



**COLLECTING SOLUTION**

## **Integrate Lyra on Odoo 17**

Document version 4.0

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## 1. RELEASE NOTES

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To follow all the evolutions of the payment module, click on the link below and select **Version History**:

<https://docs.lyra.com/en/collect/plugins/#odoo>

This information is also available from the payment module:

1. Download the module from our online documentation archive.
2. Open the previously downloaded payment module.
3. Go to the **payment\_lyra** folder.
4. Open the **CHANGELOG.md** file.

## 2. MODULE FEATURES

Payment types	
Immediate payment	✓
Deferred payment	✓
Payment in installments	✓
Payment by token*	✗
Payment by wallet*	✗

Bank card data entry	
Redirection	✓
I-frame	✗
Embedded payment (smartForm)*	✗
Web Service*	✗

Payment operations via Odoo	
Cancellation*	✗
Refund*	✗
Modification*	✗
Validation*	✗
Duplication*	✗

Compatibility with Odoo	
Odoo 17	✓
Odoo 16	✗
Odoo 15	✗
Odoo 10-14	✗

Payment module	
Multi language	✓
Multi currency	✓
Custom submodule	✗
Automatic redirection at the end of payment	✓
Custom 3DS*	✓

\*Functionalities subject to an option.

### 3. PREREQUISITES

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Before you proceed to integrating the payment module, make sure you have access to the:

- **Back Office Odoo**
- **Expert Back Office**
- **Payment module file:** Lyra\_Odoo\_17\_v4.0.x.zip

#### **Odoo Back Office:**

Sign in via your website's Back Office, the URL should look like this:

<https://your-domain.com/web>

Reach out to your technical service if you cannot sign in.

#### **Expert Back Office :**

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

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

Click "**Other actions**" and sign in to your Expert Back Office.

#### **Payment module:**

Download the module using the following URL:

<https://docs.lyra.com/en/collect/plugins/#odoo>

**WARNING:** All our payment modules are tested from a minimal Python version, this version is visible from our documentary site:

<https://docs.lyra.com/en/collect/plugins/#odoo>

If you have an older version, we invite you to contact the technical manager in charge of your site so that he updates the Python version of the server. Thus, our support service will be able to assist you if you encounter a problem with our module.

## 4. INSTALLING THE PAYMENT MODULE

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### 4.1. Updating the module

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To update the payment module, you must first delete its previous version.

1. Sign in to FTP server for your merchant site.
2. Go to `/server/odoo/addons/` if you are using a Windows server.  
`/var/lib/odoo/addons/[VERSION]/` for Linux server.
3. Delete the **payment\_lyra** folder.

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

### 4.2. Installing the module

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To install the payment module:

1. Unzip the **Lyra\_Odoo\_17\_v4.0.x.zip** payment module..
2. Copy the **payment\_lyra** folder from the payment module.
3. Sign in to FTP server for your merchant site.
4. Go to `/server/odoo/addons/` if you are using a Windows server.  
`/var/lib/odoo/addons/[VERSION]/` for Linux server.
5. If there are no **addons** in any of these directories, check the **addon\_path** line in the `odoo.conf` file. The path indicates the location of addons.
6. Paste the **payment\_lyra** folder.
7. Sign in to your **Odoo Back Office**.
8. Go to **Settings**.
9. Search for the **Developer Tools** section, then click **Enable the developer mode**.
10. Restart the Odoo service via Windows **Services**.  
Or using the **sudo systemctl restart odoo** command in Linux
11. Go to **App**.
12. Click **Update the app list**.
13. Enter **lyra** in the search bar.
14. Search for the **Lyra Payment Provider** module.
15. Click **Enable**.

## 5. QUICK MODULE CONFIGURATION

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This chapter will help you configure and quickly make your shop go into PRODUCTION.

If you would like to obtain more details on module configuration, see chapter **Detailed parameters of the payment module**.

**NOTE:** An FAQ is available in our online documentation archive, it presents the most frequently asked questions and is regularly updated. The FAQ module is available via the link - below in the **CMS** section > **Odoo 17**:

<https://support.lyra.com/hc/fr>

### 5.1. Integrating the redirection

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#### 5.1.1. Configuring the shop

1. Sign in to your **Lyra Expert Back Office** with your identifiers:  
<https://secure.lyra.com/portal/>
2. Go to **Settings > Shop**.
3. Click the **Keys** tab.
4. Copy your **Shop ID**.
5. Sign in to your **Odoo Back Office**.
6. Go to **Website**.
7. Click **Configuration > Payment providers**.
8. Click **Lyra - Standard payment**.
9. Paste your **Shop ID** to the **Access to the payment gateway**.
10. Return to the **Expert Back Office**.
11. Copy your **Test key**.
12. Return to the **Odoo Back Office**.
13. Paste your **Test key** to the **Access to the payment gateway**.
14. Return to the **Expert Back Office**.
15. Copy your **Production key**.
16. Return to the **Odoo Back Office**.
17. Paste your **Production key** to the **Access to the payment gateway**.
18. Click  to save.

#### 5.1.2. Configuring the Instant Payment Notification URL

1. Sign in to your **Odoo Back Office**.
2. Go to **Website**.
3. Click **Configuration > Payment providers**.
4. Click **Lyra - Standard payment**.
5. Search for **ACCESS TO THE PAYMENT GATEWAY**.
6. Copy the URL from the **Instant Payment Notification URL** parameter.

7. Sign in to the **Expert Back Office Lyra**: <https://secure.lyra.com/portal/>.
8. Go to **Settings > Notification rules**.
9. Double click **IPN URL at the end of payment**.
10. Check the **Automatic retry in case of failure** box.
11. Search for the **Instant Payment Notification URL of the API form V1, V2** section.
12. Paste the previously copied URL to **URL to call in TEST mode** and **URL to call in PRODUCTION mode**.  
If the production URL is different from your test URL, specify it in order to not forget it later. Your URL should look like this:  
<https://www.your-domain.com/payment/lyra/ipn>

13. Click **Save**.
14. If the configured rules are marked by a red cross, select the rule and click on the **Enable the rule** button at the bottom of the screen.

### 5.1.3. Testing the payment on your website

To make a test payment:

1. Make an order on your merchant website as if you were one of your buyers.
2. Select payment method "**Lyra**".
3. Choose a payment method if your configuration offers it.
4. Click on one of the card numbers displayed on the screen, all the fields will be populated automatically.
5. Confirm your payment.
6. Make sure that the order is appears in the Odoo Back Office.

### 5.1.4. Going into PRODUCTION

To go into PRODUCTION via the redirection :

1. Sign in to your **Lyra Expert Back Office** with your identifiers:  
<https://secure.lyra.com/portal/>
2. Go to **Settings > Shop**.

3. Click the **Keys** tab.
4. Copy the production key.
5. Sign in to your **Odoo Back Office**.
6. Go to **Website**.
7. Click **Configuration > Payment providers**.
8. Click **Lyra - Standard payment**.
9. Replace the **Existing production key** with the previously copied key.
10. Switch the **Status** parameter to **Activated** and save the changes.
11. Your shop can now receive real payments.

## 6. DETAILED PARAMETERS OF THE PAYMENT MODULE

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In this section, you will find the details of each parameter offered by payment module.

**NOTE:** An FAQ is available in our online documentation archive, it presents the most frequently asked questions and is regularly updated. The FAQ module is available via the link - below in the **CMS** section > **Odoo 17**:

<https://support.lyra.com/hc/fr>

### 6.1. Add installment payment

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1. Sign in to your **Lyra Expert Back Office** with your identifiers:  
<https://secure.lyra.com/portal/>
2. Go to **Settings > Shop**.
3. Click the **Keys** tab.
4. Copy your **Shop ID**.
5. Sign in to your **Odoo Back Office**.
6. Go to **Website**.
7. Click **Configuration > Payment providers**.
8. Click **Lyra - Payment in installments**.
9. Paste your **Shop ID** to the **Access to the payment gateway**.
10. Return to the **Expert Back Office**.
11. Copy your **Test key**.
12. Return to the **Odoo Back Office**.
13. Paste your **Test key** to the **Access to the payment gateway**.
14. Return to the **Expert Back Office**.
15. Copy your **Production key**.
16. Return to the **Odoo Back Office**.
17. Paste your **Production key** to the **Access to the payment gateway**.
18. Look for the **Payment options** section.
19. Enter the **Number** of installments.  
Example: 3
20. Enter the number of days between each payment in **Period**.  
Example: 30
21. Enter the amount of the **First installment** as a percentage. Leave the field empty to have all amounts identical.  
Example: 50% for 50
22. Click  to save.

## 6.2. Description of all parameters

Standard parameters	
<b>Status</b>	<p><b>Disabled:</b> Payments will be entirely disabled via this module.</p> <p><b>Enabled:</b> Payment in production mode.</p> <p><b>Test mode:</b> Payment in test mode.</p>
<b>Website</b>	<p>Select the website for which you wish offer the payment.</p> <p>If you do not select any site, the payment will be available on all your sites.</p>

### 6.2.1. Identifiers

Access to the payment gateway	
<b>Shop ID</b>	Indicate the 8-digit shop ID, available in your Expert Back Office (Menu: <b>Settings &gt; Shop &gt; Keys</b> ).
<b>Test key</b>	Specify the test key available via your Expert Back Office (Menu: <b>Settings &gt; Shop &gt; Keys</b> ).
<b>Production key</b>	Specify the production key available in your Expert Back Office (Menu: <b>Settings &gt; Shop &gt; Keys</b> ).
<b>Signature algorithm</b>	<p>Algorithm used to compute the signature of the payment form.</p> <p>The algorithm must be the same as the one configured in the Expert Back Office (<b>Settings &gt; Shop &gt; Keys</b>).</p> <p>If the algorithm is different, the parameter will have to be modified via the Expert Back Office.</p>
<b>Instant Payment Notification URL</b>	<p>URL to copy in your Expert Back Office (<b>Settings &gt; Notification rules &gt; Instant Payment Notification URL at the end of the payment &gt; Instant Payment Notification URL of the API form V1, V2</b> menu).</p> <p>For more information, see the chapter and the sub-chapters on <b>Configuring the notification URL</b>.</p>
<b>Payment page URL</b>	This field is pre-populated by default: <a href="https://secure.lyra.com/vads-payment/">https://secure.lyra.com/vads-payment/</a>

Payment page	
<b>Default language</b>	<p>This option allows to choose the default language of the payment page in case the language of Odoo is not supported by Lyra Collect.</p> <p>If the language(s) used by the Odoo is (are) implemented into Lyra Collect, the payment page will be displayed in the language of Odoo when the buyer clicks on "Pay".</p>
<b>Available languages</b>	<p>Allows to customize the language displayed on the payment page.</p> <p>The buyer will be able to select a language when he or she is redirected to the payment page.</p> <p>If you do not select any language, all languages will be displayed on the payment page.</p> <p><u>Available languages:</u></p> <p>German, English, Chinese, Spanish, French, Italian, Japanese, Dutch, Polish, Portuguese, Russian, Swedish, Turkish.</p>
<b>Capture delay</b>	<p>Indicates the delay (in days) before the capture.</p> <p>By default, this parameter can be configured in your Expert Back Office (Menu: <b>Settings &gt; Shop &gt; Configuration</b> - section: Capture delay).</p>

Payment page	
	It is recommended to not populate this parameter.
<b>Validation mode</b>	<p><b><i>Back Office configuration:</i></b> Recommended value. Allows to use the configuration defined in the Expert Back Office (Menu: Settings &gt; Shop &gt; Configuration section: validation mode).</p> <p><b><i>Automatic:</i></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><i>Manual:</i></b> This value indicates that the transactions will require manual validation by the merchant via the Expert Back Office.</p> <p><b><i>Warning:</i></b> if the transaction is not validated by the merchant before the expiration date of the authorization request, it will never be captured in the bank.</p> <p>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.</p>
<b>Card types</b>	<p>This field allows to select the cards logo to be displayed on the payment page.</p> <p>Warning: 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 this parameter empty.</p>

Custom 3DS	
<b>Managing 3DS</b>	<p>Allows to request authentication without interaction (frictionless). Requires the option <b>Frictionless3DS2</b></p> <ul style="list-style-type: none"> <li>For payments made in euro, if the amount is lower than €30, a request for frictionless is transmitted to the DS. <b>If the request for frictionless is accepted by the issuer, the merchant loses the payment guarantee.</b></li> <li>For payments made in euros, if the amount is greater than €30, the value transmitted by the merchant is ignored and the management of cardholder authentication is delegated to the gateway.</li> <li>For payments made in a currency other than euro, a request for frictionless is transmitted to the DS.</li> </ul>

Payment options	
<b>Number</b>	<p>Number of installments:  <b>3</b> for payment in 3 installments  <b>4</b> for payment in 4 installments            etc.</p>
<b>Period</b>	<p>Period (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:            For an amount of EUR 100 in 3 installments, you can set the percentage of the first payment at 50% of the amount. This means that the amount of the first installment will be EUR 50 and that the two others will be of EUR 25.            For 50% enter <b>50</b>.</p>

Payment options	
	If you want the amount of every installment to be the same, leave this field empty.

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>	If 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>	If the <b>automatic redirection</b> option is enabled, you can define the message that will appear on the screen following a successful payment before your buyer is redirected to the shop. The default message is: "Redirection to the shop in a moment".
<b>Time before redirection (failure)</b>	If 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>	If the <b>automatic redirection</b> option is enabled, you can define the message that will appear on the screen following a failed payment before your buyer is redirected to the shop. The default message is: "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>POST</b> or <b>GET</b> modes. The <b>POST</b> mode is set by default.

Once you have completed the configuration, click .

### 6.2.2. Configuration

Configuration	
<b>Payment methods</b>	Leave the default value (Lyra).
<b>Payment log</b>	Leave the default value (Bank).
<b>Maximum amount</b>	The payment method will be offered up to the amount entered. By leaving this field blank, there will be no amount restrictions.
<b>Currencies</b>	Lyra Will be offered with the selected currencies.
<b>Country</b>	Select the country that you would like to authorize for the selected payment method. If no countries are selected from the list, all countries will be authorized.

Once you have completed the configuration, click .

### 6.2.3. Messages

Messages	
<b>Help message</b>	Description displayed to the buyer when they select the payment method.

Messages	
<b>Pending message</b>	Message displayed to the buyer when their payment is awaiting validation by the merchant (manual validation).
<b>Message sent</b>	Message displayed to the buyer when their payment is accepted.
<b>Message cancelled</b>	Message displayed to the buyer when they click <i>Cancel and return to shop</i> .

Once you have completed the configuration, click .

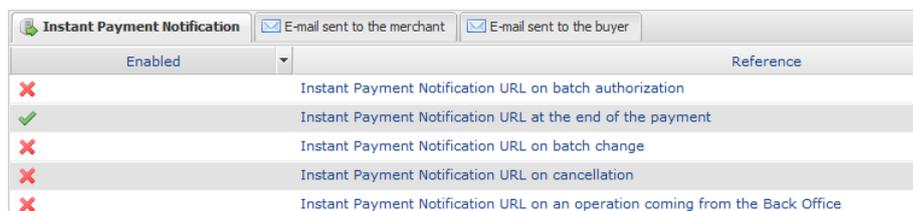
## 6.3. Instant Payment Notification URL

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The Expert Back Office provides several types of notifications. 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.**



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 the payment

### 6.3.1. Notification URL definitions

#### **Instant Payment Notification URL at the end of the payment:**

This notification is **required** for communicating the result of the 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.

### 6.3.2. Configuration of Instant Payment Notification URLs

In order to configure a notification URL:

1. Make sure that the notification URL is enabled (see chapter "Instant Payment Notification URL").
2. **Double click** the notification URL that you would like to configure.
3. Enter the **E-mail address(es) to notify in case of failure**.  
To specify several e-mail addresses, separate them with a semi-colon.
4. Check the **Automatic retry in case of failure** box.  
This option allows to automatically send notifications to the merchant website in case of failure (up to 4 times).
5. Populate 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)**. The URL to copy is specified in the module configuration (**Notification URL**).  
The URL must resemble the one below:  
**<https://www.your-domain.com/payment/lyra/ipn>**  
Replace **your-domain.com** with the domain name of your website.
6. Click **Save**.

### 6.3.3. Testing the Instant Payment Notification URL

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 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.

If the order has not been created in the Odoo 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. OBTAINING HELP

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Looking for help? See our FAQ:

<https://support.lyra.com/hc/fr>

For any technical inquiries or if you need any help, contact [technical support](#).

To help us process your demands, please have your customer code ready (e.g.: **CLXXXXX**, **MKXXXXX** or **AGXXXXX**).

This information is available in the Merchant Back Office top of menu.