SEQURA INTEGRATION

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1. Summary

This Implementation Guide describes how to integrate int_sequra_sfra cartridge version 22.1.1 into Commerce Cloud reference application Store Front Reference Architecture (SFRA).

The int_sequra_sfra components support the Sequra

payment gateway as the new payment processor for Salesforce Commerce Cloud and various stand-alone Sequra

Application Programming Interface (API) calls.

The int_sequra_sfra includes:

Sequra Checkout from payment pages

Integration of the cartridge into your storefront application does not imply modifications of core cartridge, SFRA approach of files overwriting should be used instead.

2. Component Overview

2.1. Supported Features

2.1.1. Checkout with Segura

Sequra provides a complete product set of digital payments solutions from 'Pay Now', Invoice, BNPL and Part Payments.

2.2. Privacy and Payment

This integration requires access to the following customer data elements: Shipping Address, Order Details, Customer Profile and Orders History.

3. Implementation Guide

3.1. Overview

One cartridges support this integration:

• int_sequra_sfra – Commerce Cloud storefront extension cartridge

The following sub-sections describe the entry points for the integration.

3.2. Installation

3.2.1. Add cartridge to cartridge path

Upload the cartridge int_sequra_sfra into your sandbox updating the cartridge path. To do so, go to Business Manager > Administration > Sites > Manage Sites > Your Target Site > Settings and insert int_ sequra before your cartridges record, as shown in Figure 2.

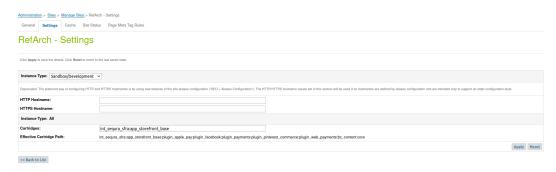


Figure 2. Storefront cartridge path

3.2.2. Import metadata archive

Upload and import sequraMetadata.zip from the metadata folder. To do so, go to Business Manager >Administration > Site Development > Site Import & Export. Upload archive using Local option in the Upload Archive section. After upload choose sequraMetadata.zip in the list and click on import button.

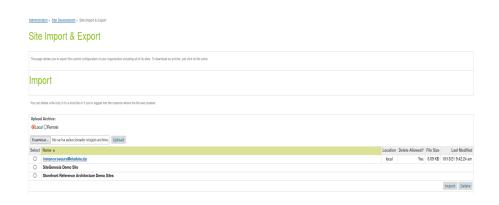


Figure 1. sequraMetadata.zip archive import

3.2.3. Add API Credentials

Go to Business Manager > Administration > Operations > Services > Credentials and click on Sequra_Credentials

Sequra_Credentials

hese credenti	als are used by 1 service.
Name:*	Sequra_Credentials
URL:	https://sandbox.sequrapi.com/
User:	
Password:	

Figure 3. Sequra Credentials

Current integration supports only one credential usage at a time. If you wish to use multiple credentials at one sandbox you should customize the cartridge at sequraService.js file.

For non-production activities we recommend enabling communication logs for the sequra services. The communication log will log every request and response to the log files.

int_sequra.http.rest®

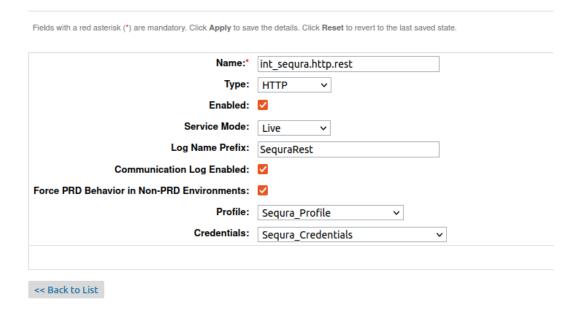


Figure 5. Sequra Communication Log Enabled

3.2.4. Custom cache configuration

Custom cache required for fast and stable work on the integration. Navigate to Business Manager > Administration > Operations > Custom Caches and check checkbox Enable Caching.

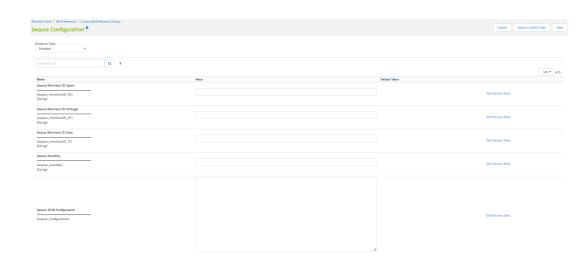


Figure 7. Business Manager Custom Cache

3.3. Configuration

3.3.1. Cartridge Custom Site Preferences

Go to Business Manager > Merchant Tools > Site Preferences > Custom Site Preferences. There you can configure a Custom Site Preference Group called Sequra



List of Preferences:

sequra_merchantID_ES: Merchant ID for Spain provided by Sequra **sequra_merchantID_PT**: Merchant ID for Portugal provided by Sequra

sequra_merchantID_IT: Merchant ID for Italy provided by Sequra. **sequra_assetKey**: AssetKey provided by Sequra.

sequra_Configuration: JSON Configuration that contains the sequra information. Each country needs to have its own configuration:

- sequra_widgetEnabled: Indicates if widget is enabled or not
- sequra_widgetsProducts: Indicates which widget products are enabled.
- sequra_paymentAvailablesCheckout: Indicates which sequra Payment Methods are available in the checkout process.
- sequra_widgetsAppearence: It contains the JSON that merchant can generate using this tool https://live.seguracdn.com/assets/static/sandbox.html

Sequra Configuration JSON Example:

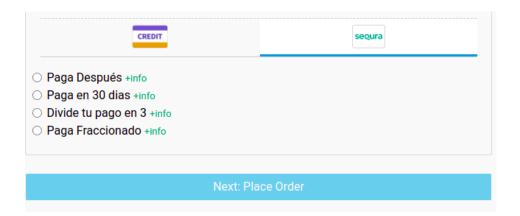
```
"ES":{
    "sequra_widgetEnabled":"frue",
    "sequra_paymentAvailablesCheckout":['il"],
    "sequra_paymentAvailablesCheckout":['il"],
    "sequra_widgetSAppearence":['type":"text", "size":"M", "font-color":"black", "alignment":"center", "branding":"black", "starting-text":"as-low-as",
    "sequra_widgetSAppearence":['type":"text", "size":"M", "font-color":"green", "link-underline":"false", "no-costs-claim":"without-cost")
},
    "PT":{
    "sequra_widgetEnabled":"true",
    "sequra_widgetSProducts":['il", "spl"],
    "sequra_widgetSProducts":['il", "spl"],
    "sequra_widgetSAppearence":['type":"banner", "alignment":"center", "branding":"black", "starting-text":"as-low-as", "no-costs-claim":"free")
},
    "II": {
    "sequra_widgetEnabled":"false",
    "sequra_widgetEn
```

Figure 8. JSON Configuration Example

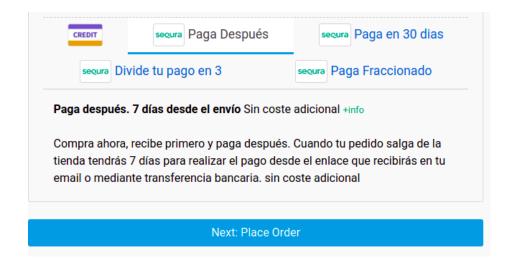
sequraPaymentsDisplay: Control How Sequra Payments Methods are displayed in the checkout.

Possible Values are:

 Grouped (One Payment Method Sequra appears and when you click on it then the Sequra payment methods allowed (i1, sp1, pp3, pp5) are displayed)
 By Default the Grouped value is selected.



 Separated (The Sequra Payments Methods allowed (i1, sp1, pp3, pp5) are displayed directly in the Checkout payments.)



3.3.2. Jobs configuration

There are 2 jobs to process Segura Payments.

1) SequraHoldPayments

When the order needs review, and has been put on hold, in SFCC the order status is CREATED and NOT PAID. After receiving the approved response some transactions can be out of sync. To fix this problem after the metadata import, a scheduled job with ID SequraHoldPayments is added to the Business Manager: Administration > Operations > Jobs.



Figure 9. SequraHoldPayments Job

We recommend that you set the frequency of this scheduled job to 15 minute:

Go to the Schedule and History tab for the SequraHoldPayments scheduled job. Set Trigger to Recurring Interval.

In the Run Time panel, set Amount to 15, and Interval to Minutes.

2) SequraSynchronizePayments



This job sends the updates in the sequra orders to the Sequra Backend.

It checks if there have been any updates in the order status or in the order shipping status.

We recommend that you set the frequency of this scheduled job to once a day taking into consideration not to launch it during peak traffic time.

Go to the Schedule and History tab for the SequraSynchronizePayments scheduled job. Set Trigger to Recurring Interval.

In the Run Time panel, set Amount to 1, and Interval to Days.

4. Operations and Maintenance

4.1. Data Storage

The int_sequra_sfra integration cartridge requires System Objects Extension to store payment-related information.

Order custom properties

sequra_TransactionID: Sequra Transaction ID.

sequra_orderInformation: JSON with the order status information.

OrderPaymentInstrument custom properties

sequraPaymentMethod: Type of sequra payment used.

sequra_orderLocationURL: Sequra order location url.

sequra_orderStatus: Sequra order status.

4.2. Logs

This integration introduces three new custom logs:

- Sequra Storefront Custom logs starts with prefix custom-Sequra.
 This Log file contains all errors related information in the int sequra sfra cartridge
- Service communication logs starts with service-SequraRest. These logs contain every request and response to the Sequra endpoint. To enable these logs, check Adding API Credentials Optional section.

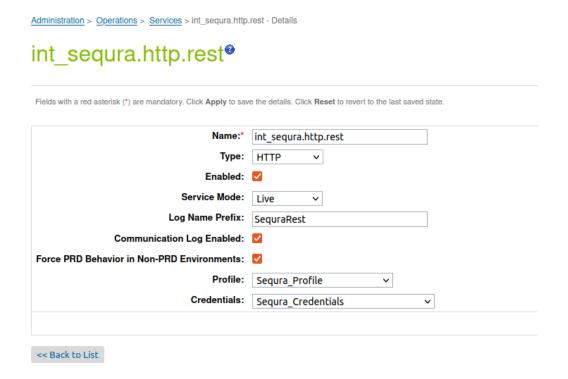


Figure 9. Services Logs

4.3. HTTP Service Availability

You can track availability and downtime by service status in the Commerce Cloud Business Manager. Go to Administration > Operations > Service Status



Figure 10. Service Status

You can configure options for HTTP calls to REST API related to this Sequra

integration via the Commerce Cloud Service Profile Interface. To do this, go to Administration > Operations > Services > Service Profiles -> Sequra_Profile.

You can set a timeout for all requests, enable the Circuit Breaker mechanism, and adjust the Rate Limit.

Sequra_Profile Fields with a red asterisk (*) are mandatory. Click Apply to save the details. Click Reset to revert to the last saved state. This profile is used by 6 services.				
Connection Timeout (ms):	60,000			
Enable Circuit Breaker:				
Max Circuit Breaker Calls:	0			
Circuit Breaker Interval (ms):	0			
Enable Rate Limit:				
Max Rate Limit Calls:	0			
Rate Limit Interval (ms):	0			

Figure 11. Service Profile

4.4. SFRA core templates overlay list

The following templates from app_storefront_base cartridges been overlay by int_sequra_sfra

checkout/billing/paymentOptions/paymentOptionsContent.isml checkout/billing/paymentOptions/paymentOptionsSummary.isml checkout/billing/paymentOptions/paymentOptionsTabs.isml components/footer/pageFooter.isml

Templates are up to date with SFRA 6.0.0

4.5. Support

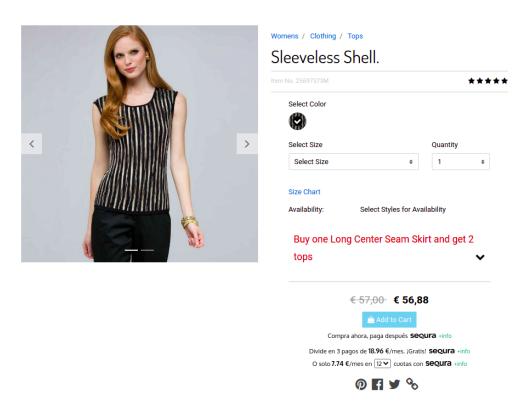
To get help and support from Sequra Contact Sequra Account Support.

5. User Guide

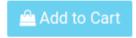
5.1. StoreFront

5.1.1. Sequra Widget

When a customer accesses the product detail page the Sequra Widget can be loaded depending on the information stored in the Sequra Configuration in Business Manager.



€ 57,00 € **56,88**



Compra ahora, paga después **sequra** +info

Divide en 3 pagos de 18.96 €/mes. ¡Gratis! sequra +info

O solo **7.74** €/mes en 12 v cuotas con **sequra** +info



Figure 12.Sequra Widget

This configuration has four parameters:

sequra_widgetEnabled

The values accepted are true (display the widget) or false (not display the widget).

sequra_widgetsProducts

Array with the sequra products accepted ["i1","sp1","pp3"]

Examples:

"sequra_widgetsProductDetail":["i1","sp1","pp3"]





Compra ahora, paga después Sequra +info

Divide en 3 pagos de 18.96 €/mes. ¡Gratis! Sequra +info

O solo **7.74** €/mes en 12 ∨ cuotas con **SeQura** +info



"segura widgetsProductDetail":["sp1","pp3"]

€ 57,00 € **56,88**

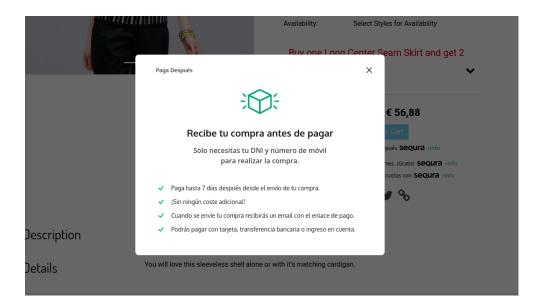


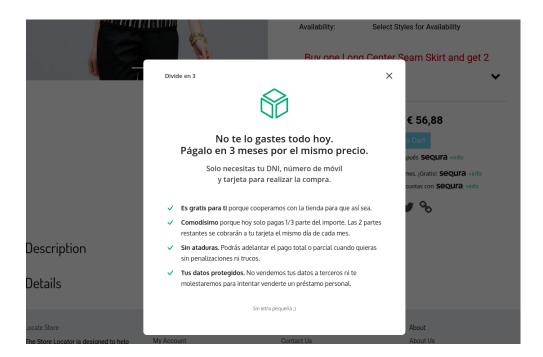
Divide en 3 pagos de 18.96 €/mes. ¡Gratis! sequra +info

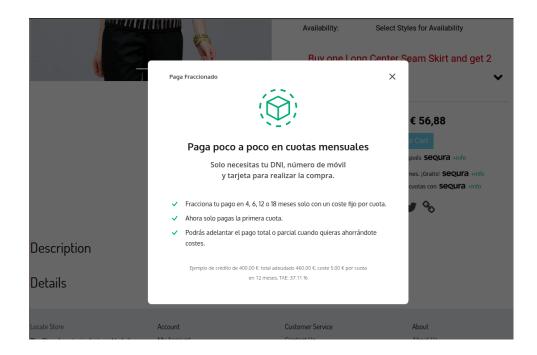
O solo **7.74** €/mes en 22 ✓ cuotas con **sequra** +info



When a customer clicks on +info link a popup with information about the payment will be displayed







sequra_widgetsAppearence

JSON generated using the app provided by Segura

https://live.seguracdn.com/assets/static/sandbox.html

This appearance JSON can contain the following information:

type: Banner or legacy, we will use it for retro-compatibility and future formats. Invalid values will fallback to default.

size: Should be S (small), M (medium) or L (large) to display the different options for the product and type widget. Invalid values will fallback to default.

font-color. Font color used for the widgets fonts, it will be used for all text included in the widget.Invalid values will fallback to default.

background-color. Color used in the parts of the widget that have color. Invalid values will fallback to default.

alignment: Alignment of the widget inside the iframe (left, center or right).Invalid values fallback to default.

branding: Should be none (no SeQura logo), white (white SeQura logo), black (black SeQura logo) or default (SeQura original logo). Invalid values will fallback to default.

starting-text: Starting text options for pp3/pp6 text type. Should be only or as-low-as.Invalid values will fallback to default.

amount-font-size: Amount font size. Should be an integer. Invalid values will fallback to default.

amount-font-color. Color used for the amount. Invalid values will fallback to default.

amount-font-bold: Amount to be bold or not. Invalid values will fallback to default.

link-font-color: + info link color. Invalid values will fallback to default.

link-underline: Link to include underline or not. Invalid values will fallback to default.

border-color: Border color for simulator or legacy type. Invalid values will fallback to default.

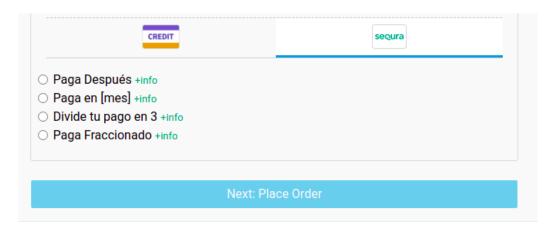
border-radius: Integer, Border radius applied to simulator. Invalid values will fallback to default.

5.1.2. Segura Checkout

Sequra Integration can provide a maximum of 4 types of payments depending on your sequra account (country) and the order total price.

Depending on the sequraPaymentsDisplay site preference value the payments methods will be displayed as follow:

Grouped:



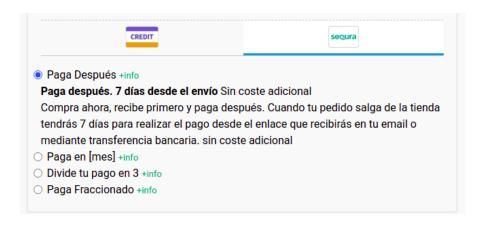
Separated:



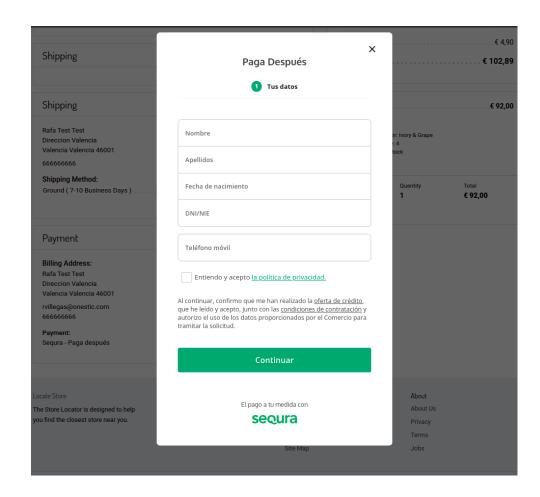
When a customer clicks on +info link a popup with information about the payment will be displayed (same popup displayed in Product Detail Page).

These payment methods are:

i1: Buy Now Pay Later.



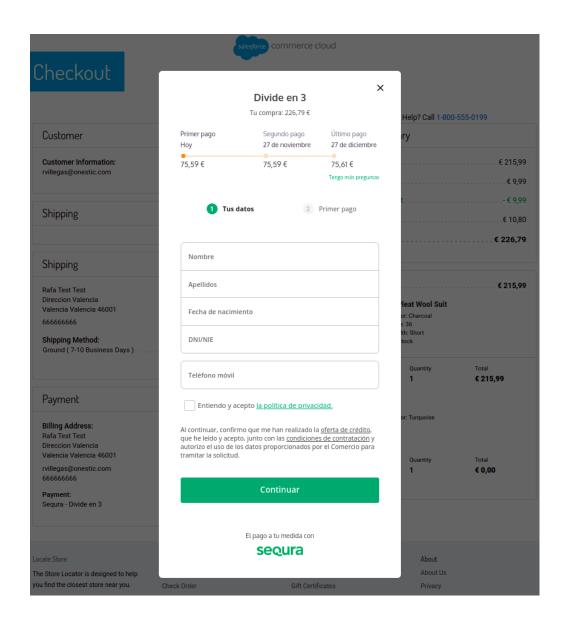
Once you select to pay with Buy Now Pay Later the following Sequra PopUp is displayed:



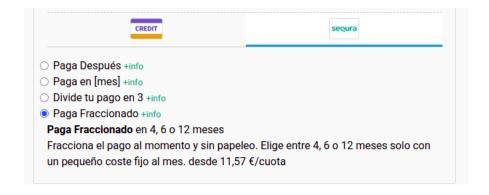
sp1: Pay in 3



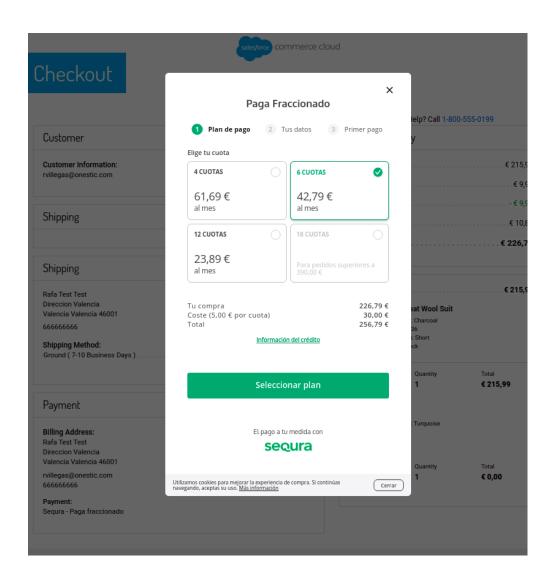
Once you select to pay with Pay in 3 the following Sequra PopUp is displayed:



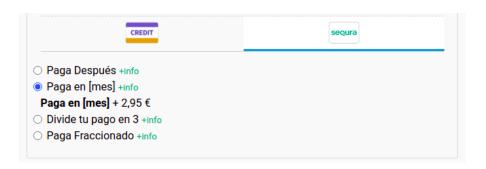
pp3: Pay in instalments over 4, 6, 12 or 18 months



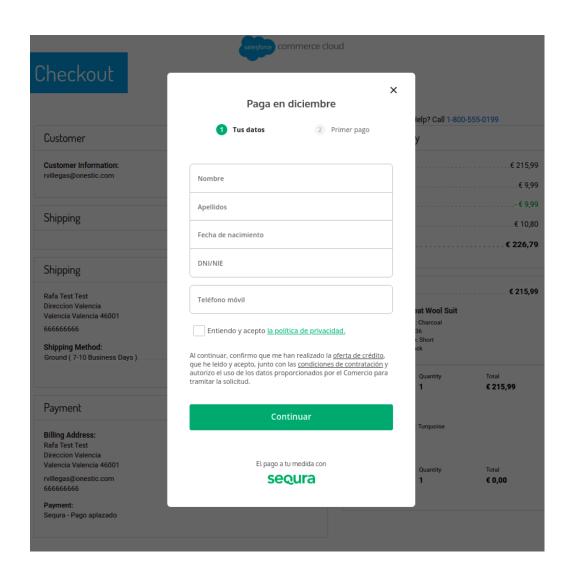
Once you select to pay with Pay in instalments the following Sequra PopUp is displayed:



pp5: Deferred payment

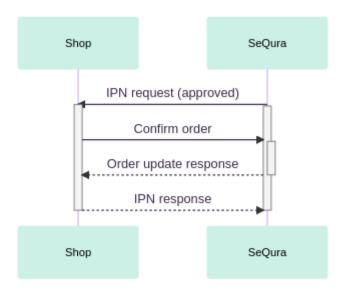


Once you select to pay with Deferred payment the following Sequra PopUp is displayed:

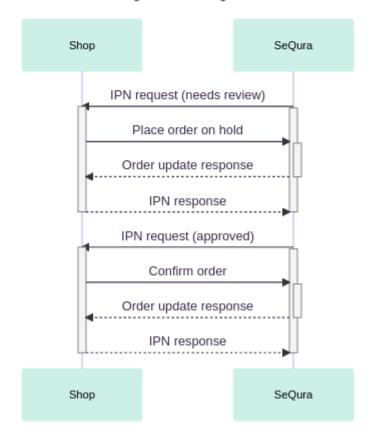


Once the order is finished using any Sequra Payment Method the flow is similar to this:

The interaction looks like this when the order is approved directly:



Or like this when the order goes first through review:



In case the order has been approved by Sequra (Sequra status approved) the confirmation page will look like this:

Receipt		
Order Number: 000	002016	
Order Date: 10/27/	:1	
Shipping Address:		
Rafa Test Test		
Direccion Valencia		
Valencia, Valencia 4	5001	
666666666		
Shipping Method:		
Ground (7-10 Busin	ess Days)	 € 5,99
Billing Address:		
Rafa Test Test		
Direccion Valencia		
Valencia, Valencia 4	5001	
666666666		

But in case that a review by Sequra is needed the payment Status will not be PAID and the confirmation page will look like this:

Thank you for your order.

You will receive an email confirmation shortly at

Receipt

Order Number: 000002015 Order Date: 10/27/21

Shipping Address:

Rafa Test Test Direccion Valencia Valencia, Valencia 46001

66666666

Shipping Method:

Billing Address:

Rafa Test Test Direccion Valencia Valencia, Valencia 46001

66666666

Payment:

Sequra - Divide en 3

¡Necesitamos un momentito para confirmar tu compra! En breve te enviaremos un mail con respuesta a tu solicitud. Es posible que nuestro equipo se ponga en contacto contigo para validar algunos datos.

There will be a message indicating that the payment has not been accepted yet.

When payment is accepted an asynchronous call is received and the Payment Status will be updated to PAID



Payment Information for Order '000002015'

€0.00
€226.79
00005001
Paid
SEQURA
Processor: SEQURA
Transaction: 000002015 Amount: €226.79
Amount: €226./9
Sequra Payment Method: sp1
Sequra Order Location URL: https://sandbox.sequrapi.com/orders/069f732e-1dae-47bb-9525-456a3357e0ef
Sequra Order Status: approved

6. Limitations.

Sequra is only available at the moment in three countries: Spain, Portugal and Italy.

Sequra Widget is not allowed with multi locale.

Checkout multi shipping is allowed when the country code is the same for every address.

7. Version and SFRA Support Info

7.1. Cartridge Version Location

int_sequra_sfra/cartridge/templates/resources/sequra_version.properties
app_storefront_base/cartridge/templates/resources/version.properties

7.2. SFRA Version Support

Sequra cartridge has been developed over SFRA 6.0.0

7.3. Compatibility Mode

Sequra Cartridge has been tested with Compatibility Mode 21.7

8. Fallback/Recovery

Please refer to the Sequra Support to determine specific up-times for the service. In case the service fails, these orders will not be able to proceed with and users will be provided with error messages. In this case you may need to disable Sequra Payment Method until the issue is resolved.

If the Sequra services become unavailable, error details can be found in the following logs:

- With the service-SequraRest prefix
- With the custom-Segura prefix

9. Testing

9.1. Unit Test

Requirements:

- Node.js version 8.9 or higher
- Java version 8 or higher

Launch:

On your path/link_sequra launch npm run unitTest.

9.2. Integration tests

Requirements:

- Node.js version 8.9 or higher
- Java version 8 or higher
- Google Chrome for test running (Chrome version 95)
- CodeceptJS
- WebDriver
- Selenium

Launch:

Test Data

In link_sequra/codecept.conf.js: Sandbox url has to be filled. In link_sequra/test/integration/config.js:

Global Data:

url: Sandbox url.

login: Checkout Login Url.

cart: Cart Show url.

Guest User Data:

guestEmail: User Email

guestFirstName: User First Name

guestLastName: User Surnames guestStreet: User Address1

guestHouseNumber: User House Number

guestState: User State
guestCity: User City

guestPostCode: User Postal Code

guestCountryCode: User Country Code(ES, IT or PT)

guestPhoneNumber: User phone Number

validationCode: guestPhoneNumber Five last Digits

dOB: Day of Birth (Example '10/10/1990')

idCard: User NIF

billingOption: Empty (Example ")

Registered User Data:

A user with one address registered in the sandbox is needed

registeredEmail: User Email

registeredPassword: User Password

validationCode: User Phone Five last Digits dOB:Day of Birth (Example '10/10/1990')

idCard: User NIF

billingOption: User Address Identification.

Custom Steps

All the custom steps are defined in the file link_sequra/test/integration/customsteps.js

Test running

On your path/link_sequra launch npm run integration-test.

USE CASES TESTED:

Test cases are included in the document SequraTestCases.pdf

10. Known Issues

Sequra Cartridge has no known issues so far.