Integrate Systempay on Magento 2

Document version 2.9

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1. RELEASE NOTES

To follow all the evolutions of the payment module, click on the link below and select **Version History**:

https://paiement.systempay.fr/doc/en-EN/plugins/#magento

This information is also available from the payment module:

1. Download the module from our online documentation archive.
2. Open the previously downloaded payment module.
3. Open the **CHANGELOG.md** file.

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2. MODULE FEATURES

Payment types	
Immediate payment	✔
Deferred payment	✔
Payment in installments	✔
Payment by token*	✔
Payment by wallet*	✔

Bank card data entry	
Redirection	✔
I-frame	✔
Embedded payment (classic)*	✔
Embedded payment (smartForm)*	✔
Web Service*	✔

Payment operations via Magento	
Cancellation*	✔
Refund*	✔
Modification*	✔
Validation*	✔
Duplication*	✘

Compatibility with Magento	
Magento 2	✔
Magento 1	✘
Multi-view mode	✔
Multi-shop mode	✔

Payment module	
Multi language	✔
Multi currency	✔
Custom submodule	✔
Automatic redirection at the end of payment	✔
Custom 3DS*	✔

*Functionalities subject to an option.

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3. PREREQUISITES

Before you proceed to integrating the payment module, make sure you have access to the:

- **Back Office Magento**
- **Merchant Back Office**
- **Payment module file**: Systempay_Magento_2.x_v2.9.x.zip

Magento Back Office:

Sign in via your website's Back Office, the URL should look like this:

https://your-domain.com/admin/

Reach out to your technical service if you cannot sign in.

Merchant Back Office:

Reminder, your Merchant Back Office is available at this address:

https://paiement.systempay.fr/vads-merchant/

Payment module:

Download the module using the following URL:

https://paiement.systempay.fr/doc/en-EN/plugins/#magento

WARNING: All our payment modules are tested with a minimal PHP version, this version can bee seen in our online documentation archive.

If you have an older version, we invite you to contact the technical manager in charge of your site so that he updates the PHP version of the server. Thus, our support service will be able to assist you if you encounter a problem with our module.

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4. INSTALLING THE PAYMENT MODULE

The Systempay payment module is installed via Magento **Module Manager** (or **Component Manager**, depending on the version).

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

4.1. Update via FTP

1. Save your shop ID as well as the keys present in the administration interface of the module.
2. Using a FTP client, change to the Systempay module installation directory.
   The module is installed either in **/app/code/Lyranetwork/** or in **/app/code/Lyra/** if you have installed a version older than 2.1.1.
3. Delete the installation directory and all the sub-folders.
4. See the next chapter to proceed to the installation of the new version.

4.2. Installation via FTP

1. Create a folder **Lyranetwork** in app/code.
2. Create a sub-folder **Systempay** in app/code/Lyranetwork.
3. Transfer the files from the Systempay_Magento_2.x_v2.9.x.zip archive to app/code/Lyranetwork/Systempay with the help of an FTP client or via command prompt.
4. Empty Magento cache via the administration panel (**System** > **Cache Management**).
5. Proceed to module activation.

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4.2.1. Activation from command-line interface

Before you begin, make sure you have read the Magento documentation:

http://devdocs.magento.com/guides/v2.0/config-guide/cli/config-cli.html

1. Start the command interpreter (BASH shell).

2. Change to your Magento installation directory

```
cd <your Magento install dir>
```

3. Enable the module:

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

4. Start the update of the database:

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

5. Generate and pre-compile classes:

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

6. 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.
Example: **fr_FR** for French, **en_GB** for English.

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5. CHOOSING THE INTEGRATION TYPE

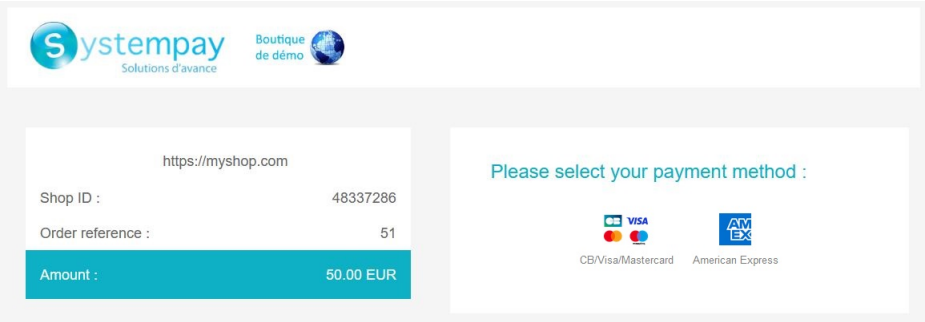
Via the **Back Office Magento**:

1. Go to **Shops** > **Configuration**.
2. Click on **SALES** > **Payment methods**..
3. Click on **Systempay - Standard payment**.
4. Search for the **Entry mode for payment method data** parameter and select the desired integration type.

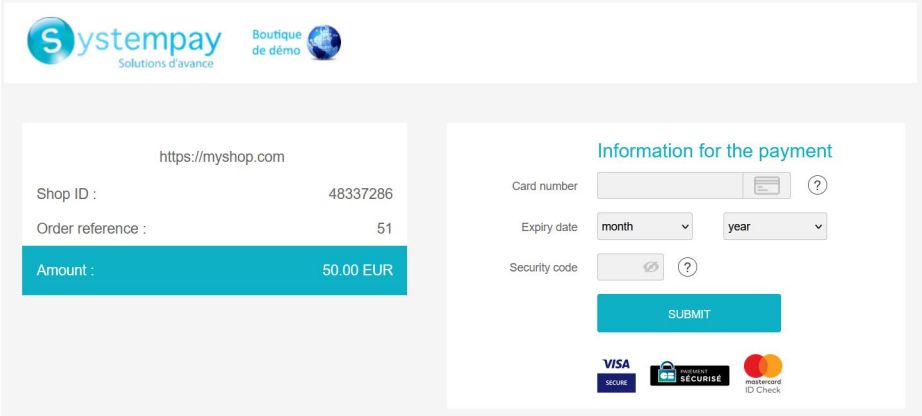
   The different modes are described below.

5.1. Bank data acquisition on the payment gateway

The buyer is redirected to the Systempay payment page to select their preferred payment method:



After choosing the payment method, the buyer is prompted to enter their bank details:



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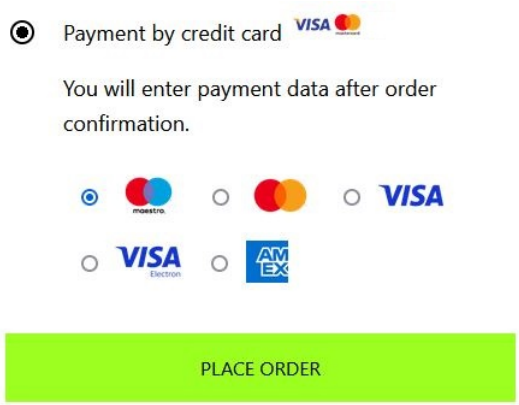
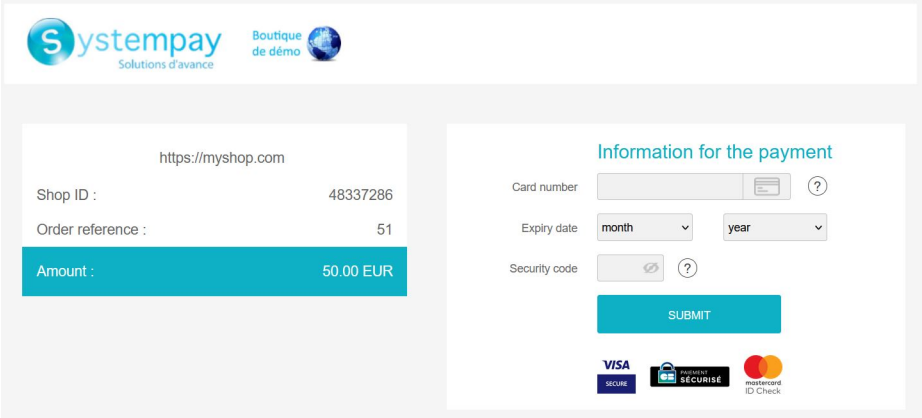
5.2. Card type selection on the merchant website

The card type is selected on the merchant website:



The list of available payment methods depends on the configuration of the **Card types** parameter (Standard payment).

The buyer will then be redirected to the Systempay payment page to enter their bank details:



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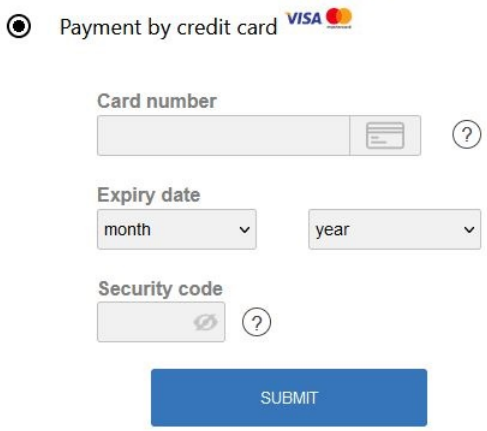
5.3. Payment page integrated into the checkout flow (iframe mode)

This feature allows the integration of the Systempay payment page via a tunnel on your merchant website:

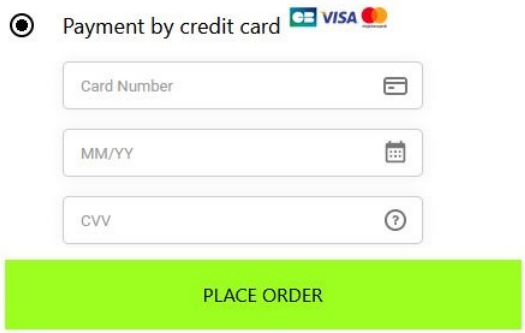


WARNING: Some payment methods are not compatible with integration by iframe. For more information, see this documentation.

5.4. Payment fields embedded on the merchant website (REST API)

WARNING: This integration type is only compatible with card payments. If you would like to use the REST API, we strongly advise you to use the Smartform.

This option enables the integration of embedded payment fields (card number, expiry date, cvv) on your merchant website.



You must subscribe to the **REST API (Use of REST payment API)** option to use this solution.

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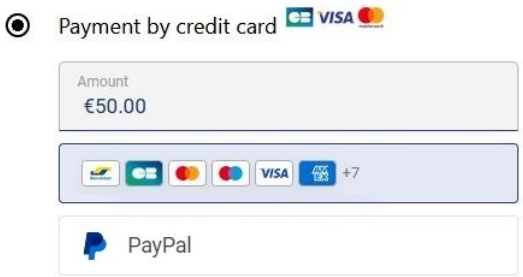
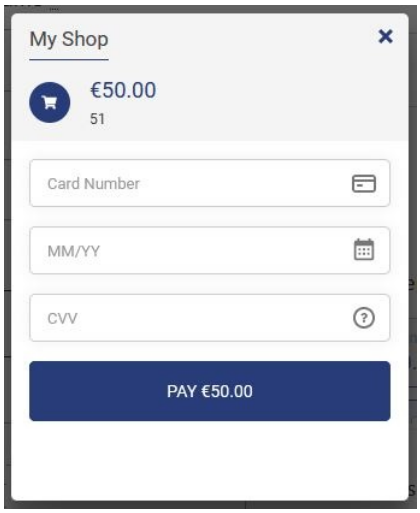
5.5. Smartform embedded on the merchant website (REST API)

This mode lists the card payment button and those of compatible payment methods.



Click this link to see the payment methods compatible with the Smartform.

The buyer will then be prompted to enter their bank details via a pop-in:



You must sign up for the **REST API (use of REST payment API)** option to be able to use this solution.

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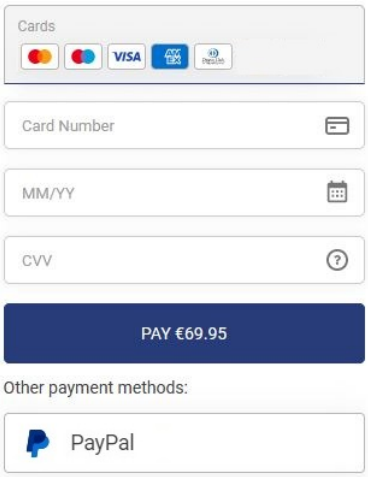
5.6. Extended Smartform embedded on the merchant website with logos (API REST)

This mode displays embedded fields with compatible logos for card payment, and other compatible payment methods.



Click this link to see the payment methods compatible with the Smartform.

You must sign up for the **REST API (use of REST payment API)** option to be able to use this solution.

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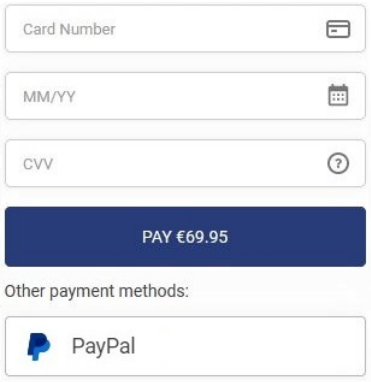
5.7. Extended Smartform embedded on the merchant website without logos (REST API)

This mode displays embedded fields without compatible logos for card payment, and other compatible payment methods.



Click this link to see the payment methods compatible with the Smartform.

You must sign up for the **REST API (use of REST payment API)** option to be able to use this solution.

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6. QUICK MODULE CONFIGURATION

This chapter will help you configure and quickly make your shop go into PRODUCTION.

If you would like to obtain more details on module configuration, see chapter **Detailed parameters of the payment module**.

NOTE: An FAQ is available in our online documentation archive, it presents the most frequently asked questions and is regularly updated. The FAQ module is available via the link - below in the **CMS** section > **Magento 2.x**:

https://paiement.systempay.fr/doc/fr-FR/faq/faq-homepage.html

6.1. Knowing your integration

First of all, you must know the integration type you have chosen.

This information is available via the payment module configuration: **Standard payment** > **Entry mode for payment method data**.

See the **Integrating the redirection** chapter if you have chosen one of the integrations below:

- Bank data acquisition on the payment gateway.
- Card type selection on the merchant website.
- Payment page integrated into the checkout flow (iframe mode).

See the **Integrating the embedded payment** chapter if you have chosen one of the integrations below:

- Payment fields embedded on the merchant website (REST API).
- Smartform embedded on the merchant website (REST API).
- Extended Smartform embedded on the merchant website with logos (API REST).
- Extended Smartform embedded on the merchant website without logos (REST API).

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6.2. Integrating the redirection

6.2.1. Configuring the shop

1. Sign in to your **Systempay Merchant Back Office** with your identifiers:
   https://paiement.systempay.fr/vads-merchant/
2. Go to **Settings** > **Shop**.
3. Click the **Keys** tab.
4. Copy your **Shop ID**.
5. Sign in to your **Magento Back Office**.
6. Go to **Shops** > **Configuration**.
7. Click on **SALES** > **Payment methods**..
8. Click **Systempay - General configuration**.
9. Paste your **Shop ID** to the **Access to the payment gateway**.
10. Return to the **Merchant Back Office**.
11. Copy your **Test key**.
12. Return to the **Magento Back Office**.
13. Paste your **Test key** to the **Access to the payment gateway**.
14. If you are updating the module, you can also paste the Production key and then set the Mode to PRODUCTION.
15. Click **Save**.

6.2.2. Configuring the Instant Payment Notification URL

1. Sign in to your **Magento Back Office**.
2. Go to **Shops** > **Configuration**.
3. Click on **SALES** > **Payment methods**..
4. Click **Systempay - General configuration**.
5. Search for **ACCESS TO THE PAYMENT GATEWAY**.
6. Copy the URL from the **Instant Payment Notification URL** parameter.
7. Sign in to the **Merchant Back Office Systempay**: https://paiement.systempay.fr/vads-merchant/.
8. Go to **Settings** > **Notification rules**.
9. Double click **IPN URL at the end of payment**.
10. Check the **Automatic retry in case of failure** box.
11. Search for the **Instant Payment Notification URL of the API form V1, V2** section.
12. Paste the previously copied URL to **URL to call in TEST mode** and **URL to call in PRODUCTION mode**.
    If the production URL is different from your test URL, specify it in order to not forget it later. Your URL should look like this:
    https://www.your-domain.com/systempay/payment/check/

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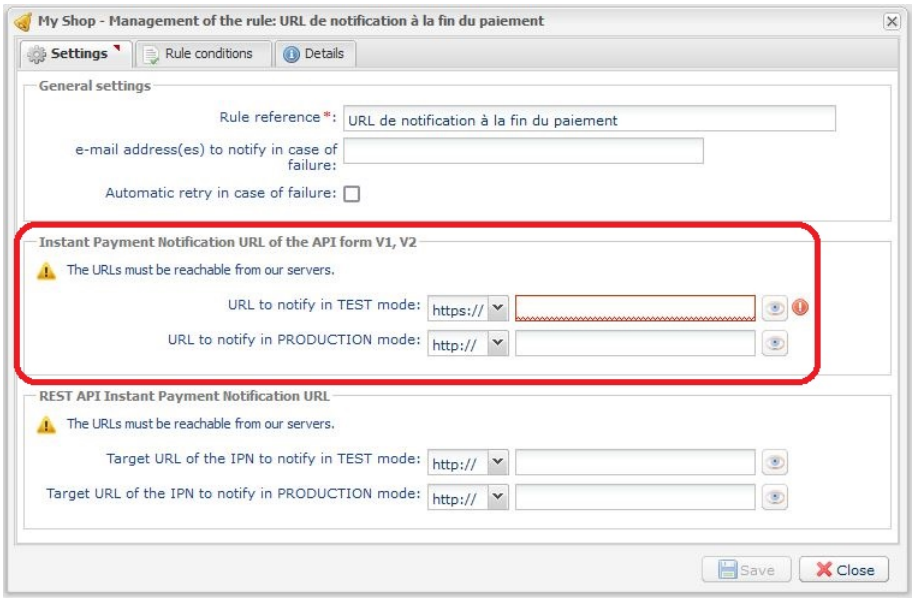

13. Click **Save**.

14. Double click on **Instant Payment Notification URL on cancellation**

15. Carry out the same operation from step 10 to step 13.

16. Double click on **Instant Payment Notification URL on batch change**.

17. Carry out the same operation from step 10 to step 13.

18. Double click on **Instant Payment Notification URL on an operation coming from the Back Office**.

19. Carry out the same operation from step 10 to step 13.

20. If the configured rules are marked by a red cross, select the rule and click on the **Enable the rule** button at the bottom of the screen.

6.2.3. Testing the payment on your website

To make a test payment:

1. Make an order on your merchant website as if you were one of your buyers.
2. Select the payment method "**Payment by credit card**."
3. Choose a payment method if your configuration offers it.
4. Click on one of the card numbers displayed on the screen, all the fields will be populated automatically.
5. Confirm your payment.
6. Make sure that the order is appears in the Magento Back Office.

6.2.4. Going into PRODUCTION

To go into PRODUCTION via the redirection :

1. Sign in to your **Systempay Merchant Back Office** with your identifiers: https://paiement.systempay.fr/vads-merchant/
2. Go to **Settings** > **Shop**.

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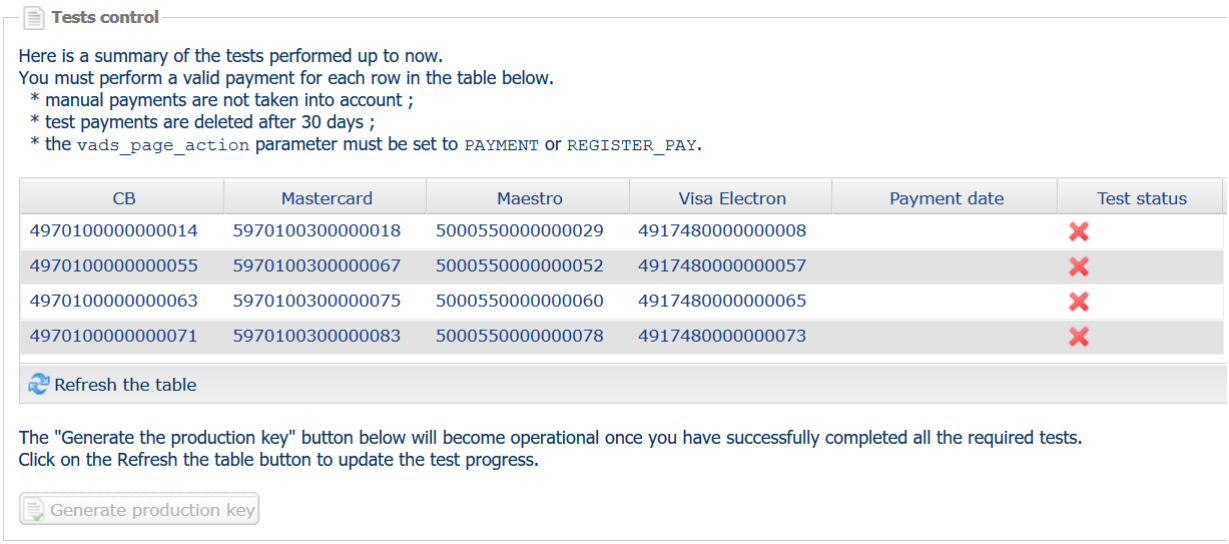
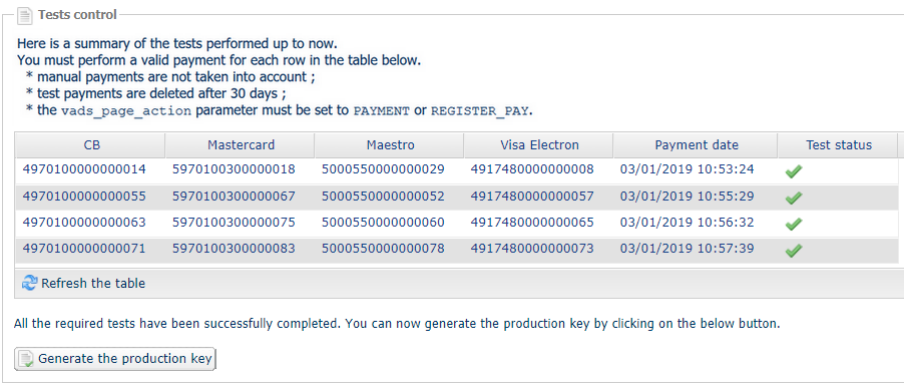
3. Click the **Keys** tab.
4. If there are no tables, go directly to step 6.
5. If you look at the table below, you should do the payment tests before going into production:



For making test payments:

a. See chapter **Testing the payment on your website**.
b. Make a payment using each line of the table, the card number used on the payment page must be identical to the one in the table.
c. Once all 4 payments have been made, the red crosses will be replaced by green check marks.



6. Click the **Generate the production key** button, then click **Yes** to confirm.
7. Copy the production key.
8. Sign in to your **Magento Back Office**.
9. Go to **Shops** > **Configuration**.
10. Click on **SALES** > **Payment methods**..
11. Click **Systempay - General configuration**.
12. Change the **Mode** parameter to **PRODUCTION**.
13. Replace the **Existing production key** with the previously copied key.
14. Save the changes.
15. You shop can now receive real payments.

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6.3. Integrating the embedded payment

6.3.1. Configuring the shop

1. Sign in to your **Systempay Merchant Back Office** with your identifiers: https://paiement.systempay.fr/vads-merchant/
2. Go to **Settings** > **Shop**.
3. Click the **Keys** tab.
4. Copy your **Shop ID**.
5. Sign in to your **Magento Back Office**.
6. Go to **Shops** > **Configuration**.
7. Click on **SALES** > **Payment methods**..
8. Click **Systempay - General configuration**.
9. Paste your **Shop ID** to the **Access to the payment gateway**.
10. Return to the **Merchant Back Office**.
11. Copy your **Test key**.
12. Return to the **Magento Back Office**.
13. Paste your **Test key** to the **Access to the payment gateway**.
14. If you are updating the module, you can also paste the Production key and then set the Mode to PRODUCTION.
15. Return to the **Merchant Back Office**.
16. Click on **API REST Keys** tab.
17. Copy your **Test password**.
18. Return to the **Magento Back Office**.
19. Paste your **Test password** to **REST API keys**.
20. Follow the same steps for the **Public test key** and **HMAC-SHA-256 test key** parameters.
21. If you are updating the module, you can also copy the **Production password**, the **Public production key** and the **HMAC-SHA-256 production key**.
22. Click **Save**.

6.3.2. Configuring the Instant Payment Notification URL

1. Sign in to your **Magento Back Office**.
2. Go to **Shops** > **Configuration**.
3. Click on **SALES** > **Payment methods**..
4. Click **Systempay - General configuration**.
5. Search for **REST API keys** section.
6. Copy the URL from the **REST API Instant Payment Notification URL** parameter.
7. Sign in to the **Merchant Back Office Systempay**: https://paiement.systempay.fr/vads-merchant/.
8. Go to **Settings** > **Notification rules**.

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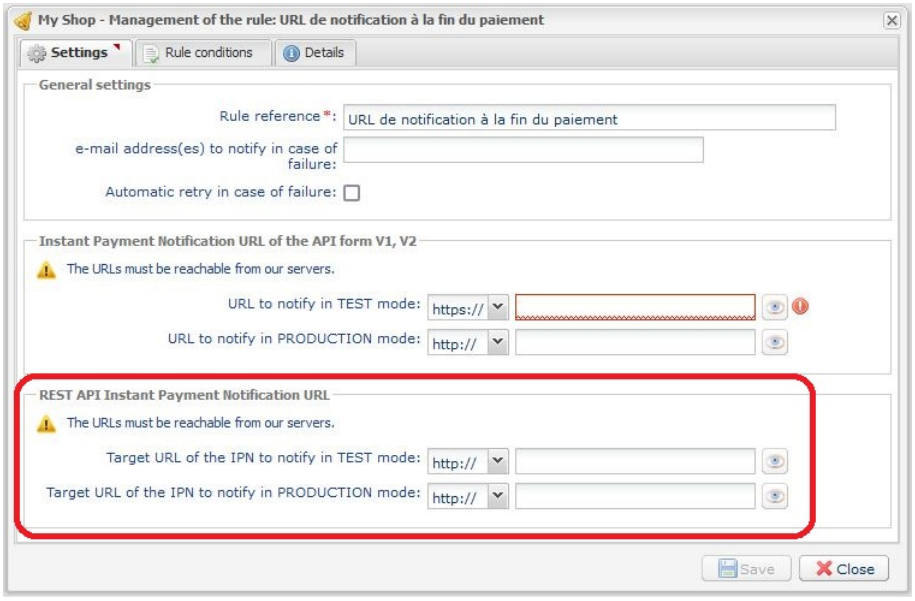
9. Double click **IPN URL at the end of payment**.
10. Check the **Automatic retry in case of failure** box.
11. Search for the **REST API Instant Payment Notification URL** part.
12. Paste the previously copied URL to **Target URL of the IPN to call in TEST mode** and **Target URL of the IPN to call in PRODUCTION mode**.

    If the production URL is different from your test URL, specify - it in order to not forget it later. Your URL should look like this:

    https://www.your-domain.com/systempay/payment_rest/check/



13. Click **Save**.
14. Double click on **Instant Payment Notification URL on cancellation**
15. Carry out the same operation from step 10 to step 13.
16. Double click on **Instant Payment Notification URL on batch change**.
17. Carry out the same operation from step 10 to step 13.
18. Double click on **Instant Payment Notification URL on an operation coming from the Back Office**.
19. Carry out the same operation from step 10 to step 13.
20. If the configured rules are marked by a red cross, select the rule and click on the **Enable the rule** button at the bottom of the screen.

6.3.3. Testing the payment on your website

To make a test payment:

1. Make an order on your merchant website as if you were one of your buyers.
2. Select the payment method "**Payment by credit card**."
3. Choose a payment method if your configuration offers it.
4. Click on one of the card numbers displayed on the screen, all the fields will be populated automatically.
5. Confirm your payment.

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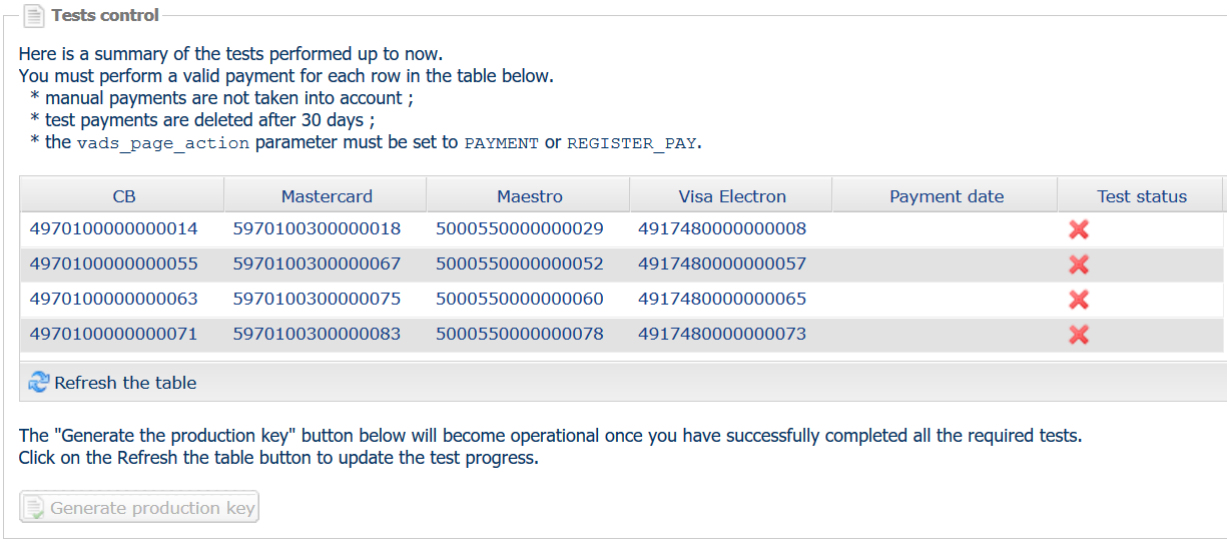
6. Make sure that the order is appears in the Magento Back Office.

6.3.4. Going into PRODUCTION

To go into PRODUCTION via the embedded payment :

1. Sign in to your **Systempay Merchant Back Office** with your identifiers: https://paiement.systempay.fr/vads-merchant/
2. Go to **Settings** > **Shop**.
3. Click the **Keys** tab.
4. If there are no tables, go directly to step 6.
5. If you look at the table below, you should do the payment tests before going into production:

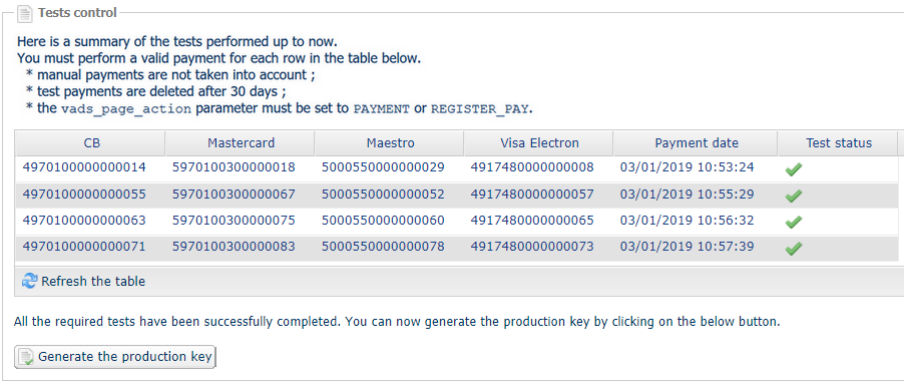


For making test payments:

a. See chapter **Testing the payment on your website**.

b. Make a payment using each line of the table, the card number used on the payment page must be identical to the one in the table.

c. Once all 4 payments have been made, the red crosses will be replaced by green check marks.



6. Click the **Generate the production key** button, then click **Yes** to confirm.
7. Copy the production key.
8. Sign in to your **Magento Back Office**.
9. Go to **Shops** > **Configuration**.

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10. Click on **SALES** > **Payment methods**..
11. Click **Systempay - General configuration**.
12. Change the **Mode** parameter to **PRODUCTION**.
13. Replace the **Existing production key** with the previously copied key.
14. Return to the **Merchant Back Office**.
15. Click on **API REST Keys** tab.
16. Copy your **Production password**.
17. Return to the **Magento Back Office**.
18. Paste your **Production password** to **REST API keys**.
19. Follow the same steps for the **Production test key** and **HMAC-SHA-256 production key** parameters.
20. Save the changes.
21. You shop can now receive real payments.

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7. DETAILED PARAMETERS OF THE PAYMENT MODULE

In this section, you will find the details of each parameter offered by payment module.

NOTE: An FAQ is available in our online documentation archive, it presents the most frequently asked questions and is regularly updated. The FAQ module is available via the link - below in the **CMS** section > **Magento 2.x**:

https://paiement.systempay.fr/doc/fr-FR/faq/faq-homepage.html

7.1. Integrating payment in installments

When a payment is made in installments, an authorization request is made only for the first installment. As a result, you will need to verify that the following deadlines were not denied at the time of application. The authorization will be automatically carried out one day before the capture date.

It is possible to be notified by e-mail in case one of the following installment payments is refused. All you need to do is enable and configure the **Installment payment rejection e-mail** rule. This rule can be found in the **Settings** > **Notification rules** menu > **E-mail sent to the merchant** tab of the Merchant Back Office.

To integrate payment in installments:

1. Sign in to your **Magento Back Office**.
2. Go to **System** > **Configuration**.
3. Click **SALES** > **Payment methods**.
4. Click **Systempay - Payment in installments** module.
5. Enable the module via the **Activation** parameter.
6. In the Payment options section, click **Add**.
7. Enter the Label of the payment option.
   Example: Pay in 3 installments with no fees
8. Enter the min/max amount for offering the payment in installments within those limits.
9. Enter a total number of installments in the **Number** box.
   Example: 3
10. Enter the delay in days between two installments via the **Number** parameter.
    Example: 30
11. Save your changes.

7.2. Integrating payment by token

For integrating payment by token:

1. Sign into your **Magento Back Office**.
2. Go to **System** > **Configuration**.
3. Click on **SALES** > **Payment methods**..
4. Click on **Systempay - Standard payment**.
5. Search for the **Payment by token** parameter and select **Yes**.

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6. Save your changes.

7.3. Integrating the buyer wallet

An e-wallet allows a buyer to store several payment cards and to choose which one to use when making a purchase, without having to enter the card number.

Bank details are stored by the payment gateway, in compliance with the rules imposed by the GDPR (= General Data Protection Regulation).

IMPORTANT: Make sure you have set up your REST API keys correctly before you start. This setup is described in the **Quick module configuration** > **Integrating the embedded form** chapter of the documentation.

To integrate the buyer wallet:

1. Sign into your **Magento Back Office**.
2. Go to **System** > **Configuration**.
3. Click on **SALES** > **Payment methods**..
4. Click on **Systempay - Standard payment**.
5. Search for the **Entry mode for payment method data** parameter and select one of the modes below:
   - Payment fields embedded on the merchant website (REST API).
   - Smartform embedded on the merchant website (REST API).
   - Extended Smartform embedded on merchant website with logos (API REST).
   - Extended Smartform embedded on merchant website without logos (API REST).
6. If you have not yet activated payment by token, modify the **Payment by token** parameter.
7. Save your changes.

Granting or removing the buyer's right to terminate their token:

1. Sign in to the Merchant Back Office.
2. Go to **Settings** > **Company**.
3. Click the **Subscription, token and wallet** tab.
4. Search for **Buyer wallet parameter**.
5. By checking the **Logical removal of the token by the buyer** box, the buyer can freely terminate his aliases.

   If the box is unchecked, a message will be displayed to the buyer requesting cancellation from the merchant.
6. Click the **Save** button at the bottom of the screen.

7.4. Adding another payment method

Before adding another payment method, make sure the contract has been added by Systempay. To check, please refer to the **Search for a contract in the Merchant Back Office** chapter.

To add a payment method from the module:

1. Sign into your **Magento Back Office**.

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2. Go to **Shops** > **Configuration**.
3. Click on **SALES** > **Payment methods**..
4. Click on **Systempay - Other payment methods**.
5. Search for the **Payment methods** parameter.
6. Enter the label that will appear to the buyer.
7. Select the payment method from the list.
   If this is not present, please refer to the Payment method missing from the list at the bottom of this page.
8. Check the **Integrated mode** box if you have chosen embedded payment integration.
9. Click **Save**.

Payment method missing from the list:

1. Click the **Add** button.
2. Enter the technical code provided by Systempay. This code must be exactly the same as the one present in the data dictionary in the **Card types (vads_payment_cards)** column.

   If your payment method is not on the list, it is not available in Systempay
3. Enter the **name** of the payment method to be added.
4. Save your changes.
5. The payment method is now be available in the drop-down list.

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7.5. Parameter description

Basic settings	
Logs	Allows to enable or disable module logs. The logs will be available in the /var/log directory on the server. This parameter is **enabled** by default.

Access to the payment gateway	
Shop ID	Indicate the 8-digit shop ID, available in your Merchant Back Office (Menu: **Settings** > **Shop** > **Keys**).
Test key	Specify the test key available via your Merchant Back Office (Menu: **Settings** > **Shop** > **Keys**).
Production key	Specify the production key available in your Merchant Back Office (Menu: **Settings** > **Shop** > **Keys**). Note that the production key will only become available after the test phase has been completed.
Mode	Allows to indicate the operating mode of the module (**TEST** or **PRODUCTION**). The PRODUCTION mode becomes available only after the test phase has been completed. The TEST mode is always available.
Signature algorithm	Algorithm used to compute the signature of the payment form. The algorithm must be the same as the one configured in the Merchant Back Office (**Settings** > **Shop** > **Keys**). If the algorithm is different, the parameter will have to be modified via the Merchant Back Office.
Instant Payment Notification URL	URL to copy in your Merchant Back Office (**Settings** > **Notification rules** > **Instant Payment Notification URL at the end of the payment** > **Instant Payment Notification URL of the API form V1, V2** menu). For more information, see the chapter and the sub-chapters on **Configuring the notification URL**.
Payment page URL	This field is pre-populated by default: https://paiement.systempay.fr/vads-payment/

REST API keys	
Test password	Password allowing to use Web Services or embedded payment fields in test mode. The password is available in your Merchant Back Office (Menu: **Settings** > **Shops** > **REST API keys**).
Production password	Password allowing to use Web Services or embedded form in production mode. The password is available in your Merchant Back Office (Menu: **Settings** > **Shops** > **REST API keys**).
IPN URL of the REST API	This field is pre-populated by default: https://api.systempay.fr/api-payment/ It is recommended to leave the **default** value.
Public test key	The test public key must be filled in if you use the embedded payment fields, such as **Card data entry mode**. The public key is available via your Merchant Back Office (Menu: **Settings** > **Shops** > **REST API keys**).
Public production key	The production public key be must be filled in if you use the embedded payment fields, such as **Card data entry mode**. The public key is available via your Merchant Back Office (Menu: **Settings** > **Shops** > **REST API keys**).

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REST API keys	
HMAC-SHA-256 test key	The test HMAC-SHA--256 key must be filled in if you use the embedded payment fields, such as the **Card data entry mode**. The HMAC-SHA-256 key is available from your Merchant Back Office (Menu: **Settings** > **Shops** > **REST API keys**).
HMAC-SHA-256 production key	The production HMAC-SHA--256 key must be filled in if you use the embedded payment fields, such as the **Card data entry mode**. The HMAC-SHA-256 key is available from your Merchant Back Office (Menu: **Settings** > **Shops** > **REST API keys**).
JavaScript client URL	This field is pre-populated by default: https://static.systempay.fr/static/ It is recommended to leave the **default** value.
REST API Instant Payment Notification URL	URL to copy in your Merchant Back Office (**Settings** > **Notification rules** > **Instant Payment Notification URL at the end of the payment** > **REST API Instant Payment Notification URL** menu). For more information, see the chapter and the sub-chapters on **Configuring the notification URL**.

Payment page	
Default language	This option allows to choose the default language of the payment page in case the language of Magento is not supported by Systempay. If the language(s) used by the Magento is (are) implemented into Systempay, the payment page will be displayed in the language of Magento when the buyer clicks on “Pay”.
Available languages	Allows to customize the language displayed on the payment page. The buyer will be able to select a language when he or she is redirected to the payment page. If you do not select any language, all languages will be displayed on the payment page. To select a language, press and hold the “Ctrl” key and click on the desired languages. Available languages: German, English, Chinese, Spanish, French, Italian, Japanese, Dutch, Polish, Portuguese, Russian, Swedish, Turkish.
Capture delay	Indicates the delay (in days) before the capture. By default, this parameter can be configured in your Merchant Back Office (Menu: **Settings** > **Shop** > **Configuration** - section: Capture delay). It is recommended to not populate this parameter.
Validation mode	***Back Office configuration:*** Recommended value. Allows to use the configuration defined in the Merchant Back Office (menu: Settings > Shop > Configuration section: validation mode). ***Automatic:*** This value indicates that the payment will be captured in the bank automatically without any action on the merchant’s part. ***Manual:*** This value indicates that the transactions will require manual validation by the merchant via the Merchant Back Office. Warning: if the transaction is not validated by the merchant before the expiration date of the authorization request, it will never be captured in the bank.

Customizing the payment page	
Theme configuration	Allows to customize the payment page by using specific keywords. If you have created several models in the Merchant Back Office, enter for example: RESPONSIVE_MODEL=Model_2 if you want to use the design of your “Model_2”.

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Customizing the payment page	
	Warning: Some keywords can only be used if the “Advanced customization” option has been enabled.
Shop name	You can define the name of your shop that will appear in order confirmation e-mails. If the field is empty, the shop name that was registered in the Merchant Back Office will be the one to appear in the e-mail.
Shop URL	You can define the shop URL that will appear on the payment page and in the order confirmation e-mail. If the field is empty, the shop URL that was registered in the Merchant Back Office will be the one to appear on the payment page and in the e-mail.

Custom 3DS	
Managing 3DS	Allows to request authentication without interaction (frictionless). Requires the option**Frictionless**3DS2 • For payments made in euro, if the amount is lower than €30, a request for frictionless is transmitted to the DS. **If the request for frictionless is accepted by the issuer, the merchant loses the payment guarantee.** • For payments made in euros, if the amount is greater than €30, the value transmitted by the merchant is ignored and the management of cardholder authentication is delegated to the gateway. • For payments made in a currency other than euro, a request for frictionless is transmitted to the DS.

Return to shop	
Automatic redirection	This option allows to automatically redirect the buyer to the merchant website. This option depends on the following settings. This option is disabled by default.
Time before redirection (success)	If the **automatic redirection** option is enabled, you can define the delay in seconds before your buyer is redirected to your shop in case of a successful payment.
Message before redirection (success)	If the **automatic redirection** option is enabled, you can define the message that will appear on the screen following a successful payment before your buyer is redirected to the shop. The default message is: “Redirection to the shop in a moment”.
Time before redirection (failure)	If the **automatic redirection** option is enabled, you can define the delay in seconds before your buyer is redirected to your shop in case of a failed payment.
Message before redirection (failure)	If the **automatic redirection** option is enabled, you can define the message that will appear on the screen following a failed payment before your buyer is redirected to the shop. The default message is: “Redirection to the shop in a moment”.
Return mode	During the redirection to the shop, these parameters are returned to the shop in **POST** or **GET** modes. The **POST** mode is set by default.
Order status	Select the Registered orders status. It is recommended to leave the **default** value.
Creating an invoice	Select **Yes** to create an invoice for each payment.

Additional options	
Send shopping cart details	Select **Activate** if you wish to send the shopping cart details to the payment gateway. For some payment methods, such as and PayPal, this data is required. In this case, the cart data will be sent anyway, even if the parameter is disabled.

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Additional options	
Category association	Associate a type with each category in your catalog. This parameter is required to perform fraud verification (subject to the option). You can: • Quickly associate a category with all the products in your catalog • Associate a type with each category in your catalog The categories are: Food and grocery | Cars | Entertainment | Home and gardening | Household appliances | Auctions and group purchasing | Flowers and presents | Computers and software | Health and beauty | Services for individuals | Services for companies | Sports | Clothes and accessories | Travel | Home audio, photo, video | Telephony
Type	Allows to choose the type of transporter from the following options: **Delivery company:** Transporters (La Poste, Colissimo, UPS, DHL, etc.) **Store pick-up**: Item pickup directly from the merchant. **Relay point**: Use of a network of delivery points (Kiala, Alveol, etc.) **Pick-up at a station:** Item pickup at an airport, a train station or a travel agency.
Speed	Shipping speed: **Express** (less than 24h) or standard. **Standard** **Priority** (reserved to Click & Collect)
Delay	In case of picking up the item at the shop (Click & Collect) with priority delivery, select the delivery delay from the following options: **≤ 1 hour** **> 1 hour** **Immediate** **24/7**
Online transaction currency	Currency used for processing PayZen payment transactions, 2 settings are possible: • **Display currency**: currency of shop view or currency displayed to buyer. • **Base currency**: base currency configured on Magento.

Module option	
Activation	In order to enable the payment method, select **Enabled**.
Payment method title	This option allows you to define the title of the payment method. The buyer will see this title when choosing a payment method. If your shop is available in several languages, a drop-down list will appear to the right of the method title. Changing the language allows you to enter a different title in each language.
Order	If you offer several payment methods, enter a number in the **Sort order** field to determine the position of this payment method. The payment methods appear in ascending order according to the **Sort order** value.
Logo	Click the **Browse** button to access your hard drive and thus select the logo of your choice to modify it. The buyer will see this **logo** when choosing a payment method.

Restrictions	
Supported countries	Configure the countries for which the payment method is available: • **All countries**: the payment method is available for all countries.

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Restrictions	
	• **Specific countries**: after choosing this option, the list of **Authorized countries** appears. Press and hold "Ctrl" and select the countries of your choice from the list of **Authorized countries**.
Minimum amount	This field defines the minimum amount for which you wish to offer this payment method. By defining a minimum amount for **ALL GROUPS**, the payment method will not be enabled for users with a smaller shopping cart amount. It is also possible to define a minimum amount for each customer group in your shop.
Maximum amount	This field defines the maximum amount for which you do not wish to offer this payment method. By defining a minimum amount for **ALL GROUPS**, the payment method will not be enabled for users with a greater shopping cart amount. It is also possible to define a maximum amount for each customer group in your shop.

Payment page	
Capture delay	Delay (in days) before the capture for this payment method. If you leave this field empty, the value configured in the **General configuration** section will be applied. If the **Capture delay** field of the **General configuration** is also empty, the value configured in the Merchant Back Office will be applied.
Validation mode	Validation mode for this payment method. ***General configuration of the module:*** Recommended value. Allows to apply the configuration defined in the **General configuration** section. ***Back Office configuration:*** Allows to use the configuration defined in the Merchant Back Office (menu: Settings > Shop > Configuration – section: validation mode) ***Automatic:*** This value indicates that the payment will be captured in the bank automatically without any action on the merchant's part. ***Manual:*** This value indicates that the transactions will require manual validation by the merchant via the Merchant Back Office. Warning: if the transaction is not validated by the merchant before the expiration date, it will not be captured in the bank. Remember to configure the **Instant Payment Notification rule on an operation coming from the Back Office** to update the order status in Magento.
Card types	This field allows to indicate the images used for cards that will be displayed on the payment page or on the merchant website (see "Card data entry"). Warning: The payment types offered to the buyer on the payment page depend on the contracts and options associated with your Systempay offer. It is recommended to select the **ALL** value.

Advanced options	
Card data entry mode	This parameter setting is described in the chapter on **Choosing the integration type** in the documentation.
Display mode	Select the display mode of your choice: • **Directly on the merchant website:** To display the payment areas directly via your merchant website. • **In a pop-in window:** Display the payment fields in a window that will appear on top of your merchant website.
Theme	Choose the theme you would like to use to display the embedded payment fields.

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Advanced options	
Display title	If you select **No**, the *Payment by card* label will not be displayed unless you offer other payment modules.
Custom fields placeholders	This option will allow you to define the label that will get displayed by default in the embedded payment fields. If your shop supports several languages, you can also define the title of the payment method for each language.
Payment attempts number	Maximum number of payment retries after a failed payment, this value must be between 0 and 9. If this value is not specified, the default value will be 3.
Always update the order status	By enabling this option, the order status will be updated for each payment attempt.
Payment by token	The payment by token allows to pay for the order without having to enter the card details upon each payment. During the payment, the buyer decides whether he/she wishes to register his/her card details by ticking the corresponding box available in the payment page. The box will be displayed only if the buyer is connected to the merchant website. This option is **disabled** by default. **WARNING:** **The 'payment by token' option must be enabled in your Systempay shop.**

Advanced options for payment in installments	
Card type selection	The module provides 2 operating modes: *On the payment gateway* The card type is selected on the Systempay payment page. *On the merchant website* The card type is chosen when the buyer selects the "Pay by credit card in installments" payment method. The list of available payment methods depends on the configuration of accepted card types (see "Configuration of the card type").

Multi payment option	
Payment option	This module allows you to create as many credit card installment payment options as you like. Each payment option will have a different code that will be displayed in the order table. To add a payment option, click on **Add**. When you are done, remember to save your changes.
Label	Text describing the installment payment option as it will be offered to the buyer. Example: Pay in 3 installments with no fees
Minimum amount	Allows to define the minimum amount required to make the payment option available.
Maximum amount	Allows to define the maximum amount required to make the payment option available.
Merchant ID	The Merchant ID to use with the option, in case your shop has several Merchant IDs. **It is recommended to leave this field empty.**
Number	Number of installments: **3** for payment in 3 installments **4** for payment in 4 installments etc.
Period	Period (in days) between each installment.
First installment	Amount of the first installment, expressed as a percentage of the total amount.

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Multi payment option	
	Example: For an amount of EUR 100 in 3 installments, you can set the percentage of the first payment at 50% of the amount. This means that the amount of the first installment will be EUR 50 an that the two others will be of EUR 25. For 50% enter **50**. If you want the amount of every installment to be the same, leave this field empty.

Gift card payment	
Gift card types	Select the images for gift cards that will be used on the payment page or on the merchant website. The payment types offered to the buyer on the payment page depend on the contracts and options associated with your offer Systempay
Add cards	If you have requested Systempay to create a gift card for your company and it does not appear on the list above, you can add it manually in the payment module: **1.** Click the Add button. **2.** Enter the technical code provided by Systempay. **3.** Enter the label of the gift card to add. **4.** Click Upload to upload the logo of your gift card. It will be displayed during the selection of the payment method.

Payment options for Other payment methods	
Group payment methods	By enabling this option, all the payment methods added in this section will be displayed within the same payment submodule. Otherwise, each payment method will be represented in a different submodule. This parameter is set to **Disabled** by default.
Label	Text describing the payment option as it will be offered to the buyer. The label will be displayed only if the **Group payment methods** option is **disabled**. Example: Pay via Bancontact If your shop supports several languages, you can also define the label of the payment method for each language.
Payment method	Choose the payment method you would like to offer.
Minimum amount	This field defines the minimum amount for which you wish to offer this payment method.
Maximum amount	This field defines the maximum amount for which you do not wish to offer this payment method.
Authorized countries	Select the country that you would like to authorize for the selected payment method. If no countries are selected from the list, all countries will be authorized. Hold down the **Ctrl** key to select or deselect several countries.
Validation mode	Validation mode for this payment method. ***General configuration of the module:*** Recommended value. Allows to apply the configuration defined in the **General configuration** section. ***Back Office configuration:*** Allows to use the configuration defined in the Merchant Back Office (menu: Settings > Shop > Configuration – section: validation mode) ***Automatic:*** This value indicates that the payment will be captured in the bank automatically without any action on the merchant's part. ***Manual:*** This value indicates that the transactions will require manual validation by the merchant via the Merchant Back Office.

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Payment options for Other payment methods	
	Warning: if the transaction is not validated by the merchant before the expiration date, it will not be captured in the bank. Remember to configure the **Instant Payment Notification rule on an operation coming from the Back Office** to update the order status in Magento.
Capture delay	Delay (in days) before the capture for this payment method. If you leave this field empty, the value configured in the **General configuration** section will be applied. If the **Capture delay** field of the **General configuration** is also empty, the value configured in the Merchant Back Office will be applied.
Embedded form:	Check this box if you would like to use this payment method with the embedded payment (see chapter **Choosing the integration type**). Click on this link to see the payment methods compatible with the Smartform.
Shopping cart data	Check this box if you wish to send the shopping cart details to the payment gateway. For some payment methods, such as and PayPal, the shopping cart details are required.
Add payment methods	If you want to create payment methods that are not present in the **Payment methods** list, you can add them manually in the payment module: **1.** Click the **Add** button. **2.** Enter the technical code provided by Systempay. This code must be exactly the same as the one present in the data dictionary in the **Card types (vads_payment_cards)** column. If your payment method is not on the list, it is not available in Systempay **3.** Enter the **name** of the payment method to be added. **4.** Save your changes. **5.** Once the payment method created, you will have to add and configure it from the **Payment methods** section (previous parameter). The new payment method will be displayed at the end of the **Payment methods** list.

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7.6. Instant Payment Notification URL

The Merchant Back Office provides several types of notifications. They allow to manage the events that will generate a call to the merchant website and to configure the URL of the contact page.

To access notification rule management:

1. Sign in to: https://paiement.systempay.fr/vads-merchant/.
2. Go to the following menu: **Settings** > **Notification rules**.

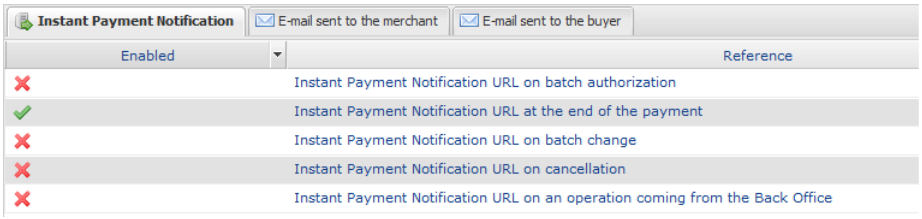

Figure 1: Notification rules

Right click > **Enable the rule** if a red cross appears in the **Enabled** column of the following rules:

- Instant Payment Notification URL at the end of the payment
- Instant Payment Notification URL on cancellation
- Instant Payment Notification URL on an operation coming from the Back Office
- Instant Payment Notification URL on batch change

7.6.1. Notification URL definitions

Instant Payment Notification URL at the end of the payment:

This notification is **required** for communicating the result of the payment request.

In your Merchant Back Office, you must set up a URL that will be systematically called after a payment. It will inform the merchant website of the payment result even if your client has not clicked on return to the shop.

Instant Payment Notification URL on cancellation:

The payment gateway can systematically notify the merchant website:

- When the buyer abandons/cancels a payment - via the **Cancel and return to shop** button.
- When the buyer has not completed the payment and the payment session has expired.

  The maximum length of a payment session is 10 minutes.

Instant Payment Notification URL on batch change:

It is recommended to enable this notification for **PayPal** transactions in order to manage the **UNDER_VERIFICATION** status. The merchant website will be notified about the acceptance or refusal by PayPal.

In case you have enabled the **Oney** payment method, **you must enable this rule** for your merchant website to be notified when orders are accepted or rejected by Oney.

If **manual validation** payment has been configured, **you must enable this rule** for your merchant website to be notified when a transaction expires.

Instant Payment Notification URL on an operation coming from the Back Office:

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By setting this URL, the payment gateway can systematically notify the merchant website if the following operations are performed via the Merchant Back Office:

- Cancel
- Refund
- Validate
- Modify

7.6.2. Configuration of Instant Payment Notification URLs

In oder to configure a notification URL:

1. Make sure that the notification URL is enabled (see chapter “Instant Payment Notification URL”).
2. **Double click** the notification URL that you would like to configure.
3. Enter the **E-mail address(es) to notify in case of failure**.
   To specify several e-mail addresses, separate them with a semi-colon.
4. Check the **Automatic retry in case of failure** box.
   This option allows to automatically send notifications to the merchant website in case of failure (up to 4 times).
5. Populate the fields **URL to call in TEST mode** and **URL to call in PRODUCTION mode** (**Notification URL of the Hosted payment page V1, V2** section). The URL to copy is specified in the module configuration (**Notification URL**).
   The URL must resemble the one below:
   https://www.your-domain.com/systempay/payment/check/
   Replace **your-domain.com** with the domain name of your website.
6. If you have configured the embedded form as integration type, populate the fields **Target URL of the IPN to call in TEST mode** and **Target URL of the IPN to call in PRODUCTION mode** (**REST API Instant Payment Notification URL** section). The URL to copy is present in the module configuration (**REST API notification URL**).
   The URL must resemble the one below:
   https://www.your-domain.com/systempay/payment_rest/check/
   Replace **your-domain.com** with the domain name of your website.
7. Click **Save**.

7.6.3. Testing the notification URL

In order to make sure that the Instant Payment Notification functions correctly, follow these steps:

1. Make sure that your URL is available online: your shop must neither be **in maintenance mode** nor be protected by an .htaccess file.
2. Make sure that your notification URL is available <u>without any redirection</u>.
   a. To do this, paste your notification URL to the address bar of your browser and launch the search.
   b. Make sure your URL did not change.
      If your URL has changed, for example from "*http*" to "*https*" or "*http://abc.net*" to "*http://**www**.abc.net*", it means a redirection is active on your website. Then, copy the URL from the address bar and modify the URL filled in the configuration of all notification rules.
3. Make sure that the “Automatic redirection” option is disabled in the payment module settings.

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4. Check that the **Instant Payment Notification URL at the end of payment** is populated in the Merchant Back Office (see above).

5. Make an order on your website and proceed to payment.

6. **Do not click on** "Return to shop" at the end of payment and close the current tab of your browser.

7. Make sure that the order status is **Processing** or **Pending** in the Magento Back Office.

If the order status is still **Pending** (pending_payment), this means that the call has failed.

If the payment gateway is unable to access the URL of your page, an e-mail will be sent to the shop administrator.

It contains:

- The HTTP code of the encountered error
- Parts of error analysis
- Its consequences
- Instructions to resend, from the Merchant Back Office, the notification to the URL already specified above

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8. OBTAINING HELP

Looking for help? See our FAQ:

https://paiement.systempay.fr/doc/fr-FR/faq/faq-homepage.html

For any technical inquiries or if you need any help, contact technical support.

In view of facilitating the processing of your requests, please have your shop ID ready (an 8-digit number).

This information is available in the “registration of your shop” e-mail or in the Merchant Back Office (**Settings** > **Shop** > **Configuration**).

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