

Salesforce Commerce Cloud

KOMOJU Payment Gateway Integration

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Overview

The following site architectures are supported on KOMOJU payment gateway cartridge:

SFRA

```
bm_komoju  
  
int_komoju_sfra  
  
int_komoju_common  
  
app_storefront_base
```

SiteGenesis

```
bm_komoju  
  
int_komoju_common  
  
app_komoju_controllers  
  
app_komoju_core  
  
app_storefront_controllers  
  
app_storefront_core
```

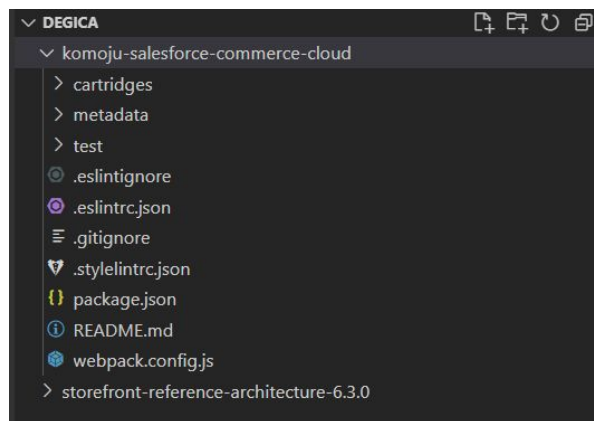
Compilation

For SFRA sites

- Get KOMOJU payment gateway cartridge's repository from [GitHub](#)
- Get the latest [SFRA](#) base repository onto the same directory as KOMOJU payment gateway cartridge repository

⚠ If it's your first time getting SFCC repositories, you might need to sign in first via <https://github.com/orgs/SalesforceCommerceCloud/sso> ([see more](#))

- The directory where KOMOJU payment gateway cartridge source code resides should look as below: (SFRA repository is named `storefront-reference-architecture-6.3.0` here)



- Make sure your NodeJS version is **14.16.0**
- Change directory to SFRA repository

```
cd storefront-reference-architecture
node -v
# => 14.16.0
# In storefront-reference-architecture directory
npm install
```

⚠ Make sure the base path in your `package.json` correctly reflects the path of your SFRA repository relative to KOMOJU cartridge repository

```
"paths": {
  "base": "./storefront-reference-architecture/cartridges/app_storefront_base/"
},
```

- Go back to the cartridge root directory and run the following commands

```
node -v
# => 14.16.0
npm install
npm run compile:js
npm run compile:scss
```

⚠ Salesforce's documentation for installing and configuring SFRA ([link](#)) for reference.

For SiteGenesis sites

- Get the [SiteGenesis](#) base repository onto the same directory as KOMOJU cartridge repository
- Copy the `app_komoju_controllers` and `app_komoju_core` modules from KOMOJU payment gateway cartridge [repository](#), over into the same directory as `app_storefront_core` module of SiteGenesis base repository

```
# In directory of komoju-salesforce-commerce-cloud
cp -r cartridges/app_komoju_controllers ../sitegenesis
cp -r cartridges/app_komoju_core ../sitegenesis
```

- Update `sitegenesis` repository's `package.json` as follows:

```
"devDependencies": {
  // other dependencies ...
  "ecstatic": "4.1.4",
  "grunt": "^1.4.1",
}
```

```
,
"devDependencies": {
  "@tridnguyen/config": "^2.3.1",
  "@tridnguyen/version": "^1.0.0",
  "ampersand-model": "^6.0.2",
  "ampersand-view": "^9.0.0",
  "async": "^2.0.1",
  "babel-core": "^6.1.2",
  "babel-preset-es2015": "^6.1.2",
  "chai": "^3.4.0",
  "chalk": "^1.1.3",
  "cldr-data": "^32.0.1",
  "dwupload": "^3.8.0",
  "ecstatic": "4.1.4",
  "eslint": "^1.10.3",
  "event-stream": "^3.3.4",
  "exorcist": "^0.4.0",
  "gaze": "^1.1.1",
  "glob": "^7.0.6",
  "globalize": "^1.1.1",
  "grunt": "^1.4.1",
  "handlebars": "^4.0.4",
  "hbsfy": "^2.4.1",
  "http-server": "^0.9.0",
}
```

```
"paths": {
  "css": [
    // other app_storefront_core packages ...
    {
      "src": "app_komoju_core/cartridge/scss/default/",
      "dest": "app_komoju_core/cartridge/static/default/css/"
    }
  ],
  // js paths
}
```

```
"css": [
  {
    "src": "app_storefront_core/cartridge/scss/default/",
    "dest": "app_storefront_core/cartridge/static/default/css/"
  },
  {
    "src": "app_storefront_core/cartridge/scss/fr_FR/",
    "dest": "app_storefront_core/cartridge/static/fr_FR/css/"
  },
  {
    "src": "app_storefront_core/cartridge/scss/it_IT/",
    "dest": "app_storefront_core/cartridge/static/it_IT/css/"
  },
  {
    "src": "app_storefront_core/cartridge/scss/ja_JP/",
    "dest": "app_storefront_core/cartridge/static/ja_JP/css/"
  },
  {
    "src": "app_storefront_core/cartridge/scss/zh_CN/",
    "dest": "app_storefront_core/cartridge/static/zh_CN/css/"
  },
  {
    "src": "app_komoju_core/cartridge/scss/default/",
    "dest": "app_komoju_core/cartridge/static/default/css/"
  }
],
```

⚠ For SiteGenesis, the `app_storefront_controllers` base cartridge also needs to be modified. For this, navigate to `app_storefront_controllers/cartridge/scripts/app.js` and replace the `~` symbol with `*` (asterisk) symbol

- Run the following commands with the recommended NodeJS version of **12.21.0**

```
node -v
# => 12.21.0
npm install
npm run build
```

⚠ If you are on Apple Silicon chip (M1), you will most likely run into a `zlib: incorrect data check` error due to incompatibility with ARM. Install NodeJS v12.21.0 on `arch -x86_64` using Rosetta2, clear cache (`rm -rf ./node_modules && npm cache clean --force`) before running `npm install` again should fix it.

⚠ Python v2.x may be required for compiling `node-sass` which relies on an older version of `node-gyp` that uses python2.

Installation

Add cartridge paths

Update the cartridge paths of your target site with KOMOJU payment gateway cartridge paths:

- In SFCC **Business Manager**, go to **Administration > Sites > Manage Sites > Your Site > Settings**
- Prepend the following cartridge path to your current paths:
 - For **SFRA** site:
`bm_komoju:int_komoju_sfra:int_komoju_common:app_storefront_base`
 - For **SiteGenesis** site:
`bm_komoju:int_komoju_common:app_komoju_controllers:app_komoju_core:app_storefront_controllers:app_storefront_core`

Import **metadata** archive

- In the `metadata/sites` folder of `komoju-salesforce-commerce-cloud`, change the folder name (`RefArch` by default) to be the name of your target site (`metadata/sites/RefArch` to `metadata/sites/<yoursite>`).
- Compress the folder to be a `metadata.zip`

⚠ In case you are installing the cartridge for more than 1 target site, duplicate the original folder of your site name (or `RefArch` by default) for each target site and rename to the name of each target site. Then compress the `metadata` folder now containing multiple site folders again.

- In **Business Manager**, go to **Administration > Site Development > Site Import & Export**
- Upload the `metadata.zip` file using the **Local** option in the **Upload Archive** section
- After uploading, choose `metadata.zip` in the list and click **Import**

Site Import & Export

This page allows you to export the current configuration of your organization including all of its sites. To download an archive, just click its file name.

Import

You can delete a file only if it's a local file or if you're logged into the instance where the file was created.

Upload Archive:
☒ Local ☐ Remote

Select	Name	Location	Delete Allowed?	File Size	Last Modified
☒	metadata.zip	local	Yes	255.58 KB	11/2/22 5:10:12 am
☐	instancekomoju11export.zip	local	Yes	1.04 MB	11/2/22 5:59:11 am
☐	instanceimetadata.zip	local	Yes	1.41 KB	10/19/22 2:28:23 am
☐	instanceimetadata.zip	local	Yes	50.92 KB	10/20/22 8:35:04 am
☐	instanceitrip_site_template.zip	local	Yes	7.37 KB	10/19/22 5:23:27 am
☐	SiteGenesis Demo Site				
☐	Storefront Reference Architecture Demo Sites				

Upload cartridges and deploy

- Upload KOMOJU payment gateway cartridge (`komoju-salesforce-commerce-cloud` and `sitegenesis` for **SiteGenesis**) via Prophet Debugger on VSCode

⚠ Don't forget to update your `dw.json` file with the correct values. Choose **Leave All Always** when prompted by Prophet Debugger for extra cartridges

```
// dw.json
{
  "hostname": "<sandbox_name>.dx.commercecloud.salesforce.com",
  "cartridge": ["int_komoju_sfra", "int_komoju_common", "bm_komoju"],
  // or ["app_komoju_controllers", "app_komoju_core", "app_storefront_controllers",
  // "app_storefront_core", "app_storefront_pipelines"], for SiteGenesis
  "username": "<your_username>",
  "version": "SFRA_AP_11_17_2022",
  "password": "<your_password>"
}
```

- After uploading is completed, in SFCC **Business Manager**, go to **Administration > Site Development > Code Deployment**
- Reinitialize the active code version in which the cartridge resides. To do so, activate any other code version and then reactivate your code version in which the KOMOJU cartridges reside (*SFRA_AP_11_17_2022* in our example).

⚠ You might need to invalidate cache for your site to have the latest changes reflected. To do so, go to **Administration > Sites > Manage Sites > <Your site> - Cache**.

BM Module Installation

- Make sure that the cartridge paths of the business manager **and** your sites contain *bm_komoju* as shown below:
 - **Administration > Sites > Manage Sites > Manage the Business Manager site > Settings**

Administration > Sites > Manage Sites > Business Manager - Settings

Settings Cache Hostnames

Business Manager - Settings

Click Apply to save the details. Click Reset to revert to the last saved state.

Instance Type: Sandbox/Development

Deprecated. Up to two instance specific hostname aliases for Business Manager can be configured here.

HTTP Hostname:

HTTPS Hostname:

Instance Type: All

Cartridges: **bm_komoju.bm_app_storefront_base**

- **Administration > Sites > Manage Sites > Your Site > Settings**

General Settings Cache Site Status Page Meta Tag Rules

RefArch - Settings

Click Apply to save the details. Click Reset to revert to the last saved state.

Instance Type: Sandbox/Development

Deprecated. The preferred way of configuring HTTP and HTTPS hostnames is by using new features of the site aliases configuration ("SEO > Aliases Configuration"). The HTTP/HTTPS hostname configuration style.

HTTP Hostname:

HTTPS Hostname:

Instance Type: All

Cartridges: **bm_komoju.int_komoju_sfra.int_komoju_common.app_storefront_base**

- Now if you visit **Administration > Organization > Roles & Permissions > Select Role > Business Manager Modules > (Select your site)**, you should be able to see the *KOMOJU Payment Settings* module. Check to enable the module, as shown below, scroll to the bottom and click **Update**

Ordering			
Orders	Manage the orders of this site. Please note that for read only access across the entire "Orders" module the functional permission "Delete_Order_Note" is required in the site context.		
KOMOJU Payment Settings	This extension allows a merchant to enable or disable komoju payment methods.	☒	
Taxation	Manage taxation settings of this site.		
Payment Processors	Manage the payment processors of this site.		
Payment Methods	Manage the payment methods of this site.		
Shipping Methods	Manage the shipping methods of this site.		
Import & Export	Import and export ordering data of this site.		
Customer Service Center	Capture orders on behalf of a customer.		

- **KOMOJU Payment Settings** should now be visible under **Merchant Tools > Ordering > KOMOJU Payment Settings**, where you can configure all settings for enabling KOMOJU payment gateway.

Connecting with your KOMOJU Account

Enable your supported Payment Methods

- Find your [secret key on KOMOJU](#) and in **KOMOJU Payment Settings**, update the **Secret Key** field with your secret key

KOMOJU Secret Key
*Find your secret key in KOMOJU admin page
Please notice the secret key under Live model and Test model will be different

Secret Key : Update

- Run `updatePaymentMethod` job to enable your supported payment methods on KOMOJU on your SFCC site(s). To do so, go to **Administration > Operations > Jobs**, choose **updatePaymentMethod**

Administration / Operations / **Jobs** New Job

Search by ID Find

Enable Disable Run Delete Refresh

Scheduling Of Custom Jobs Disabled
Automatic time-based execution (scheduling) of custom jobs is disabled.

☐	ID	Status	Last Run	Execution Scope	Resources	Priority	Enabled	Delete
☐	RebuildURLs	-		2	-		⊗	🗑
☐	Reindex	-		2	-		⊗	🗑
☐	komojuCancelProcess	-		RefArch	-		✓	🗑
☐	komojuRefundProcess	-		RefArch	-		✓	🗑
☒	updatePaymentMethod	OK	2/27/2023 3:50:10 am	RefArch	-		✓	🗑

- The scope where you would like to run the job can also be changed to one or more target sites. To do so, navigate to the **Job Steps** section and click on the scope field:

⚠ *Whatever the site selected in the scope should also:*

- Has a equivalent site folder in the `metadata` archive
- Has the KOMOJU secret key set up in **KOMOJU Payment Settings** module of the target site

Administrative / updateP

Select Scope

Scope

☐	ID	Name	Status
☒	RefArch	RefArch	online
☒	SiteGenesis	SiteGenesis	online
☐	Davidstore	Davidstore	online
☐	RefArchGlobal	RefArchGlobal	online
☐	SiteGenesisGlobal	SiteGenesisGlobal	online

Cancel Assign

- Click **Run Now** to run the job

Test Merchant Tools Administration Storefront Toolkit

Cache Search Indexes Code Versions Cartridge Path Search with ease...

Administration / Operations / Jobs / **updatePaymentMethod** Run Now

General Schedule and History Resources Job Steps Failure Handling Notification

☐ Enabled

Active

Trigger: Once

Date: 11/29/2022 12:49:36 am

Job History

ID	Execution Scope	Status	Start Time	End Time	Duration	Executing Server	Log File
updatePaymentMethod 20230227	TestSite	OK	1/2/2023 1:38:27 am by sfccadmin211@sfcc.com	1/2/2023 1:38:27 am	0:00:00	ecom-sandbox-001-app-56957b5747-2019x8-0	🗑

- Now all your supported payment methods should be visible to you in **KOMOJU Payment Settings**. You can enable and disable each payment method using the toggle button.



⚠ Please note that only payment methods that support *the same currency as your store's processing currency* will be available on the checkout page when enabled.

For example, enabled Konbini payment method that supports only **JPY** will not be displayed on the checkout page if your store's products are offered in **USD**.

Email notifications

- You can also set up notification emails for alerts of job run failures (e.g payment refund and cancellation failures) to be sent to your chosen email address. You can enable/disable this functionality with a toggle button.

Secret Key : [Update](#)

Job failure alert

*This email address is used to send alert for the failure of the job to synchronize cancel order to KOMOJU for payment cancel or refund was failed.

Email : [Update](#)

Enable/Disable job failure alert

☒ ON

Webhooks Configuration

KOMOJU webhook authentication

*Setup the same secret code on KOMOJU webhook setting page

Secret Token :

Update

KOMOJU webhook setting

*Setup following webhooks on [KOMOJU admin page](#)

payment.refunded	https://zyhe-001.dx.commercecloud.salesforce.com/on/demandware.store/Sites-RefArch-Site/default/KomojuController-HandleWebHooksRefund	Copy
payment.captured	https://zyhe-001.dx.commercecloud.salesforce.com/on/demandware.store/Sites-RefArch-Site/default/KomojuController-HandleWebHooksCaptureComplete	Copy
payment.cancelled	https://zyhe-001.dx.commercecloud.salesforce.com/on/demandware.store/Sites-RefArch-Site/default/KomojuController-HandleWebHooksCancelled	Copy
payment.expired	https://zyhe-001.dx.commercecloud.salesforce.com/on/demandware.store/Sites-RefArch-Site/default/KomojuController-HandleWebHooksExpired	Copy
payment.authorized	https://zyhe-001.dx.commercecloud.salesforce.com/on/demandware.store/Sites-RefArch-Site/default/KomojuController-HandleWebHooksPaymentAuthorized	Copy

- To ensure that KOMOJU payment gateway cartridge works correctly you will need to set up the necessary webhooks from KOMOJU to your SFCC site(s). To do this you will need to go to your [Webhooks page on the KOMOJU dashboard](#) and click **New Webhook**.
- The secret will be the **Secret Token** of **KOMOJU webhook authentication** in **KOMOJU Payment Settings** page. Make sure you create one webhook for each of the following events (make sure the event is ticked):

payment.refunded

payment.captured

payment.cancelled

payment.expired

payment.authorized

- Ensure that the **Active** checkbox is also ticked and then click **Create Webhook**.

KOMOJU

Salesforce Demo

Test ☐ Live ☒

Dashboard

Payments

Products

Events

Customers

Subscriptions

Webhooks

Merchant Settings

Payment Methods

Payout Balance

Settlements

Reporting

Webhooks

New Webhook

* Webhook URL

cloud.salesforce.com/on/demandware.store/Sites-RefArch-Site/default/KomojuController-HandleWebHooksRefund

* Secret

Please only use letters, numbers and any of !@#\$%^&*.

☐ ping

☐ customer.created

☐ customer.updated

☐ customer.deleted

☐ payment.authorized

☐ payment.captured

☐ payment.updated

☐ payment.authorized

☐ payment.cancelled

☐ payment.refund.created

☒ payment.refunded

☐ payment.failed

☐ payout.created

☐ subscription.created

☐ subscription.captured

☐ subscription.failed

☐ subscription.suspended

☐ subscription.deleted

☐ settlement.created

☐ disbursement.created

☐ disbursement.cancelled

☐ disbursement.failed

☐ disbursement.paid

Event list

☒ Active

Deliver event when the selected events are triggered.

Create Webhook

Storefront Functionality (SFRA sites)

Checkout Flow

- Create an order and proceed to checkout page (customer can continue as guest or create an account for future sign-in). Fill in shipping details to proceed to payment options.

FREE 2-Day SHIPPING FOR ORDERS OVER \$300

Checkout

Customer

Customer Information:
test@example.com

Shipping

Shipping Address:
Test Tester
Some Street
Some City, IN 12345
9234567890

Shipping Method:
Ground (7-10 Business Days) \$5.99

Payment

Billing Address
Test Tester Some Street Some City, IN 12345

*Phone Number
9234567890

Payment Methods

Next: Place Order

Need Help? Call 1-800-555-0199

Order Summary

Subtotal \$20.00
Shipping \$15.99
Sales Tax \$1.80
Total \$37.79

1 Items \$20.00

Worn Gold Dangle Earring
Color: Gold
In Stock

Each \$20.00 Quantity 1 Total \$20.00

FREE 2-Day SHIPPING FOR ORDERS OVER \$300

Checkout

Customer

Customer Information:
test@example.com

Shipping

Shipping Address:
Test Tester
Some Street
Some City, IN 12345
9234567890

Shipping Method:
Ground (7-10 Business Days) \$5.99

Payment

Billing Address
Test Tester Some Street Some City, IN 12345

*Phone Number
9234567890

Payment Methods

☒ Credit Card
☐ Alipay
☐ WeChat Pay
☐ UnionPay

Next: Place Order

Need Help? Call 1-800-555-0199

Order Summary

Subtotal \$20.00
Shipping \$15.99
Sales Tax \$1.80
Total \$37.79

1 Items \$20.00

Worn Gold Dangle Earring
Color: Gold
In Stock

Each \$20.00 Quantity 1 Total \$20.00

! You can change KOMOJU payment methods section title is **Merchant Tools > Ordering > Payment Methods**. Select the language of your site in the top right dropdown. Find and edit the **Name** for **KOMOJU_HOSTED_PAGE** to your desired title. (The default is 'KOMOJU')

RefArch Merchant Tools Administration Storefront Toolkit

Merchant Tools > Ordering > Payment Methods

Payment Methods

To learn about Salesforce Payments, see here.

Payment Methods

Payment methods are managed here. To create a new payment method, click the New button. To remove a payment method click the remove icon in the payment method row. The default payment methods can't be removed, and their IDs can't be changed. When you select the CREDIT_CARD payment method, credit/debit cards can be processed through drop-in drop.

New Add Edit Order Credit/Debit Cards Import/Export

ID	Name	Language
BANK_TRANSFER		English
BANK_TRANSFER		Default
BANK_TRANSFER		Chinese
BANK_TRANSFER		Chinese (China)
BANK_TRANSFER		Dutch
BANK_TRANSFER		English
BANK_TRANSFER		English (Canada)
BANK_TRANSFER		English (United Kingdom)
BANK_TRANSFER		English (United States)
BANK_TRANSFER		French
BANK_TRANSFER		French (Canada)
BANK_TRANSFER		French (France)
BANK_TRANSFER		German
BANK_TRANSFER		German (Germany)
BANK_TRANSFER		Italian
BANK_TRANSFER		Italian (Italy)

BANK_TRANSFER Details

Description

- Proceed to **Next: Place Order** to confirm the order before payment.

Some Street
Some City IN 12345
9234567890

Shipping Method:
Ground (7-10 Business Days) \$5.99

Payment

Billing Address:
Test Tester
Some Street
Some City IN 12345
test@example.com
9234567890

Payment:
Credit Card

Place Order

1 Items \$20.00

Worn Gold Dangle Earring
Color: Gold
In Stock

Each \$20.00 Quantity 1 Total \$20.00

Checkout Flow

- After confirming the order, the customer will then be redirected to KOMOJU hosted page

← BACK TO MERCHANT

Live Test Merchant

PAYMENT DUE

\$38.84



Complete the purchase using your smartphone camera or payment app

ENTER CARD DETAILS

EMAIL
test@example.com

NAME ON CARD
Testing Tester

CREDIT CARD NUMBER
4111 1111 1111 1111 

EXPIRATION DATE
01/26

CVC
123

Pay \$38.84

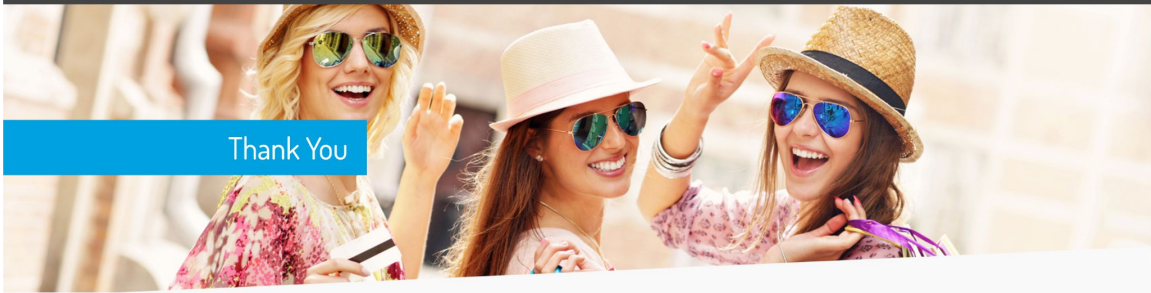
POWERED BY KOMOJU

- After completing the payment, customer will be redirected back to the store's Thank You page.

FREE 2-Day SHIPPING FOR ORDERS OVER \$300

Login English (United States)  commerce cloud Search (keywords, etc)

New Arrivals Womens Mens Electronics Top Sellers



Thank You

Thank you for your order.
You will receive an email confirmation shortly at test@example.com

Save My Information

* Password

Thanks, Your Order is placed and payment captured successfully

Receipt

Order Number: 00004779

⚠ The green success message, as well as other event messages, are editable through the `komojuPayment.properties` file (in `int_komoju_sfra` for SFRA sites and `app_komoju_core` for SiteGenesis sites)

Checkout Flow

- In case the customer returns back to the store without completing the payment (abandoning the payment), an alert will be shown on the checkout page.

FREE 2-Day SHIPPING FOR ORDERS OVER \$500

salesforce

commerce cloud

Checkout

You returned back from KOMOJU servers, please go again to complete the payment

Customer

Customer Information:
test@example.com

Shipping

Shipping Address:

Edit

Edit

Need Help? Call 1-800-555-0199

Order Summary

Subtotal

Shipping

Sales Tax

Total

\$30.00

\$15.99

\$2.30

\$48.29

1 Items

Silver Chandler Earring

Viewing Payment Details

- You can view all payment-related data (status, payment ID (Order ID on KOMOJU), amount, payment method used) in the payment section of order details (**Merchant Tools > Ordering > Orders**) as shown below.

RefArch

Merchant Tools

Administration

Storefront

Toolkit

Merchant Tools > Ordering > Orders

Orders

You're using the new Search service.

This page allows you to search for orders by order number. Select **Advanced** to use more search options. Select **By Number** to search by providing a list of order numbers. Order numbers can be separated by either ',' or ';' or ' ' or space or newline. Entered text is treated as case-sensitive; substring matching isn't supported.

Order Search

Order Number: 00004779

Find

Simple

Advanced

By Number

Number	Order Date	Site	Created By	Registration Status	Customer	Email	Total	Status
☐ 00004779	4/24/23 2:58:20 am Etc/UTC	RefArch	Customer	Unregistered	Test Tester	test@example.com	\$38.84	New

Showing 1 - 1 of 1 items

Cancel Orders

RefArch

Merchant Tools

Administration

Storefront

Toolkit

Merchant Tools > Ordering > Orders > Order: 00004779(RefArch)

General

Attributes

Payment

Notes

History

Payment Information for Order '00004779'

Order Total:

Amount Paid:

Balance Due:

Invoice Number:

Payment Status:

\$38.84

\$0.00

\$38.84

00015552

Paid

Payment Method:

Billing Address:

KOMOJU_HOSTED_PAGE
Processor: KOMOJU
Transaction: 00004779
Amount: \$38.84

Transaction Status: captured
KOMOJU Payment ID: 3cbzbd27qngvpqjdhy9y8jeq
KOMOJU Payment Method Type: credit_card
Brand: visa
KOMOJU Processing Currency: USD
KOMOJU Processing Fee: \$ 0
KOMOJU Exchange Rate: 1.0
KOMOJU Exchange Amount: \$ 38.84

Test Tester
Some Street
Some City HI 12345
US

Print Invoice

Viewing Payment Details

- The payment details will also be included in the invoice

KOMOJU_HOSTED_PAGE
Processor: KOMOJU
Transaction: 00004779
Amount: \$38.84

Transaction Status: captured
KOMOJU Payment ID: 3obzbd27qngvpq0jdhy9y8jeq
KOMOJU Payment Method Type: credit_card
Brand: visa
KOMOJU Processing Currency: USD
KOMOJU Processing Fee: \$ 0
KOMOJU Exchange Rate: 1.0
KOMOJU Exchange Amount: \$ 38.84

Billing Address:

Test Tester
Some Street
Some City HI 12345
US

[Print Invoice](#)

Invoice:00015552

	SFRA 5 Wall Street Burlington, MA 01803 USA	Order: 00004779 Date: 4/24/23 Total: \$38.84
Bill To:	Test Tester Some Street Some City HI 12345 United States	Phone: 9234567890 Email: test@example.com
Payment Method:	KOMOJU_HOSTED_PAGE Transaction Status: captured KOMOJU Payment ID: 3obzbd27qngvpq0jdhy9y8jeq KOMOJU Payment Method Type: credit_card Brand: visa KOMOJU Processing Currency: USD KOMOJU Exchange Rate: 1.0 KOMOJU Exchange Amount: \$ 38.84	
Shipment 1		
	Product Details	Qty. Total Shipping Details
	Worn Gold Dangle Earring Item Number:013742335262M : Gold	1 \$20.00 Test Tester Some Street Some City, HI 12345 Express - \$16.99

Locale and Currency Support

The language of the checkout page follows the site locale configuration. Currency follows the configured locale and will also apply to Revenue and Insights.

KOMOJU payment gateway cartridge currently supports 3 languages: English, Japanese, and Korean. The payment method names follow the configured site locale in either **en**, **ja** or **ko**.

Merchant Tools feature lookup...

Content

Products and Catalogs

Search

Online Marketing

Site Preferences

Libraries

Library Folders

Content Assets

Import & Export

Page Designer

Customers

Customers

Customer Groups

Snapshots

Batch Processes

Import & Export

Custom Objects

Custom Object Editor

Products

Product Sets

Catalogs

Product Options

Variation Attributes

Recommendations

Price Books

Inventory

Catalog Feeds

Batch Processes

Import & Export

Ordering

Orders

KOMOJU Payment Settings

Taxation

Search Indexes

Search Index Rebuild Schedule

Search Index Query Testing

Search Dictionaries

Searchable Attributes

Search Driven Redirects

Stop Word Dictionary

Category Name Exclusions

Synonym Dictionary

Hypernym Dictionary

Compound Word Dictionary

Common Phrase Dictionary

Search Suggestions

Stemming Exceptions

Keyword Groups

Sorting Rules

Storefront Sorting Options

Campaigns

A/B Tests

Promotions

Content Slots

Coupons

Source Code Groups

Active Data

Stores

Gift Certificates

Import & Export

Analytics

Reports and Dashboards

Historical Business Manager Rep...

Locking

Baskets

A/B Tests

Salesforce CDP Data

Localizations

Source Codes

Gift Certificates

Search Preferences

Sequence Numbers

Order

Coupons

Pricing and Promotions

Deprecated Storefront Toolkit

Storefront URLs

Custom Preferences

Pinterest Commerce

Merchant Tools > Site Preferences > Locales

Locales

In the list below you can see all active system locales. Use the checkboxes to define which of those active locales are allowed in Storefront requests of this particular site. One of the allowed locales must be marked as the default site locale, and it'll be used if no locale is passed with a Storefront request.

Select All	Locale ID	Name	Default
☒	default	Default	☐
☐	zh	Chinese	☐
☒	zh_CN	Chinese (China)	☐
☐	nl	Dutch	☐
☐	en	English	☐
☐	en_CA	English (Canada)	☐
☒	en_GB	English (United Kingdom)	☒
☐	en_US	English (United States)	☐

Changing the Locale of BM

- To change the display language for the current user to Japanese, click the profile icon on top bar to go to **My Profile**. For **Preferred UI Locale**, choose **Japanese**. For **Preferred Data Locale**, choose **Japanese (Japan)** and click **Apply**

My Profile

Edit the personal information of the user.

Credentials

Login: [redacted]

To manage your account information, visit [Account Manager](#).

Access Keys: [Manage Access Keys](#)

Profile Attributes

First Name: [redacted]

Last Name: [redacted]

Email: [redacted]

Phone Numbers

Business Phone: [input]

Mobile Phone: [input]

Home Phone: [input]

Preferences

Preferred Site After Login: [None]

Preferred UI Locale: [Japanese]

Preferred Data Locale: [Japanese (Japan)]

[Apply](#) [Reset](#)

- To change locale of the organization into Japanese, go to **Administration > Organization > Organization Profile**. For **Default UI Language**, choose **Japanese**. For **Default Data Language**, choose **Japanese (Japan)** then click **Apply**.

⚠ Make sure to choose **Japanese (Japan)** (not Japanese only) in **Default Data Language** for correct full localization.

Administration > Organization > Sites - General

Organization Profile

Fields with a red asterisk (*) are mandatory.

Name:*

ID:*

Description:

Default UI Language: [Japanese]

Default Data Language: [Japanese (Japan)]

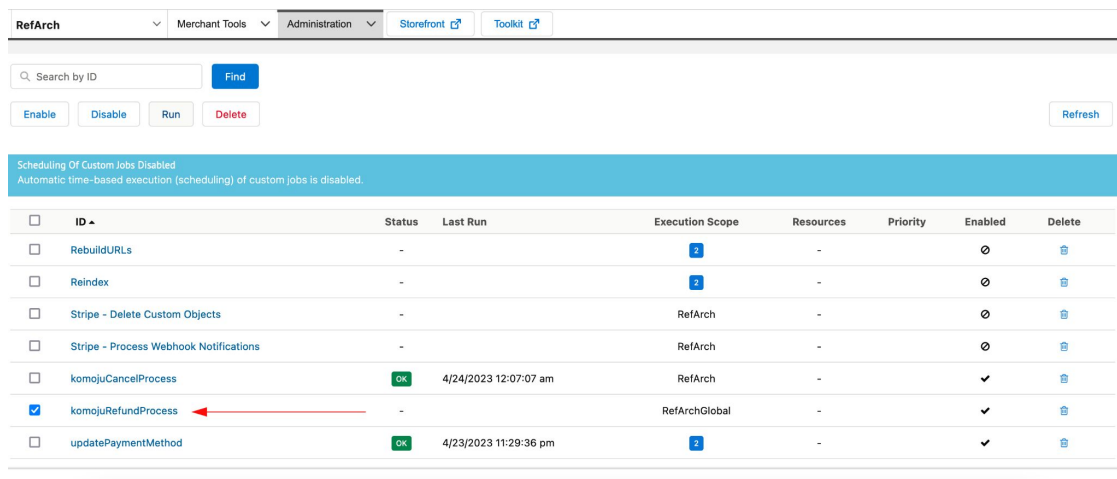
[Apply](#) [Reset](#)

Refund and Cancel a Payment

- A payment can be refunded and cancelled via either SFCC Business Manager **Orders** page in **Merchant Tools > Ordering > Orders**, or via KOMOJU's payment dashboard.
- Confirm that your webhooks (see **Webhooks Configuration**) are configured correctly to refund / cancel correctly both ways

Via Salesforce Business Manager Orders Page

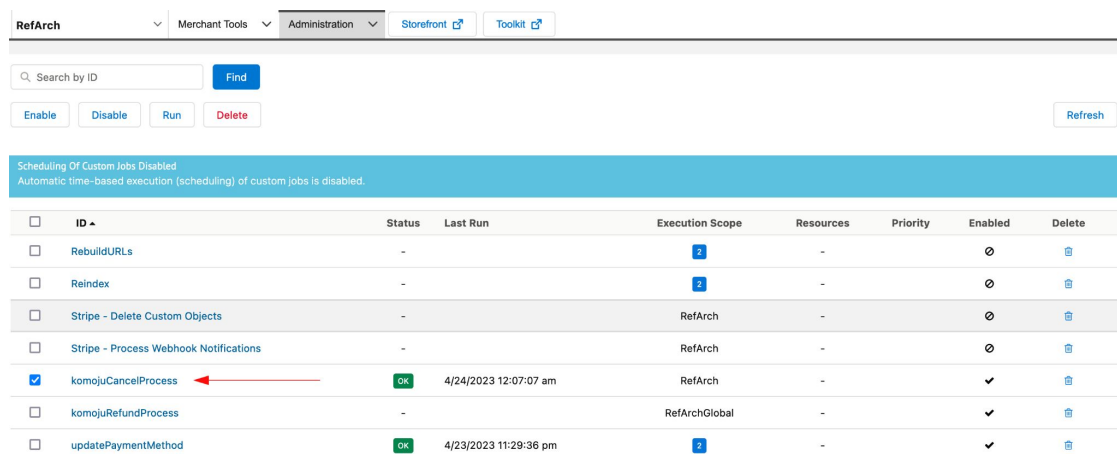
- Select the order that you would like to refund or cancel. Click **Cancel Orders**
- Run the KOMOJU processing jobs to update the payment status on KOMOJU
 - Run the **komojuRefundProcess** job to refund a **paid** (captured) payment



The screenshot shows the 'Administration' tab in the Merchant Tools interface. A table lists various jobs. The 'komojuRefundProcess' job is selected with a blue checkmark. A red arrow points to this job. The table includes columns for ID, Status, Last Run, Execution Scope, Resources, Priority, Enabled, and Delete.

ID	Status	Last Run	Execution Scope	Resources	Priority	Enabled	Delete
RebuildURLs	-		2	-		0	
Reindex	-		2	-		0	
Stripe - Delete Custom Objects	-		RefArch	-		0	
Stripe - Process Webhook Notifications	-		RefArch	-		0	
komojuCancelProcess	OK	4/24/2023 12:07:07 am	RefArch	-		✓	
komojuRefundProcess	-		RefArchGlobal	-		✓	
updatePaymentMethod	OK	4/23/2023 11:29:36 pm	2	-		✓	

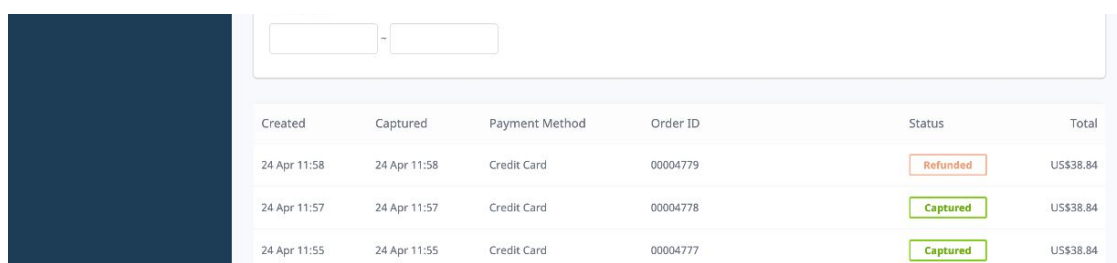
- Run the **komojuCancelProcess** job to cancel an **authorized** or **pending** payment



The screenshot shows the 'Administration' tab in the Merchant Tools interface. A table lists various jobs. The 'komojuCancelProcess' job is selected with a blue checkmark. A red arrow points to this job. The table includes columns for ID, Status, Last Run, Execution Scope, Resources, Priority, Enabled, and Delete.

ID	Status	Last Run	Execution Scope	Resources	Priority	Enabled	Delete
RebuildURLs	-		2	-		0	
Reindex	-		2	-		0	
Stripe - Delete Custom Objects	-		RefArch	-		0	
Stripe - Process Webhook Notifications	-		RefArch	-		0	
komojuCancelProcess	OK	4/24/2023 12:07:07 am	RefArch	-		✓	
komojuRefundProcess	-		RefArchGlobal	-		✓	
updatePaymentMethod	OK	4/23/2023 11:29:36 pm	2	-		✓	

- The payment status on KOMOJU's payment dashboard and the order's payment details should be updated to refunded or cancelled respectively.



The screenshot shows the KOMOJU payment dashboard. A table displays payment transactions with columns for Created, Captured, Payment Method, Order ID, Status, and Total. The status 'Refunded' is highlighted in orange, and 'Captured' is highlighted in green.

Created	Captured	Payment Method	Order ID	Status	Total
24 Apr 11:58	24 Apr 11:58	Credit Card	00004779	Refunded	US\$38.84
24 Apr 11:57	24 Apr 11:57	Credit Card	00004778	Captured	US\$38.84
24 Apr 11:55	24 Apr 11:55	Credit Card	00004777	Captured	US\$38.84

Via KOMOJU Payment Dashboard

- Search by Order ID for the payment you wish to refund or cancel
 - You can search by either the KOMOJU Payment ID or the Transaction number (also order number) that can be found in the payment details of the order

Merchant Tools > Ordering > Orders > Order: 00004778(RefArch)

General Attributes **Payment** Notes History

Payment Information for Order '00004778'

Order Total:	\$38.84		
Amount Paid:	\$0.00		
Balance Due:	\$38.84		
Invoice Number:	00015551		
Payment Status:	Paid		
Payment Method:	KOMOJU_HOSTED_PAGE Processor: KOMOJU Transaction: 00004778 Amount: \$38.84	Billing Address:	Test Tester Some Stre Some City US
Transaction Status: captured			
KOMOJU Payment ID: 143afk6bdgnc8gaufzw63ssb3			
KOMOJU Payment Method Type: credit_card			
Brand: visa			
KOMOJU Processing Currency: USD			
KOMOJU Processing Fee: \$ 0			
KOMOJU Exchange Rate: 1.0			
KOMOJU Exchange Amount: \$ 38.84			

RefArch Merchant Tools Administration Storefront Toolkit

You're using the new Search service.

This page allows you to search for orders by order number. Select **Advanced** to use more search options. Select **By Number** to search by providing a list of order numbers. Order numbers can be separated by either ',' or ';' or ':' or space or newline. Entered text is treated as case-sensitive; substring matching isn't supported.

Order Search									
Order Number: Find									
☐	Number	Order Date	Site	Created By	Registration Status	Customer	Email	Total	Status
☐	00004779	4/24/23 2:58:20 am Etc/UTC	RefArch	Customer	Unregistered	Test Tester	test@example.com	\$38.84	Cancelled
☐	00004778	4/24/23 2:57:01 am Etc/UTC	RefArch	Customer	Unregistered	Test Tester	test@example.com	\$38.84	New
☐	00004777	4/24/23 2:54:35 am Etc/UTC	RefArch	Customer	Unregistered	Test Tester	test@example.com	\$38.84	New
☐	00004776	4/24/23 2:17:05 am Etc/UTC	RefArch	Customer	Unregistered	Test Tester	test@example.com	\$37.79	Failed

KOMOJU

Live Test Merchant

Test ☒ Live ☐

Dashboard

Payments

Products

Events

Customers

Subscriptions

Webhooks

Merchant Settings

Payout Balance

Settlements

Reporting

Payments

Try New UI

TEST MODE

CSV

EXCEL

Search

First Name

Last Name

Customer E-mail

Customer Phone #

Created At

~

Captured at

~

Status

Payment Method

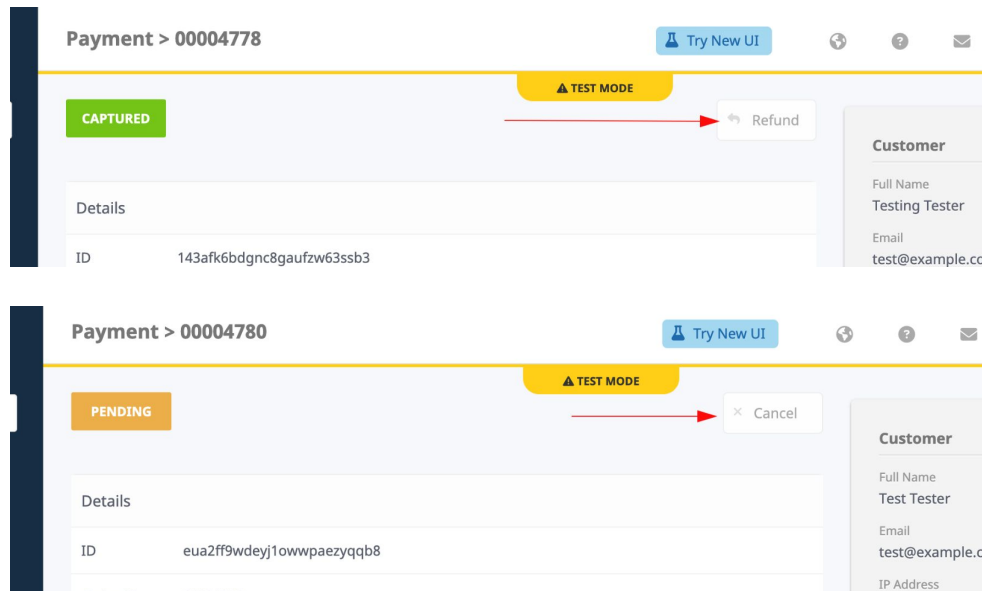
Order ID

Total Amount

Currency

Search

- Click on the payment to go to the payment page. There you can find the **Refund** or **Cancel** button to refund or cancel the payment



- The order status will then be updated accordingly on your Business Manager Orders page and can be viewed in the payment details (except for order of **Created** status and payment of **Pending** status on KOMOJU)

Merchant Tools > Ordering > Orders > Order: 00004778(RefArch)

General Attributes **Payment** Notes History

Payment Information for Order '00004778'

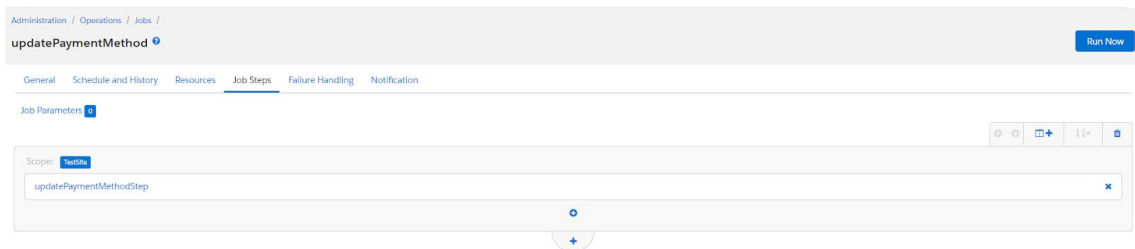
Order Total:	\$38.84		
Amount Paid:	\$0.00		
Balance Due:	\$38.84		
Invoice Number:	00015551		
Payment Status:	Not Paid		
Payment Method:	KOMOJU_HOSTED_PAGE Processor: KOMOJU Transaction: 00004778 Amount: \$38.84 Transaction Status: refunded KOMOJU Payment ID: 143afk6bdgnc8gaufzw63ssb3 KOMOJU Payment Method Type: credit_card Brand: visa KOMOJU Processing Currency: USD	Billing Address:	Test Tester Some Street Some City HI 123 US

Other Technical Specs

BM Module - Schedule Jobs

- `updatePaymentMethod`

- Calls the KOMOJU API to fetch available payment methods and update the custom object. The custom object will be updated according to the API response and the attribute `Available Komoju Payment Methods` will be updated with the stringified text containing payment methods and their details.



If there are already payment methods stored in the custom attribute then this job won't change the status of those payment methods. For example, if `konbini` was disabled earlier, this job won't enable `konbini`. Instead it will just store the additional payment methods received from the servers and the rest will be kept as earlier.

- `komojuCancelProcess`

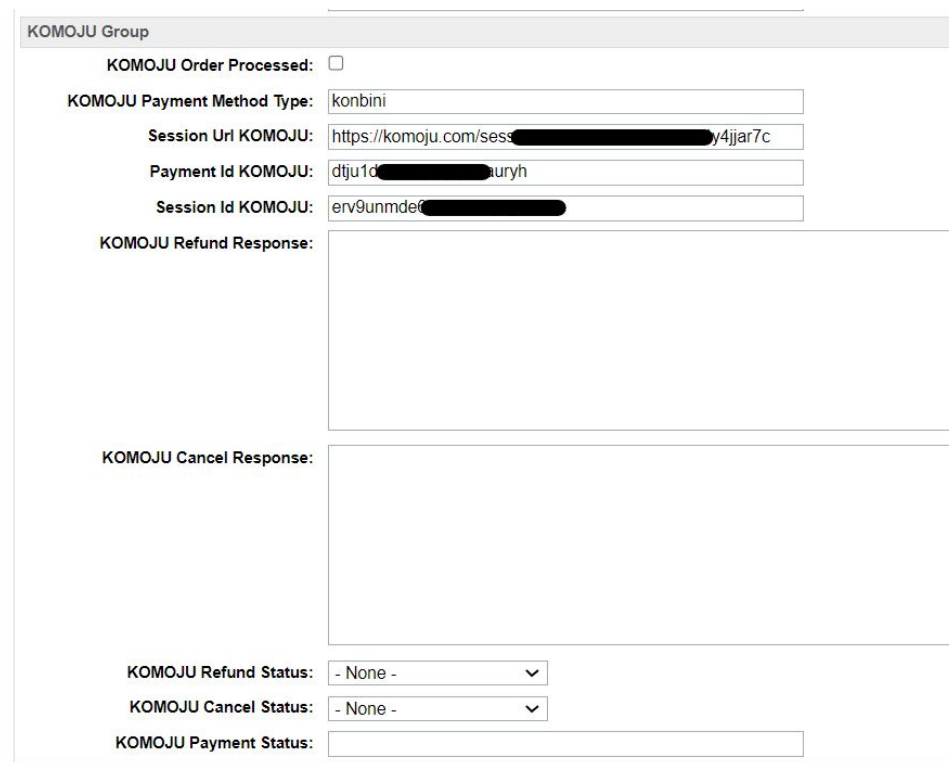
Calls the KOMOJU API to cancel the orders requested for the cancellation flow

- Navigate to **Administration > Jobs > komojuCancelProcess**, click **Run Now**



- This job processes the orders that are of the order status `Cancelled` and payment status as `Not Paid` and the **komojuCancelStatus** dropdown should neither be `Cancelled` nor `Rejected`.
- If the API response returns an error then the **komojuCancelStatus** drop-down is updated to **Failed** and the reason is stored in **komojuCancelResponse**
- If the API response returns a status code as `not_cancellable` then the dropdown is updated to **Rejected**.
- If the API response is `ok` then the dropdown is updated to **Cancelled**.

⚠ *In case there are orders that failed to be cancelled and are not retry-able, the order IDs are stored and an email containing the failed order IDs with the reasons for failure will be sent to your email that is set in **KOMOJU Payment Settings** module*



KOMOJU Group

KOMOJU Order Processed: ☐

KOMOJU Payment Method Type: konbini

Session Url KOMOJU: https://komoju.com/sess...y4jjar7c

Payment Id KOMOJU: dtju1d...auryh

Session Id KOMOJU: erv9unmde...

KOMOJU Refund Response:

KOMOJU Cancel Response:

KOMOJU Refund Status: - None -

KOMOJU Cancel Status: - None -

KOMOJU Payment Status:

- **komojuRefundProcess**

Calls the KOMOJU API to refund the orders requested for the refund flow

- Navigate to **Administration > Jobs > komojuRefundProcess**, click **Run Now**



Administration / Operations / Jobs / komojuRefundProcess Run Now

General Schedule and History Resources Job Steps Failure Handling Notification

Job Parameters

Scope: **refundOrder**

- This job processes the orders that are of the order status **Cancelled** and payment status as **Paid** and the **komojuRefundStatus** dropdown should neither be **Refunded** nor **Rejected**.
- If the API response returns an error then the **komojuRefundStatus** drop-down is updated to **Failed** and the reason is stored in **komojuRefundResponse**
- If the API response returns a status code as **not_refundable** then the dropdown is updated to **Rejected**
- If the API responses **ok** then the **komojuRefundStatus** dropdown is updated to **Refunded**.

⚠ *In case there are paid orders that failed to be refunded and are not retry-able, the order IDs are stored and an email containing those order IDs with the reasons for failure will be sent to your email that is set in **KOMOJU Payment Settings** module*

Version and SFRA Support Info

- The JavaScript Files are located at
`cartridges\int_komoju_sfra\cartridge\client\default\js\`
- The file with the current version of the `int_komoju_sfra` cartridge tool cartridge is located at
`int_komoju_sfra\cartridge\int_komoju_sfra.properties`

KOMOJU cartridge Version Support:

- SFRA 6.0.0 and above
- SiteGenesis 105.2.1 and above

Compatibility Mode:

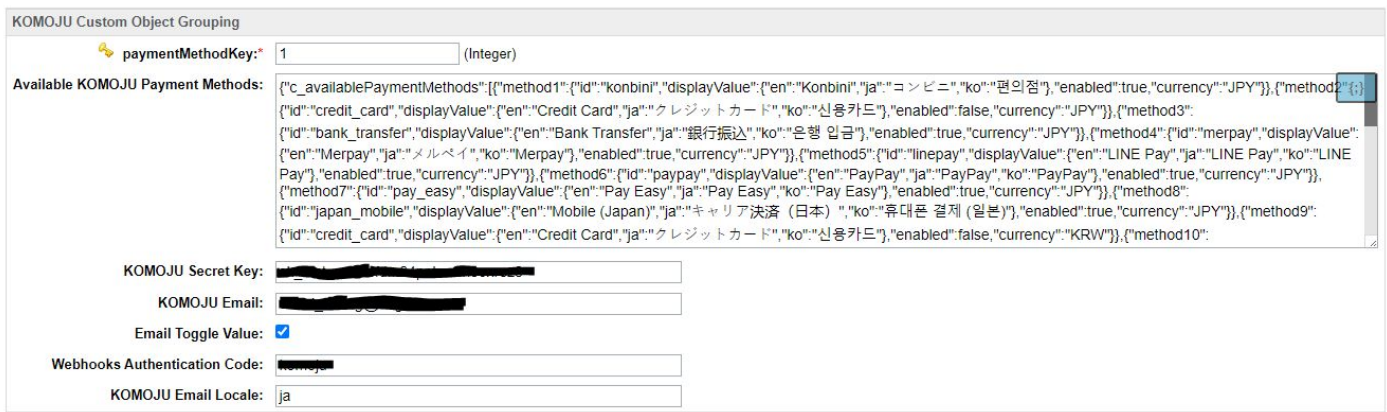
Cartridge tested with Compatibility Mode 22.4.

Operations and Maintenance

- Data Storage
 - The integration requires System Objects Extension to store partner-related information.
- Custom attributes for **Order** object:
 - **KOMOJU Session URL:** This custom attribute stores the session URL of the hosted page once a customer submits for payment
 - **UUID:** This custom attribute stores the UUID of the hosted page once a customer submits for payment
 - **KOMOJU Refund Status:** Enum of strings storing the status of the refund.
 - **KOMOJU Cancel Status:** Enum of strings that stores the cancellation status of an order.
 - **KOMOJU Refund Response:** This attribute contains the response of the refund API call in that order.
 - **KOMOJU Cancel Response:** This attribute contains the response of the cancel API call in that order.
 - **KOMOJU Order Processed:** This attribute specifies that the order has been forwarded to KOMOJU to create the transaction record.
 - **KOMOJU Payment Id:** This custom attribute on an order contains the payment UUID associated with the KOMOJU session id on a particular order.
 - **KOMOJU Payment Method Type:** It stores the payment method selected by the user, for example, Konbini, Bank transfer, etc.
 - **KOMOJU Exchange Rate:** It stores the exchange rate of the currency of the payment method selected with respect to the storefront currency.
- Custom attributes for **Basket** object
 - **KOMOJU Payment Method Type:** It stores the payment method selected by the user, for example - Konbini, Bank transfer, etc.
 - **KOMOJU Session URL:** It holds the KOMOJU session URL in the basket.
 - **UUID:** It holds the KOMOJU session UUID in the basket.

Operations and Maintenance

- Custom attributes for **OrderPaymentInstrument** object
 - **KOMOJU Payment Method Type:** It stores the particular method selected by the customer among all KOMOJU methods (e.g. Konbini, Paypay, Merpay, etc).
 - **Prepaid Card Last Digits:** It stores the prepaid card's last 4 digits numbers.
 - **Brand:** It stores brands associated with a credit card.
 - **Store:** It contains the store selected by the customer in case of the Konbini payment method.
 - **Transaction Status:** It stores the transaction status of the payment.
 - **KOMOJU Payment Id:** It stores the payment UUID received from KOMOJU.
 - **KOMOJU Exchange Rate:** It stores the exchange rate of the currency of the payment method selected with respect to the storefront currency.
 - **KOMOJU Processing Currency:** It stores the currency in which the customer makes a payment on KOMOJU's hosted page.
 - **KOMOJU Exchange Amount:** It stores the amount converted from storefront currency to the KOMOJU payment method selected currency.
 - **KOMOJU Processing Fee:** It stores the processing fee of the payment method selected.
- Custom Objects
 - **KOMOJU Payment Methods Object Type:** This type is used to store the KOMOJU payment methods, KOMOJU secret key, the email to send failure notifications, webhook authentication code, and KOMOJU Email Locale to store the current BM Locale. All these values get updated from the BM module configured.



KOMOJU Custom Object Grouping

paymentMethodKey: 1 (Integer)

Available KOMOJU Payment Methods:

```
{
  "c_availablePaymentMethods": [
    {
      "method1": {
        "id": "konbini",
        "displayValue": {
          "en": "Konbini",
          "ja": "コンビニ",
          "ko": "편의점"
        },
        "enabled": true,
        "currency": "JPY"
      },
      "method2": {
        "id": "credit_card",
        "displayValue": {
          "en": "Credit Card",
          "ja": "クレジットカード",
          "ko": "신용카드"
        },
        "enabled": false,
        "currency": "JPY"
      },
      "method3": {
        "id": "bank_transfer",
        "displayValue": {
          "en": "Bank Transfer",
          "ja": "銀行振込",
          "ko": "은행 입금"
        },
        "enabled": true,
        "currency": "JPY"
      },
      "method4": {
        "id": "merpay",
        "displayValue": {
          "en": "Merpay",
          "ja": "メルペイ",
          "ko": "메르페이"
        },
        "enabled": true,
        "currency": "JPY"
      },
      "method5": {
        "id": "linepay",
        "displayValue": {
          "en": "LINE Pay",
          "ja": "LINE Pay",
          "ko": "LINE Pay"
        },
        "enabled": true,
        "currency": "JPY"
      },
      "method6": {
        "id": "paypay",
        "displayValue": {
          "en": "PayPay",
          "ja": "PayPay",
          "ko": "페이페이"
        },
        "enabled": true,
        "currency": "JPY"
      },
      "method7": {
        "id": "pay_easy",
        "displayValue": {
          "en": "Pay Easy",
          "ja": "Pay Easy",
          "ko": "페이 이지"
        },
        "enabled": true,
        "currency": "JPY"
      },
      "method8": {
        "id": "japan_mobile",
        "displayValue": {
          "en": "Mobile (Japan)",
          "ja": "キャリア決済 (日本)",
          "ko": "휴대폰 결제 (일본)"
        },
        "enabled": true,
        "currency": "JPY"
      },
      "method9": {
        "id": "credit_card",
        "displayValue": {
          "en": "Credit Card",
          "ja": "クレジットカード",
          "ko": "신용카드"
        },
        "enabled": false,
        "currency": "KRW"
      },
      "method10": {
        "id": "credit_card",
        "displayValue": {
          "en": "Credit Card",
          "ja": "クレジットカード",
          "ko": "신용카드"
        },
        "enabled": false,
        "currency": "KRW"
      }
    }
  ]
}
```

KOMOJU Secret Key: [Redacted]

KOMOJU Email: [Redacted]

Email Toggle Value: ☒

Webhooks Authentication Code: [Redacted]

KOMOJU Email Locale: ja

HTTP Server Availability

- You can track availability and downtime by service status in the Commerce Cloud Business Manager.
- Go to **Administration > Operations > Services > service_name**.
- **KOMOJUService:** This service is used to create a hosted page session, get the details of the session at any point of the checkout flow and cancel the session as well.
- **KOMOJUCancelAndRefundService:** This service is used to request the refund and cancel on the KOMOJU's end.
- **KOMOJUGetPaymentMethods:** This service is used to get the latest payment methods from KOMOJU servers.

Service Errors Handling

- Service timeout
 - To configure logs, go to Administration > Operations > Custom Log > Settings. In Log Category, enter `customKomojuErrors`, choose log level as `ERROR` and click to add. Then add another category `customKomojuSourceLogger` with `INFO` log level.
 - If KOMOJU service becomes unavailable, error details can be found in the following logs
 - Error details can be found in the log with the `custom.customKomojuErrors` prefix
 - Service requests can be found in the log with the `custom.customKomojuSourceLogger` prefix

Custom Log Filters

Custom log category names can't include 'custom' as a prefix.

Active	Log Category	Log Level
	Enter a log category...	INFO Add
	root	WARN
☒	customKomojuErrors	ERROR X
☒	customKomojuSourceLogger	INFO X

Custom Log Targets

Email: Messages with log level FATAL can be sent to email recipients.

Log Files: Select Log Levels Written to Files:

- ☒ FATAL
- ☒ ERROR
- ☒ WARN
- ☒ INFO
- ☒ DEBUG

Log Center: Messages that pass the filters are sent to the log search application.

Handle error response

Error handling for the SFRA-based integration is in `custom.customKomojuErrors`

- Detailed errors from KOMOJU can be found in custom-search errors
- All error texts are located at **Administration > Site Development > Development Setup > Log** files folder icon. You can search for `customKomojuErrors` errors.