



e-payment gateway

Payment module integration for Virtuemart 3

Version 2.0.1

Release notes

Version	Date	Comments
2.0.1	05-Mar-2015	<p><u>Bug fixes:</u></p> <ul style="list-style-type: none">• In Joomla 3, redirection to the payment page used to fail (<i>Fatal error: Class 'PayZenApi' not found in \plugins\vmpayment\payzen\payzen.php on line 155</i>).• The difference between the paid amount and the order amount does not exist anymore. The amount transmitted to the payment platform is now rounded-up, as at Virtuemart, to display the shopping cart amount.• The logo is now loaded in the right folder.• The user ID in Joomla is now sent to the payment platform (vads_cust_id)
1.1	19-Jan-2015	<p><u>Bug fixes:</u></p> <p>Correction of apostrophe management that used to generate an error with signature computation during the return to the shop.</p>
1.0	14-Jan-2015	Creation of the module

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1. MODULE FEATURES

The payment module contains the following features:

- Compatibility with VirtueMart version 3.0 and higher,
- Multi-language compatibility,
- Multi-currency compatibility,
- Selective 3D-Secure depending on the order amount,
- Automatic redirection to the shop at the end of payment
- Configuration of a minimum/maximum amount for each payment method
- Order status management for accepted and delined payments,
- Systematic registration of orders at the end of payment via a silent URL (Instant Payment Notification URL)

2. READ CAREFULLY BEFORE GOING ANY FURTHER

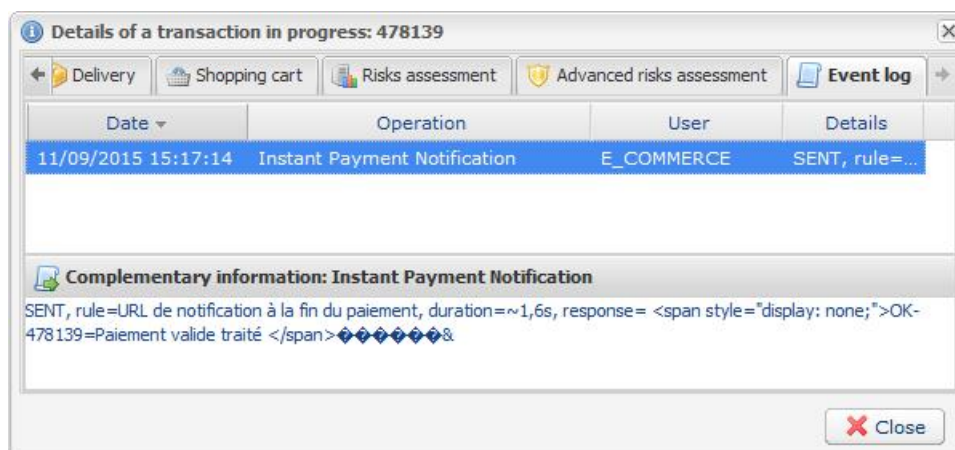
The most frequent error concerns the Instant Payment Notification URL. The Instant Payment Notification URL is the only way the PayZen platform can notify you at the end of your payment. The chapter **Setting up the end of payment notification** must be read thoroughly and the provided instructions must 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 mistakes:

- **If your Virtuemart shop is in maintenance mode**
- **If your IPN URL is protected by an .htaccess file**
- **If you have blocked the IP addresses of the payment platform**
- **If you have not coded the IPN URL within the PayZen Back Office**

How to check that the IPN URL has been called:

In the PayZen Back Office, display the payment details (double click) and select the **Event log** tab.

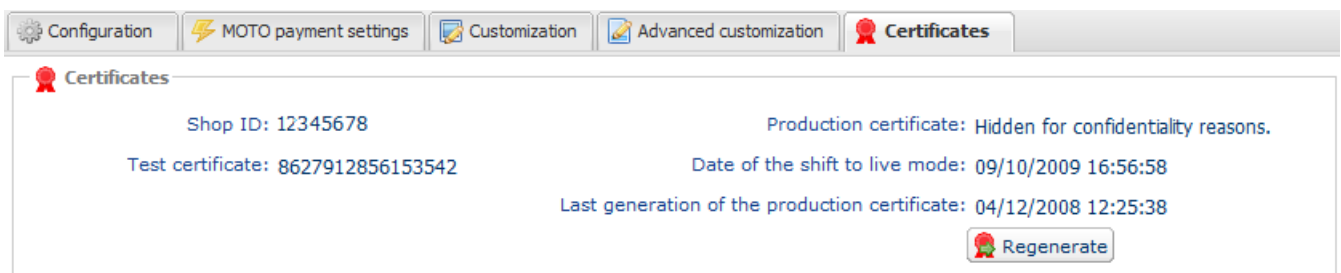


3. PREREQUISITES

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

- **Payment module file:** PayZen_Virtuemart_3.x_v2.0.1.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**)



The screenshot shows the 'Certificates' section of the PayZen Back Office. It includes a navigation bar with tabs for Configuration, MOTO payment settings, Customization, Advanced customization, and Certificates. The Certificates tab is active, displaying the following information:

- Shop ID: 12345678
- Test certificate: 8627912856153542
- Production certificate: Hidden for confidentiality reasons.
- Date of the shift to live mode: 09/10/2009 16:56:58
- Last generation of the production certificate: 04/12/2008 12:25:38

A 'Regenerate' button is located at the bottom right of the certificate information area.

Your PayZen Back Office is available at this address: <https://secure.payzen.eu/vads-merchant/>

4. INSTALLATION OF THE PAYMENT MODULE

1. Connect to the administration page of Joomla (/administrator/index.php).
2. Go to **Extensions** > **Extension management**.
3. Open the **Installation** tab, click on **Browse** in the **Archive to send** view.
4. Navigate to the location where you have saved the PayZen_Virtuemart_3.x_v2.0.1.zip file and select it.
5. Click on **Send**.

5. ACTIVATION OF THE PLUGIN

If the payment module is not activated,

1. Go to **Extensions** > **Plugin management**.
2. Type **payzen** in the search field and click on **Search**.
3. Activate the module by clicking on **Activate** button situated in the toolbar in the top right corner of the window.

6. ADDING A NEW PAYMENT METHOD

1. Go to **VirtueMart > Payment method**
2. Click on the **New** button in the toolbar situated in the top right corner of the window.
3. Populate the fields of the **Payment method details** tab as follows:
 - Name of the payment method: Enter **PayZen**, for example.
 - Published: Yes
 - Description of the payment method: Enter **Pay by credit card**, for example.
 - Payment method: Select VM-Payment, PayZen
 - Client group: default
 - Order: Leave empty or modify depending on the desired display order.
4. Click on **Save**.

7. CONFIGURING THE PAYMENT MODULE

After you have added a new payment method, you can proceed to its configuration.

Click on the **Configuration** tab to access the configuration view.

Information about the module

Developed by	Lyra Network
Contact e-mail	support@payzen.eu
Module version	2.0.1
Platform version	V2

Module parameters	
Logos	Allows to display an image when selecting a payment method during an order.
Enable the debug function	Allows to enable log generation.
Transaction fees	Allows to charge extra fees when this payment method is selected during the order process.
Percentage of the total amount	Allows to apply a markup to the total amount when this payment method is selected during the order process.
Taxes	Allows to configure the tax to apply when this payment method is selected during the order process.
Access to the payment platform	
Shop ID	Enter the 8-digit website identifier available in your PayZen Back Office (Menu: Settings > Shop > Certificates)
Test certificate	Enter the test certificate available in your PayZen Back Office (Menu: Settings > Shop > Certificates)
Production certificate	Enter the production certificate provided in your Back Office (Menu: Settings > Shop > Certificates). Note that the production certificate 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.
Payment platform URL	This field is pre-populated by default: https://secure.payzen.eu/vads-payment/
Server URL	Copy this URL in your PayZen Back Office (Settings > Notification rules > Instant payment Notification URL at the end of the payment): http://www.mon-domaine.fr/index.php?option=com_virtuemart&view=pluginresponse&task=pluginnotification&tmpl=component
Payment page	
Default language	This option allows to choose the default language of the payment page in case the language of the Virtuemart (e.g. Turkish) is not supported by PayZen. If the language(s) used by the Virtuemart are implemented into PayZen, the payment page will be displayed in the language of Virtuemart when the buyer clicks on "Pay".
Available languages	Allows to customize the flag display on the payment page. These flags allow the buyer to change the language. If you do not select any language, all the flags will be displayed on the payment page. In order to select several flags, press and hold the Ctrl key and click on the desired languages. <u>Available languages:</u> French, German, English, Spanish, Chinese, Italian, Japanese, Portuguese, Dutch, Swedish, Russian
Capture delay	By default, this parameter is configured in your Back Office. (Menu: Settings > Shop > Configuration – capture delay)

Payment page

It is recommended to not populate this parameter.

Validation mode

Back Office Configuration: Recommended value.

Allows to use the configuration defined in the Back Office. (Menu: **Settings > Shops > Configuration** --> validation mode)

Manual:

This value indicates that the transactions will have to be manually validated by the merchant via the Back Office.

Attention: if the transaction is not validated by the merchant before the capture date, it will never be captured in the bank.

Automatic:

This value indicates that the payment will be captured in the bank automatically without any action on the merchant's part.

Card types

This field allows to indicate the card thumbnails that will be displayed on the merchant website (see "Card data entry").

Attention:

The payment types available to the buyer on the payment page depend on the contracts and the options associated with your PayZen offer.

It is recommended to leave the value set to **ALL**.

Selective 3DS

Minimum amount for 3DS

The minimum amount for which you wish to require 3D Secure authentication.

WARNING:

The value of this field will be taken into account only if the option "Selective 3D-Secure" is enabled for your PayZen shop.

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

Amount restrictions

Minimum amount

This field defines the minimum amount for which you wish to offer this payment method.

Maximum amount

This field defines the maximum amount beyond which you do not wish to offer this payment method.

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 (successfully completed payment)

In case 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 (successfully completed payment)

In case the **automatic redirection** 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)

Time before redirection (failed payment)

In case 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 (failed payment)	<p>In case the automatic redirection option is enabled, you can define the message that will appear on the platform following a failed payment before your buyer is redirected to the shop.</p> <p>The default message is: "Redirection vers la boutique dans quelques instants" (Redirection to the shop in a moment)</p>
Redirection mode	<p>At the moment of the return to shop, the parameters will be returned in GET or POST mode.</p> <p>The GET mode is more convenient for the buyer as it prevents the browser from displaying a pop-up window announcing that the buyer is leaving the secure https environment for an http environment and forces the buyer to click on "Accept" to return to the shop.</p>
Order status (accepted payment)	<p>This option allows to define the status of an order that was successfully paid with this payment method.</p> <p><u>Default value:</u> Confirmed</p>
Order status (failed payment)	<p>This option allows to define the status of an order with a refused payment.</p> <p><u>Default value:</u> Canceled</p>

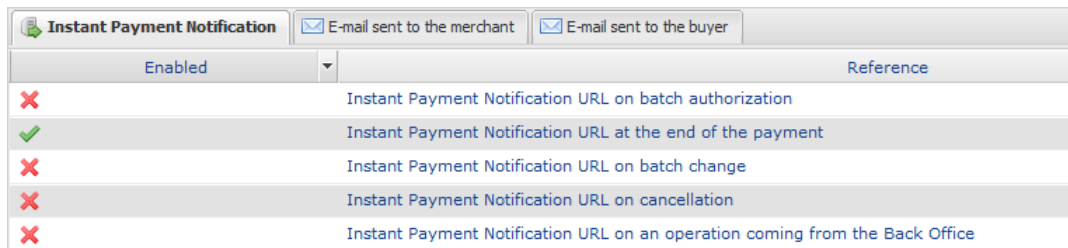
To validate the configuration of the module, click on **Save** in the toolbar in the top right corner of the window.

8. CONFIGURATION OF THE INSTANT PAYMENT NOTIFICATION URL

Several notification types are made available 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 generate a call to the merchant website and configure the URL of the page to contact.

To access the notification rule management:

1. Connect to: <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

8.1. Setting up the end of payment notification

You must set up a URL in your PayZen Back Office that will be called after a payment. It will inform the merchant website of the result of the payment even if your client does not click on the return to the shop button.

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

To set up this notification:

1. Right-click on **Instant Payment Notification URL at the end of the payment.**
2. Select **Manage the rule.**
3. Fill in the **URL to notify in TEST mode** and **URL to notify in PRODUCTION mode** fields: **`http://www.mon-domaine.fr/index.php?option=com_virtuemart&view=pluginresponse&task=pluginnotification&tmpl=component`**

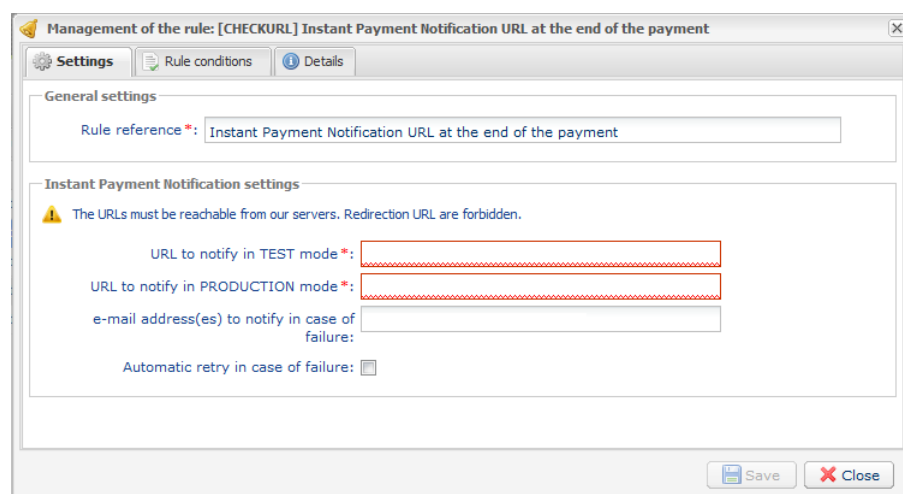


Figure 2: Setting up the end of payment notification

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

5. To enter several e-mail addresses, separate them by a semi-colon.

6. Configure the **Automatic retry in case of failure**.

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

For more information, see chapter **Activating the automatic retry** of the implementation guide available on our documentation website :

7. Save the changes.

If the platform is unable to access the URL of your page, an e-mail will be sent to the address specified in step 6.

It contains:

- the HTTP code of the encountered error,
- parts of error analysis,
- its consequences,
- instructions to resend the request to the URL specified in step 5 from the PayZen Back Office.

8.2. Setting up notifications in case of abandoned/canceled payments

It is possible to configure the settings so that the payment gateway systematically notifies the merchant website:

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

The maximum length of a payment session is 10 minutes.

To set up this notification:

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

2. Select **Manage the rule**.

3. Fill in **URL to notify in TEST mode** and **URL to notify in PRODUCTION mode** fields: `http://www.mon-domaine.fr/index.php?option=com_virtuemart&view=pluginresponse&task=pluginnotification&tmpl=component`

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

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

6. 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**

7. Save the modifications.

If the payment gateway is unable to access the URL of your page, an e-mail will be sent to the address specified in step 6.

It contains:

- the HTTP code of the encountered error,
- analysis parts for the error,
- Instructions to resend the notification to the URL specified in step 5 from the PayZen Back Office.

8.3. 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 the "Automatic redirection" option is disabled in the payment module settings.
3. Check that the **Instant Payment Notification URL at the end of payment** is populated in the PayZen Back Office (see above).
4. Make an order on your website and proceed to payment.
5. Do not click on "Return to shop" at the end of payment.

9. SHIFTING THE SHOP TO PRODUCTION MODE

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 IPN URL in production mode as described in the chapter **Setting up the IPN 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 by 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.

10. DOCUMENTATION UPDATE

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

Please send us your comments and suggestions to the following address: support@payzen.eu. You must specify the version of Virtuemart and of the payment module you use.