



COLLECTING SOLUTION

Payment module integration for Ubercart

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1. RELEASE NOTES

Version	Date	Comment
2.1	9/25/2019	Initial version

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2. MODULE FEATURES

The payment module offers the following features:

- Single payment,
- payment in installments with the possibility to offer several options for installment payments (2, 3, 4 installments, etc.),
- compatibility with Ubercart version 7.x-3.x,
- multi-language compatibility,
- multi-currency compatibility,
- selective 3D-Secure depending on the order amount,
- automatic redirection to the shop once the payment has been made,
- definition of a minimum/maximum amount for each payment method,
- systematic registration of orders at the end of payment via a silent URL (Instant Payment Notification URL).

3. READ CAREFULLY BEFORE GOING ANY FURTHER

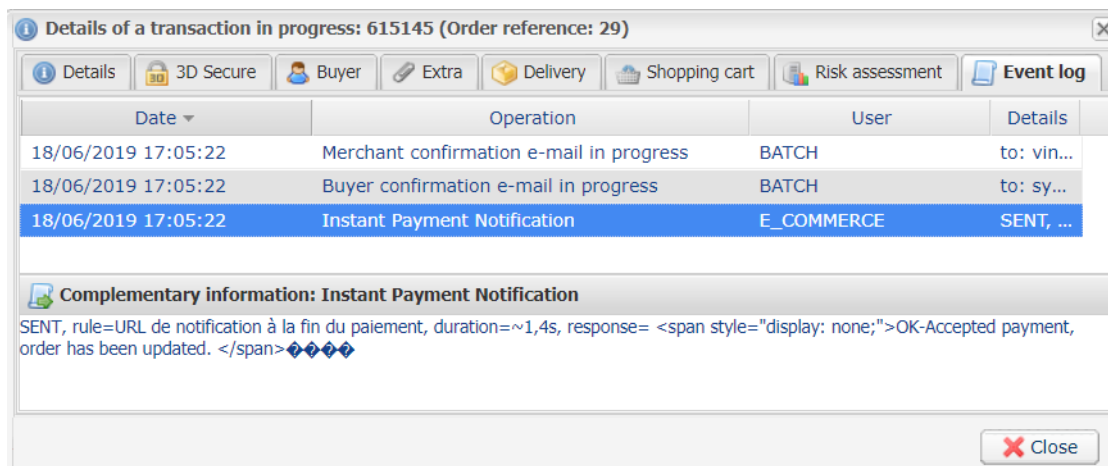
The most frequent error concerns the Instant Payment Notification URL. The Instant Payment Notification URL is the only way the Lyra Collect gateway can notify you at the end of your payment. The chapter **Setting up the end of payment notification** must be read thoroughly and the provided instructions 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 Ubercart 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 Expert Back Office**

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

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



The screenshot displays a window titled "Details of a transaction in progress: 615145 (Order reference: 29)". The window has several tabs: Details, 3D Secure, Buyer, Extra, Delivery, Shopping cart, Risk assessment, and Event log. The Event log tab is active, showing 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, ...

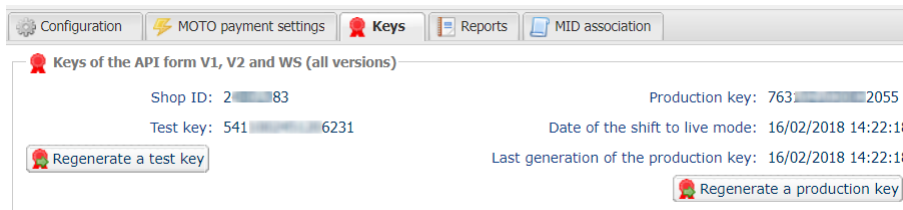
Below the table, there is a section titled "Complementary information: Instant Payment Notification" with the following text: "SENT, rule=URL de notification à la fin du paiement, duration=~1,4s, response= OK-Accepted payment, order has been updated. ".

4. PREREQUISITES

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

- **Payment module file:** Lyra_Ubercart_7.x-3.x_v2.1.x.zip
- **Your shop ID**
- **Test or Production key**

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



Reminder, your Lyra Collect Back Office is available at this address:

<https://secure.lyra.com/portal/>

Click Other actions and sign into your Expert Back Office.

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

5.1. Installing the payment module

1. Unzip the **Lyra_Ubercart_7.x-3.x_v2.1.x.zip** file.
2. Copy the **uc_lyra** directory and paste it in the **sites/all/modules/ubercart/payment** directory of your site.

5.2. Activating the payment module

1. Go to the **Modules** menu of your Drupal Back Office.
2. Look for the Lyra module located in the **UBERCART - PAIEMENT** section.
3. Verifies that the **Enabled** box is checked, if it is not, checks the box and clicks on the **Save the configuration** button then on **Continue** button.

5.3. Translating the module

To import the module translation files, you must:

1. Go to the **Configuration** menu of your Drupal Back Office.
2. Click **Translate Interface** in the **Regionalization and Language** section.
3. Select the **Import** tab.
4. Click the browse button and look for the **uc_lyra.xx.po** file in the payment module. The file is in the **uc_lyra** directory of the payment module.
xx is the translation language you want to add, for example fr for French.
5. Click on the **Import** button.

5.4. Configuring the payment module

1. Go to **Shop > Payment Methods** menus.
2. The list of payment methods is displayed, click on **Lyra - One-time payment** for one-time payment or **Lyra - Payment in installments** for payment in installments.

General configuration

Access to the payment gateway	
Shop ID	Specify the 8-digit shop ID available in your Expert Back Office (Menu: Settings > Shop > Keys).
Test key	Specify the test key available via your Expert Back Office (Menu: Settings > Shop > Keys).
Production key	Specify the production key available in your Expert Back Office (Menu: Settings > Shop > Keys).
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 Expert Back Office (Settings > Shop > Keys). If the algorithm is different, the parameter will have to be modified via the Expert Back Office.
Instant Payment Notification URL	URL to copy in your Expert Back Office (Settings > Notification rules > Notification URL at the end of payment > Notification URL of the Hosted payment page V1, V2 menu): http://www.your-domain.com/ubercart/cart/lyra_notify
Payment page URL	This field is pre-populated by default: https://secure.lyra.com/vads-payment/

Payment page	
Default languages	This option allows to choose the default language of the payment page in case the language of Ubercart is not supported by Lyra Collect. If the language(s) used by the Ubercart is (are) implemented into Lyra Collect, the payment page will be displayed in the language of Ubercart 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. 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	By default, this parameter is managed in your Expert 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 Expert 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 Expert Back Office.

Payment page	
	<p>Warning: if the transaction is not validated by the merchant before the expiration date, it will not be captured in the bank.</p> <p>Remember to configure the Instant Payment Notification rule on an operation coming from the Back Office to update the order status in Ubercart.</p>
Card types	<p>This field allows to select the cards logo to be displayed on the payment page.</p> <p>Warning:</p> <p>The payment types offered to the buyer on the payment page depend on the contracts and options associated with your Lyra Collect offer.</p> <p>It is recommended to leave the parameter empty.</p>

Selective 3DS	
Disable 3DS	<p>Amount below which 3DS will be disabled.</p> <p>WARNING:</p> <p>The value of this field will be taken into account only if the option “Selective 3D-Secure” is enabled for your Lyra Collect 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	
Automatic redirection	<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>
Time before redirection (success)	<p>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.</p>
Message before redirection (success)	<p>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.</p> <p>The default message is: “Redirection to the shop in a moment”.</p>
Time before redirection (failure)	<p>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.</p>
Message before redirection (failure)	<p>In case the automatic redirection 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>
Return mode	<p>During the redirection to the shop, these parameters are returned to the shop in GET or POST 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 **Save**.

One-time payment

Module option	
Activation	In order to enable the payment method, select Enabled . This mode est set to Enabled by default.
Name	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 Lyra.

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.

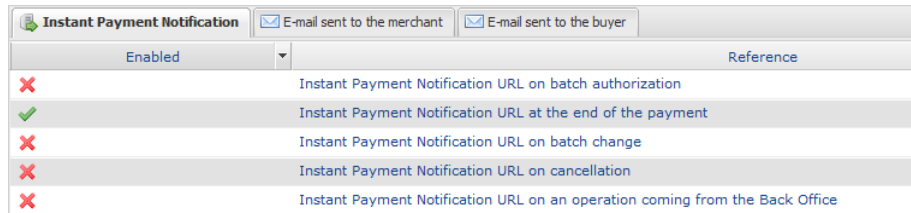
Once you have completed the configuration, click **Save**.

6. SETTING UP THE INSTANT PAYMENT NOTIFICATION URL

Several types of notifications are provided in the Expert 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.lyra.com/portal/>.
2. Click Other actions and sign into your Expert Back Office
3. 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

6.1. Setting up the Instant Payment Notification

This notification is required to communicate the result of a payment request.

In your Expert 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 (Notification URL of the Hosted payment page V1, V2 section)**:

`http://www.your-domain.com/ubercart/cart/lyra_notify`

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 return code returned by the merchant server is not on the following list: **200, 201, 202, 203, 204, 205, 206, 301, 302**.

Automatic retry does not apply to manually triggered notifications from the Expert Back Office.

Call attempts are programmed 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 changes.

6.2. 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 Expert 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 **Store > Orders** menu.

If the order has not been created in the Ubercart 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 from the Expert Back Office the notification to the URL already specified above.

7. SHIFTING THE SHOP TO PRODUCTION MODE

After you receive a confirmation e-mail informing you that your shop has been created in the production environment, you can configure the payment method by following the steps below:

- Retrieve the shop ID and the production key available in the Expert Back Office (**Settings > Shop > Keys**).
- In the module configuration parameters:
 - Replace the shopID.
 - Replace the **Production key** field.
 - Select the 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 Expert 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.

8. OBTAINING HELP

Need some help? Please, check the FAQ on our website

<https://lyra.com/doc/fr/collect/faq/sitemap.html>

For technical inquiries or support, you can reach us from Monday to Friday, between 9 a.m. and 6 p.m.

by phone at:

0811900475

Service fee 0.06 € / min
+ call charge

by e-mail:

support-ecommerce@lyra-collect.com

and via your Expert Back Office, menu **Help > Contact support**