



## **Payment module integration for Magento 2**

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# 1. RELEASE NOTES

Version	Date	Comments
2.3.1	7/12/2018	<p><u>New features:</u></p> <ul style="list-style-type: none"> <li>• Enable SHA-256 signature algorithm by default.</li> <li>• Ignore spaces at the beginning and the end of certificates on return signature processing.</li> </ul>
2.3.0	5/23/2018	<p><u>Development:</u></p> <ul style="list-style-type: none"> <li>• Addition of the "Signature algorithm" field to allow the selection of SHA-256 algorithm.</li> </ul>
2.1.4	3/12/2018	<p><u>Bug fixes</u></p> <ul style="list-style-type: none"> <li>• Adding the component load order in etc/module.xml to avoid an exception during Magento installation using comand-line interface.</li> <li>• Check value type in logo uploader to avoid a PHP warning during import data from configuration files.</li> </ul>
2.1.3	11/7/2017	<p><u>Development:</u></p> <ul style="list-style-type: none"> <li>• Compatibility with Magento version 2.2</li> </ul>
2.1.2	8/14/2017	<p><u>Development:</u></p> <ul style="list-style-type: none"> <li>• Installment payment: the payment schedule is displayed in the transaction details.</li> <li>• Payment in a foreign currency : the amount is displayed, in the transaction details, in the merchant ID base currency.</li> <li>• The payment page can be displayed inside iFrame.</li> </ul> <p><u>Bug fixes</u></p> <ul style="list-style-type: none"> <li>• An "Incompatible argument type" error occurred during Magento compilation.</li> </ul>
2.1.1	1/24/2017	<p><u>Development:</u></p> <ul style="list-style-type: none"> <li>• The structure of the payment module has been modified to be compliant with Magento MarketPlace.</li> <li>• Vendor modification (lyranetwork instead of lyra).</li> </ul> <p><u>Bug fixes</u></p> <ul style="list-style-type: none"> <li>• An error occurred when the buyer used the browser back button to return to the shopping cart page.</li> </ul>
2.1.0	11/3/2016	<p><u>Development:</u></p> <ul style="list-style-type: none"> <li>• Possibility to pay for orders created via the back office (MOTO mode).</li> <li>• Possibility to make full or partial refunds via the back office (API web services V5).</li> <li>• Addition of the "Ticket EcoChèque" card type.</li> <li>• Removal of format controls for test and production certificates.</li> </ul> <p><u>Bug fixes</u></p> <ul style="list-style-type: none"> <li>• The version of the CMS was no longer correctly detected via Magento 2.1.</li> <li>• Notification URLs were no longer correctly displayed via Magento 2.1.</li> <li>• During installment payment, the selection of the payment option no longer worked in Magento 2.1.</li> </ul>
2.0.1	6/1/2016	<p><u>Development:</u></p> <ul style="list-style-type: none"> <li>• Improvement of the administration panel display.</li> <li>• Improvement of the log system and of the error format.</li> <li>• Update of the translation file in German.</li> </ul>

Version	Date	Comments
		<u>Bug fixes</u> <ul style="list-style-type: none"> <li>• Activation of the module used to block order creation via the backend.</li> <li>• In multi-store mode, the buyers were not redirected to the right shop after the payment.</li> <li>• After saving the module configuration, if the cache was not refreshed, a new click on the "Save" button used to provoke a JS error.</li> <li>• The capture delay was not taken into account if it was set to 0 days in the submodules.</li> <li>• The ORDER_CANCEL_AFTER event used to be not called when canceling an order.</li> <li>• Verification of the validity of the selected currency before the verification of the base currency.</li> <li>• The virtual methods for installment payments (payzen_multi_Nx) are no longer deleted and then recreated when the module configuration is saved.</li> </ul>
2.0.0	3/11/2016	Initial version

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## 2. MODULE FEATURES

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The payment module offers the following features:

- Compatibility with Magento version 2.1.x to 2.2.x
- Multi-shop/multi-view compatibility
- Multi-language compatibility
- Multi-currency compatibility
  
- Selective 3D Secure depending on the order amount.
- Automatic redirection to the shop at the end of payment
- Definition of a minimum/maximum amount for each payment method
- Restriction of payment methods by shopper group
- Systematic order update at the end of payment via a silent URL (Instant Payment Notification URL)
- Payment page integrated into the checkout flow (display in an Iframe)

Possibility to highlight the following payment methods via a submodule :

- One-Time payment
- Installments payment (possibility to create several payment options)

Features available as an option :

- Payment via the Backend (requires for the "*MOTO payment*" option to be enabled)
- Partial or full refund (requires the *Pay by Web Services* option)

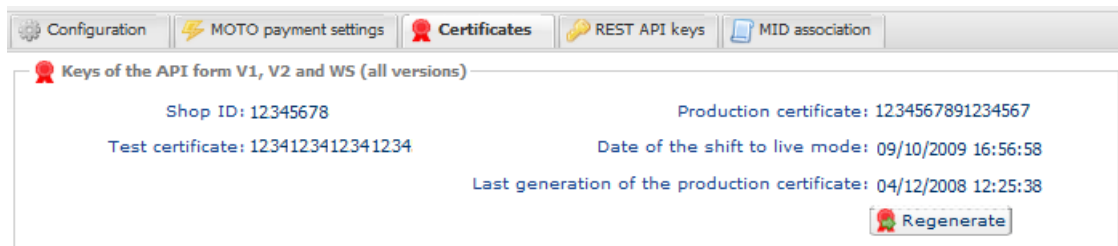
### 3. PREREQUISITES

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

- **Payment module file:** PayZen\_Magento\_2.x\_v2.3.1.zip
- **Your shop ID**
- **Test or production certificate**

The shop ID and the certificates are available in the PayZen Back Office (Menu: **Settings > Shop > Certificates**)



Your PayZen Back Office is available at this address:

<https://secure.payzen.eu/vads-merchant/>

## 4. INSTALLATION OF THE PAYMENT MODULE

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The PayZen payment module is installed via the Magento **Component Manager**.

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

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**WARNING:** A new parameter has been added: **Signature algorithm**. By default, this field is set to **SHA-256** and its value must be the same as the selected algorithm in the PayZen Back Office (**Settings > Shop**). If they are different, you will have to change the configuration in the PayZen Back Office.

1. Save your Shop ID as well as the certificates presented in the administration panel of the module.
2. Using a FTP client, change to the Payzen module installation directory.  
The module is installed either in `/app/code/Lyranetwork/` or in `/app/code/Lyra/` if you had 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 install the new version

### 4.2. Installation via FTP

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1. Create a folder **Lyranetwork** in `app/code`.
2. Create a sub-folder **Payzen** in `app/code/Lyranetwork`.
3. Transfer the files from the `PayZen_Magento_2.x_v2.3.1.zip` archive to `app/code/Lyranetwork/Payzen` with the help of an FTP client or via command prompt.
4. Empty Magento cache via the administration panel (**System > Cache Management**).
5. Now activate the module either by command-line interface or from the user interface

## **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_Payzen
```

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.

7. Once the module is enabled, return to the administration panel to proceed to the configuration of the payment module.

## **Activation from the user interface**

1. Open the Component Manager ( **System > Web Setup Wizard > Component Manager**).
2. In the list of extensions detected by Magento, search for **Lyranetwork\_Payzen**.
3. In the **Action** column, click on **Select**, then on **Enable**.
4. Magento will then perform several checks (PHP version, file permissions, presence of the cron, etc.). Click on **Start Readiness Check** to launch tests.
5. If Magento displays errors or alerts, contact your webmaster/host to fix them.
6. Once all the checks are finalized, click on **Next** to proceed to the next step.
7. If you wish, you can create a back-up of your installation (files and Database). Click on **Next** when you are ready to start the back-up process. This step can take several minutes.
8. Once the back-up has been created, click on **Enable**.
9. Magento will wait for the cron to pass by once again before activating the module. This step can take several minutes. If you experience any issues, contact your webmaster/host to analyze and fix the errors.
10. Once the module is enabled, return to the administration panel.



### 4.3. Installation via the MarketPlace

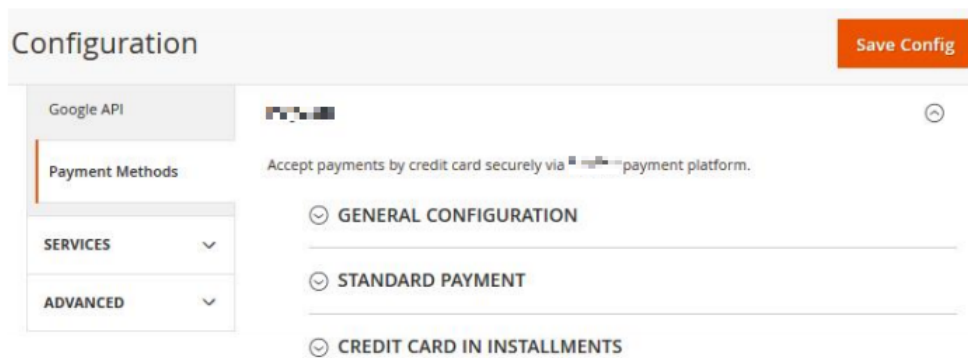
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1. Connect to your Magento administration panel.
2. Open the Component Manager (**System > Web Setup Wizard > Component Manager**).
3. In the **Magento Marketplace Account** view, click on **Sign in** and enter your public and private keys.
4. Connect to the Magento marketplace.
5. Find the Payzen module and add it to the shopping cart.
6. The module is free, therefore you will not be charged. Finalize your purchase.
7. Return to your **Component Manager** and click on **Sync**.
8. A new element should appear in **New purchases**. Click on **Install**.
9. In the **Extension Grid** window, select the Payzen module and click on **Install**.

## 5. CONFIGURING THE PAYMENT MODULE

In the Magento administration panel:

1. Go to the Magento administration panel and click through **System > Configuration**.
2. Then click on **SALES > Payment methods**
3. If your Magento installation has several websites, shops or views, change the **Current configuration scope** in the upper-left corner to the desired configuration.
4. Click to expand the PayZen section.
- 5.



### 5.1. General configuration

Basic settings	
<b>Logs</b>	Allows to enable or disable module logs. The logs will be available in the /var/log directory on the server. This parameter is <b>enabled</b> by default.
Access to the payment gateway	
<b>Shop ID</b>	Indicate the 8-digit shop ID provided in your Back Office (Menu: <b>Settings &gt; Shop &gt; Certificates</b> ).
<b>Test certificate</b>	Indicate the test certificate provided in your Back Office (Menu: <b>Settings &gt; Shop &gt; Certificates</b> ).
<b>Certificate in production mode</b>	Specify the production certificate provided in your Back Office (Menu: <b>Settings &gt; Shop &gt; Certificates</b> ). Note that the production certificate will only become available after the test phase has been completed.
<b>Mode</b>	Allows to indicate the operating mode of the module ( <b>TEST</b> or <b>PRODUCTION</b> ) The <b>PRODUCTION</b> mode becomes available only after the test phase has been completed. The <b>TEST</b> mode is always available.
<b>Signature algorithm</b>	Algorithm used to compute the signature of the payment form. The algorithm must be the same as the selected algorithm in the PayZen Back Office ( <b>Settings &gt; Shop</b> ). If they are different, you will have to change the configuration in the PayZen Back Office.
<b>Instant Payment Notification URL</b>	Copy this URL into your Back Office (Menu <b>Settings &gt; Notification rules &gt; Instant payment Notification URL at the end of payment</b> ): <a href="http://www.mydomain.com/index.php/payzen/payment/check/">http://www.mydomain.com/index.php/payzen/payment/check/</a>
<b>Payment page URL</b>	This field is pre-populated by default: <a href="https://secure.payzen.eu/vads-payment/">https://secure.payzen.eu/vads-payment/</a>

Payment page	
<b>Default languages</b>	<p>This option allows to choose the default language of the payment page in case the language of Magento is not supported by PayZen.</p> <p>If the language(s) used by the Magento is (are) implemented into PayZen, the payment page will be displayed in the language of Magento when the buyer clicks on "Pay".</p>
<b>Available languages</b>	<p>Allows to customize the language displayed on the payment page. Buyer will be able to select a language when he is redirected on the payment page. If you do not select any language, all the languages will be displayed on the payment page.</p> <p>To select a language, press and hold the " <code>Ctrl</code> " key and click on the desired languages.</p> <p><u>Available languages:</u> German, English, Chinese, Spanish, French, Italian, Japanese, Dutch, Polish, Portuguese, Russian, Swedish, Turkish.</p>
<b>Capture delay</b>	<p>By default, this parameter is configured in your Back Office. (Menu: <b>Settings &gt; Shop &gt; Configuration</b> - section: Capture delay)</p> <p>It is recommended to not populate this parameter.</p>
<b>Validation mode</b>	<p><b><u>Back Office Configuration:</u></b> Recommended value.</p> <p>Allows to use the configuration defined in the Back Office. (Menu: Settings &gt; Shop &gt; Configuration – section: validation mode)</p> <p><b><u>Automatic:</u></b> This value indicates that the payment will be captured in the bank automatically without any action on the merchant's part.</p> <p><b><u>Manual:</u></b> This value indicates that transactions will have to be manually validated by the merchant in the Back Office.</p> <p><b><u>Warning:</u></b> if the transaction has not been validated by the merchant before the expiration date, it will never be captured in the bank.</p>

Payment page customization	
<b>Theme configuration</b>	<p>Allows to customize the payment page by using specific keywords.</p> <p>For multi-site configurations, you can specify which theme you want to display on the payment pages.</p> <p>If you have create several models of customization in your Back Office, enter for example: <code>RESPONSIVE_MODEL=Model_2</code> if you want to use the skin of your Model_2.</p> <p>For more information on keywords, please see our online documentation: <a href="https://payzen.io/fr-FR/form-payment/standard-payment/vads-theme-config.html">https://payzen.io/fr-FR/form-payment/standard-payment/vads-theme-config.html</a></p> <p>See description of the vads_theme_config field.</p> <p><b>Warning:</b> Certain keywords can only be used if the "Advanced customization" option has been enabled.</p>
<b>Shop name</b>	<p>You can define the name of your shop that will appear in order confirmation e-mails.</p> <p>For multi-site configurations, you can specify the shop name for each site. If the field is empty, the shop name that was registered in the PayZen Back Office will be used in the e-mail.</p>
<b>Shop URL</b>	<p>You can define the shop URL that will appear on the payment page and in the order confirmation e-mail.</p> <p>For multi-site configurations, you can specify the shop URL for each site. If the field is empty, the shop URL that was registered in the PayZen Back Office will be used on the payment page and in the e-mail.</p>

Selective 3DS	
<b>Disable 3D Secure</b>	<p>amount below 3DS will be disabled.</p> <p>Below this amount, 3DS rules from the risk assessment will not be applied. Leave empty to let the payment gateway decide if a 3DS authentication is required.</p> <p><b>WARNING:</b> <b>The value of this field will be taken into account only if the option "Selective 3D-Secure" is enabled for your PayZen shop.</b> <b>This option can only be enabled upon agreement of your bank.</b></p>

Selective 3DS	
	Some card types, such as MAESTRO, require a mandatory 3DS authentication. In this case, your configuration will not be taken into account.
Return to shop	
<b>Automatic redirection</b>	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.
<b>Time before redirection (success)</b>	In case the <b>automatic redirection</b> option is enabled, you can define the delay in seconds before your buyer is redirected to your shop in case of a successful payment.
<b>Message before redirection (success)</b>	In case the <b>automatic redirection</b> option is enabled, you can define the message that will appear on the platform following a successful payment before your buyer is redirected to the shop. The default message is: "Redirection vers la boutique dans quelques instants" (Redirection to the shop in a moment)
<b>Time before redirection (failure)</b>	In case the <b>automatic redirection</b> option is enabled, you can define the delay in seconds before your buyer is redirected to your shop in case of a failed payment.
<b>Message before redirection (failure)</b>	In case the <b>automatic redirection</b> option is enabled, you can define the message that will appear on the gateway following a failed payment before your buyer is redirected to the shop. The default message is: "Redirection vers la boutique dans quelques instants" (Redirection to the shop in a moment)
<b>Return mode</b>	During the redirection to the shop, these parameters are returned to the shop in <b>GET</b> or <b>POST</b> 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.
<b>Order status</b>	Select the Registered orders status. It is recommended to leave the <b>default</b> value.
<b>Creating an invoice</b>	Select <b>Yes</b> to create an invoice for each payment.
Additional options	
<b>Association of categories</b>	Associate a type with each category in your catalog. This information is required for FaciIPay payment as well as for risk assessment (the corresponding option must be enabled). 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.
<b>Send advanced shipping details</b>	Select No if you don't want to send advanced shipping details for each payment (delivery company, type, shipping speed).
<b>Name</b>	The payment module will automatically detect all the transporters available on your website.
<b>Label</b>	Allows to define the label of a transporter when the field value is not compatible with the Oney payment method. The maximal length is 55 characters. the authorized special characters are: space, slash, hyphen, apostrophe.
<b>Type</b>	Allows to define the type of transporter from the following choices: <b>Delivery company</b> : Transporters (La Poste, Colissimo, UPS, DHL, etc.) <b>Reclaim in shop</b> : Item pickup directly from the merchant. <b>Delivery point</b> : Using a network of delivery points (Kiala, Alveol, etc.)

Additional options	
	<b>Reclaim in station:</b> Item pickup at an airport, a train station or a travel agency.
<b>Rapidity</b>	Shipping speed: <b>Express</b> (less than 24h) or standard. <b>Standard</b> <b>Priority</b> (reserved to click & Collect)
<b>Delay</b>	In case of picking up the item at the shop (Click & Collect) with priority delivery, select the delivery delay from the following options: $\leq 1$ hour $> 1$ hour <b>Immediate</b> <b>24/7</b>
<b>Address</b>	In case of store pickup, populate this field as follows: NAME of the PICKUP POINT + POSTAL CODE + CITY

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

## 5.2. One-time payment

Module option	
<b>Activation</b>	In order to enable the one-time payment method, select <b>Enabled</b> . This option is <b>disabled</b> by default.
<b>Payment method title</b>	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 supports several languages, you can also define the title of the payment method for each language.
<b>Order</b>	If you offer several payment methods, enter a number in the <b>Sort order</b> field to determine the position of this payment method. The payment methods appear in ascending order according to the <b>Sort order</b> value.
<b>Logo</b>	Choose the <b>Logo</b> that you wish to display during checkout.
Restrictions	
<b>Supported countries</b>	Configure the countries for which the payment method is available: <ul style="list-style-type: none"> <li>• <b>All countries:</b> the payment method is available for all countries.</li> <li>• <b>Specific countries:</b> after choosing this option, the list of <b>Authorized countries</b> appears. Press and hold "Ctrl" and select the countries of your choice from the list of <b>Authorized countries</b>.</li> </ul>
<b>Minimum amount</b>	This field defines the minimum amount for which you wish to offer this payment method. By defining a minimum amount for <b>ALL GROUPS</b> , 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.
<b>Maximum amount</b>	This field defines the maximum amount beyond which you do not wish to offer this payment method. By defining a minimum amount for <b>ALL GROUPS</b> , 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	
<b>Capture delay</b>	Delay (in days) before the capture for this payment method. If you leave this field empty, the value configured in the <b>General configuration</b> section will be applied. If the <b>Capture delay</b> of the <b>general configuration</b> is empty too, the value configured in the PayZen Back Office will be applied.
<b>Validation mode</b>	Validation mode for this payment method. <b>General configuration:</b> Recommended value. Allows to apply the configuration defined in the <b>General Configuration</b> section. <b>Back Office Configuration:</b> Allows to use the configuration defined in the Back Office. (Menu: Settings > Shop > Configuration – section: validation mode) <b>Automatic:</b> This value indicates that the payment will be captured in the bank automatically without any action on the merchant's part. <b>Manual:</b> This value indicates that transactions will have to be manually validated by the merchant in the Back Office. <b>Warning:</b> if the transaction has not been validated by the merchant before the expiration date, it will never be captured in the bank.
<b>Card types</b>	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"). <b>Warning:</b> The payment types offered to the buyer on the payment page depend on the contracts and options associated with your PayZen offer. It is recommended to select the <b>ALL</b> value.

## Advanced options

### Card data entry mode

The module offers 3 operating modes:

*Bank data acquisition on the payment gateway*

The card type is selected on the PayZen payment page.

*Card type selection on the merchant website*

The card type is chosen when the buyer selects the "Pay by credit card" payment method

The list of available payment methods depends on the configuration of accepted card types (see "Configuration of the card type")

*Card data entry on the merchant website*

This option allows to choose the card type and enter the card number directly on the merchant website.

Requires for the **Card data entry** option to be enabled.

**This option can only be enabled upon agreement of your bank.**

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

## 5.3. Installment payment

Module option	
<b>Activation</b>	In order to enable the installment payment method, select <b>Enabled</b> . By default, this option is <b>Disabled</b> .
<b>Payment method title</b>	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 supports several languages, you can also define the title of the payment method for each language.
<b>Order</b>	If you offer several payment methods, enter a number in the <b>Sort order</b> field to determine the position of this payment method. The payment methods appear in ascending order according to the <b>Sort order</b> value.
<b>Logo</b>	Choose the <b>Logo</b> that you wish to display during checkout.

Restrictions	
<b>Supported countries</b>	Configure the countries for which the payment method is available: <ul style="list-style-type: none"> <li>• <b>All countries:</b> the payment method is available for all countries.</li> <li>• <b>Specific countries:</b> after choosing this option, the list of <b>Authorized countries</b> appears. Press and hold "Ctrl" and select the countries of your choice from the list of <b>Authorized countries</b>.</li> </ul>
<b>Minimum amount</b>	This field defines the minimum amount for which you wish to offer this payment method. By defining a minimum amount for <b>ALL GROUPS</b> , 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.
<b>Maximum amount</b>	This field defines the maximum amount beyond which you do not wish to offer this payment method. By defining a minimum amount for <b>ALL GROUPS</b> , 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	
<b>Capture delay</b>	Delay (in days) before the capture for this payment method. If you leave this field empty, the value configured in the <b>General configuration</b> section will be applied. If the <b>Capture delay</b> of the <b>general configuration</b> is empty too, the value configured in the PayZen Back Office will be applied.
<b>Validation mode</b>	Validation mode for this payment method. <b>General configuration:</b> Recommended value. Allows to apply the configuration defined in the <b>General Configuration</b> section. <b>Back Office Configuration:</b> Allows to use the configuration defined in the Back Office. (Menu: Settings > Shop > Configuration – section: validation mode) <b>Automatic:</b> This value indicates that the payment will be captured in the bank automatically without any action on the merchant's part. <b>Manual:</b> This value indicates that transactions will have to be manually validated by the merchant in the Back Office. <b>Warning:</b> if the transaction has not been validated by the merchant before the expiration date, it will never be captured in the bank.
<b>Card types</b>	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"). <b>Warning:</b> The payment types offered to the buyer on the payment page depend on the contracts and options associated with your PayZen offer.



Payment page	
	It is recommended to select the <b>ALL</b> value.

Advanced options	
<b>Card type selection</b>	<p>The module offers 2 operating modes:</p> <p><i>On the payment gateway</i></p> <p>The card type is selected on the PayZen payment page.</p> <p><i>On the merchant website</i></p> <p>The card type is chosen when the buyer selects the "Pay by credit card in installments" payment method</p> <p>The list of available payment methods depends on the configuration of accepted card types (see "Configuration of the card type")</p>

Installment payment option	
<b>Payment option</b>	<p>This module allows you to create as many credit card installment payment options as you like.</p> <p>Each payment option will have a different code that will be displayed in the order table.</p> <p>To add a payment option, click on <b>Add</b>.</p> <p>Once you have completed the configuration, do not forget to click on <b>Save</b> in order to save your changes.</p>
<b>Label</b>	<p>Text describing the installment payment option as it will be offered to the buyer.</p> <p>Example: Pay in 3 installments with no fees</p>
<b>Minimum amount</b>	<p>Allows to define the minimum amount required to make the payment option available.</p>
<b>Maximum amount</b>	<p>Allows to define the maximum amount required to make the payment option available.</p>
<b>Merchant ID</b>	<p>Merchant ID to use with the option in case your shop has several merchant IDs.</p> <p><b>It is recommended to leave this field empty.</b></p>
<b>Number</b>	<p>Number of installments:</p> <p><b>3</b> for payment in 3 installments</p> <p><b>4</b> for payment in 4 installments</p> <p>Etc.</p>
<b>Delay</b>	<p>Delay (in days) between each installment.</p>
<b>First installment</b>	<p>Amount of the first installment, expressed as a percentage of the total amount.</p> <p>Example:</p> <p>For an amount of 100 XPF paid in 3 installments, you can set the percentage of the first payment at 50% of the total amount. This means that the amount of the first installment will be 50 euros and that the two others will be of 25 euros.</p> <p>For 50% enter <b>50</b>.</p> <p>If you wish to set identical amounts for all installments, leave the field empty.</p>

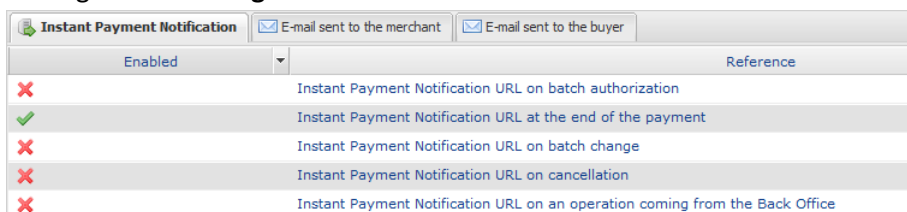
Once you have completed the configuration, click **Save config**.

## 6. SETTING UP THE INSTANT PAYMENT NOTIFICATION URL

Several notification types are provided in the Back Office. They allow to manage events (payment abandoned by the buyer, payment canceled by the merchant, payment validated by the merchant, etc.) that will trigger a call to the merchant website and to configure the URL of the contact page.

To access notification rule management:

1. Sign into: <https://secure.payzen.eu/vads-merchant/>.
2. Go to the following menu: **Settings > Notification rules.**



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 payment
- Instant Payment Notification URL on cancellation
- Instant Payment Notification URL on batch change

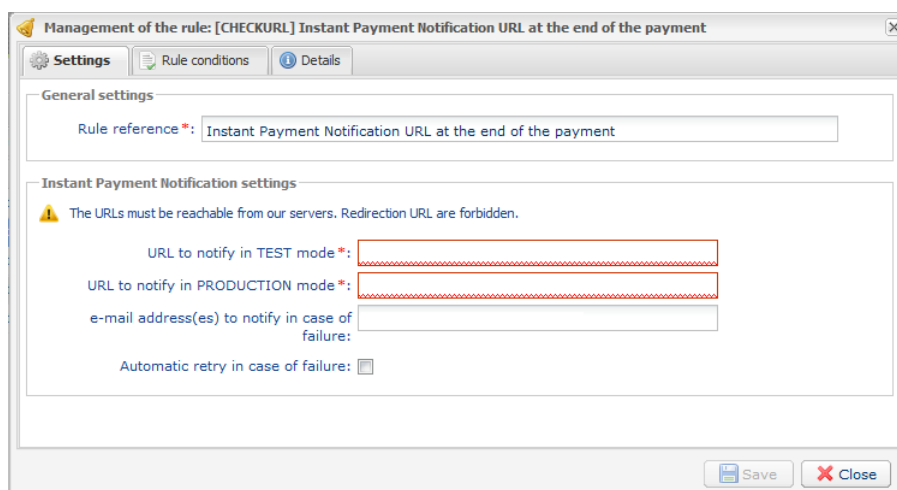
### 6.1. Setting up the Instant Payment Notification

In your PayZen 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 at the end of payment.

To set up this notification:

1. Right-click **Instant Payment Notification URL at the end of payment.**
2. Select **Manage the rule.**
3. Enter the following URL in the fields **URL to call in TEST mode** and **URL to call in PRODUCTION mode**: <http://www.mydomain.com/index.php/payzen/payment/check/>



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

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

6. Configure the **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** of *Implementation guide Hosted Payment Page*.

7. Save the changes.

If the gateway is unable to access the URL of your page, an e-mail will be sent to the address specified in step 4.

It contains:

- the HTTP code of the encountered error
- parts of analysis depending on the error
- its consequences,
- instructions to resend the notification to the URL specified in step 3 from the PayZen Back Office .

## 6.2. Setting up notifications in case of abandoned or canceled payments

The payment gateway can systematically notify the merchant website:

- In case the buyer abandons/cancels the payment, using the **Cancel and return to shop** button.
- When the buyer has not completed the payment process before the payment session expired.

**The maximum length of a payment session is 10 minutes.**

To set up this notification:

1. Right-click **Instant Payment Notification URL on cancellation**.

2. Select **Manage the rule**.

3. Enter the following URL in the fields **URL to call in TEST mode** and **URL to call in PRODUCTION mode**: <http://www.mydomain.com/index.php/payzen/payment/check/>

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

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

6. Configure the **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).

7. Save the changes.

If the gateway is unable to access the URL of your page, an e-mail will be sent to the address specified in step 4.

It contains:

- the HTTP code of the encountered error
- parts of analysis depending on the error

- its consequences,
- instructions to resend the notification to the URL specified in step 3 from the PayZen Back Office .

### 6.3. Testing the Instant Payment Notification URL

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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 PayZen 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.

## 7. PROCEEDING TO TEST PHASE

Now that 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.

The list of the tests to perform is provided in the PayZen Back Office, via the menu **Settings > Shop > Certificates**.

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 vada\_page\_action parameter must be set to PAYMENT.

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 certificate" 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 the production certificate

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 in the list. Click on **Refresh the table** button if the status has not been updated automatically.
6. Once the 4 tests have been validated, the **Generate the production certificate** 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 vada\_page\_action parameter must be set to PAYMENT.

CB	Mastercard	Maestro	Visa Electron	Payment date	Test status
4970100000000014	5970100300000018	5000550000000029	4917480000000008	02/08/2017 11:45:03	✔
4970100000000055	5970100300000067	5000550000000052	4917480000000057	02/08/2017 11:53:32	✔
4970100000000063	5970100300000075	5000550000000060	4917480000000065	02/08/2017 11:53:47	✔
4970100000000071	5970100300000083	5000550000000078	4917480000000073	02/08/2017 11:54:22	✔

Refresh the table

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

Generate the production certificate

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

The production key is now available.

## 8. SHIFTING THE SHOP TO PRODUCTION MODE

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

- Retrieve the production certificate provided in the Back Office (**Settings > Shop > Certificates**).
- In the module configuration parameters:
  - Populate the **Production certificate** 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 settings have been configured, we recommend to make a first real payment.

You will be able to cancel this payment in the Back Office. This transaction will not be captured in the bank.

### **Note on the production certificate:**

For security reasons, this certificate will no longer be visible after the first transaction in production mode has been made from your shop.

### **Note on the TEST mode:**

When your 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 certificate** is correctly specified.
- Save the changes.

## 9. PAYMENT VIA THE MAGENTO BACK OFFICE

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The merchant has:

- opted for an offer that includes a VAD contract for manual payments,
  - opted for an offer that includes the option "Payment by another channel".
1. Via the **Sales** menu > **Orders** menu the merchant clicks on "**Create New Order**"
  2. The merchant selects the user account or creates a new one.
  3. If the Magento module has several shops, the merchant selects the shop where he/she wishes to create the order.
  4. The merchant fills the shopping cart.
  5. The merchant selects the payment method.
  6. The merchant selects the shipping method.
  7. The merchant validates the order.
  8. The browser is redirected to the payment page. The merchant proceeds to payment by filling in the card details transmitted by the buyer. For this payment mode, the 3D-Secure authentication is not required.
  9. At the end of the payment, the browser is redirected to the order detail page.

## 10. FULL/PARTIAL REFUND

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This module allows to partially or fully refund an order via Magento and to automatically perform the operations required for the associated transaction in PayZen.

The orders paid in installments by bank card must be refunded directly via the PayZen back office.

**The PayZen offer allowing the use of Web Service "standards" must be enabled for this option.**

To perform a refund:

1. In the menu **Sales > Invoices** > Select the order for refund.
2. Click on the **Credit Memo** button.
3. Enter the number of items and the amount for the refund and click on the **Refund** button.

The module generates a `getPaymentDetails` request to obtain the status of the transaction.

Depending on the result, it triggers a call:

- `updatePayment` to lower the transaction amount before capture in the bank
  - `cancelPayment` to cancel the transaction before capture in the bank
  - `refundPayment` to fully or partially refund the transaction.
4. The order is automatically updated in Magento.



## 11. DOCUMENTATION UPDATE

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As we constantly strive to improve the understanding and proper use of this product documentation, we welcome constructive remarks from our users.

Please send us your comments and suggestions to the following address: [support@payzen.eu](mailto:support@payzen.eu) Do not forget to specify the version of Magento and of the payment module you use.