

USER GUIDE SAFERPAY MODULE FOR MAGENTO 2.3.0 - 2.4.6 p3

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ABOUT DOCUMENT

Version No.	Prepared by	Version Changes	Date
V1.0.0	Deepthi Joseph & Shanty Justus, PIT Solutions Pvt Ltd	Prepared initial document version	31.03.2020
V1.0.1	Soumia George, PIT Solutions Pvt Ltd	Added Amasty Recurring Payment module and limitations with the Recurring module	09.04.2020
V1.0.2	Shanty Justus, PIT Solutions Pvt Ltd.	PSD2 Changes	06.05.2020
V1.0.3	Erich Zeiler-Rausch Worldline Payment Services	Proofread and public release	14.05.2020
V1.0.4	Deepthi Joseph & Shanty Justus, PIT Solutions Pvt Ltd Payment Services	iDEAL Preselection for bank account, Saferpay Fields for "Save card", Redirect URL in lightbox for checkout with Saferpay Fields and Transaction Interface	06.10.2020

V1.0.5	Shanty Justus, Deepthi Joseph PIT Solutions Pvt Ltd Payment Services	Compatible with Magento version 2.4.1 and Amasty Subscriptions & Recurring Payments Version 1.6.3, Added Klarna payment method.	23.12.2020
V1.0.6	Shanty Justus PIT Solutions Pvt Ltd Payment Services	Compatible with Magento version 2.4.2, Fixed the compatibility issues when Amasty Subscriptions & Recurring Payments extension is not installed, Fixed the error of sending incorrect LanguageCode to API	23.04.2021
V1.0.7	Shanty Justus PIT Solutions Pvt Ltd Payment Services	Compatible with Magento version 2.3.7 and 2.4.2 p1	10.06.2021
V1.0.8	Shanty Justus Deepthi Joseph PIT Solutions Pvt Ltd Payment Services	Crypto Payments, New countries for Klarna Payments, New currencies for SOFORT, EPS Refund support, Removed Bonus card	14.07.2021

V1.0.9	Shanty Justus Deepthi Joseph PIT Solutions Pvt Ltd Payment Services	Compatible with Magento version 2.4.3, 2.3.7-p2 and 2.4.3-p1 and Amasty Subscriptions & Recurring Payments Version 1.6.8 API Spec version updates from 1.23 to 1.25	14.12.2021
V1.1.0	Shanty Justus PIT Solutions Pvt Ltd Payment Services	Fixed the shopping cart deletion issue when the order is cancelled or failed	12.01.2022
V1.1.1	Shanty Justus PIT Solutions Pvt Ltd Payment Services	Fixed the issue of sending ipv6 address to Saferpay	10.02.2022
V1.1.2	Shanty Justus PIT Solutions Pvt Ltd Payment Services	Handled the magento feature of asynchronous sending of order and invoice emails	08.03.2022
V1.1.3	Shanty Justus Deepthi Joseph PIT Solutions Pvt Ltd Payment Services	Compatible with Magento version 2.4.4 and Amasty Subscriptions & Recurring Payments Version 1.6.9 & 1.6.10, API Spec version updates from 1.25 to 1.28	06.09.2022
V1.1.4	Shanty Justus PIT Solutions Pvt Ltd Payment Services	Compatible with Magento version 2.4.4 p2, 2.4.5 &2.4.5 p1, API Spec version updates from 1.29 to 1.30	16.11.2022

V1.1.6	Shanty Justus PIT Solutions Pvt Ltd Payment Services	Compatible with Magento version 2.3.0 – 2.4.6	18.04.2023
V1.1.8	Shanty Justus Soumia George PIT Solutions Pvt Ltd Payment Services	Compatible with Magento API Spec version updates from 1.31 to 1.34, Compatible with Amasty Subscriptions & Recurring Payments Version 1.6.10 and Added GraphQL support for Magento versions from 2.4.0 to 2.4.6	22.06.2023
V1.1.9	Shanty Justus PIT Solutions Pvt Ltd Payment Services	Fixed the soap webservice API error & Recurring Payments error	20.09.2023
V1.2.0	Shanty Justus Soumia George PIT Solutions Pvt Ltd Payment Services	Compatible with Magento API Spec version 1.35, Added GraphQL support for Magento versions from 2.3.3 to 2.4.6, Compatible with Amasty Subscriptions & Recurring Payments Version 1.6.10 – 1.6.12, Added new option “Auto capture” in the Liability shift behaviour settings, Added fix for the warning in cron execution when table prefix is present in the database	30.11.2023

V1.2.1	Shanty Justus Soumia George PIT Solutions Pvt Ltd Payment Services	Added updates of Magento API Spec version from 1.36 to 1.38, Compatible with Magento Version 2.3.0 to 2.4.6 p3, Added GraphQL support for Magento versions from 2.3.3 to 2.4.6 p3, Compatible with Amasty Subscriptions & Recurring Payments Version 1.6.13	25.01.2024
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ABOUT SAFERPAY

Saferpay is the easy, flexible, secure and the comprehensive e-payment solution from Worldline (former SIX Payment Services) for easier and more secure payment in your online shop.

Worldline [Euronext: WLN] is the European leader in the payments and transactional services industry and #4 player worldwide. With its global reach and its commitment to innovation, Worldline is the technology partner of choice for merchants, banks and third-party acquirers as well as public transport operators, government agencies and industrial companies in all sectors. Powered by over 20,000 employees in more than 50 countries, Worldline provides its clients with sustainable, trusted and secure solutions across the payment value chain, fostering their business growth wherever they are.

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ABOUT MAGENTO MODULE

This module is implemented to integrate Saferpay Payment methods in Magento. It supports the following payment methods of Saferpay to work with default Magento 2 checkout.

- 1] VISA
- 2] MASTERCARD
- 3] MAESTRO
- 4] AMERICAN EXPRESS
- 5] BANCONTACT
- 6] DINERS/DISCOVER
- 7] JCB
- 8] SEPA ELV
- 9] MYONE
- 10] MASTERPASS
- 11] UNIONPAY
- 12] PAYPAL
- 13] TWINT
- 14] PAYDIREKT
- 15] IDEAL
- 16] EPRZELEWY
- 17] POSTFINANCE CARD
- 18] POSTFINANCE EFINANCE
- 19] APPLE PAY
- 20] ALIPAY
- 21] CREDITCARD (SAFERPAY FIELDS)
- 22] SOFORT
- 23] GIROPAY
- 24] EPS
- 25] BILLPAY PURCHASE ON RECEIPT

- 26] BILLPAY DIRECT DEBIT
- 27] KLARNA PAYMENTS
- 28] WL CRYPTO PAYMENTS
- 29] GOOGLEPAY

This module supports all the features of online payment methods like invoice capturing, refunding & cancellation. All these payment operations done in the Magento backend will be synced to Saferpay account also.

REQUIRMENTS

To install and configure Saferpay module in Magento, the following is required:

- Magento installation with version between 2.3.0 to 2.4.6 p3
- The license for the Saferpay module.
- A valid Saferpay account with at least one active Saferpay terminal through which payments can be carried out
- API credentials like Terminal ID, Customer ID, JSON Username and JSON Password for the Saferpay Live- and/or Test environment
- Valid acceptance agreement for payment methods.

INSTALLATION

To install Saferpay module follow the steps below.

Step 1: Download Saferpay module extension and unzip it.

Step 2: Access your web server directories and upload the content of the folder into the root directory

Step 3: Run the following commands to complete the installation.

1. Enable the module

```
php bin/magento module:enable --clear-static-content Saferpay_PaymentService
```

```
php bin/magento module:enable --clear-static-content Saferpay_RecurringPayments  
( Disable this module if the shop does not use Amasty recurring module)
```

2. Update of the database

```
php bin/magento setup:upgrade
```

3. Generate and pre-compile classes

```
php bin/magento setup:di:compile
```

4. Deploy static files

```
php bin/magento setup:static-content:deploy [locale]
```

[locale] should be replaced by ISO-639 language codes for which to output static view files.

CONFIGURATION

Saferpay module configuration includes two section

1. General configuration
2. Payment method specific configuration

GENERAL CONFIGURATION

Configure general module settings from Stores > Configuration > Sales > Saferpay Tab

General Plugin information can be viewed from here

General

Version	1.1.7
<small>[store view]</small>	
API Spec Version	1.34
<small>[store view]</small>	

1. Version : Current Plugin Version
2. API Spec Version : Current API Spec version. This gives information about technical features, modifications and enhancements that are integrated

The following configuration options are available in General section

1. Environment: It defines the Saferpay Operation mode. The dropdown will allow merchant to quickly switch between live and test environment. By default, test mode is selected
2. Test Customer ID/Live Customer ID
3. Test Terminal ID
4. Test JSON Username
5. Test JSON API Password
6. Generate Saferpay Fields access token and url automatically

By enabling this, you can automatically create Access Tokens and Api Url for the Saferpay Fields.

Note: Configuration fields from 1 to 5 must be filled in if you want to create access token automatically.

7. Enter Shop Url

Enter your shop url for which access tokens to be generated.

8. Test Saferpay Fields Api Key

9. Test Saferpay Fields Api URL

6, 7: if not generated automatically , the details can be obtained from

Saferpay backend -> Settings -> Saferpay Field Access Tokens

10. Test Saferpay Fields JS URL

This is the Saferpay Fields Javascript library url. Do not edit this if are unaware of the functionality












11. Test Base URL

These fields already have default values of api base url. Do not edit this if are unaware of the functionality

Configuration



Scope: Default Config 

- GENERAL 
- CATALOG 
- SECURITY 
- CUSTOMERS 
- SALES** 
- Sales
- Sales Emails
- PDF Print-outs
- Tax
- Checkout
- Shipping Settings
- Multishipping Settings
- Delivery Methods
- Google API
- Payment Methods
- 3D Secure
- Safepay**
- Safepay Error Log
-  MAGEPAL 
- SERVICES 
- ADVANCED 
-  AMASTY EXTENSIONS 

General

Version [store view] 1.1.7

API Spec Version [store view] 1.34

Environment [store view]

Safepay Operation mode. If the test mode is selected the test account details is used. Otherwise the configured live account details is used.

Test Customer ID [store view]

The test customer id as given by theSafepay.

Test Terminal ID [store view]

The test terminal id as given by the Safepay.

Test JSON Username [store view]

The test JSON username given by the Safepay.

Test JSON API Password [store view]

The test JSON API password as given by Safepay.

[global]

Generate safepay field access token and url automatically [store view]

By enabling this, you can automatically create Access Tokens and Api Uri for the Safepay Fields.

Enter Shop Url [store view]

Enter your shop url for which access tokens to be generated.

Test Safepay Field Access Token [store view]

If not generated automatically, test safepay field access token can be found in the Safepay backend. Refer our installation guide for more details.

Test Safepay Field Api URL [store view]

If not generated automatically, Test Safepay Field Api URL can be found in the Safepay backend. Refer our installation guide for more details.

Test Safepay Field JS URL [store view]

Do not change the Safepay Field JS URL unless required. Refer our installation guide for more details.

Test Base URL [store view]

Base URL for Test system

Licence [store view]


Liability Shift Behavior [store view]

Manual Capture: Transactions with LiabilityShift false are not captured, but held inside the transaction overview, so the merchant can capture, or cancel them to his liking. Autocancel: Transactions with LiabilityShift false are cancelled automatically.

- STORES
- SYSTEM
- IND PARTNERS & EXTENSIONS
- CONTENT
- REPORTS
- AMASTY
- STORES
- SYSTEM
- IND PARTNERS & EXTENSIONS
- CONTENT
- REPORTS
- AMASTY
- STORES
- SYSTEM
- IND PARTNERS & EXTENSIONS
- CONTENT
- REPORTS
- AMASTY
- STORES

SERVICES

ADVANCED

 AMASTY EXTENSIONS

Check extra level of Authentication (store view)

Recommended for high risk businesses (Jewelry, Electronics, etc.) to stick to the highest level of security.

IF THE SAFERPAY_CVC, SAFE_PAY_CVC OR SAFE_PAY_CVC IS SET TO FALSE, THE MERCHANT CAN CAPTURE, OR CANCEL THEM TO HIS LIKING. AUTOCANCEL: TRANSACTIONS WITH LIABILITYSHIFT FALSE ARE CANCELLED AUTOMATICALLY.

Enable Fraud Intelligence Check (store view)

This protects merchants from fraudulent online transactions. Based on analysis a fraud prevention status is assigned to each transaction. Possible values: BLOCKED, APPROVED and MANUAL_REVIEW. Note:if set to 'yes', Please enable Fraud Intelligence module on your Safepay account.

Recurring SCA Challenge for PSD2 compliance (store view)

We highly recommend you to force SCA during an initial transaction, for Recurring Payments.

Recurring Customer Authentication Email Template (website)

Email Template to notify customer when recurring payment fails due to authentication error.

Re-enter CVC value when using saved cards for payment (store view)

If the customer pays using an already saved card (alias), this feature enables the card holder, to re-enter his CVC

Merchant email (store view)

Email addresses to which a confirmation email will be sent to the merchants after successful authorizations. (Applicable only for payment page authorization)

Order Description (store view)

Enter a human readable description that will be displayed in web sites.

CSS URL (store view)

Enter a valid CSS URL which is included in the payment page.This file must be hosted on a SSL/TLS secured web server (the url must start with https://) Example: https://merchanthost/merchant.css.

Payment Page Theme (store view)

Choose any theme to customize the appearance of safepay payment pages. If you don't want any styling use 'NONE'.

Safepay Configuration (store view)

Safepay Payment Page configurations is used to configure design and other details inside hosted pages. The configuration can be created from Safepay Backoffice ('Settings > PaymentPage Configuration').The configuration marked as 'default' will be used as the standard setting if none

Enable Log (website)

Email Template On cancellation of order (website)

iDeal Bank Configuration ☺

Fields from 2 to 9 may vary based on the operation mode opted. Data is available from Safepay Backoffice. To get access information for live environment you have to [request an offer here](#). To get access information to test account please follow this [link](#).

To get JSON API username and password you have to login to Safepay management interface and go to Settings -> JSON API basic authentication. Please refer

<https://www.six-payment-services.com/en/site/e-commerce-developer/integration.html> for more information

SIX Payment Services

Testuser Username (e401844001) | Logout

English

Batch Processing Transactions Risk Management Secure Card Data **Settings** Online Support

Settings

JSON API basic authentication

Customer ID: 401844

The entry has been saved successfully

HTTP Header:
Authorization: Basic QWV3XzcQwNTg0NF8wNTU3MDY1Mjphc2Rhc2Rhc2hd1YXNkMSFkZmZzZnNEZ3Mm

Note The password is no longer displayed after saving. Please note the password and keep it in a safe place. Maximum 10 logins can be created.

Username: APL_401844_28401787

Password

Description

Save

Create date Username Description

05.04.2018 17:18	APL_401844_05570652	Webshop 1
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AUTO CONFIGURE

Payment methods can be configured automatically by using the "Auto Configure" button. Before you auto configure make sure that all basic configurations are filled out. The available payment methods in your Saferpay customer account will be checked when you click auto configure button, and those payment methods will then be enabled. Afterward, you can go to Sales > Payment Methods and make the necessary changes if you want to disable any payments or modify any configurations.

12. Licence: Choose the Saferpay licence you own.

Saferpay has two licenses:

- Saferpay eCommerce

- Saferpay Business

In case you are using Saferpay Business without the corresponding license, the API will throw an error.

13. Liability Shift Behaviour

This field determines how to handle the transactions when Liability Check for card Fails. When using this functionality, the liability shifts to the authorizing bank and the store owner receives no claim for any chargeback if a fraudulent card is used on their website.

It has three options

- Manual Capture: Transactions with false LiabilityShift are not captured, but it gets authorized. Later the merchant can capture, or cancel the order as he wish.
- Autocancel: Transactions with false LiabilityShift are cancelled automatically.
- Auto Capture: Transactions with LiabilityShift false are captured automatically, if the capture type of payment method is also set to auto capture. If payment method capture type is "Manual Capture", the transaction will not captured, instead the transaction is made authorized so that merchant can manually capture or cancel his order.

14. Check extra level of Authentication

Recommended for high risk businesses (Jewellery, Electronics, etc.) to stick to the highest level of security.

15. Enable Fraud Intelligence Check

Fraud Intelligence feature protects merchants from fraudulent online transactions. Based on analysis a fraud prevention status is assigned to each transaction and merchant can review the transaction if necessary.

Possible values: BLOCKED, APPROVED and MANUAL_REVIEW.

Note: In order to use this feature, there must be a contract to use the Fraud Intelligence module in Saferpay and the the Fraud Intelligence settings should be activated in Saferpay Backoffice

Refer : <https://docs.saferpay.com/home/integration-guide/fraud-intelligence>

16. Recurring SCA challenge for PSD2 Compliance

Saferpay module is compatible with Amasty recurring module. This field is applicable only for orders with subscription products. It ensures the PSD2 compliance of the recurring payments done through Saferpay while Amasty extension is enabled.

17. Recurring Customer Authentication Email Template

There is a possibility for payment failure due to soft decline of cards during recurring transaction. During such scenarios this template is used to send email to customers notifying them about transaction error.

18. Re-enter CVC value when using saved cards for payment

This option is used to provide additional security when the customer uses saved cards for the checkout. While this option is enabled, it asks the cardholder to re-enter his CVC if he uses saved card for checkout, and hence the transaction would be fully secure and PCI compliant

19. Merchant email

Email addresses (Merchant email) to which a confirmation email need to be send after successful payment authorizations. (Applicable only for payment page authorization)

20. Order Description

A human readable description provided by the merchant that will be displayed in Payment Page.

21. CSS URL

Enter a valid CSS URL which is included in the payment page. This file must be hosted on an SSL/TLS secured web server (the url must start with https://) Example: <https://merchanthost/merchant.css>.

Refer <https://saferpay.github.io/sndbx/CssiFrame.html> for more details

22. Payment Page Theme

Choose the theme to customize the appearance of Saferpay payment pages. Per default a lightweight responsive styling will be applied.

23. Saferpay Configuration

Saferpay Payment Page configurations is used to configure design and other details inside hosted pages. The configuration can be created from Saferpay Backoffice ('Settings > PaymentPage Configuration'). The configuration marked as 'default' will be used as the standard setting if none

24. Enable Log

All the error details regarding a transaction will be logged to custom log if this option is enabled. Refer Log section for more information

25. Email Template on cancellation of order

There may be possibilities for cancelling authorized transaction due to failed 3Ds check. During such scenarios this template is used to send email to customers notifying them about payment cancellation.

26. GraphQL Support

GraphQL is indispensable for creating Magento PWAs. Saferpay Extension provides GraphQL support so that PWA developers and Mobile app developers can make use of it. This will work for Magento versions from 2.3.3 to 2.4.6 p3

PAYMENT METHOD SPECIFICS

Credit Cards - Refer <https://docs.saferpay.com/home/integration-guide/licences-and-interfaces/saferpay-fields>

Masterpass - Refer Masterpass is a Wallet-Solution introduced by Mastercard. Please refer <https://saferpay.github.io/sndbx/Masterpass.html>

TWINT – Refer <https://docs.saferpay.com/home/integration-guide/payment-methods/twint>

PayPal - Refer <https://docs.saferpay.com/home/integration-guide/payment-methods/paypal>

BillPay - Refer <https://saferpay.github.io/sndbx/BillPay.html>

Swiss Postcard /PostFinance - Refer <https://docs.saferpay.com/home/integration-guide/payment-methods/swiss-postcard-and-postfinance>

SOFORT - SOFORT is a third party means of payment by Klarna Group. Refer <https://docs.saferpay.com/home/integration-guide/payment-methods/sofort-by-klarna>

Klarna Payments - Klarna Payments is a 3rd party payment method, that is split into three ways of payment: Pay Now, Pay Later and Slice It/Financing. Refer <https://docs.saferpay.com/home/integration-guide/payment-methods/klarna-payments>

eps - Refer <https://docs.saferpay.com/home/integration-guide/payment-methods/eps>

paydirekt - Refer <https://docs.saferpay.com/home/integration-guide/payment-methods/paydirekt>

iDeal - Refer <https://docs.saferpay.com/home/integration-guide/payment-methods/ideal>

SEPA ELV - Refer <https://saferpay.github.io/sndbx/sepa.html>

ePrzelewy - Refer <https://docs.saferpay.com/home/integration-guide/payment-methods/eprzelewy>

Alipay - Refer <https://docs.saferpay.com/home/integration-guide/payment-methods/untitled-1>

Bancontact - Refer <https://docs.saferpay.com/home/integration-guide/payment-methods/bancontact>

Apple Pay - Refer <https://docs.saferpay.com/home/integration-guide/payment-methods/applepay>

Crypto Payments – Refer <https://docs.saferpay.com/home/integration-guide/payment-methods/crypto-payments> <https://saferpay.github.io/sndbx/crypto.html>

Google Pay - <https://docs.saferpay.com/home/integration-guide/payment-methods/google-pay>

PAYMENT METHOD SPECIFIC CONFIGURATION

Individual payment methods which come under Saferpay can be configured from System > Configuration > Sales > Payment Methods section. Not all payment will be in your contract so be careful while enabling payment methods.

Saferpay specific configuration are explained in detail.

1. Enabled

Enable or Disable payment methods

2. Title

The title displayed to the customer on the store front during checkout.

3. Description

Description for the payment

4. Payment from Applicable Countries

By default, it is set to All Allowed Countries.

5. Payment from Specific Countries

If you wish to accept payment from specific countries, you can select the countries in Payment from Specific Countries.

6. Accepted Currencies

Choose the currencies that can be processed with this payment. If no currency is selected payment will not be available even though it is enabled individually.

Some payments like Klarna may have country and currency restrictions. So be careful in choosing countries and ensure that these countries are activated in your Klarna payment settings in saferpay account also.

For Klarna to work properly, currency code should be in-line with country code Refer - <https://developers.klarna.com/documentation/klarna-payments/in-depth-knowledge/purchase-countries-currencies-locales/>

Klarna Simulator: Configure Saferpay Settings for Klarna ×

Pay now. Pay later. Financing.

User

Password

Environment Testing

Countries

- Austria
- Belgium
- Denmark
- Finland
- Germany
- Netherlands
- Norway
- Spain
- Sweden
- Switzerland
- United Kingdom

Saferpay Integration Guide Klarna

7. Use Base Currency

Defines whether Magento base currency should be used for processing the transaction. If this is enabled, only the payment methods that supports base currency will be listed during checkout.

⏪ Saferpay VISA

Enabled
[website] Yes

Title
[store view] Visa

Description
[store view] Pay with Visa

Payment from Applicable Countries
[website] All Allowed Countries

Payment from Specific Countries
[website]

- Afghanistan
- Albania
- Algeria
- American Samoa
- Andorra
- Angola
- Anguilla
- Antarctica
- Antigua & Barbuda

Accepted Currencies
[website]

- United Arab Emirates dirham (AED)
- Argentine peso (ARS)
- Australian dollar (AUD)
- Azerbaijani manat (AZN)
- Bulgarian lev (BGN)
- Bahraini dinar (BHD)
- Brazilian real (BRL)
- Belarusian ruble (BYN)
- Canadian dollar (CAD)
- Swiss franc (CHF)

Use Base Currency
[website] No

This currency will be used for Saferpay transactions.

Display Payment Id <small>[store view]</small>	<input type="text" value="Yes"/>	▼
	Display Payment ID in order	
Pre-authorize transaction <small>[website]</small>	<input type="text" value="No"/>	▼
	If pre-authorization is enabled always choose the Capture type as Manual	
Capture Type <small>[store view]</small>	<input type="text" value="Manual Capture"/>	▼
	Autocapture will capture the amount and generate invoice instantly after order completion while manual capture will reserve the amount.	
Authorisation Method <small>[store view]</small>	<input type="text" value="Payment Page"/>	▼
	This authorisation method is used for processing payment method.	
Invoice Generation <small>[store view]</small>	<input type="text" value="Manual"/>	▼
	Automatic option will generate invoice upon placing order based on capture status.	
Send Customer Address <small>[store view]</small>	<input type="text" value="Do not send address"/>	▼
	This option will send customer address to Saferpay.	
Display card holder name on saferpay <small>[store view]</small>	<input type="text" value="Yes"/>	▼
Send Customer confirmation email from Saferpay <small>[store view]</small>	<input type="text" value="No"/>	▼
	Email address to which a confirmation email will be sent to the customer after successful authorizations.(Applicable only for payment page authorization)	
Show Payment Icon <small>[store view]</small>	<input type="text" value="Yes"/>	▼
Minimum Order Total <small>[website]</small>	<input type="text"/>	
Maximum Order Total <small>[website]</small>	<input type="text"/>	
Sort Order <small>[website]</small>	<input type="text"/>	

8. Authorisation Method

Authorisation Method defines how the payment method is displayed and processed. Some payments support multiple authorisation methods while others support single.

- Payment page – During the order processing the user is redirected from the Magento shop to the Saferpay payment gateway to process the payment. On successful completion of the payment the user will be redirected back to the Magento shop. The Saferpay Payment Page Interface is intended for a simplified and universal integration of the payment process by using the PaymentPage payment form. The Saferpay Payment Page can be used both with a Saferpay eCommerce license and with a Saferpay business license. All Saferpay supported payment methods can be processed with the Payment Page Interface.
- Transaction Interface - During the order processing the user is served with Saferpay payment forms opened in a lightbox within the Magento shop. The Transaction Interface is an extension to Payment Page Interface. It offers the Hosted Entry Form (HEF) to process card payments seamlessly. This interface can also be used in combination with Secure Card Data to store/tokenize payment data during the payment process. The Transaction Interface is only for holders of a business licence on the live system
- Saferpay Fields - will be hosted on Saferpay-side and will offer you a level of flexibility and the possibilities, similar to using your own form. The data is captured by a fully PCI-certified system.

9. Capture Type

This indicates how payment provider should behave when order is created. There are two options:

- Autocapture: It will automatically capture the amount in the order.

- Manual capture: The payment will be authorized, but merchant will have to capture manually from shop Backend

10. Invoice Generation

This field determines when to generate invoice for the payments made through Saferpay if the capture type is set to Manual.

For automatic Captures invoice will be generated instantly after payment in paid state.

- Manual: Invoice should be generated manually by merchant from Magento Backend.
- Automatic: Invoice will be generated automatically upon payment authorize in pending state.

11. Send Invoice Email

If “send invoice” is enabled, invoice email is sent automatically after invoice capture.

12. Pre-Authorize Transaction

When set to true the transaction is processed as pre-authorization otherwise as final authorization. If pre-authorization is selected, the capture of the payment is prevented even though the capture type is “Autocapture “.

13. Show Payment Icon

When enabled, the payment brand icon will be shown in checkout page and order email.

14. Display Payment ID

This field determines whether transaction Id of the payment should be displayed in order confirmation page and order email.

15. Send Customer Address

This option will send customer address to Saferpay.

16. Display card holder name on Saferpay

This parameter let you customize the holder name field on the card entry form. Per default, a mandatory holder name field is shown.

17. Register alias and use during checkout

By enabling this, the customer can register cards and use it for future payments. Card details will be stored in Saferpay. This option is available only for Transaction Interface Authorisation method.

18. Send Customer confirmation email from Saferpay

Confirmation email will be sent to the customer after successful authorizations from Saferpay (Applicable only for payment page authorization)

19. Minimum Order Total

Using this field merchant can set a minimum order limit. If the grand total of the order is less than the Minimum Order Total value, the payment cannot be processed through the payment method.

20. Maximum Order Total

You can specify the maximum amount for the transaction that can be processed through this payment method.

21. Sort Order

This option is for sorting the payment methods to display in the checkout page.

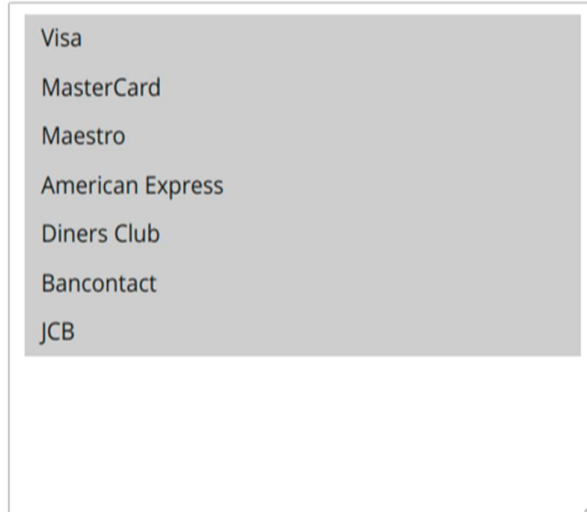
Once you have configured Saferpay payment method, review all the settings carefully. If everything is fine, click Save Config button at the top right corner.

22. Payment Brands

This configuration is available only for Credit Card and Apple Pay payments. It enables the merchant to choose the payment brands which will be accepted by these payments. By default, all brands are selected.

The selected brands will be accepted only if it supports the currency opted for Saferpay transactions.

Payment Brands
[store view]



- Visa
- MasterCard
- Maestro
- American Express
- Diners Club
- Bancontact
- JCB

23.

Saferpay Fields CSS URL

Configuration specific to Credit Card payment. It defines the url to an external CSS, to be applied to Saferpay Fields if the merchant wants to customize the existing design.

Saferpay Fields CSS URL
[store view]

This css url will be used to style Saferpay Fields. You can enter your custom designs here if you want to change default design. This file must be hosted on a SSL/TLS secured web server (the url must start with https://) Example: https://merchanthost/merchant.css.

24. Pre-Select issuer bank account

iDEAL Payment allows the customers to pre-select the issuer bank from Magento itself. The customer will be redirected directly to the selected bank and thus skipping the bank selection page during payment process.



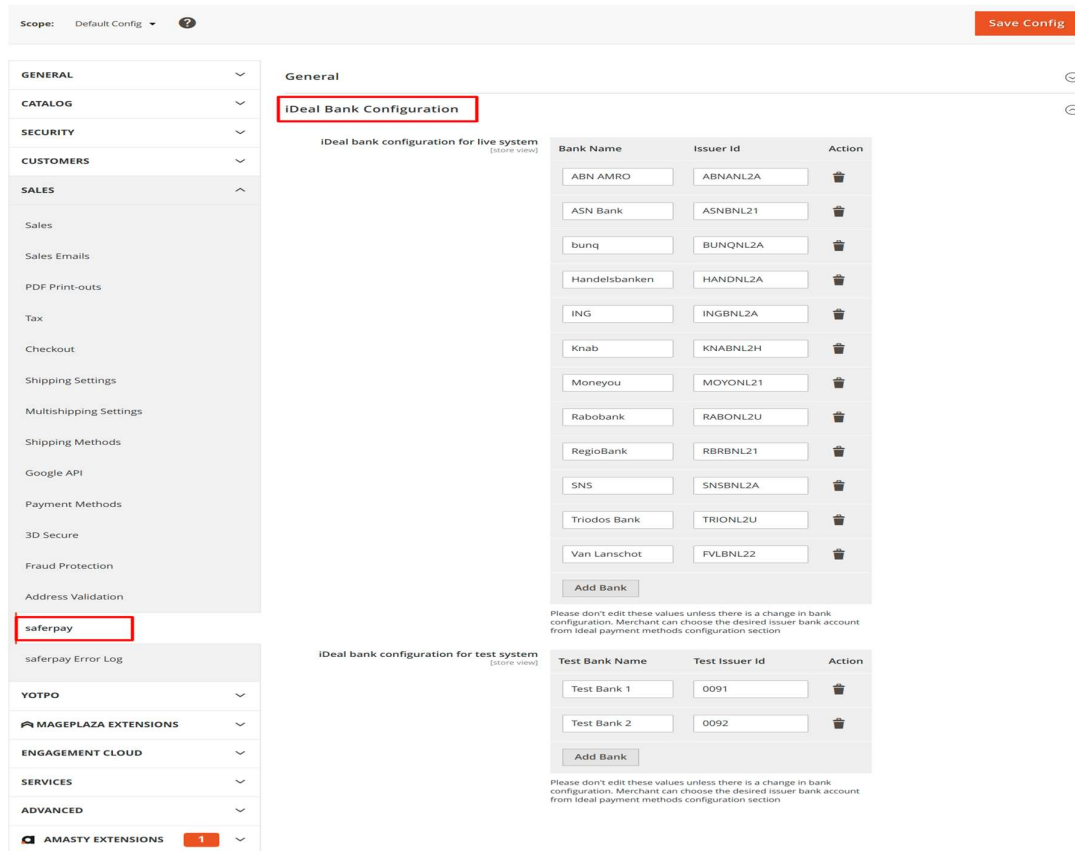
Pay with iDEAL

Issuer Bank *

Place Order

Attention: These Values are issued by iDeal, please check <https://saferpay.github.io/sndbx/ideal.html>. We have added option to add more bank when Saferpay support more banks in future.

We have provided an interface to edit/add the bank name and issuer Id if needed. You can configure it from the section Admin Panel > Stores > Configuration > Sales > Saferpay > iDeal Bank Configuration section.



The screenshot shows the 'iDeal Bank Configuration' section in the Saferpay Admin Panel. The left sidebar contains a navigation menu with categories like GENERAL, CATALOG, SECURITY, CUSTOMERS, SALES, and AMASTY EXTENSIONS. The 'SALES' category is expanded, and 'saferpay' is selected. The main content area is titled 'General' and contains two tables for bank configuration.

iDeal bank configuration for live system

Bank Name	Issuer Id	Action
ABN AMRO	ABNANL2A	
ASN Bank	ASNBNL21	
bunq	BUNQNL2A	
Handelsbanken	HANDNL2A	
ING	INGBNL2A	
Knab	KNABNL2H	
Moneyou	MOYONL21	
Rabobank	RABONL2U	
RegioBank	RBRBNL21	
SNS	SNSBNL2A	
Triodos Bank	TRIONL2U	
Van Lanschot	FVLBNL22	

iDeal bank configuration for test system

Test Bank Name	Test Issuer Id	Action
Test Bank 1	0091	
Test Bank 2	0092	

Buttons for 'Add Bank' are present below each table. A warning message states: 'Please don't edit these values unless there is a change in bank configuration. Merchant can choose the desired issuer bank account from ideal payment methods configuration section.'

Once you have configured Saferpay payment method, review all the settings carefully. If everything is fine, click Save Config button at the top right corner.

Allow customer to pre-select iDeal issuer bank [website]

If specified, user can choose their issuer bank before placing order and will be redirected directly to the selected issuer bank.

This preselect feature can be enable/disable from ideal backend configuration.

SAFERPAY FEATURES

DESIGN CUSTOMIZATION

If you want to customize the default design of Saferpay interface, Saferpay provides the following options

1. CSS-Styling

The CSS styling-options can be used over following methods.

- Payment page
- Transaction Interface
- Alias Insert

Note: The CSS file that is referenced by the CssUrl parameter must be stored on a web server that supports HTTPS.

Refer <https://saferpay.github.io/sndbx/CssiFrame.html#css-usecss> for detailed information

2. Theme

This parameter let you customize the appearance of the displayed payment pages. Per default a lightweight responsive styling will be applied. If you don't want any styling use 'NONE'.

3. Payment Page Configuration

You can create different PP configurations to be applied over Transaction initialize and PaymentPage Initialize. The configuration itself can be created inside the Saferpay Backend under “Settings > Payment Page Configuration”.

Note: If a custom CSS is provided, any design related settings set in the payment page config (PPConfig) will be ignored and the default design will be used.

ORDER MANAGEMENT

CAPTURE PAYMENT

If in the payment configuration “Capture type” is set to “Automatic”, merchant don’t need to do anything from Magento backend. Payments will be captured automatically by the system and no adjustments is possible for created invoice.

When the “Capture type” is set to “Manual”, merchant will have to capture payments manually through backend.

In order to create invoice, follow these steps

1. Open the order you want to create invoice
2. Click on the invoice option in header of the sales order
3. Ensure that Capture Online is selected at the bottom of the Invoice
4. Click Submit Invoice. If successful, an invoice will be created.

Invoice Totals

Subtotal	CHF305.11
Shipping & Handling	CHF10.00
Grand Total	CHF315.11

Amount

Append Comments

Email Copy of Invoice

Submit Invoice

If the Capture type is set to Manual and Invoice generation to Automatic, then invoice will be created in pending state. All you need to do is to capture that invoice.

MULTIPART CAPTURE

Safepay offers the option to do Partial Captures on transactions made with only certain payment methods. Magento supports multiple invoices for an order and each invoice can be captured separately. Please note that magento doesn't support multiple capture of a single invoice.

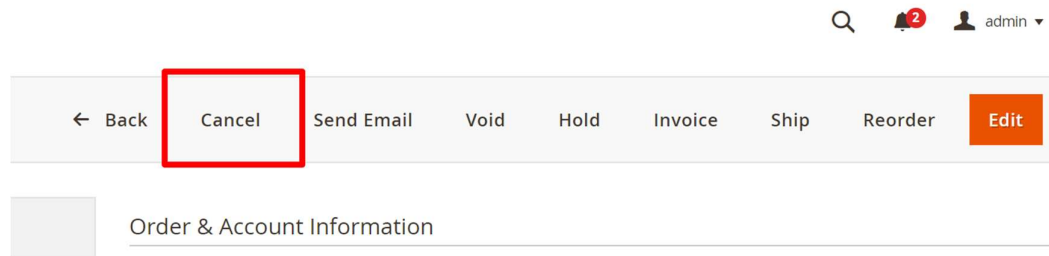
Multipart capture can be used over following methods

- Visa
- Mastercard
- Maestro
- PayPal

CANCEL PAYMENT

Only authorized, but not captured orders can be cancelled. Cancellation of an order prevents any future change from being made to it.

In order to cancel an order, click on the Cancel option in header of the sales order.



VOID PAYMENT

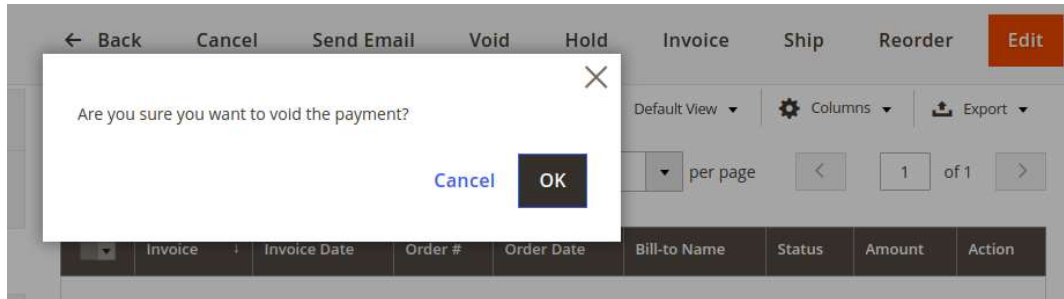
Authorized transaction can be cancelled by issuing a void in Magento. It will initiate money flow to the card holder by cancelling the transaction and prevent any further online transaction process for that order.

Note: Captured transaction cannot be cancelled but can be refunded.

To Void payment, follow the below steps

1. Go to Sales -> Orders and open the order you want to cancellation
2. Click on the Void option in header of the sales order and confirm the Void

3. Confirm the transaction and if successful it gets cancelled



REFUND PAYMENT

Captured transactions can be refunded. Multiple refunds are possible on each invoice.

In order to refund payment, follow these steps

1. Open the order and navigate to invoice section
2. Select the invoice that you would like to refund and enter the invoice page by clicking View
3. Click on Credit Memo option in the invoice page
4. Adjust the item to refund by editing "Items to refunds" section
5. Edit the Refund Totals Section to adjust the amount to refund. It is not possible to refund more than the total order amount.
6. Click the Refund button at the bottom of the page.
7. If successful, credit memo will be issued.

Note: Online credits can only be issued only from the invoice page in Magento, and not from the Order page.

Items to Refund

Product	Price	Qty	Return to Stock	Qty to Refund	Subtotal	Tax Amount	Discount Amount	Row Total
Simple product 2 SKU: Simple product 2	CHF205.11	Ordered 1 Invoiced 1	<input type="checkbox"/>	<input type="text" value="1"/>	CHF205.11	CHF0.00	CHF0.00	CHF205.11
Simple Product SKU: Simple Product	CHF100.00	Ordered 1 Invoiced 1	<input type="checkbox"/>	<input type="text" value="1"/>	CHF100.00	CHF0.00	CHF0.00	CHF100.00

Order Total

Credit Memo Comments

Comment Text

Refund Totals

Subtotal	CHF305.11
Refund Shipping	<input type="text" value="10"/>
Adjustment Refund	<input type="text" value="0"/>
Adjustment Fee	<input type="text" value="0"/>
Grand Total	CHF315.11

Append Comments

Email Copy of Credit Memo

TRANSACTION OVERVIEW

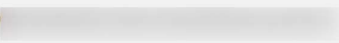
Transaction overview section provides overview for an order at a glance. This section contains information about sales transaction, 3Ds check and card

Payment & Shipping Method

Payment Information



Applepay

Payment Method	VISA
Authorization Method	PaymentPage
Transaction Mode	test
Transaction authorised	Yes
Authorization Amount	315.11
Currency	CHF
Payment ID	
Overall Liability Shift	Authenticated
3Ds Authentication	Authenticated
Captured Amount	315.11
Transaction Captured	Yes
Payment Method Name	VISA
Card Number	xxxx xxxx xxxx 0001
Card Expiry	2022
Card Country	CH
Acquirer Reference	95370771770

Mar 30, 2020 6:17:50 PM | AUTHORIZED
Gfbb9EA8Cd5KvAOQhE0zArp4x9vb
The amount of 315.11 is authorized

Mar 30, 2020 9:45:07 PM | CAPTURED
Kh99zfbIA4G9UACGlrh7A2W1kt7b_c
The amount of 315.11 is captured

The order was placed using CHF.

In case of payment failure this section will provide the error details if available from API response

Payment & Shipping Method

Payment Information

VISA

Visa

Authorization Method	Iframe
Transaction Mode	test
Transaction authorised	No

Aug 14, 2020 12:26:31 PM | TRANSACTION FAILED
Transaction failed

```
{
  "ResponseHeader": {
    "SpecVersion": "1.17",
    "RequestId": "AqUgwjEpWM6eelYDKbq2VThvDq5kAIMTP2r"
  },
  "Behavior": "ABORT",
  "ErrorName": "3DS_AUTHENTICATION_FAILED",
  "ErrorMessage": "3D-Secure authentication failed"
}
```

The order was placed using EUR.

ALIAS MANAGER

Alias Manager allows your customer to save the credit card information and to reuse the saved information for future payments.

Safepay Secure Card Data, or SCD for short, is a service for saving sensitive payment means information in the certified Safepay data center. By using SCD, the payment

data is separated from the merchant application and no longer comes into contact with it. The stored secure Card data can be referred from future payments initiated via “Transaction” interface.

This feature is available for payment methods that supports secure card data. Sensitive payment data is stored only in certified Saferpay data centre. If the settings, **“Register alias and use during checkout”** is enabled, logged in customers can save and use their card for future transactions.



In addition to this, customer can manage the saved cards from his customer account.

- My Account
- My Orders
- My Downloadable Products
- My Wish List

- Address Book
- Account Information
- Stored Payment Methods

- My Product Reviews
- Newsletter Subscriptions
- My Subscriptions
- Saved Cards

Saved Cards

Card Number	Payment Method	3-D Secure Checked	Action
xxxx xxxx xxxx 0004	VISA	No	Edit expiry date Delete
xxxx xxxx xxxx 0001	VISA	Yes	Edit expiry date Delete
xxxx xxxx xxxx 0000	MasterCard	No	Edit expiry date Delete
xxxx xxxx xxxx 0005	MasterCard	Yes	Edit expiry date Delete
xxxx xxxx xxxx 0004	VISA	No	Edit expiry date Delete
xxxx xxxx xxxx 0007	Bonus Card	Yes	Edit expiry date Delete

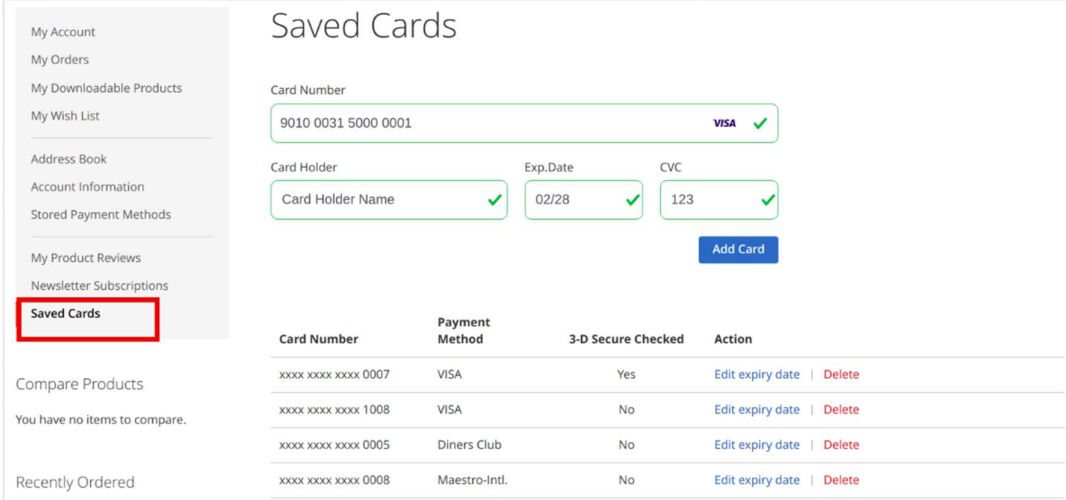
[Add Card](#)

A new tab “Saved Cards” is added in the My Account page of Magento from which customers can add, update and delete cards from his account.

Customer can add below types of payment means to customer account

- 1) Cards
- 2) Twint – Saved card data is used only for recurring payments
- 3) Postfinance - Saved card data is used only for recurring payments

Customer can enter and submit the card data in Saferpay hosted card entry form from the account page. If additional security check is required so as to perform actions like 3D Secure and/or DCC, a Saferpay page will be opened in Lightbox



Card

Card Number	Payment Method	3-D Secure Checked	Action
xxxx xxxx xxxx 0007	VISA	Yes	Edit expiry date Delete
xxxx xxxx xxxx 1008	VISA	No	Edit expiry date Delete
xxxx xxxx xxxx 0005	Diners Club	No	Edit expiry date Delete
xxxx xxxx xxxx 0008	Maestro-Intl.	No	Edit expiry date Delete

Number – Displays the masked credit card number provided by Saferpay

Payment Method – Saved card type.

3-D Secure Checked – For some cards like Saferpay do 3D secure check while adding cards. Such cards can be identified from here. Please note that only 3D secured cards can be used for recurring payments if the general settings “**Recurring SCA challenge for PSD2 Compliance**” is enabled.

Customers have the option to update the expiry date of the card that is already saved.

BACKEND ORDERS

Saferpay payment methods can be used for creating orders from Magento backend. The payments can be processed only through Transaction Interface. So please be careful about the authorization method you opted for corresponding payments.

Follow below steps to create order using backend

1. Go to Admin Panel > Sales > Orders and press the Create New Order button.
2. Choose the customer you want to create the order for.
3. Once you've selected a customer you need to choose which store view you want the order to be created on.
4. Add products to order
5. Enter Customer Address Information
6. Choose the payment and shipping methods

You will be redirected to payment gateway after submitting order

Payment & Shipping Information

Payment Method

- Diners
- Jcb
- American Express
- Mastercard
- Check / Money order
- Visa



You will be redirected to payment form after submitting order

Shipping Method *

Flat Rate

- Fixed - CHF5.00

7. After reviewing the order click on "Submit Order" button.

8. The browser is redirected to the payment gateway. The merchant proceeds to payment by filling in the card details transmitted by the buyer and completes the transaction

9. After successful payment the browser is redirected to the order detail page.

CRON FOR CLEARING ABANDONED ORDERS

When the buyer has not completed the payment and the payment session has expired the order will be in “pending payment” state. A cron is automatically setup for clearing those orders.

As for all the other extensions, make sure you have configured and activated the job scheduler (crontab) as explained in the Magento documentation:

<http://devdocs.magento.com/guides/v2.0/config-guide/cli/config-cli-subcommands-cron.html>

ERROR LOGS

Error Log section provides information about transactions performed by Saferpay that could not be completed successfully.

Error details provided by payment gateway will be logged and displayed under System > Configuration > Sales > Saferpay Error Log section.

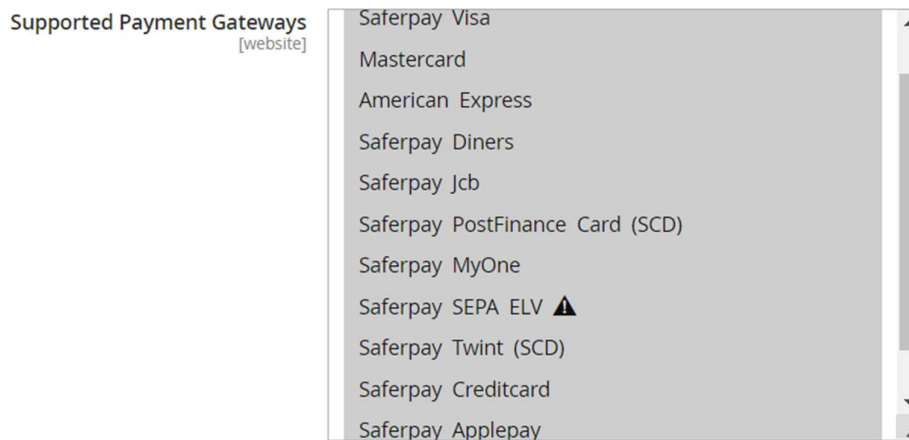
RECURRING PAYMENT MODULE

COMPATIBILITY WITH AMASTY RECURRING PAYMENT EXTENSION

This extension offers subscriptions alongside regular products to trigger long-term repeat sales. It allows customers to simultaneously purchase both regular products and subscriptions.

Please refer https://amasty.com/docs/doku.php?id=magento_2:subscriptions-recurring-payments for more information about the extension.

We have implemented Saferpay Magento module to be compatible with the Amasty Recurring payment extension version 1.6.13. After installing the Saferpay and Amasty recurring payment module, all of the Saferpay payment methods will get listed in the Amasty Recurring supported payment gateway list. Only the selected payment methods will be listed in the checkout page for subscription orders.



If your customer adds any subscription product to the cart, only gateway specific payment methods will be available at checkout. Make sure selected payment gateways are properly configured by going to [Stores > Configuration > Sales > Payment Methods](#).

The following Saferpay payment methods are supported for subscription orders.

1. VISA
2. MASTERCARD
- 3 AMERICAN EXPRESS
4. DINERS
5. JCB
6. BONUS CARD
7. MYONE
8. CREDIT CARD (SAFERPAY FIELDS)
9. Apple Pay
10. Google Pay
11. Postfinance Card – Payment possible only if saved card data available
12. Twint – Payment possible only if saved card data available

The child subscription orders are created through amasty cronjob. The cronjob is executed every minute and new subscription orders are placed when the scheduled time arrives. If the subscription payment fails, then the subscription gets cancelled. In case of payment failure due to Soft Decline, a mail will be send to customer notifying about the authentication error.

The payment details are saved in the Saferpay account and not managed inside Magento, thus Saferpay module provides complete security of the sensitive payment details of the customers.

LIMITATIONS IDENTIFIED WITH THE AMASTY EXTENSION

Limitation 1: Cannot place the order when the order total is zero

Steps to Reproduce:

- 1] Access shop backend
- 2] Navigate to Stores > configuration > sales > amasty extension
- 3] Enable free shipping for subscription products, Free trial is enabled and charge initial fee is NO
- 4] Ensure that payment method "ZERO SUBTOTAL CHECKOUT" is enabled
- 5] Try to create an order with a subscription product
- 6] Observe that user cannot place the order when the order total is zero

Limitation 2: On creating an order with Grouped subscription product, the order is created as normal order instead of the subscription

Steps to Reproduce:

- 1] Access the shop as a customer.
- 2] Navigate to the grouped product, ensure subscription is enabled for the same.
- 3] Add to cart & proceed the order.
- 4] Complete order creation
- 5] Check the customer account page.
- 6] The order is not listed @ "My subscription" in the customer account page

Limitation 3: Initial subscription fee for subscription orders with a configurable product or bundle products is wrong

Steps to Reproduce:

- 1] Enable Initial subscription fee.
- 2] Create a subscription order with a configurable product or bundle products
- 3] Observe the initial fee subscription in the total summary of the cart page

Limitation 4: Initial subscription fee is displayed in all subscription mails even though this is not valid for the further subscription orders

Steps to Reproduce:

- 1] Enable Initial subscription fee.
- 2] Create a subscription order.
- 3] Observe the subscription mail of the second subscription and further subscription orders.
- 4] The initial fee is displayed in the mail even though it is not valid.

API SPEC VERSION UPDATES

1.19 to 1.23

- Crypto payments integration in the Saferpay Payment Page
- Added Klarna Payments support for Italy and France
- New currencies for SOFORT-PLN, HUF und CZK added
- New logo updated for Bancontact and iDeal payments
- EPS Refunds supported
- Removed Bonus Card payment

1.23 to 1.24

- Implementation of refunds of crypto payments
- Soft decline handling of recurring transaction
- Management API: Added configuration in Magento backend to create Saferpay Fields access tokens via API
- Added notification URLs in Transaction/Initialize
- Support for Fraud intelligence business
- Pre-authorizations and multipart-captures for additional brands (American Express, Diners Club International / Discover Card, JCB)

- Klarna Payments: Support for extended merchant data
- SuccessNotifyUrl and FailNotifyUrl in PaymentPage/Initialize
- Supports additional payment page language (Bulgarian and Icelandic)
- Saferpay Fields improvements

1.25 to 1.28

- Integrated Google Pay payment method in Payment page and Transaction interface
- Integrated Apple Pay in Transaction interface
- Added option to save and use alias card for Google Pay payment in Transaction Interface
- Added option to save and use alias card for Apple Pay payment in Transaction Interface
- Integrated Fraud Intelligence Device Fingerprinting for more accurate fraud check
- Showed Markup and ExchangeRate values of DCC in backend order view section
- Showed Paypal customer email data in backend order view section
- Prevent API-refunds exceeding captured amount
- Management API: Added validation check to each payment while enabling saferpay payment method from Magento backend. This checks whether the specific payment is activated in saferpay terminal or not
- Management API: Retrieved logo URLs of available Payment Methods and displayed in the checkout payment section.

1.29 to 1.30

- Klarna Payments improvements payments
- iDEAL issuer preselection change- remove Handelsbanken from the list of iDEAL issuers

Recurring

- Integrated Apple Pay and Google Pay payment methods for recurring payments
- Integrated Twint and Postfinance cards for recurring payments via Direct authorization. Payment possible only if saved card data is available in customer account
- Removed Maestro and Bancontact payments from recurring payments

1.31 to 1.34

- "Auto Configure" option is added in Saferpay General Configuration to automatically configure available payments.
- Changes in Return url for Payment page, Transaction page, and Saferpay field transactions.
- Added NotifyUrl to the SecureCardData/AliasInsert request.
- Removed Fraud Intelligence changes: DeviceFingerprint was removed from all versions.
- Removed UNIONPAY as valid value from field PaymentMethods in SecureCardData/AliasInsert requests.

1.35

- Add CARD as value from field PaymentMethod in PaymentPage/Initialize requests, created as new payment method "Creditcard/Debitcard"
- Added CustomerLicense method to Saferpay Management API
- Removed CustomerLicenseConfiguration method from Saferpay Management API.
- Added container notification to Transaction/Initialize and Transaction/AuthorizeReference.
- API parameter was added for DCC emails to be sent if DCC was used.

Recurring

- enabled new payment method "Creditcard/Debitcard" for recurring payments.

1.36 to 1.38

- Worldline Crypto Payments in EUR - supports the payment method Worldline Crypto Payments in EUR for Belgium and Luxembourg.
- Removed UNIONPAY as valid value from field Payment Methods in Transaction/Initialize requests.
- Added new payment method PostFinance Pay, which will be the successor of PostFinance E-Finance & Card.
- Updated to newest version of the Prezelewy24, removed cancellation feature.
- Updated to new version of giropay.
- Added new the payment method ACCOUNTTOACCOUNT