

Lyra - Technical Specification (SFRA)

- [Custom Object](#)
- [Order](#)
- [Payment Processor](#)
- [Job](#)
- [Service](#)
- [Code surcharged](#)

Custom Object [↗](#)

The cartridge Lyra includes one custom object: **LyraNotification**

This custom object contains the logs, order number and order status

It will be created and filled in through the controller **Lyra** and the method **Notification**

This method is an endpoint for Lyra to send you the data of the payment and IPN (Instant Payment Notification)

Order [↗](#)

The order paid with one of Lyra's payment methods will have an attribute **lyraPaymentData** which will contain the data sent through the IPN

In the payment tab, we will display payment data through the cartridge `bm_lyra`. This data will be able to change depending of the IPN

Every time an IPN will be processed, we will add a note on the order with the data of the IPN

Payment Processor [↗](#)

The cartridge contains two payment processor:

- **LYRA_COLLECT_PAYMENT**
- **LYRA_COLLECT_EMBEDDED_PAYMENT**

We will check the payment method's processor to determine whether it's or not one of Lyra's payment method

Job [↗](#)

The cartridge contains one job: **LyraNotification**

This job should run every 15 minutes

This job will check all the LyraNotification custom objects and update the status of the payment and order.

If the custom object has as orderStatus : **PAID**, then we will set the payment status of the order to **PAYMENT_STATUS_PAID**, we will add in the attribute of the order the data of IPN and add a note to your order with the log of the notification.

If the custom object has as orderStatus: **UNPAID** or **ABANDONED**, then we will add an error note to your order and switch the status of the order to fail.

If the custom object has another orderStatus, then we add a pending note to your order and wait for the next IPN

- ! Every time an custom object is processed, we will delete it
- If we can't find the order link with this custom object, we will delete it

Service

The cartridge contains only one service: Lyra

This service is linked to the profile: [lyra](#) and the credentials [lyra](#)

Code surcharged

Cartridge int_lyra

1. Javascript Front

a. checkout/checkout

Add javascript trigger checkout:disablePaymentButtonLyra

Add lyraPaymentFormUrl in option object

Auto submit Lyra form when Lyra is in embedded context

Show Lyra popin when is in popin context

Use updateLyra function for refresh token in ajax context

b. checkout/billing

handleCreditCardNumber

Not bind the native paymentMethod creditcard if it is deactivated

updatePaymentInformation

Show lyraPaymentForm in checkout

2. Controllers

a. Order

BeforeComplete > Details > Add orderHistoryDetails in viewData for myAccount Page

BeforeComplete > Confirm > Add orderHistoryDetails in viewData for orderConfirmation Page

3. Models

a. Payment

applicablePaymentMethods

Add if this paymentMethod is Lyra or not

Add if this paymentMehod is in embedded context

getSelectedPaymentInstruments

Add if this PaymentInstrument is Lyra or not

4. Templates

dashboardProfileCards

Add Lyra customer wallet

checkout/billing

Add Lyra payment method and payment form

checkout/confirmation

Add Lyra payment information

htmlHead

Add Lyra ressources and library