unchanged line items on change orders.			Yes
Purchase Order Rules	Enable ship notice tracking on change orders.			Yes
Purchase Order Rules	Allow change orders in invoice aggregation.			Yes
Purchase Order Rules	Allow cancel orders for fully shipped orders.			Yes
Purchase Order Rules	Allow cancel orders for partially shipped orders.			Yes



Upload Transaction Rules

Name \*

DemoUpload0805

Rule Type \*

Default Transaction Rules

Supplier Group

Select a supplier group

File \*

Default\_rules\_download\_0605.xlsx

Browse...

Upload Cancel

# Import supplier group rules

Supplier Group Transaction Rules

Use default transaction rules.  
 Enter supplier group specific transaction rules.

Transaction rules details

Component Consumption Rules

Do not allow consumption to exceed balance quantity in component inventory.

Require all quantities of consumed components in a ship notice not to exceed the component quantities in the related purchase order, scheduling agreement, or scheduling agreement release.

Require buyer batch matching in component inventory.

Require suppliers to provide a unique asset serial number for each purchase order line item with consumed components.

Require the total count of shipment serial numbers to not exceed the total quantity shipped for line items with consumed

Require suppliers to provide asset serial numbers for the total shipped quantity of line items with consumed components.

Order Change Request Rules

View Invoice Rule Results

Manage Transaction Rules

Upload Transaction Rules

Name\*  
DemoUploadSG0805

Rule Type\*  
Supplier Group Transaction Rules

Supplier Group\*  
Select a supplier group

File\*  
SG\_Download\_0605.xlsx

Manage Transaction Rules Details

Downloads

Uploaded Transaction Rules

Name	Rule Type	Supplier Group	Language	Create Time	Create By	File Status	Action
Default_0605_completed_with_errors	Default Transaction Rules		English	06 May 2024 02:41:41 AM	Chuks Burlo	Completed with errors	<input type="button" value="Download"/>
test1	Default Transaction Rules		English	15 Apr 2024 04:52:40 AM	Chuks Burlo	Failed	<input type="button" value="Download Log"/>
test2	Default Transaction Rules		English	15 Apr 2024 04:53:54 AM	Chuks Burlo	Failed	<input type="button" value="Download Log"/>

SAP Ariba

Supplier Group Transaction Rules - test

Rule Section	Business Rule	Subrule 1	Subrule 2	Value
Order Change Request Rules	Allow suppliers to respond to a change request with a different quantity than the buyer proposed.			No
Order Change Request Rules	Allow suppliers to respond to a change request with a different delivery date than the buyer proposed.			No
Order Change Request Rules	Allow suppliers to request an additional cost when responding to a buyer request to change a schedule line.			No
Component Consumption Rules	Do not allow consumption to exceed balance quantity in component inventory.			..
Component Consumption Rules	Require all quantities of consumed components in a ship notice not to exceed the component quantities in the			
Component Consumption Rules	Require buyer batch matching in component inventory.			
Component Consumption Rules	Require suppliers to provide a unique asset serial number for each purchase order line item with consumed co			
Component Consumption Rules	Require the total count of shipment serial numbers to not exceed the total quantity shipped for line items with c			
Component Consumption Rules	Require suppliers to provide asset serial numbers for the total shipped quantity of line items with consumed cc			
Order Confirmation and Ship Notice Rules	Allow suppliers to send order confirmations for material orders.			
Order Confirmation and Ship Notice Rules	Allow suppliers to confirm an order multiple times.	Confirm o		
Order Confirmation and Ship Notice Rules	Allow suppliers to confirm an order multiple times.			
Order Confirmation and Ship Notice Rules	Allow suppliers to send order confirmations for material orders at the line-item level.			
Order Confirmation and Ship Notice Rules	Allow suppliers to reject quantities for material orders at the line-item level in order confirmations.	Partially		
Order Confirmation and Ship Notice Rules	Allow suppliers to reject quantities for material orders at the line-item level in order confirmations.	Fully		
Order Confirmation and Ship Notice Rules	Require suppliers to send order confirmations for material orders at the schedule line-item level			

**Business Rules have been updated partially. The following rules could not be updated due to validation errors.**

Row 31: The specified value is not allowed for this Business Rule. Illegal file extensions found.

Row 186: Business Rule depends on another rule which is not activated. "General Invoice Rules Allow suppliers to send invoice attachments."

Row 227: Business Rule depends on another rule which is not activated. "General Invoice Rules Require suppliers to include only shipped quantities on invoices."

Row 228: Business Rule depends on another rule which is not activated. "General Invoice Rules Require suppliers to include only shipped quantities on invoices."

Row 262: Business Rule depends on another rule which is not activated. "PO Invoice Field Rules Allow suppliers to increase line item subtotals."



# Prerequisites, Restrictions, Cautions

## Prerequisites

- To upload business rules for supplier groups, supplier groups have to exist and configured to not use default transaction rules

## Restrictions

- Country Based Transaction Rules are not supported
- Relationship Level rules are not covered
- VAT address rule is not covered
- Before first usage, current rule settings should be saved one time

## Note

- Manual changes to rule in the UI are still possible all the time. So the last upload in the list might not reflect current settings of the system, if the user has done manual changes afterwards. To get latest system settings it is recommended to use the download capability

# Thank you.

Follow us



**[www.sap.com/contactsap](http://www.sap.com/contactsap)**

© 2024 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company. The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary. These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty. In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platforms, directions, and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, and they should not be relied upon in making purchasing decisions. SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies. See [www.sap.com/trademark](http://www.sap.com/trademark) for additional trademark information and notices.