



## **Payment module integration for Odoo**

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# 1. RELEASE NOTES

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Version	Date	Comments
1.1	17/06/2019	Creation of the document

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## 2. MODULE FEATURES

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The payment module offers the following features:

- Single payment,
- compatibility with Odoo version 10-12,
- multi-language compatibility,
- multi-currency compatibility,
- selective 3D-Secure depending on the order amount,
- automatic redirection to the shop at the end of payment,
- systematic registration of orders at the end of payment via a silent URL (Instant Payment Notification URL).

### 3. READ CAREFULLY BEFORE GOING ANY FURTHER

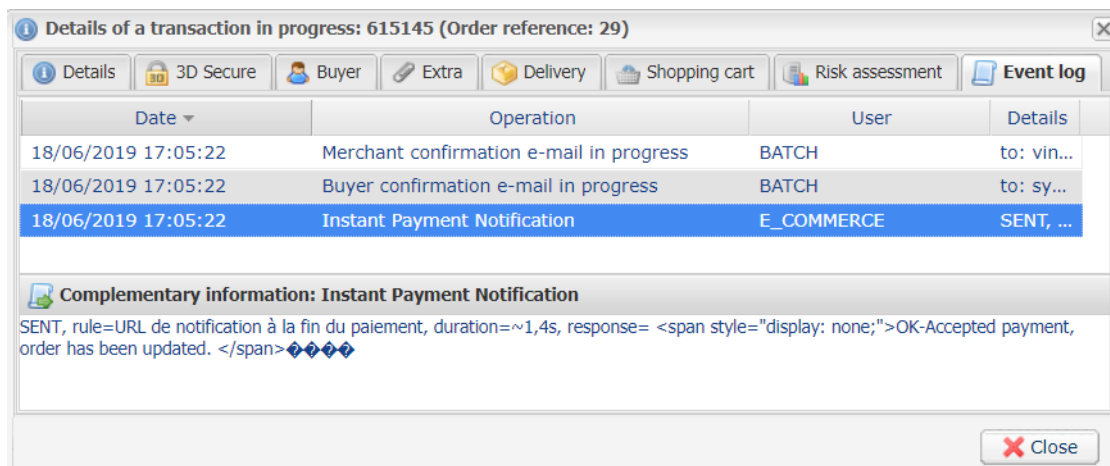
The most frequent error concerns the Instant Payment Notification URL. The Instant Payment Notification URL is the only way the PayZen gateway can notify you at the end of your payment. The chapter **Setting up the end of payment notification** must be read thoroughly and the provided instructions must be respected. It is essential to understand the difference between the Instant Payment Notification URL and the return URL which is called only if the buyer clicks on "Return to shop".

Common errors:

- **If your Odoo shop is in maintenance mode**
- **If your Instant Payment Notification URL is protected by an .htaccess file**
- **If you have blocked the IP addresses of the payment gateway**
- **If 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.



The screenshot shows a window titled "Details of a transaction in progress: 615145 (Order reference: 29)". It features a navigation bar with tabs: Details, 3D Secure, Buyer, Extra, Delivery, Shopping cart, Risk assessment, and Event log. Below the navigation bar is a table with the following data:

Date	Operation	User	Details
18/06/2019 17:05:22	Merchant confirmation e-mail in progress	BATCH	to: vin...
18/06/2019 17:05:22	Buyer confirmation e-mail in progress	BATCH	to: sy...
18/06/2019 17:05:22	Instant Payment Notification	E_COMMERCE	SENT, ...

Below the table, there is a section titled "Complementary information: Instant Payment Notification" with the following text: "SENT, rule=URL de notification à la fin du paiement, duration=~1,4s, response= <span style='display: none;'>OK-Accepted payment, order has been updated. </span>".

## 4. PREREQUISITES

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

- **Payment module file:** PayZen\_Odoo\_10-12\_v1.1.x.zip
- **Your shop ID**
- **Test or Production key**

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



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

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

**WARNING:** All our payment modules are tested starting from PHP version 5.3.

Therefore, all the later PHP versions are no longer supported by our modules. If you have an earlier version, you should ask your host to install a more recent version on your server prior to contacting us.

Please note that the version 5.3 is already no longer supported by php: <http://php.net/supported-versions.php>

## 5. INSTALLING AND CONFIGURING THE PAYMENT MODULE

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### 5.1. Update

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If the payment module has already been installed, you must delete the **payment\_payzen** folder from the addons directory.

The addons directory can be found via:

- /server/odoo/addons/ for Windows servers.
- /var/lib/odoo/addons/[VERSION]/ for Linux servers.

If there are no addons in any of these paths, check the **addon\_path** line in the odoo.conf file. The path indicates the location of addons.

### 5.2. Installation of the module

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1. Unzip the **PayZen\_Odoo\_10-12\_v1.1.x.zip** file.
2. Copy the **payment\_payzen** directory into the addon folder of Odoo.
3. The addons directory can be found via:

- /server/odoo/addons/ for Windows servers.
- /var/lib/odoo/addons/[VERSION]/ for Linux servers.

If there are no addons in any of these paths, check the **addon\_path** line in the odoo.conf file. The path indicates the location of addons.

4. In order to update the cache of Odoo applications, you must:
  - Enable the developer mode via the Odoo Back Office (**Configuration > Activate the developer mode**), then go to **Apps** and select **Update Apps List**.
  - Restart the Odoo server using the **sudo systemctl restart odoo** command on Linux, or by restarting the Odoo service via Windows.
5. Go to **Applications** via the Odoo Back Office.
6. Remove the **Applications** filter in the search bar and enter payzen.
7. Click the install (or update) button.

## 6. CONFIGURING THE PAYMENT MODULE

Via the Odoo Back Office:

1. Go to **Website**.
2. In **Configuration**, click **Payment intermediaries** in the **eCommerce** category.
3. Click the **Configure** or **Enable** button of the PayZen module.
4. Click the **Edit** button to configure the payment module.

Basic settings	
<b>Name</b>	This option allows you to define the name of the payment method. The buyer will see this title when choosing a payment method. The default label is PayZen.
<b>Provider</b>	It is strongly recommended to select the PayZen value.
<b>Website</b>	Select the website for which you wish to enable the payment module. Delete the field value so that the module is enabled on your websites.
<b>Mode</b>	By clicking the square icon, the payment module shifts into <b>PRODUCTION</b> mode. By clicking the triangle icon, the payment module shifts into <b>TEST</b> mode.
<b>Published</b>	If the value indicates <b>Published</b> , the payment method is enabled on the merchant website. If the <b>Disabled</b> value appears, the payment module is not active. Click the button to shift from one mode to another.

The payment module configuration is divided into three parts:

- Identities
- Messages
- Configuration

These parts are described in the following chapters.



## 6.1. Identities

Access to the payment gateway	
Shop ID	Specify the 8-digit shop ID available in your Merchant Back Office (Menu: <b>Settings &gt; Shop &gt; Keys</b> ).
Test key	Specify the test key available via your Merchant Back Office (Menu: <b>Settings &gt; Shop &gt; Keys</b> ).
Production key	Specify the production key available in your Merchant Back Office (Menu: <b>Settings &gt; Shop &gt; Keys</b> ). Note that the production key will only become available after the test phase has been completed.
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 ( <b>Settings &gt; Shop &gt; Keys</b> ). 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 ( <b>Settings &gt; Notification rules &gt; Notification URL at the end of payment &gt; Notification URL of the Hosted payment page V1, V2</b> menu): <a href="http://www.your-domain.com/payment/payzen/ipn">http://www.your-domain.com/payment/payzen/ipn</a>
Payment page URL	This field is pre-populated by default: <a href="https://secure.payzen.eu/vads-payment/">https://secure.payzen.eu/vads-payment/</a>
Payment page	
Default languages	This option allows to choose the default language of the payment page in case the language of Odoo is not supported by PayZen. If the language(s) used by the Odoo is (are) implemented into PayZen, the payment page will be displayed in the language of Odoo when the buyer clicks on "Pay".
Available languages	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. <u>Available languages:</u> German, English, Chinese, Spanish, French, Italian, Japanese, Dutch, Polish, Portuguese, Russian, Swedish, Turkish.
Capture delay	By default, this parameter is managed in your Merchant Back Office. (Menu: <b>Settings &gt; Shop &gt; Configuration</b> - section: Capture delay) It is recommended to not populate this parameter.
Validation mode	<b>Back Office Configuration:</b> Recommended value. Allows to use the configuration defined in the Merchant 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 the transactions will require manual validation by the merchant via the Merchant Back Office. <b>Warning:</b> 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 <b>Instant Payment Notification rule on an operation coming from the Back Office</b> to update the order status in Odoo.
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 PayZen offer. It is recommended to leave empty the parameter.
Selective 3DS	
Disable 3DS	Amount below which 3DS will be disabled. Below this amount, 3DS risk assessment rules will not be applied. Leave empty to use the payment gateway configuration.

Selective 3DS	
	<p><b>WARNING:</b></p> <p>The value of this field will be taken into account only if the option “Selective 3D-Secure” is enabled for your PayZen shop.</p> <p>This option can only be enabled upon agreement of your bank.</p> <p>Some card types, such as MAESTRO, require a mandatory 3DS authentication. In this case, your configuration will not be taken into account.</p>

Return to shop	
<b>Automatic redirection</b>	<p>This option allows to automatically redirect the buyer to the merchant website. This option depends on the following settings.</p> <p>This option is disabled by default.</p>
<b>Time before redirection (success)</b>	<p>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.</p>
<b>Message before redirection (success)</b>	<p>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.</p> <p>The default message is: “Redirection to the shop in a moment”.</p>
<b>Time before redirection (failure)</b>	<p>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.</p>
<b>Message before redirection (failure)</b>	<p>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.</p> <p>The default message is: “Redirection to the shop in a moment”.</p>
<b>Return mode</b>	<p>During the redirection to the shop, these parameters are returned to the shop in <b>GET</b> or <b>POST</b> modes.</p> <p>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.</p>

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

## 6.2. Messages

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Messages	
<b>Thanks Message</b>	The specified text will appear as the “thank you” message on the return page if the payment is accepted.
<b>Pending Message</b>	The specified text will appear on the return page in case the payment is made but not validated.
<b>Done Message</b>	The specified text will appear on the return page in case the payment is accepted.
<b>Cancel Message</b>	This message will never be displayed, there is no need to configure it.
<b>Error message</b>	This message will never be displayed, there is no need to configure it.

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

## 6.3. Configuration

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Configuration	
<b>Payment log</b>	The <b>Bank (EUR)</b> value is recommended.
<b>Specific countries</b>	By checking this box, you can configure a list of countries for which the payment module will be displayed. The module will be displayed if the buyer enters one of the specified countries as the billing address.
<b>Form button model</b>	The <b>payzen_acquirer_button</b> button specified by default is recommended.
<b>S2S form model</b>	It is recommended to leave it empty.
<b>Supported payment icons</b>	This field is used to display the card view that you want to appear on the payment methods selection page.

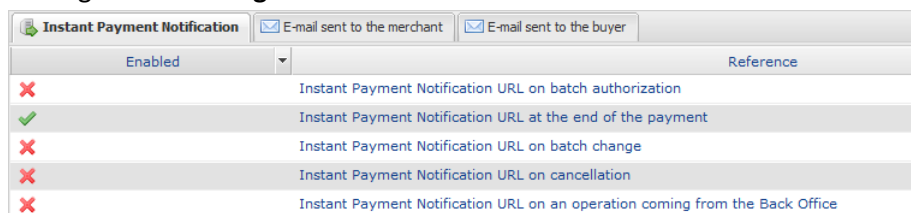
Once you have completed the configuration, click on **Save**.

## 7. SETTING UP THE INSTANT PAYMENT NOTIFICATION URL

Several types of notifications are provided in the Merchant 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.**



Instant Payment Notification		<input checked="" type="checkbox"/> E-mail sent to the merchant	<input checked="" type="checkbox"/> 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 payment

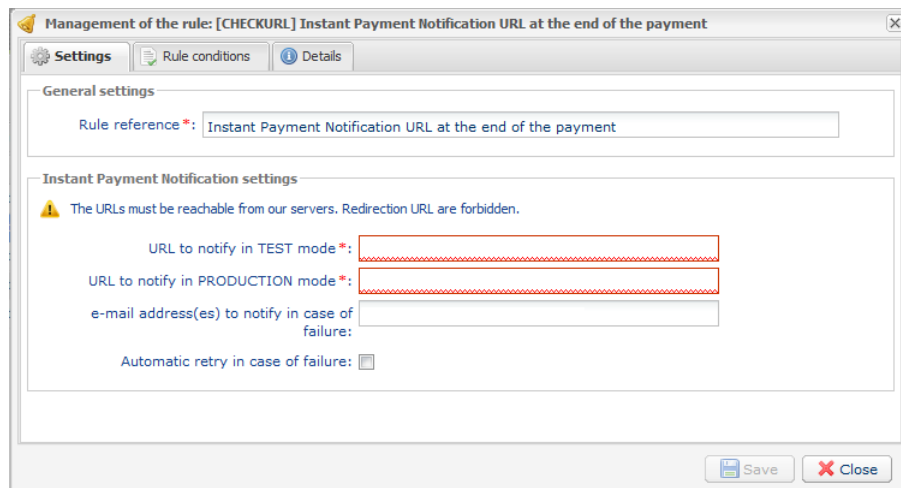
## 7.1. Setting up the Instant Payment Notification

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 payment.

To set up this notification:

1. Right-click the **Instant Payment Notification URL at the end of payment** line.
2. Select **Enable the rule**.
3. Make a right click on **Instant Payment Notification URL at the end of 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**:  
**http://www.your-domain.com/payment/payzen/ipn**



The screenshot shows a dialog box titled "Management of the rule: [CHECKURL] Instant Payment Notification URL at the end of the payment". It has three tabs: "Settings", "Rule conditions", and "Details". The "Settings" tab is active. Under "General settings", there is a field for "Rule reference \*" containing the text "Instant Payment Notification URL at the end of the payment". Under "Instant Payment Notification settings", there is a warning icon and the text "The URLs must be reachable from our servers. Redirection URL are forbidden." Below this are four fields: "URL to notify in TEST mode \*:", "URL to notify in PRODUCTION mode \*:", "e-mail address(es) to notify in case of failure:", and "Automatic retry in case of failure:" with a checkbox. At the bottom right, there are "Save" and "Close" buttons.

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).

For more information, see chapter **Activating the automatic retry** of the *Hosted Payment Page Implementation guide*.

9. Save changes.

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.

## 7.2. Testing the Instant Payment Notification URL

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1. Make sure that your URL is available online: your shop must not be **in maintenance mode**.
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.

If the order has not been created in the Odoo Back Office, this means that the call has failed.

## 8. 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.

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 is provided in the Merchant Back Office, via the menu **Settings > Shop > Keys**.

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.

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 the production key

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 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.

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

The production key is now available.



## 9. SHIFTING THE SHOP TO PRODUCTION MODE

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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 certificate 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 settings have been configured, we recommend to make a first real payment.

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

### **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:**

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 key** is correctly specified.
- Save the changes.

## 10. GETTING IN TOUCH WITH TECHNICAL SUPPORT

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Looking for help? Check our FAQ on our website

<https://payzen.io/fr-FR/faq/sitemap.html>

For technical inquiries or support, you can reach us from Monday to Friday, between 9am and 6pm

by phone at:

**0811708709**

Service fee 0.06 € / min  
+ call charge

by e-mail:

[support@payzen.eu](mailto:support@payzen.eu)

via your Merchant Back Office:

(Menu: **Help** > **Contact support**)

To facilitate the processing of your demands, you will be asked to communicate your shop ID (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**).