

SFRA Mollie LINK Integration

Version 20.1.0



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1. Summary

This LINK cartridge is the official Mollie Commerce Cloud LINK integration.

You can find more information about Mollie here: <https://www.mollie.com/>. It is required to create an account and fill in the required settings before going live. There is always an option to create a free test account here: <https://www.mollie.com/dashboard/signup?lang=en>.

More information to get started: <https://www.mollie.com/be/developers>.

More information about the JSON API: <https://docs.mollie.com/reference/v2/payments-api/create-payment>.

More information about general integration: <https://github.com/mollie> This is handy to get a general idea of what Mollie is capable of.

The LINK cartridge was build and tested with SFRA version 5.0.1 and B2C Commerce version 20.9 (Compatibility Mode: 19.1)

2. Component Overview

Functional Overview

Mollie provides an easy way to integrate with a wide range of payment methods and wallets. The integration makes use of REST API calls to Mollie. Commerce Cloud will then handle the responses and will process orders.

It is also possible to handle payment cancels, refunds and shipments in the Commerce Cloud Customer Service Center.

The following payment methods are supported by default:

- Bancontact
- Credit card
- PayPal
- iDeal
- Sofort Banking
- Bank transfer
- Belfius
- KBC
- Pay later
- Slice it
- Gift cards
- ING Home'Pay
- Giropay
- Eps
- Przelewy24

The following wallets are supported by default:

- Apple Pay

Use Cases

- As a customer, complete a checkout processes using the Mollie payment methods with the ability to remember your card data when logged in.
- As the merchant, view the Mollie payment details in the Business Manager
- As the merchant, perform custom actions regarding the payment (cancel payment, refund payment, ship order)
- As the merchant, configure multiple settings in the custom site preferences

Limitations, Constraints

The plugin was build to work on the SFRA demo site.

The following Mollie API's are (partially) supported:

- Payment API
- Methods API
- Refunds API
- Orders API
- Shipment API
- Customers API

Compatibility

Sitegenesis: Not supported

SFRA version: 5.0.1

Compatibility mode: 19.1

Privacy, Payment

Credit card data is never processed on the Commerce Cloud side.

New payments will be entered and processed on the Mollie Payment Page.

There is also a possibility to use the Customers API. This feature will allow the customer to remember and reuse the card data entered at a later stage. Card data is always stored on the Mollie environment, never in Commerce Cloud.

3. Implementation Guide

The LINK integration was developed using Visual Studio Code together with the prophet plugin. Open the project follow the steps:

- Make sure that node and npm are installed
- Go to the project root and enter “npm install” in the terminal
- After the install is complete, enter “npm run compile” to compile the css and js
- Upload the cartridges to the Business Manager

Setup of Business Manager

Setup Storefront Cartridges

The first thing to do is to setup the Storefront cartridges. The plugin exists out of 3 storefront cartridges. These cartridges will need to be added to Cartridge Path of the required Storefront Site(s).

Name	Purpose
int_mollie	Contains all the business logic pertaining order and payment management through the Mollie API.
plugin_mollie	Contains Payment and Checkout controllers.

It is important to add the cartridges in the following order. Insert these cartridges *before* **app_storefront_base** cartridge.

Cartridge List
plugin_mollie:int_mollie

Setup Business Manager Cartridges

When this is done, it is time to setup the Business Manager cartridges. There are 2 cartridges that you will need to be added to the cartridge path for the Business Manager.

Name	Purpose
int_mollie	Contains all the business logic pertaining order and payment management through the Mollie API.
bm_mollie	<ul style="list-style-type: none">Contains a job to check for orders that have not been completed after 24 hours (configurable) and fails them. If by any chance the payment flow was completed for this order but failed, the order will be set to the complete status.Contains custom Customer Service Centre actions per order. These actions will help maintaining the order.
app_storefront_base	Add this cartridge to provide the necessary business logic to the custom actions in the Customer Service Center

It is important to add the cartridges in the following order.

Cartridge List
bm_mollie:int_mollie

Import data

The project also contains a **data** folder. This data folder contains jobs, custom attributes, services, payment processors and payment method required.

To import the data, follow the next steps:

- Site import
 1. Go to **Administration → Operations → Site Import & Export**
 2. Under **Import & Export Files** click on **Upload**
 3. Upload the **mollie-site-export.zip**
 4. Import the uploaded file

Configuration

Configure Site Preferences

After importing the data, the custom site preferences become available.

These are all the custom site preferences that all configurable. Make sure to create an API user in the Mollie backoffice.

1. Go to **Merchant Tools** → **Site Preferences** → **Custom Preferences**
2. If the custom attributes were imported, you should see an attribute group named **Mollie Config**
3. Click on the group and you should see the settings listed below

ID	Type	Description
mollieEnabledMode	Set of Strings	Environment used (TEST/LIVE). In TEST mode “mollieBearerTestToken” will be used, in LIVE mode “mollieBearerToken” will be used.
mollieBearerToken	String	This API Key will be used when “mollieEnabledMode” is set to TEST. You can find your API key in your Mollie Profile, it starts with live. https://www.mollie.com/dashboard/org_9306261/developers/api-keys
mollieBearerTestToken	String	This API Key will be used when “mollieEnabledMode” is set to LIVE. You can find your API key in your Mollie Profile, it starts with test. https://www.mollie.com/dashboard/org_9306261/developers/api-keys
mollieProfileId	String	You can find your Profile ID in your Mollie Profile: https://www.mollie.com/dashboard/org_9306261/developers/api-keys
mollieDefaultEnabledTransactionAPI	Set of Strings	The default enabled method API (ORDER/PAYMENT). Read more about the differences between the Payment and Orders API: https://docs.mollie.com/orders/why-use-orders
mollieDefaultOrderExpiryDays	Set of Integers	Default expiry days for orders created with the ORDERS API.
mollieEnableSingleClickPayments	Boolean	Indicates if Single Click Payments are enabled. Read more about Single Click Payments and how it improves your conversion. https://help.mollie.com/hc/en-us/articles/115000671249-What-are-single-click-payments-and-how-does-it-work-
mollieComponentsEnabled	Boolean	Indicates if Mollie Components are enabled. Read more about Mollie Components and how it improves your conversion. https://www.mollie.com/en/news/post/better-checkout-flows-with-mollie-components

mollieLogCategory	String	Log category used by SFCC. The log category can be selected under: "Administration -> Operations -> Custom Log Settings".
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Configure Services

It is necessary to configure the correct Mollie service credentials.

1. Go to **Administration → Operations → Services**
2. If the import was successful, you should see the following services

Mollie.CancelOrder	HTTP	Mollie
Mollie.CancelOrderLineItem	HTTP	Mollie
Mollie.CancelPayment	HTTP	Mollie
Mollie.CreateCustomer	HTTP	Mollie
Mollie.CreateOrder	HTTP	Mollie
Mollie.CreateOrderRefund	HTTP	Mollie
Mollie.CreatePayment	HTTP	Mollie
Mollie.CreatePaymentRefund	HTTP	Mollie
Mollie.CreateShipment	HTTP	Mollie
Mollie.GetMethod	HTTP	Mollie
Mollie.GetMethods	HTTP	Mollie
Mollie.GetOrder	HTTP	Mollie
Mollie.GetPayment	HTTP	Mollie

3. Go to the **Mollie Credentials**
4. Fill in the correct URL

Configure Payment Methods

Validate that the payments methods where imported correctly.

1. Go to **Merchant Tools** → **Ordering** → **Payment Methods**
2. There should be a list that contains the following payment methods

MOLLIE_APPLE_PAY	Apple Pay	Yes
MOLLIE_BANCONTACT	Bancontact	Yes
MOLLIE_BANKTRANSFER	Bank transfer	Yes
MOLLIE_BELFIUS	Belfius	Yes
MOLLIE_CREDIT_CARD	Credit card	Yes
MOLLIE_EPS	eps	Yes
MOLLIE_GIFTCARD	Gift cards	Yes
MOLLIE_GIROPAY	Giropay	Yes
MOLLIE_IDEAL	iDEAL	Yes
MOLLIE_ING_HOME_PAY	ING Home'Pay	Yes
MOLLIE_KBC	KBC	Yes
MOLLIE_KLARNA_PAY_LATER	Pay later	Yes
MOLLIE_KLARNA_SLICE_IT	Slice it	Yes
MOLLIE_PAYPAL	PayPal	Yes
MOLLIE_PRZELEWY	Przelewy24	Yes
MOLLIE_SOFORT	SOFORT Banking	Yes

3. These payment methods should be linked to the **MOLLIE_ECOM_DEFAULT** payment processor, if the payment method uses Mollie components use **MOLLIE_ECOM_CREDIT** instead.

It is possible to change the **Name** and **Image** of the **Payment Methods**.

There are also some custom attributes available on the payment methods.

ID	Type	Description
molliePaymentMethodId	String	The payment id from Mollie
mollieOrderExpiryDays	Enum-of-strings	expiry days for orders created with the ORDERS API.
mollieEnabledTransactionAPI	Enum-of-strings	enabled method API (ORDER/PAYMENT). Read more about the differences between the Payment and Orders API: https://docs.mollie.com/orders/why-use-orders

4. Testing

Configure the backend accordingly. Make sure the following Site Preferences are configured according to your Mollie account:

1. `mollieEnabledMode`
 - Set to “TEST” when testing with a Mollie test API key, “LIVE” for a production API key
2. `mollieBearerToken`
 - The token found on your Mollie dashboard
3. `mollieBearerTestToken`
 - The test token found on your Mollie dashboard
4. `mollieDefaultEnabledTransactionAPI`
 - The default enabled method API (order/payment)
5. `mollieDefaultOrderExpiryDays`
 - The default expiry days for orders created with the orders API
6. `mollieEnableSingleClickPayments`
 - Set to true when you want to enable Single Click payments
7. `mollieComponentsEnabled`
 - Set to true when you want to enable Mollie Components

Checkout

Checkout as a guest

1. Add a product to your cart
2. Continue to payment step
3. Select a payment method and click on “Next: Place Order”

Payment

Billing Address

John Doe Address City TX 12345


[Update Address](#)[Add New](#)


*Email ⓘ


john@doe.com


*Phone Number ⓘ


9234567890



Bancontact



SOFORT
Banking



ING Home'Pay



Credit card



Bank transfer



Giropay



PayPal


Belfius


eps


iDEAL


KBC


Przelewy24

Next: Place Order

4. Validate the order and click on “Place Order”

Payment

Edit

Billing Address:

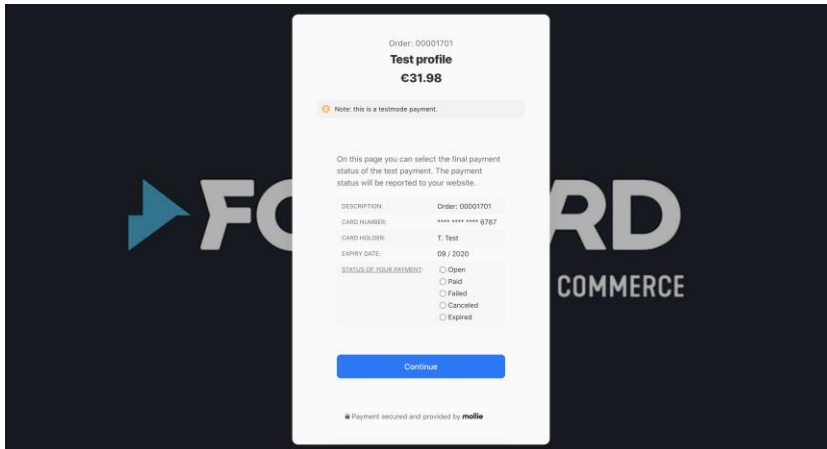
John Doe
Address
City TX 12345

9234567890

Payment:
Method: Credit card

Place Order

- The checkout will now redirect to Mollie



- Fill the details and continue the payment.
- Now an order is created in the Business Manager.

[Merchant Tools](#) > [Ordering](#) > [Orders](#) > Order: 00001702(RefArch)

[General](#) [Attributes](#) [Payment](#) [Notes](#) [History](#)

Payment Information for Order '00001702'

Order Total:	€31.98
<u>Amount Paid:</u>	€0.00
Balance Due:	€31.98
Invoice Number: 00005001	
<u>Payment Status:</u>	Paid
Payment Method: MOLLIE_CREDIT_CARD	<u>Billing Address:</u> John Doe
Processor: MOLLIE_ECOM_CREDIT	Address
Transaction: 00001702	City TX 12345
Amount: €31.98	BE
Mollie payment ID: tr_EqDcswfwA8	
Mollie payment status: paid	
Print Invoice	

[<< Back to List](#)

Checkout as an authenticated customer with a new card

1. Add a product to your cart
2. Continue to payment step
3. Select a payment method. If the `mollieEnableComponents` and `mollieEnableSingleClickPayments` settings are enabled, the option to save a card for later use will become visible.

Payment

Billing Address

Default address - John Doe Address City, TX 12345


[Update Address](#)[Add New](#)

*Email ⓘ


john@doe.com

*Phone Number ⓘ


9234567890




Bancontact




Credit card




PayPal




iDEAL




SOFORT
Banking




Bank transfer




Belfius




KBC




ING
Home'Pay



Giropay



eps



Przelewy24

*Card holder name

*Credit Card number

*Expiry date

MM / YY

*Security code

☒ Save Card to Account

Next: Place Order

4. Enable the “Save card to Account” option
5. click on “Next: Place Order”

6. Validate the order and click on “Place Order”

Payment

Edit

Billing Address:

John Doe

Address

City TX 12345

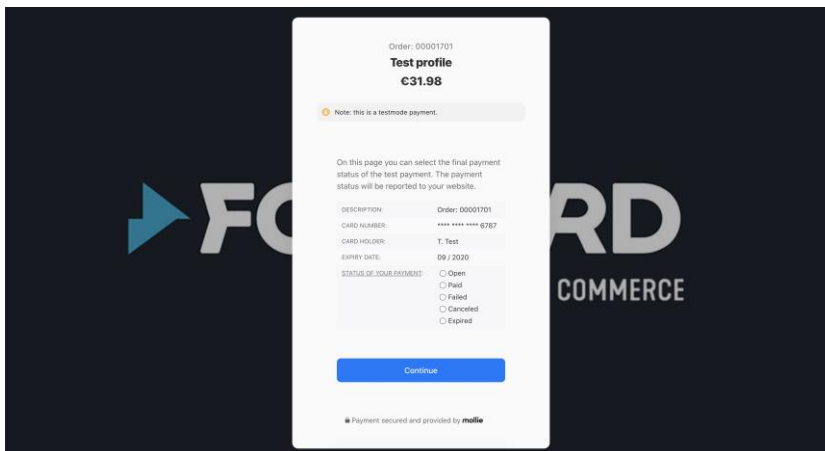
9234567890

Payment:

Method: Credit card

Place Order

7. The checkout will now redirect to Mollie



Checkout as an authenticated customer with an existing card

1. Add a product to your cart
2. Continue to payment step
3. Select a payment method. If the `mollieEnableComponents` and `mollieEnableSingleClickPayments` settings are enabled u can pick your card in the Mollie checkout.

Payment

Billing Address

John Doe Address City TX 12345


[Update Address](#)[Add New](#)


*Email ⓘ


john@doe.com


*Phone Number ⓘ


9234567890



Bancontact



Credit card



PayPal



iDEAL



SOFORT
Banking



Bank transfer



Belfius


KBC


ING Home'Pay


Giropay


eps


Przelewy24

[Add Payment](#)

Next: Place Order

4. click on “Next: Place Order”
5. Validate the order and click on “Place Order”

Payment

Billing Address:

John Doe
Address
City TX 12345

9234567890

Payment:
Method: Credit card

[Edit](#)

Place Order

6. The checkout will now redirect to Mollie and you can pick an existing card used on a previous order.

5. Operations, Maintenance

Data Storage

Data is stored on multiple locations.

- System Objects
 - PaymentMethod
 - molliePaymentMethodId – The id of the Mollie payment method
 - mollieOrderExpiryDays – The expiry days for orders created with the order API
 - mollieEnabledTransactionAPI – The enabled method API for this payment method
 - PaymentTransaction
 - molliePaymentId – The id of the Mollie payment for orders created with the payment API
 - molliePaymentStatus – The status of the Mollie payment for orders created with the payment API
 - mollieIssuerData – Selected issuer data
 - Order
 - mollieOrderId – The id of the Mollie order for orders created with the order API
 - mollieOrderStatus – The status of the Mollie order for orders created with the order API
 - mollieUsedTransactionAPI – The Mollie method API used for creating the transaction (order/payment)
 - mollieRefundStatus – Contains the status of the refund
 - Profile
 - mollieCustomerId – The id of the Mollie customer (used for single click payments)
 - Product
 - mollieProductCategory – Category used for paying with “voucher” method (eco/meal/gift)
- Order
 - Order History

Communication to and from Mollie will be logged in the Order History. This way the merchant knows exactly what happened with the payment.

Availability

When Mollie services are down the customer will not be able to complete the checkout.
Service availability and performance can be check in the Salesforce backend by the merchant.

Support

TBD

6. User Guide

Roles, Responsibilities






Integration will require a Commerce Cloud developer that is familiar with SFRA and Commerce Cloud code.

Business Manager

Customer Service Center actions

Make sure to assign the correct user rights to the correct roles.

1. Go to **Administration → Organization → Roles & Permissions**
2. Click on the on a role
3. Go to **Customer Service Center Permissions**
4. Select the specific sites
5. Enable following roles

Customer Service Center Module		Module Description
 Order		
	Cancel payment	Cancel payment
	Request payment link	Request payment link
	Refund payment	Refund payment
	Ship order	Ship order

Performing a payment cancel

Order cancels are managed by custom actions on the order itself.

1. Press the **Find Order** button.
2. Select an order
3. Press the **More** button on the top right corner and select **Cancel payment**.
4. For orders created with the **payment API** you can cancel the whole payment.

Payments

Payment: tr_Ut6kyWMfz8

Cancel

5. For orders created with the **order API** you can choose the products to cancel. (max amount already prefilled)
Some payment methods can be canceled by the merchant for a certain amount of time, usually until the next business day. Or as long as the Mollie payment status is open. Only orders that are CREATED/OPEN/NEW/COMPLETED can be canceled!

Order: ord_rvh9g2

Cancel order

Cancel

Cancel lines

701643343324M - Classic Bermuda Short

Cancelable: 0

Canceled: 0

0

Cancel

- Shipping

Cancelable: 0

Canceled: 0

0

Cancel

6. Click on **Cancel** to cancel the order or payment.

Performing a payment refund

Order refunds are managed by custom actions on the order itself.

1. Press the **Find Order** button.
2. Select an order
3. Press the **More** button on the top right corner and select **Refund payment**.
4. For orders created with the **payment API** you can choose the amount to refund. (max amount already prefilled)

Only orders that are OPEN/NEW/COMPLETED can be refunded!

Payment: tr_BV7kNgvHxK

Refundable: 31.98 EUR

Refunded: 0.00 EUR

Refund

5. For orders created with the **order API** you can partially or fully refund the order. For each product the maximum quantity already prefilled.

Only orders that are OPEN/NEW/COMPLETED can be refunded!

Order: ord_8tdczm

Refund order

Fully refunded: false

Amount refunded: 0.00

Refund

Refund lines

701643343263M - Classic Bermuda Short

Refundable: 1

Refunded: 0

Refund

- Shipping

Refundable: 1

Refunded: 0

Refund

6. Click on **Refund** to refund the payment or order

Performing a order shipment

Order shipments are managed by custom actions on the order itself.

1. Press the **Find Order** button.
2. Select an order
3. Press the **More** button on the top right corner and select **Ship order**.
4. You can only ship orders that are created with the **order API**. You can partially or fully ship the order. For each product the maximum quantity is already prefilled
Only orders that are OPEN/NEW/COMPLETED

Order: ord_8tdczm

Ship order

Ship

Ship lines

701643343263M - Classic Bermuda Short

Shippable: 1
Shipped: 0

1

Ship

- Shipping

Shippable: 1
Shipped: 0

1

Ship

5. Click on **Ship** to ship the order or products.

Request payment link

Request payment link is managed by custom actions on the order itself.

6. Press the **Find Order** button.
7. Select an order

8. Press the **More** button on the top right corner and select **Request payment link**. Only orders that are OPEN can be requested for a payment link.

Send payment link

<https://www.mollie.com/paymentscreen/testmode/?method=mistercash&token=1.cnc1ma>

9. Click on **Send** to send the payment link to the customer.
 - a. Please note that Salesforce does not provide mailing, the integrator needs to implement this by extending / overwrite the *bm_mollie/cartridge/scripts/payment/paymentLink* file

Jobs

There is 1 job available that will handle status updates when Mollie can't reach the SFCC webhook call to update the orders. Make sure to change the scope to the required sites.

Administration / Operations / Jobs /

Saferpay - Check created orders

General Schedule and History Resources **Job Steps** Failure Handling Notification

Job Parameters 0

Scope: **RefArch**

FailExpiredOrders

+

Select and Configure Step

custom.CSComponents.FailExpiredOrders

Context: Organization, Site

ID*

FailExpiredOrders

Description

ExpireAfterHours*

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Job Parameters

☐ IsDisabled

Job Parameters

☐ Always execute on restart.

Exit Status Rules

Add Rule

There will be a Job available to check CREATED orders before a given time. The job will request the payment status from Mollie and update the SFCC order accordingly.

There are 2 parameters available:

- ExpireAfterHours
 - The job will collect orders with the CREATED status that are older than the specified number of hours
- IsDisabled
 - Enable to skip the step

7. Known Issues

No known issues

8. Release History

Version	Date	Changes
20.1.0	2020-09-24	Initial release