Lyra

Payment module integration for Dolibarr

Contents

1. RELEASE NOTES

Version	Date	Comment
1.0	11/25/2020	Initial version

2. MODULE FEATURES

The payment module offers the following functionalities:

- Immediate payment

- Compatibility with Dolibarr version 11.x-13.x

- Multi-language compatibility

- Multi-currency compatibility

- HMAC-SHA-256 signature algorithm

- Theme configuration for personalizing the payment page (if the option is enabled)

- Automatic redirection to the shop once the payment is made

- Embedded payment fields (REST API)

- Systematic registration of orders at the end of payment via a silent URL (Instant Payment Notification URL)
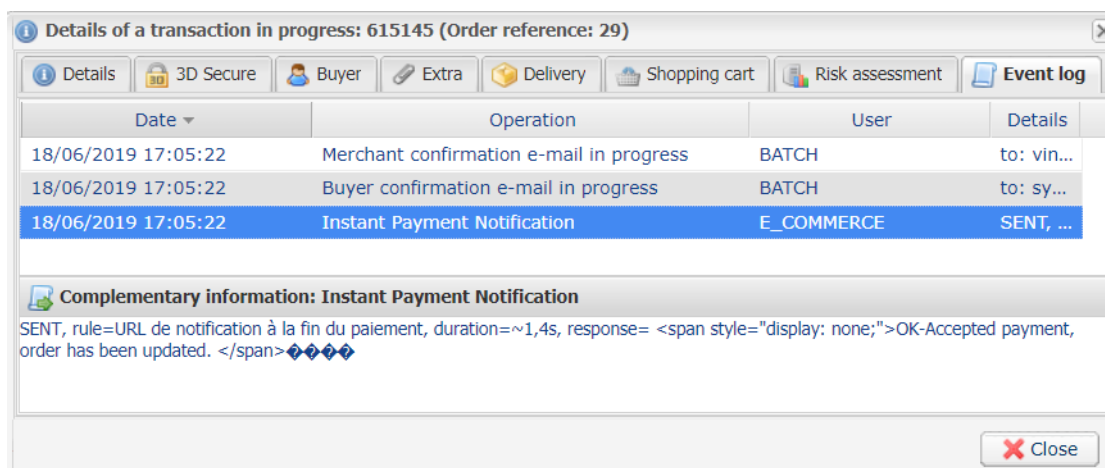
3. READ CAREFULLY BEFORE GOING ANY FURTHER

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".

Frequent errors:

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

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

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

• **You have not encoded the notification URL in the 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.

IMPORTANT: Other topics are also presented in our FAQ, which lists the most frequently asked questions and is regularly updated. The module FAQ is available via the link below in the **Payment modules** section > **Dolibarr 11.x-13.x**:

https://docs.lyra.com/en/collect/faq/sitemap.html

4. PREREQUISITES

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

- **Payment module file**: Lyra_Dolibarr_11.x-13.x_v1.0.x.zip
- **Your shop ID**
- **Test or production key**

The Shop ID and the keys are available in the Expert Back Office (menu: **Settings** > **Shop** > **Keys**)
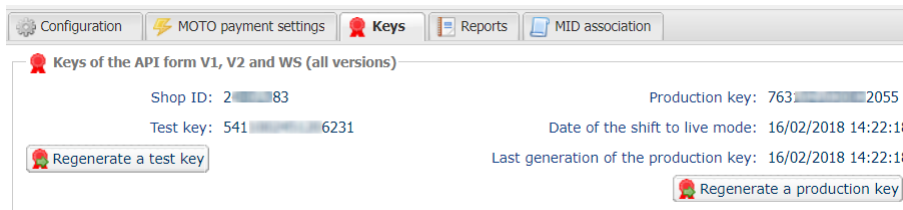
Reminder, your Expert Back Office is available at this address:

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 previous PHP versions are no longer supported by our modules. If you have an earlier version, you must ask your hosting provider to install a more recent version on your server prior to contacting us.

Please note that the 5.3 version is no longer supported by PHP: *http://php.net/supported-versions.php*

5. INSTALLING AND CONFIGURING THE PAYMENT MODULE

5.1. Installing the payment module

There are 2 ways of installing the Lyra module:

Via the Dolibarr Back Office:

1. Sign into your **Dolibarr Back Office**.

2. Go to the **Home** section, and click on the **Configuration** menu.

3. Click on the **Modules / Applications** sub menu.

4. Click on the **Deploy/install external app/module** tab.

5. Click **Browse** and search for the **Lyra_Dolibarr_11.x-13.x_v1.0.x.zip** module.

6. Click the **SEND** button to install the module.

Via FTP:

1. Copy the file via FTP to the root of Dolibarr.

2. Unzip the file by executing the following command:

```
Unzip modulefile.zip
```

5.2. Activating the payment module

Here are the steps for enabling the payment module:

1. Sign into your **Dolibarr Back Office**.

2. Go to the **Home** section, and click on the **Configuration** menu.

3. Click on the **Modules / Applications** sub menu.

4. Click on the **Available app/modules** tab.

5. Enable the module.

   To enable the module, click the ⬭ button.

5.3. Configuring Lyra

To configure the payment module:

1. Sign into your **Dolibarr Back Office**.

2. Go to the **Home** section, and click on the **Configuration** menu.

3. Click on the **Modules / Applications** sub menu.

4. Click on the **Available app/modules** tab.

5. Configure the module.

   Click ✿ to access module configuration.

Access to the payment gateway	
Shop ID	Indicate 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 signature algorithm is in HMAC-SHA-256. This parameter cannot be modified on the module. 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** > **Instant Payment Notification URL at the end of the payment** > **Instant Payment Notification URL of the API form V1, V2** menu).
Payment page URL	This field is pre-populated by default: *https://secure.lyra.com/vads-payment/*

Parameters of the REST API	
Test password	Password allowing to use Web Services or embedded payment fields in test mode. The password is available in your Expert Back Office (Menu: **Settings** > **Shops** > **REST API keys**).
Production password	Password allowing to use Web Services or embedded form in production mode. The password is available in your Expert Back Office (Menu: **Settings** > **Shops** > **REST API keys**).
Public test key	The test public key the test must be filled in if you use the embedded payment fields, such as **Card data entry mode**. The public key is available via your Expert Back Office (Menu: **Settings** > **Shops** > **REST API keys**).
Public production key	The production public key be must be filled in if you use the embedded payment fields, such as **Card data entry mode**. The public key is available via your Expert Back Office (Menu: **Settings** > **Shops** > **REST API keys**).
HMAC-SHA-256 test key	The test HMAC-SHA--256 key must be filled in if you use the embedded payment fields, such as the **Card data entry mode**. The HMAC-SHA-256 key is available from your Expert Back Office (Menu: **Settings** > **Shops** > **REST API keys**).
HMAC-SHA-256 production key	The production HMAC-SHA--256 key must be filled in if you use the embedded payment fields, such as the **Card data entry mode**. The HMAC-SHA-256 key is available from your Expert Back Office (Menu: **Settings** > **Shops** > **REST API keys**).

Parameters of the REST API	
IPN URL of the REST API	This field is pre-populated by default: *https://api.lyra.com/api-payment/* It is recommended to leave the **default** value.
JavaScript client URL	This field is pre-populated by default: *https://api.lyra.com/static/* It is recommended to leave the **default** value.
REST API Instant Payment Notification URL	URL to copy in your Expert Back Office (**Settings** > **Notification rules** > **Instant Payment Notification URL at the end of the payment** > **REST API Instant Payment Notification URL** menu).

Payment page	
Default language	This option allows to choose the default language of the payment page in case the language of Dolibarr is not supported by Lyra Collect. If the language(s) used by the Dolibarr is (are) implemented into Lyra Collect, the payment page will be displayed in the language of Dolibarr when the buyer clicks on "Pay".
Available languages	Allows to customize the language displayed on the payment page. The buyer will be able to select a language when he or she is redirected to the payment page. If you do not select any language, all languages will be displayed on the payment page. To select a language, press and hold the "Ctrl" key and click on the desired languages. <u>Available languages:</u> German, English, Chinese, Spanish, French, Italian, Japanese, Dutch, Polish, Portuguese, Russian, Swedish, Turkish.
Capture delay	Indicates the delay (in days) before the capture. By default, this parameter can be configured in your 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. <u>Warning</u>: 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 **Instant Payment Notification rule on an operation coming from the Back Office** to update the order status in Dolibarr.

Customizing the payment page	
Theme configuration	Allows to customize the payment page by using specific keywords. If you have created several models in the Expert Back Office, enter for example: `RESPONSIVE_MODEL=Model_2` if you want to use the design of your Model_2. **Warning:** Some keywords can only be used if the "Advanced customization" option has been enabled.
Shop name	You can define the name of your shop that will appear in order confirmation e-mails. If the field is empty, the shop name that was registered in the Expert Back Office will be the one to appear in the e-mail.
Shop URL	You can define the shop URL that will appear on the payment page and in the order confirmation e-mail. If the field is empty, the shop URL that was registered in the Expert Back Office will be the one to appear on the payment page and in the e-mail.

Return to shop	
Automatic redirection	This option allows to automatically redirect the buyer to the merchant website. This option depends on the following settings. This option is disabled by default.
Time before redirection (success)	If the **automatic redirection** option is enabled, you can define the delay in seconds before your buyer is redirected to your shop in case of a successful payment.
Message before redirection (success)	If the **automatic redirection** option is enabled, you can define the message that will appear on the gateway following a successful payment before your buyer is redirected to the shop. The default message is: "Redirection to the shop in a moment".
Time before redirection (failure)	If the **automatic redirection** option is enabled, you can define the delay in seconds before your buyer is redirected to your shop in case of a failed payment.
Message before redirection (failure)	If 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. The default message is: "Redirection to the shop in a moment".
Return mode	During the redirection to the shop, these parameters are returned to the shop in **GET** or **POST** modes. The **GET** mode is more convenient for the buyer as it allows to prevent the browser from displaying a pop-up window that indicates that the buyer is leaving an https environment for an http environment which obliges the buyer to click on "Accept" to return to the shop.

Advanced options	
Card data entry mode	The module provides the following operating modes: *Bank data acquisition on the payment gateway* Card type selection and data entry is done on the Lyra Collect payment page. *Payment fields embedded on the merchant website (REST API)* This option enables the integration of embedded payment fields (card number, expiry date, cvv) on your merchant website. The configuration of the REST API keys present in **General configuration** > **REST API keys** is mandatory if you enable this functionality. PCI DSS certification is not necessary in this case, however it is strongly recommended for your merchant website to be secure in order to reassure buyers. **To use this solution, the merchant must subscribe to the TEST API option (Use of REST API payment).** *Payment fields embedded in a pop-in (REST API)* This option allows to integrate the payment fields (card number, expiry date, cvv) in a pop-in on your merchant website. The configuration of the REST API keys present in **General configuration** > **REST API keys** is mandatory if you enable this functionality. PCI DSS certification is not necessary in this case, however it is strongly recommended for your merchant website to be secure in order to reassure buyers. **To use this solution, the merchant must subscribe to the TEST API option (Use of REST API payment).**

Dolibarr settings	
Bank account	Default bank account to record the payments performed. The Banks and Cash module must be enabled. This parameter is not managed by out module but directly by **Dolibarr**.

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 the events that will generate a call to the merchant website and to configure the URL of the contact page.

To access notification rule management:

1. Sign in to: *https://secure.lyra.com/portal/*.

2. Click Other actions and sign into your Expert Back Office

3. Go to the following menu: **Settings** > **Notification rules**.

Figure 1: Notification rules

Right click > **Enable the rule** if a red cross appears in the **Enabled** column of the following rules:

• Instant Payment Notification URL at the end of the payment

• Instant Payment Notification URL on batch authorization

• Instant Payment Notification URL on batch change

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 the payment.

To set up this notification:

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

2. Select **Enable the rule**.

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

4. Select **Manage the rule**.

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

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

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

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

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

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

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

8. 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/custom/lyra/public/process.php

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

9. If you have enabled the **Embedded payment fields (REST API)** option as entry mode of card data, enter the following URL in the **URL to call in TEST mode** and **URL to call in PRODUCTION mode** (**Notification of the REST API** section):

   http://www.your-domain.com/custom/lyra/public/process.php

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

10. Save the changes.

6.2. Setting up a notification on batch authorization

These settings are required for communicating the result of a deferred payment:

• If the payment has been accepted,

• If the payment has been refused.

Example:

For a deferred payment with a capture delay of 60 days, the authorization request is not made at the moment of the payment. The merchant website will be contacted at the moment of the authorization request via the **Instant Payment Notification URL on batch authorization** rule.

To set up this notification:

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

2. Select **Manage the rule**.

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

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

5. 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).

6. 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/custom/lyra/public/process.php

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

7. Save the changes.

8. Enable the rule by right-clicking on **Instant Payment Notification URL on batch authorization** and select **Enable the rule**.

6.3. Setting up a notification on batch change

It is recommended to enable this notification for **PayPal** transactions in order to manage the **UNDER_VERIFICATION** status. The merchant website will be notified about the acceptance or refusal by PayPal.

If **manual validation** payment has been configured, **you must enable this rule** for your merchant website to be notified when a transaction expires.

This rule is **disabled by default**.

To set up this notification:

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

2. Select **Manage the rule**.

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

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

5. 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).

6. 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/custom/lyra/public/process.php

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

7. Save the changes.

8. Enable the rule by right-clicking on **Instant Payment Notification URL on batch change** and select **Enable the rule**.

6.4. 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 <u>without any redirection</u>.

   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 **Billing|Payment** > **Payments** menu.

If the order has not been created in the Dolibarr 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. PROCEEDING TO TEST PHASE

One the payment module is configured and you have set up the notification URLs, it is possible to test the payment module.

The test phase is not mandatory, however, we recommend to make some tests to make sure that the payment solution has been correctly integrated.

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).

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 you have been redirected to the payment page, select the card type of your choice.

4. Click on one of the card numbers on the payment page.

8. 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 **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.

9. OBTAINING HELP

Looking for help? Check our FAQ on our website

https://docs.lyra.com/en/collect/faq/sitemap.html

If you have any technical questions or need assistance, our tech support is available

from Monday to Friday from 9 a.m. to 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, **Help** > **Contact support**

To facilitate the processing of your demands, you will be asked to communicate your shop ID (an 8-digit number).