Payment module integration
for Drupal Commerce 2

Contents

1. RELEASE NOTES

Version	Date	Comments
2.0.1	07/01/2019	New features • Compatible with Drupal Commerce 2.1.0 (error at the end of the payment). • Addition of Spanish translations. • Update of the message concerning the transition to production mode on the return page. Bug fixes • Signature computation error when special characters such as ' and " are used.
2.0.0	15/06/2018	Initial version.

2. MODULE FEATURES

The payment module offers the following functionalities:

- Immediate payment

- Payment in installments with the possibility to offer several options (2, 3, 4 installments, etc.)

- PayPal payment

- Compatibility with Drupal version 8.x

- Compatibility with Drupal Commerce version 2.x

- Multi-language compatibility

- Multi-currency compatibility

- Custom 3D Secure depending on the order amount

- Automatic redirection to the shop once the payment is made

- Systematic registration of orders at the end of payment via a silent URL (Instant Payment Notification URL)

3. READ CAREFULLY BEFORE GOING ANY FURTHER
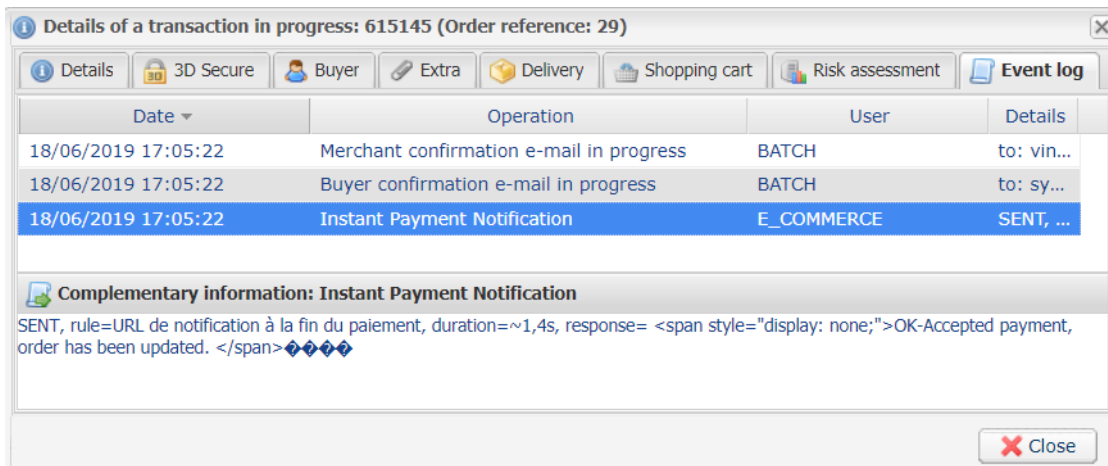
The most frequent error concerns the Instant Payment Notification URL. The Instant Payment Notification URL is the only way the Systempay gateway can notify you at the end of your payment. The chapter **Setting up the end of payment notification** must be read thoroughly and the provided instructions must be respected.

Frequent errors:

• **Your Drupal_Commerce shop is in maintenance mode**

• **Your Instant Payment Notification URL is protected by an .htaccess file**

• **You have blocked the IP addresses of the payment gateway**

• **You have not encoded the notification URL in the Merchant Back Office**

How to check that the Instant Payment Notification URL has been called:

Via the Merchant Back Office, display the payment details (double click), then go to the "**Event log**" tab.

4. INSTALLMENT PAYMENT FEATURES

This module also allows you to offer the possibility to pay in installments. In module settings, you can choose the number of installments and the delay in days between each installment.

This module will allow you to view an order in your Drupal_Commerce Back Office with the total amount that has been paid using the "payment in 3 installments with no fees" module, for instance.

During the first installment payment, an authorization request for the amount of the first installment is sent (if the capture date is before the current date + 6). Therefore, you cannot be sure that the upcoming installments will be honored. Remember to check that the upcoming installments are authorized.

Starting from the second installment, the IPN is no longer called, as Drupal_Commerce does not support such notifications for finalized orders. It is needless to resend the IPN from the Back Office.

However, 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.

Additional feature implemented into this module

For installment payments, the Systempay payment gateway allows to also choose the amount of the first installment.

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 and that the two others will be of EUR 25.

Payment method view

In module settings, you can define the minimum amount starting from which you wish to offer installment payment.

You can also set up the maximum amount until which you wish to offer installment payment.

To sum up, you must define a range for enabling payment in installments.
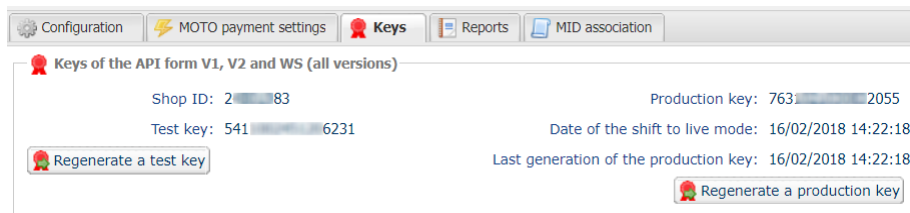
5. PREREQUISITES

Before integrating the payment module, please make sure that you are in possession of the following elements:

- **Payment module file**: Systempay_Drupal_Commerce_8.x-2.x_v2.0.1.zip
- **Your shop ID**
- **Test or production key**

The Shop ID and the keys are available in the Merchant Back Office (menu: **Settings** > **Shop** > **Keys**)

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

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

WARNING: All our payment modules are tested from a minimal PHP version, this version is visible from our documentary site:

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.

Please note that the 7.0 version is no longer supported by PHP: *http://php.net/supported-versions.php*

6. INSTALLATION AND CONFIGURATION OF THE PAYMENT MODULE

6.1. Updating the module

To update the payment module, you must first delete its previous version.

WARNING: Make sure you save the parameters of your module before you uninstall it and save the production key that is no longer visible in the Systempay Back Office.

1. From the Drupal_Commerce Back Office, go to the **Extension** menu:

2. In the list of available modules, uncheck the Systempay payment module then click on the **Save configuration** button at the bottom of the page.

3. Go to the **UNINSTALL** tab, check the box corresponding to Systempay then click **Uninstall**.

4. See the following chapters for adding and installing the new module.

6.2. Adding the Shopify standard payment module

The Systempay payment module can be added in two ways:

Automatic installation:

The first method consists in adding the payment module via the Drupal_Commerce Back Office.

In the administration panel of your store, go to the **Extension** menu and click **Install a new module**.

Then click the **Choose File** button and load the payment module.

Manual installation:

The second method consists in copying the module via FTP. To do this, copy the systempay commerce folder into the /modules folder if your website.

6.3. Installing the payment module

To install the payment module:

1. In the menu of your Drupal_Commerce Back Office, click on **Extension**.

2. Search for **Systempay commerce**, check the box to enable the module and click the **Save** button. If the box is grayed out, it means that other Drupal modules required for Systempay have not been activated or installed.

6.4. Configuring the payment module

To configure the payment module, click on **Commerce** in the menu of your Merchant Back Office, then **Configuration** > **Payment modes**.

Click the **Add payment mode** button, then select one of the following payment methods to proceed to its configuration:

The payment module configuration is divided into several parts and is presented on the following pages:

- **Standard payment**

- **Payment in installments**

- **Payment PayPal**

6.4.1. Standard payment

Search for the **Systempay - Standard payment** module and select it.

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/*

Payment page	
Default language	This option allows to choose the default language of the payment page in case the language of Drupal_Commerce is not supported by Systempay. If the language(s) used by the Drupal_Commerce is (are) implemented into Systempay, the payment page will be displayed in the language of Drupal_Commerce 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:

Payment page	
	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.
Card types	This field allows to select the cards logo to be displayed on the payment page.
	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 leave this parameter empty.

Custom 3DS	
Managing 3DS	• **In 3DS1: Disables** the 3DS1 process during an e-commerce payment. Requires the **Selective 3DS1** option.
	IMPORTANT
	This feature will become obsolete as soon as the 3DS1 version is no longer supported by the networks.
	As of October 2020, issuers can refuse the transaction if 3D Secure authentication has not been performed. **This behavior is called "Soft Decline".**
	To reduce the number of rejected payments, the payment gateway automatically makes a new payment attempt with 3D Secure authentication, when possible.
	• **In 3DS2:** Allows to request authentication without interaction (frictionless). Requires the **Frictionless** 3DS2 option.
	• 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".

Return to shop	
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 **GET** or **POST** modes. The **GET** mode is more convenient for the buyer as it allows to prevent the browser from displaying a pop-up window that indicates that the buyer is leaving an https environment for an http environment which obliges the buyer to click on "Accept" to return to the shop.

Conditions	
Customer	
Filter by billing address	Check the box to filter the payment module by the customer's billing address. Add the countries or postal codes for which you want to enable the payment module.
Filter by role	Check the box to filter the payment module by role. Then, select the roles (authenticated users, administrators...) for which the payment module is enabled.
Filter by e-mail address	Check the box to filter the payment module by the e-mail address. Add the e-mail for which you want to enable the payment module.
Order	
Filter by currency	Check the box to filter the payment module by currency. Then, select the currencies for which you want to enable the payment module.
Filter by store	Check the box to filter the payment module by store. Then, select the stores for which you want to enable the payment module.
Filter by total amount	Check the box to filter the payment module by the total amount. Then, select the operator and enter the amount. • _**Greater than**_: The payment module will be available only if the total amount is greater than the specified amount. • _**Greater than or equal to**_: The payment module will be available only if the total amount is greater than or equal to the specified amount. • _**Less than or equal to**_: The payment module will be available only if the total amount is less than or equal to the specified amount. • _**Less than**_: The payment module will be available only if the total amount is less than the specified amount. • _**Equal to**_: The payment module will be available only if the total amount is equal to the specified amount.
Filter by type	Check the box to filter the payment module by the order type. Then, select the type of order for which you want to enable the payment module.
Conditions	You can apply several conditions at the same time. There are two options: • All conditions must be filled in. • At least one condition must be filled in.
Status	Allows to enable or disable this payment method. This parameter is **enabled** by default.

Once you have completed the configuration, click **Save**.

6.4.2. Payment in installments

Search and select the **Systempay - Payment in installments** module.

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/*

Payment page	
Default language	This option allows to choose the default language of the payment page in case the language of Drupal_Commerce is not supported by Systempay. If the language(s) used by the Drupal_Commerce is (are) implemented into Systempay, the payment page will be displayed in the language of Drupal_Commerce 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.
Card types	This field allows to select the cards logo to be displayed on the payment page.

Payment page	
	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 leave this parameter empty.

Payment options	
First installment	Amount of the first installment, expressed as a percentage of the total amount. 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.
Number	Number of installments: **3** for payment in 3 installments **4** for payment in 4 installments etc.
Period	Period (in days) between each installment.

Custom 3DS	

Managing 3DS	• **In 3DS1: Disables** the 3DS1 process during an e-commerce payment. Requires the **Selective 3DS1** option.
	
	IMPORTANT
	This feature will become obsolete as soon as the 3DS1 version is no longer supported by the networks.
	As of October 2020, issuers can refuse the transaction if 3D Secure authentication has not been performed.
	This behavior is called "Soft Decline".
	To reduce the number of rejected payments, the payment gateway automatically makes a new payment attempt with 3D Secure authentication, when possible.
	
	• **In 3DS2:** Allows to request authentication without interaction (frictionless). Requires the **Frictionless** 3DS2 option.
	
	   • 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.

Return to shop	
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 **GET** or **POST** modes. The **GET** mode is more convenient for the buyer as it allows to prevent the browser from displaying a pop-up window that indicates that the buyer is leaving an https environment for an http environment which obliges the buyer to click on "Accept" to return to the shop.

Conditions	
Customer	
Filter by billing address	Check the box to filter the payment module by the customer's billing address. Add the countries or postal codes for which you want to enable the payment module.
Filter by role	Check the box to filter the payment module by role. Then, select the roles (authenticated users, administrators...) for which the payment module is enabled.
Filter by e-mail address	Check the box to filter the payment module by the e-mail address. Add the e-mail for which you want to enable the payment module.
Order	
Filter by currency	Check the box to filter the payment module by currency. Then, select the currencies for which you want to enable the payment module.
Filter by store	Check the box to filter the payment module by store. Then, select the stores for which you want to enable the payment module.
Filter by total amount	Check the box to filter the payment module by the total amount. Then, select the operator and enter the amount. • *__Greater than__*: The payment module will be available only if the total amount is greater than the specified amount. • *__Greater than or equal to__*: The payment module will be available only if the total amount is greater than or equal to the specified amount. • *__Less than or equal to__*: The payment module will be available only if the total amount is less than or equal to the specified amount. • *__Less than__*: The payment module will be available only if the total amount is less than the specified amount. • *__Equal to__*: The payment module will be available only if the total amount is equal to the specified amount.
Filter by type	Check the box to filter the payment module by the order type. Then, select the type of order for which you want to enable the payment module.
Conditions	You can apply several conditions at the same time. There are two options: • All conditions must be filled in. • At least one condition must be filled in.
Status	Allows to enable or disable this payment method. This parameter is **enabled** by default.

Once you have completed the configuration, click **Save**.

Make sure you configure the **Instant Payment Notification URL on batch authorization** rule so that your Drupal_Commerce store is notified upon each payment.

To configure this rule, refer to chapter **Setting up the notification on batch authorization**.

6.4.3. PayPal payment

Search for **Systempay - PayPal payment** module and select it.

For the merchant

The process of adding the PayPal payment option to your merchant website is simple. It consists in:

- Creating a **PayPal contract** if you do not have one.

- Using a **PayPal contract** if you have one.

- Enabling the **Payment via PayPal** option with the help of your payment gateway sales representative.

For the buyer

You can sign up to PayPal for free on the PayPal website. The buyer must:

- Create a PayPal account by entering an e-mail address and a password.

- Fill in all their personal details, address, etc.

- Fill in all their credit card details.

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/*

Payment page	
Default language	This option allows to choose the default language of the payment page in case the language of Drupal_Commerce is not supported by Systempay. If the language(s) used by the Drupal_Commerce is (are) implemented into Systempay, the payment page will be displayed in the language of Drupal_Commerce 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:

-

Payment page	
	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.
Card types	This field allows to select the cards logo to be displayed on the payment page. 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 leave this parameter empty.

Custom 3DS	
Managing 3DS	• **In 3DS1: Disables** the 3DS1 process during an e-commerce payment. Requires the **Selective 3DS1** option. **IMPORTANT** **This feature will become obsolete as soon as the 3DS1 version is no longer supported by the networks.** **As of October 2020, issuers can refuse the transaction if 3D Secure authentication has not been performed.** **This behavior is called "Soft Decline".** **To reduce the number of rejected payments, the payment gateway automatically makes a new payment attempt with 3D Secure authentication, when possible.** • **In 3DS2:** Allows to request authentication without interaction (frictionless). Requires the **Frictionless** 3DS2 option. • 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".

Return to shop	
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 **GET** or **POST** modes. The **GET** mode is more convenient for the buyer as it allows to prevent the browser from displaying a pop-up window that indicates that the buyer is leaving an https environment for an http environment which obliges the buyer to click on "Accept" to return to the shop.

Conditions	
Customer	
Filter by billing address	Check the box to filter the payment module by the customer's billing address. Add the countries or postal codes for which you want to enable the payment module.
Filter by role	Check the box to filter the payment module by role. Then, select the roles (authenticated users, administrators...) for which the payment module is enabled.
Filter by e-mail address	Check the box to filter the payment module by the e-mail address. Add the e-mail for which you want to enable the payment module.
Order	
Filter by currency	Check the box to filter the payment module by currency. Then, select the currencies for which you want to enable the payment module.
Filter by store	Check the box to filter the payment module by store. Then, select the stores for which you want to enable the payment module.
Filter by total amount	Check the box to filter the payment module by the total amount. Then, select the operator and enter the amount. • _**Greater than**_: The payment module will be available only if the total amount is greater than the specified amount. • _**Greater than or equal to**_: The payment module will be available only if the total amount is greater than or equal to the specified amount. • _**Less than or equal to**_: The payment module will be available only if the total amount is less than or equal to the specified amount. • _**Less than**_: The payment module will be available only if the total amount is less than the specified amount. • _**Equal to**_: The payment module will be available only if the total amount is equal to the specified amount.
Filter by type	Check the box to filter the payment module by the order type. Then, select the type of order for which you want to enable the payment module.
Conditions	You can apply several conditions at the same time. There are two options: • All conditions must be filled in. • At least one condition must be filled in.
Status	Allows to enable or disable this payment method. This parameter is **enabled** by default.

Once you have completed the configuration, click **Save**.

7. SETTING UP THE 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**.

Instant Payment Notification	E-mail sent to the merchant	E-mail sent to the buyer	
Enabled			Reference
✖			Instant Payment Notification URL on batch authorization
✔			Instant Payment Notification URL at the end of the payment
✖			Instant Payment Notification URL on batch change
✖			Instant Payment Notification URL on cancellation
✖			Instant Payment Notification URL on an operation coming from the Back Office

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 batch authorization

7.1. Setting up the Instant Payment Notification

This notification is required to communicate the result of a 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.

This parameter is called Instant Payment Notification URL at the end of the payment.

To set up this notification:

1. Right-click **Instant Payment Notification URL at the end of the payment**.

2. Select **Enable the rule**.

3. Right-click **Instant Payment Notification URL at the end of the payment** once again.

4. Select **Manage the rule**.

5. Enter the following URL in 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 present in the module configuration (**Notification URL**).

   The URL must resemble the one below:

   http://your-domain.com/web/payment/notify/systempay

   Replace **your-domain.com** with the domain name of your website.

6. Enter the **E-mail address(es) to notify in case of failure**.

7. To specify several e-mail addresses, separate them with a semi-colon.

8. Set up the parameters for **Automatic retry in case of failure**.
   This option allows to automatically send notifications to the merchant website in case of failure (up to 4 times).

   A notification will be considered as failed if the HTTP code returned by the merchant server is not on the following list: **200**, **201**, **202**, **203**, **204**, **205**, **206**, **301**, **302**, **303**, **307**, **308**.

   Automatic retry does not apply to notifications manually triggered via the Merchant Back Office.

   Call attempts are scheduled at fixed intervals every 15 minutes (00, 15, 30, 45). After each failed attempt, a notification e-mail is sent to the e-mail address specified earlier.

9. Save the changes.

7.2. Setting up a notification on batch authorization

In case of an installments payment, the website is notified:

- via the **instant payment notification at the end of the payment** rule for the first installment (generally when the order is completed),

- via the **instant payment notification on batch authorization** rule for all other installments.

To set up this notification:

1. Right-click on **Instant Payment Notification URL on batch authorization**.

2. Select **Manage the rule**.

3. Enter the URL of your page in the fields **URL to call in TEST mode** and **URL to call in PRODUCTION mode.**

4. Enter the following URL in **URL to call in TEST mode** and **URL to call in PRODUCTION mode**:

   http://your-domain.com/web/payment/notify/systempay

   Replace **your-domain.com** with the domain name of your website.

5. Enter the **E-mail address(es) to notify in case of failure**.

6. To specify several e-mail addresses, separate them with a semi-colon.

7. To specify several e-mail addresses, separate them with a semi-colon.

8. Set up the parameters for **Automatic retry in case of failure**.

   This option allows to automatically send notifications to the merchant website in case of failure (up to 4 times).

   For more information, see chapter **Activating the automatic retry**

9. Save the changes.

7.3. Testing the Instant Payment 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 without any redirection.

   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.

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 has been created in the **Commerce** > **Orders** menu.

If the order has not been created in the Drupal_Commerce Back Office, 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 the notification to the URL already specified above from the Merchant Back Office

8. PROCEEDING TO TEST PHASE

Once the payment module has been configured and you have specified the IPN URLs, you can move on to test phase in order to generate the production key.

Different cases of payments can be simulated by using test card numbers specified on the payment page. The Merchant will be able to test all 3D Secure authentication results (if the Merchant is enrolled and 3DS is not disabled).

The list of the tests to perform for generating the production key is provided in the Merchant Back Office, **Settings** > **Shop** > **Keys** menu.

> 📄 **Tests control**
>
> Here is a summary of the tests performed up to now.
> You must perform a valid payment for each row in the table below.
> * manual payments are not taken into account ;
> * test payments are deleted after 30 days ;
> * the `vads_page_action` parameter must be set to `PAYMENT` or `REGISTER_PAY`.

CB	Mastercard	Maestro	Visa Electron	Payment date	Test status
4970100000000014	5970100300000018	5000550000000029	4917480000000008		✖
4970100000000055	5970100300000067	5000550000000052	4917480000000057		✖
4970100000000063	5970100300000075	5000550000000060	4917480000000065		✖
4970100000000071	5970100300000083	5000550000000078	4917480000000073		✖

> 🔄 Refresh the table

> The "Generate the production key" button below will become operational once you have successfully completed all the required tests.
> Click on the Refresh the table button to update the test progress.
>
> 📄 Generate production key

If your store does not have the test control table, it is not necessary to perform tests before going into production. You can directly click the **Generate production key** button to go into production. However, we recommend to make some payment tests to make sure that the payment solution is correctly integrated.

Each row of the list contains card numbers associated with the same scenario (i.e. 2 accepted payments and 2 refused payments).

Each column corresponds to a different card type: CB/VISA, MASTERCARD, MAESTRO, VISA ELECTRON.

To perform the test phase:

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. Once redirected to the payment page, select the card type of your choice.

4. Refer to the list of tests to identify the card number to use.

5. Once a test has been validated, its status is updated on the list. Click the **Refresh the table** button if the status has not been updated automatically.

6. Once the 4 tests have been validated, the **Generate production key** button becomes available.

Tests control

Here is a summary of the tests performed up to now.
You must perform a valid payment for each row in the table below.
   * manual payments are not taken into account ;
   * test payments are deleted after 30 days ;
   * the `vads_page_action` parameter must be set to `PAYMENT` or `REGISTER_PAY`.

CB	Mastercard	Maestro	Visa Electron	Payment date	Test status
4970100000000014	5970100300000018	5000550000000029	4917480000000008	03/01/2019 10:53:24	✔
4970100000000055	5970100300000067	5000550000000052	4917480000000057	03/01/2019 10:55:29	✔
4970100000000063	5970100300000075	5000550000000060	4917480000000065	03/01/2019 10:56:32	✔
4970100000000071	5970100300000083	5000550000000078	4917480000000073	03/01/2019 10:57:39	✔

🔄 Refresh the table

All the required tests have been successfully completed. You can now generate the production key by clicking on the below button.

📄 Generate the production key

7. Click the **Generate production key** button and accept the notification messages that will appear.

The production key is now available.

9. SHIFTING THE SHOP TO PRODUCTION MODE

After you receive a confirmation e-mail informing you that a key has been generated, you can configure the payment method by following the steps below:

- Retrieve the production key available in the Merchant Back Office (**Settings** > **Shop** > **Keys**).

- In the module configuration parameters:
    - Populate the **Production key** field.
    - Switch from TEST to PRODUCTION mode.
    - Save the changes.
- Make sure that you have specified the Instant Payment Notification URL in production mode, as described in the chapter **Setting up the Instant Payment Notification URL**.

Once the production parameters have been configured for your store, we recommend to make a real payment to make sure that your banking contract is functional.

You will then be able to cancel the payment via the Merchant Back Office.

Note on the production key:

For security reasons, this key will no longer be visible as soon as the first transaction in production mode is made in your shop.

Note on the TEST mode:

Once you shop is in production mode, the TEST mode remains available.

To work in test mode, follow the steps below:

- Switch from PRODUCTION to TEST mode.
- Make sure that the **Test key** is correct.
- Save the changes.

10. OBTAINING HELP

Looking for help? Check our FAQ on our website

https://paiement.systempay.fr/doc/en-EN/faq/sitemap.html

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

To help us process your requests, please specify your Shop ID in your query (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**).