NUVEI INTEGRATION

*21.1.0*

****

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# Summary

*Nuvei provides an end-to-end payment technology platform for accepting payments using a wide range of payment methods. The platform offers an extensive set of customizable integration solutions and plugins, which allow merchants to provide an optimized customer experience.*

# Component Overview

## Functional Overview

This guide gives you a summary of the overall features and advice on installing the Nuvei payment cartridge. There are the details of the various configurations and a final checklist to make sure that you have properly installed and configured the cartridge.

## Use Cases

The Nuvei integration cartridge offers a comprehensive suite of payment features designed with your integration needs in mind. It features:

* Quick and easy installation.
* Lowest possible PCI DSS burden. We will help you reach full compliance with minimum effort
* Full support whenever you need it.

These are the main features of the cartridge:

### Payment methods

#### Cards

Visa, MasterCard, American Express, Maestro

#### APMs

ApplePay, Alipay, AstroPay, Banco do Brasil, Bancontact, Bitpay, Boleto bancario, CASHlib, Citadel, E-Pro Visa, EasyEFT, eCheck Select, ecoPayz, Enteropay, Epay.bg, EPS, Euteller, Fast Bank Transfer, Giropay, HiPay, iDeal, iDebit, IDS, InstaDebit, Interac eTransfer, Interac Online, ITAU, KwickGO, Local Payment Options, MBWAY, Moneta, MuchBetter, MULTIBANCO, MyBank, Neosurf, Neteller, OnShop, Oxxo, PagoFacil, PassNGO, Pay by mobile, PayPal, PaySafeCard, Pingit, POLI, PostFinance Card, PostFinance eFinance, Przelewy24, PSE, Qiwi, Rapid Transfer, Rapipago, SafetyPay, Santander, Sepa, Siirto, Skrill, Sofortuberweisung, STPmex, Todito Cash, Trustly, TrustPay, UnionPay, Use My Services, VISA Checkout, WebMoney, Webpay, WeChat, Yandex.Money, Zimpler

*NOTE: Production testing has not been done for APMs. The features have been partially tested in a test environment. If you experience challenges in production, please contact your Relationship Manager or Nuvei support.*

### Payment pages

* Hosted payment page: Redirection or opening in a light box with the PCI-compliant payment page that Nuvei hosts
* Direct payment: Direct credit card payment without redirection to a hosted payment page.

### 3D-Secure

3D-Secure is a security protocol that was developed to provide an additional layer of security for online credit/debit card transactions.

The best practice is to use one of the Nuvei out-of-the-box, end-to-end solutions for 3D-Secure, for example Nuvei Web SDKs or the Nuvei Checkout Page.

These solutions take all the hard work out of implementing 3D-Secure, and manage all the 3D-Secure requirements along the entire payment flow, both on the client-side and server-side.

### Stored credentials

With sophisticated methods to improve authorization rates and ensure compliance, we support stored credentials for credit cards. This feature complies with scheme mandates for storing (and subsequently using) card payment credentials for cardholder and merchant-initiated transactions.

### Multi Merchant Support

The multi merchant support feature enables you to use different Nuvei merchant code(s) across several sites.

You can configure different Nuvei merchant codes for each site in the Business Manager instance.

### Locales

The cartridge supports OOTB locales for Controllers and SFRA SiteGenesis

## Compatibility

*The cartridges are available for Controllers (v105.1.0) and SFRA (v5.1.0) SiteGenesis implementations.*

*Compatibility mode: 19.10*

## Privacy, Payment

*This integration requires access to the following customer data elements: Billing Address, Shipping Address, Order Details and Customer Profile*

# Implementation Guide

## Before you start

### Prerequisites

You need to have installed and correctly set up your Salesforce store. If you have any problems with your Salesforce set-up, please visit the Salesforce support center.

If you have not already done so, you must contact Nuvei for the account details you will need for implementation. Check that your Implementation Manager or support contact has given you:

* A merchant code (or codes)
* A Merchant Administration Interface username and password

Make sure you have installed and correctly set up your SFRA site in Business Manager. Use your GitHub credentials to download SFRA and see the Salesforce B2C Commerce guide for more details.

### Access the system

Once you have the system setup and your credentials to login to the Merchant Administration Interface, follow these steps to configure your connection credentials:

1. Log in to the [Merchant Administration Interface](https://sandbox.safecharge.com/login?lang=en_us).
2. In the left menu go to the Settings section and then select **My Account**.
3. In **My Account** section you will see your settings:
   1. MERCHANT ID
   2. SECRET KEY
   3. Merchant Site ID`s

## Install the Salesforce cartridge

### Add the cartridge in the Salesforce Commerce Cloud Studio

Do the following:

1. In the **link-nuvei** folder, find and open package.json.
2. Ensure the base path is correctly resolved to app\_storefront\_base, as shown below:

“paths”: {

“base”: “../storefront-reference-architecture/cartridges/app\_storefront\_base/”

}

1. Check that node.js 8.9.4 or above is installed
2. Open the command prompt and run “npm install”.
3. Run “npm run build”.
4. Create the dw.json file in the same location where you downloaded the source code for the cartridge, as shown below:

{

“hostname”: “your-sandbox-hostname.demandware.net”,

“username”: “your login”,

“password”: “your pwd”,

“code-version”: “version\_to\_upload\_to”

}

## Setup of Business Manager

### Activate the cartridge in Business Manager

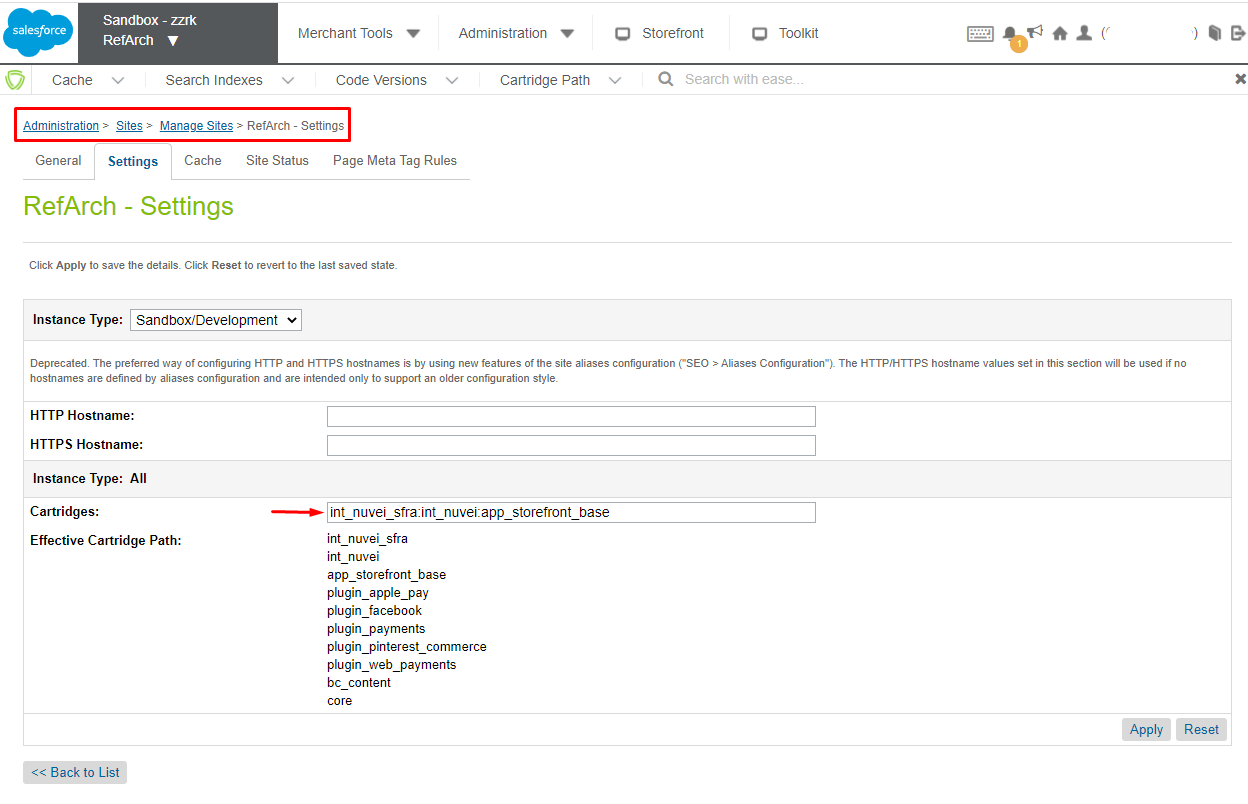
To make the Nuvei functionality available to the reference architecture, you must add the cartridges to the cartridge path of the sites.

#### Setup cartridge path for SFRA

Do the following:

1. Log in to the Business Manager.
2. Go to *Administration/Sites/Manage Sites*.
3. Click on the site name. The default tab is General. Go to the Settings tab.
4. In the Cartridges text box add: int\_nuvei\_sfra:int\_nuvei

Example Cartridges: int\_nuvei\_sfra:int\_nuvei:app\_storefront\_base



1. Click **Apply**.

*NOTE: Keep in mind other cartridges and integrations. Therefore, the final cartridge path could look like int\_nuvei\_sfra:int\_nuvei:YOUR\_OTHER\_CARTRIDGES:app\_storefront\_base*

*NOTE: Sandbox - To activate the cartridge for sandbox use, select the appropriate instance from the Instance*

*Type dropdown menu. Then repeat steps 4 and 5 above.*

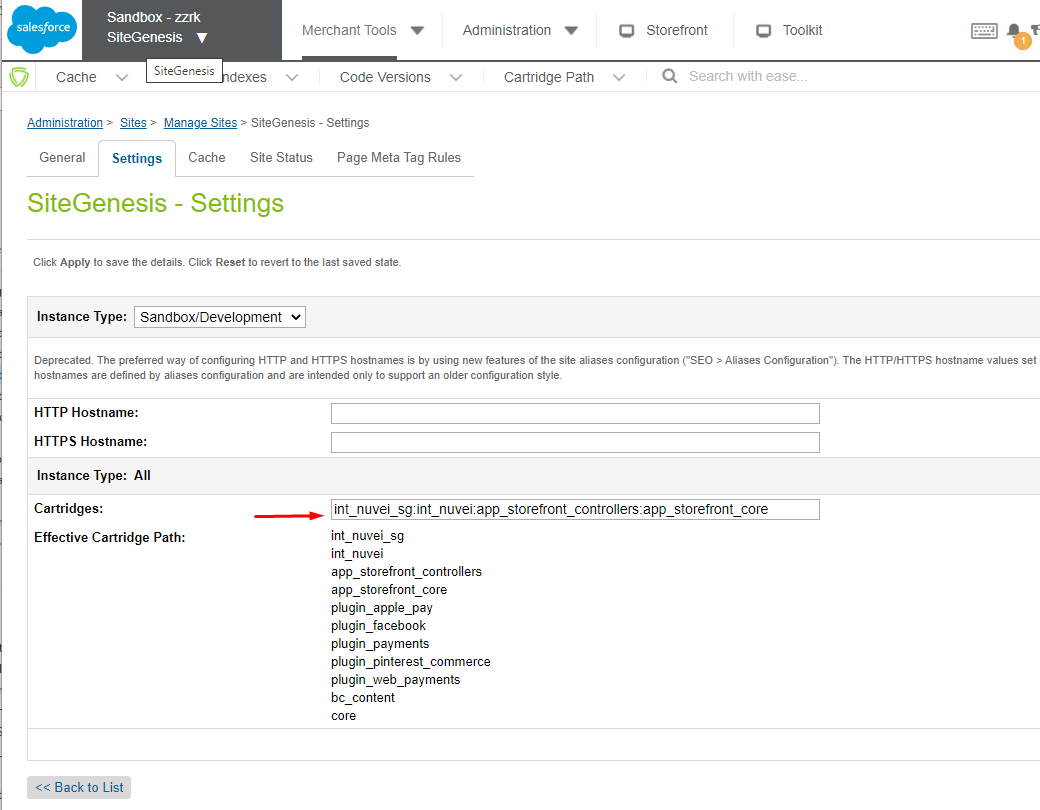
1. Repeat steps 3 to 6 for each site that will use Nuvei.

#### Setup cartridge path for Sitegenesis Controllers

Do the following:

1. Log in to the Business Manager.
2. Go to *Administration/Sites/Manage Sites*.
3. Click on the site name. The default tab is General. Go to the Settings tab.
4. In the Cartridges text box add: int\_nuvei\_sg:int\_nuvei

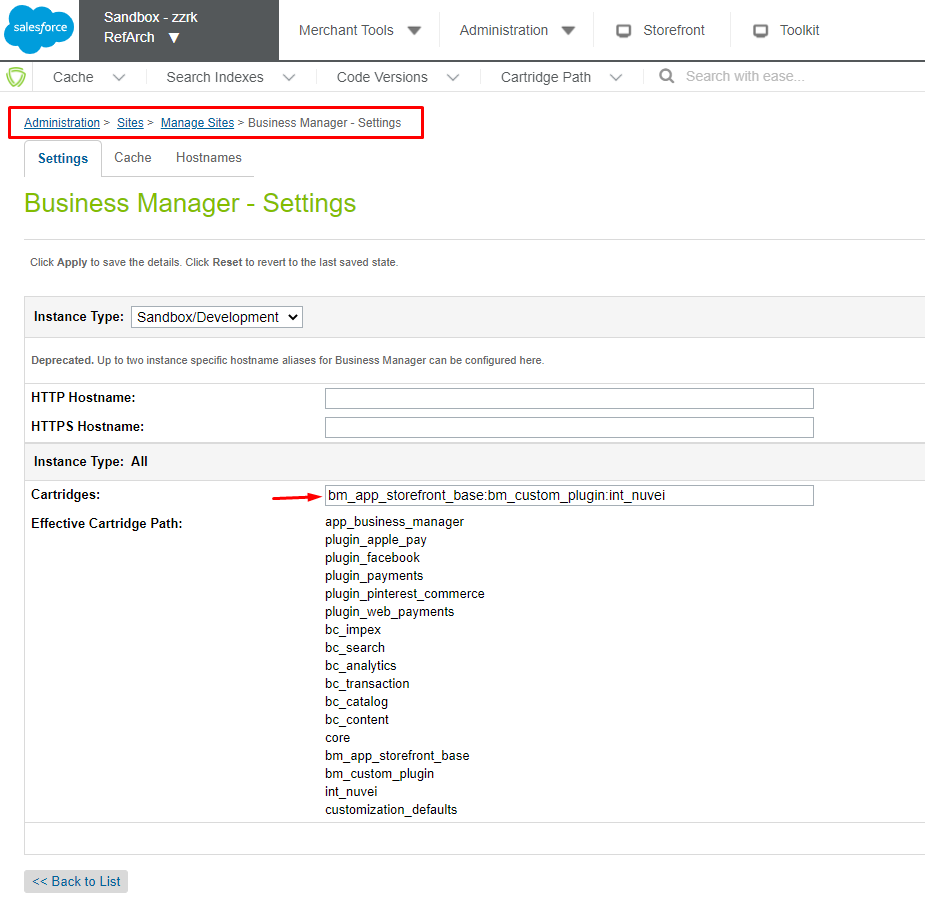
Example Cartridges: int\_nuvei\_sg:int\_nuvei:app\_storefront\_base



#### Setup cartridge path for Business Manager

1. To be able to run the job in the Nuvei cartridge, go to *Administration/Sites/Manage Sites*.
2. Go to *Manage the Business Manager site*.
3. In the Cartridges text field, enter: int\_nuvei

Example Cartridges: bm\_app\_storefront\_base:bm\_custom\_plugin:int\_nuvei

As shown below:   
 

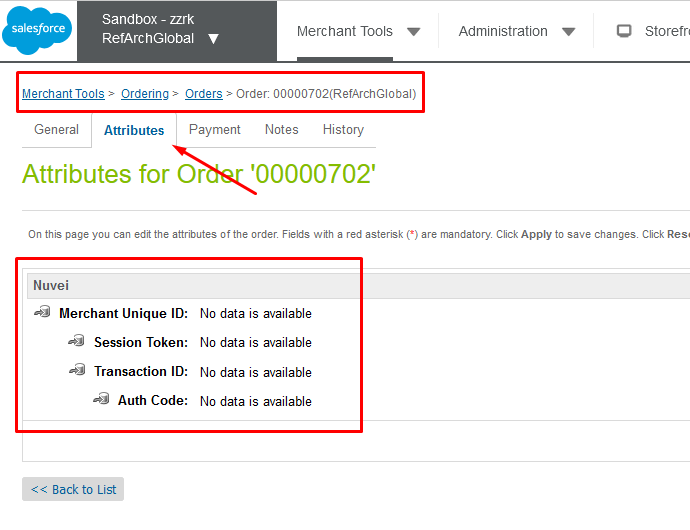
1. Click **Apply**.

### Importing metadata with a single site import

All the import files are in the import folder (metadata) in the cartridge installation pack.

*NOTE: The cartridge pack is the location where you have downloaded the source code from GitHub. The relative path looks like link\_nuvei/metadata*

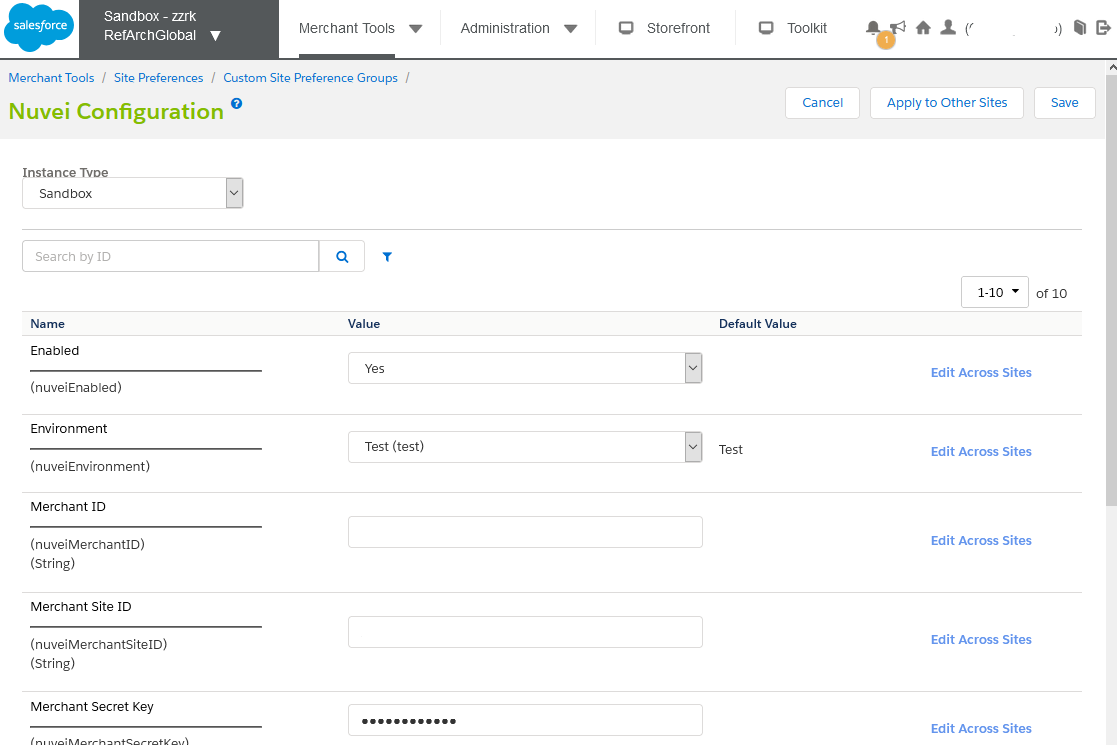
To import all the necessary Nuvei settings:

1. Open the metadata folder from the repository structure open *site\_import/jobs.xml*.
2. Change the references in RefArch to your site ID (*or you could do it after job is already imported*)
3. Ensure that the folders for sites in the *link-nuvei/metadata/site\_import/sites* have the appropriate site IDs of the sites where the XML is imported.
   1. Change the folder name RefArch to your first site ID
   2. Then copy and rename this folder to the site IDs for other sites you are planning to use Nuvei.
4. Zip the *site\_import* folder under *link-nuvei/metadata/* folder in the repository structure
5. Log in to Business Manager and go to *Administration/Site Development/Site Import & Export*
6. Click the **Upload** button to upload the zipped *site\_import* folder.
7. Select the uploaded file and click the **Import** button. After a successful import, all the cartridge configurations are available to you, according to your Nuvei account data.
8. Verify the order-level attributes in Business Manager. To do this go to *Site/Ordering/Order*. Open any order and go to the Attributes tab. It should similar to the screenshot below:  
   

## Configuration

### Managing custom site preferences

To manage your custom site preferences, do the following:

1. In Business Manager, go to *Site/Merchant Tool/Site Preferences/Custom Preferences*, where you will see many custom site preference groups.
2. Click the preference group with the Nuvei Configuration ID.  
   
3. Edit the attributes according to your Nuvei’s Account data.

### Configuration table and screens

This section shows configuration within the plugin, with details of what can be customized and what is set as default.

### Site Preferences configuration table

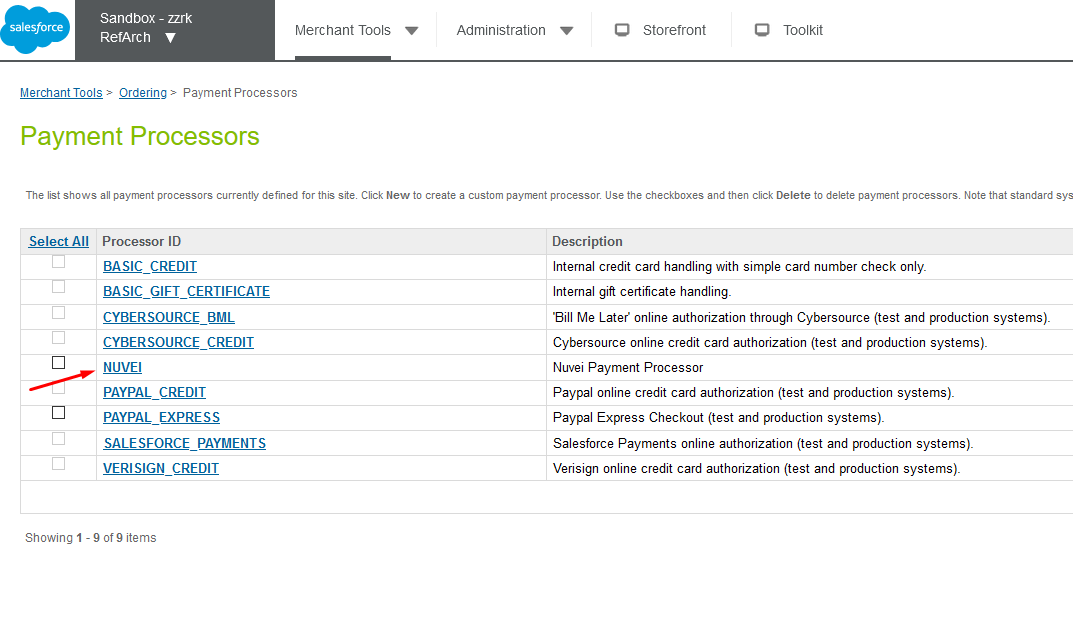
To access these preferences, go to *Site/Merchant Tool/Site Preferences/Custom Preferences/Nuvei Configuration*

*\* = Mandatory field.*

|  |  |  |
| --- | --- | --- |
| Site Preference () | Description | Default values |
| Enabled\* (nuveiEnabled) | The flag manages Nuvei integration. If set to True, Nuvei will be enabled for the site | Yes |
| Environment\*  (nuveiEnvironment) | The environment you are running on, 'prod' for Production, ‘test’ for Sandbox. Using for Direct integration type | Test |
| Merchant ID\*  (nuveiMerchantID) | The vendor’s unique identification number provided by Nuvei. You can access in the  [Merchant Administration Interface](https://sandbox.safecharge.com/login?lang=en_us). | Your merchant ID from Nuvei |
| Merchant Site ID\*  (nuveiMerchantSiteID) | The vendor website’s unique identification number provided by Nuvei. You can access in the  [Merchant Administration Interface](https://sandbox.safecharge.com/login?lang=en_us). | Your site ID from Nuvei |
| Merchant Secret Key\*  (nuveiMerchantSecretKey) | The secret key for checksum calculations used for API requests. You can access in the  [Merchant Administration Interface](https://sandbox.safecharge.com/login?lang=en_us). | Your Secret Key from Nuvei |
| Transaction Type\*  (nuveiTransactionType) | The type of transaction: **Sale, Auth, or PreAuth**.  *See more information in the* [*documentation*](https://docs.safecharge.com/documentation/features/auth-and-settle/) | Auth |
| Redirect Mode\*  (nuveiRedirectMode) | Payment page type: Hosted or Direct | Hosted Page |
| Redirect Type\*  (nuveiRedirectType) | Type of the flow to be used for Hosted Payment page: **redirect** or **iFrame**.   * If the “redirect” type chosen the Customer will be redirected to Nuvei’s HPP. * If “Iframe” type chosen the Customer will stay on site’s Payment Page and HPP will be opened in light box(popup) | redirect |
| Merchant Name  (nuveiMerchantName) | Optional setting to be used to perform Settle Transactions |  |
| Merchant Phone  (nuveiMerchantPhone) | Optional setting to be used to perform Settle Transactions |  |

### Verify your payment processors

After you have uploaded the metadata, all your payment-processor details are updated automatically. You must now verify these payment processors. To do this:

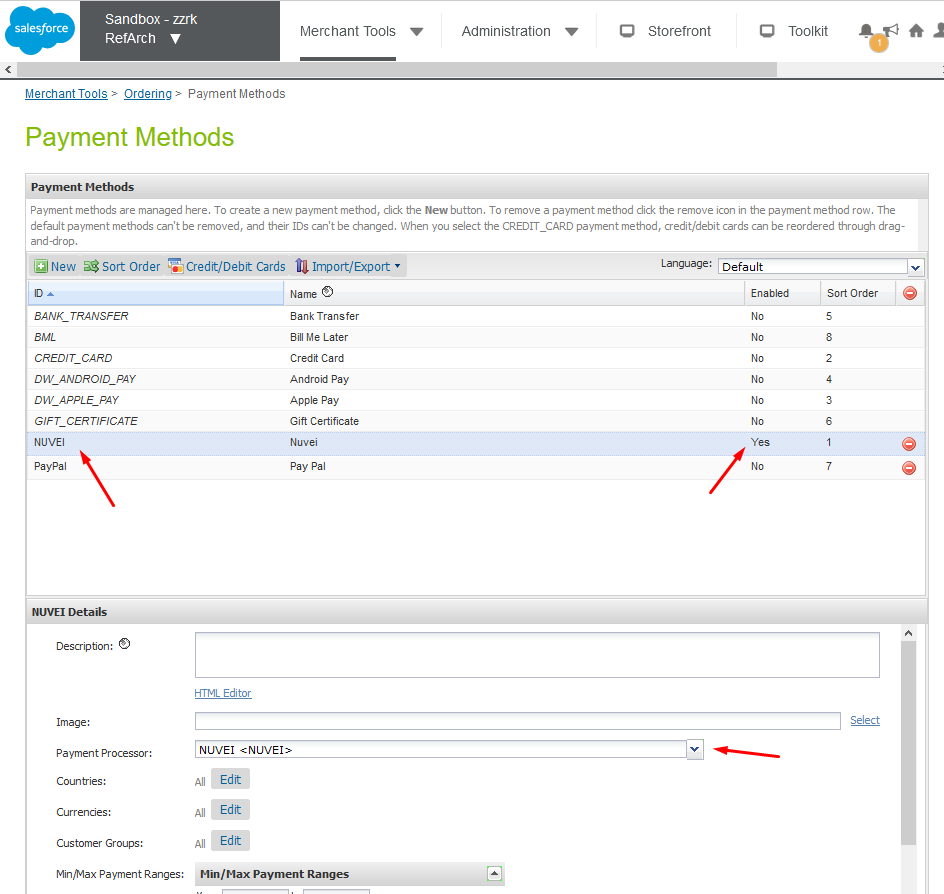
1. In Business Manager, select the site you want to configure from the dropdown and go to *Merchant Tools/Ordering/Payment Processors*.
2. Check that the “NUVEI” processor is listed. See the screenshot below  
   

### Payment methods

In the integration package, a payment-method definition is provided in the file payment-methods.xml within the metadata folder that you have already imported.

To enable the payment methods:

1. Go to *Merchant Tools/Ordering/Payment Methods* and enable the payment methods as required.
2. Check the table with payment methods and find “NUVEI”. Check the Payment Processor for this method. It should set as “NUVEI”
3. Enable the payment method as required



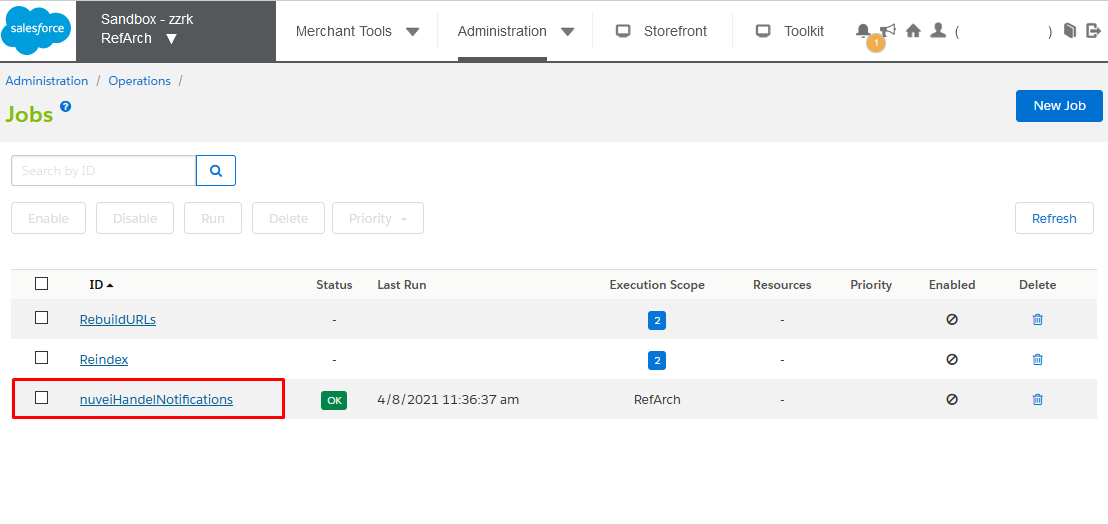
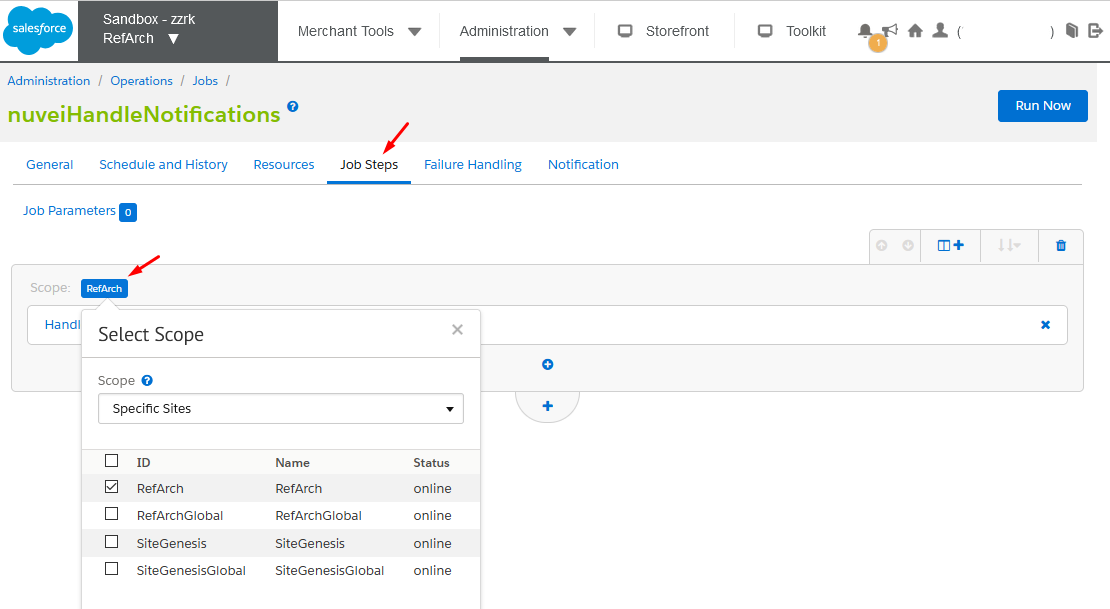
### Managing jobs

A job definition is provided in jobs.xml. Below is the job associated with the cartridge.

|  |  |
| --- | --- |
| Job | Description |
| nuveiHandleNotifications | Picks the details stored in custom objects as part of the order notification flow from Nuvei. The job sorts the details in order of creation time. The job then reads the custom objects one by one and updates their statuses (Order Status/Payment Status/Confirmation Status) in Business Manager. |

#### Associate job with sites

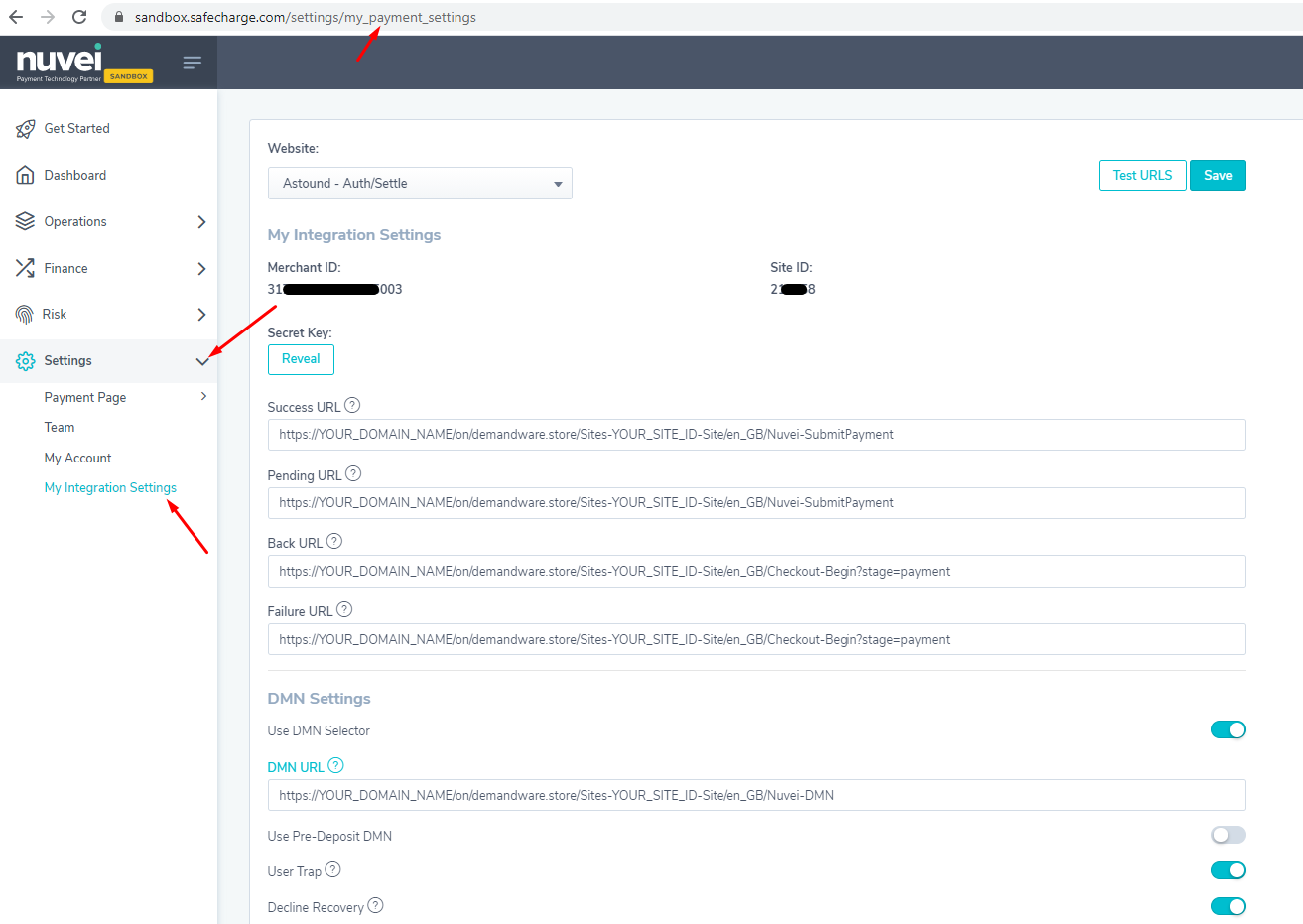
Make sure you associate jobs with each of your sites. To do this:

1. In Business Manager, go to *Administration/Operations/Jobs*. The jobs including the one present in out of the box (OOTB) are listed here.  
     
   On the screenshot above you can see all the jobs listed. You can see if the jobs are enabled, the last run time, status of the last run, priority and execution scope.
2. Select the job nuveiHandleNotifications and go to Job Steps tab then set the scope for your sites  
   

### Merchant DMN configuration

To use Nuvei integration properly you should set up several service URLs in your Nuvei’s Merchant Administration Interface. To do this:

1. Log in to the [Merchant Administration Interface](https://sandbox.safecharge.com/login?lang=en_us).
2. In the left menu go to the **Settings** section and then select **My Integration Settings**.
3. Fill the following fields: **Success URL, Pending URL, Back URL, Failure URL, and DMN URL**



See descriptions and possible values for the URLs in the table below. Change the placeholders:

* YOUR\_DOMAIN\_NAME with your site’s domain name
* YOUR\_SITE\_ID with the SFCC’s site ID where are you are using this integration

|  |  |  |
| --- | --- | --- |
| URL | Description | Value |
| Success URL | Following a SUCCESSFUL transaction the user will be redirect to this URL | https://YOUR\_DOMAIN\_NAME/on/demandware.store/Sites-YOUR\_SITE\_ID-Site/default/Nuvei-SubmitPayment |
| Pending URL | If the transaction status is PENDING, the user will be redirected to this URL (Most APM flows return Pending state at first) | https://YOUR\_DOMAIN\_NAME/on/demandware.store/Sites-YOUR\_SITE\_ID-Site/default/Nuvei-SubmitPayment |
| Back URL | If the user selects the BACK button/CANCELS the transaction will be redirected to this URL | https://YOUR\_DOMAIN\_NAME/on/demandware.store/Sites-YOUR\_SITE\_ID-Site/default/Nuvei-Back |
| Failure URL | Following a FAILED transaction the user will be redirect to this URL | https://YOUR\_DOMAIN\_NAME/on/demandware.store/Sites-YOUR\_SITE\_ID-Site/default/Checkout-Begin?stage=payment |
| DMN URL | The server URL where our Direct Merchant Notifications (DMN) will be received. | https://YOUR\_DOMAIN\_NAME/on/demandware.store/Sites-YOUR\_SITE\_ID-Site/default/Nuvei-DMN |

## Custom Code

### SFRA Changes

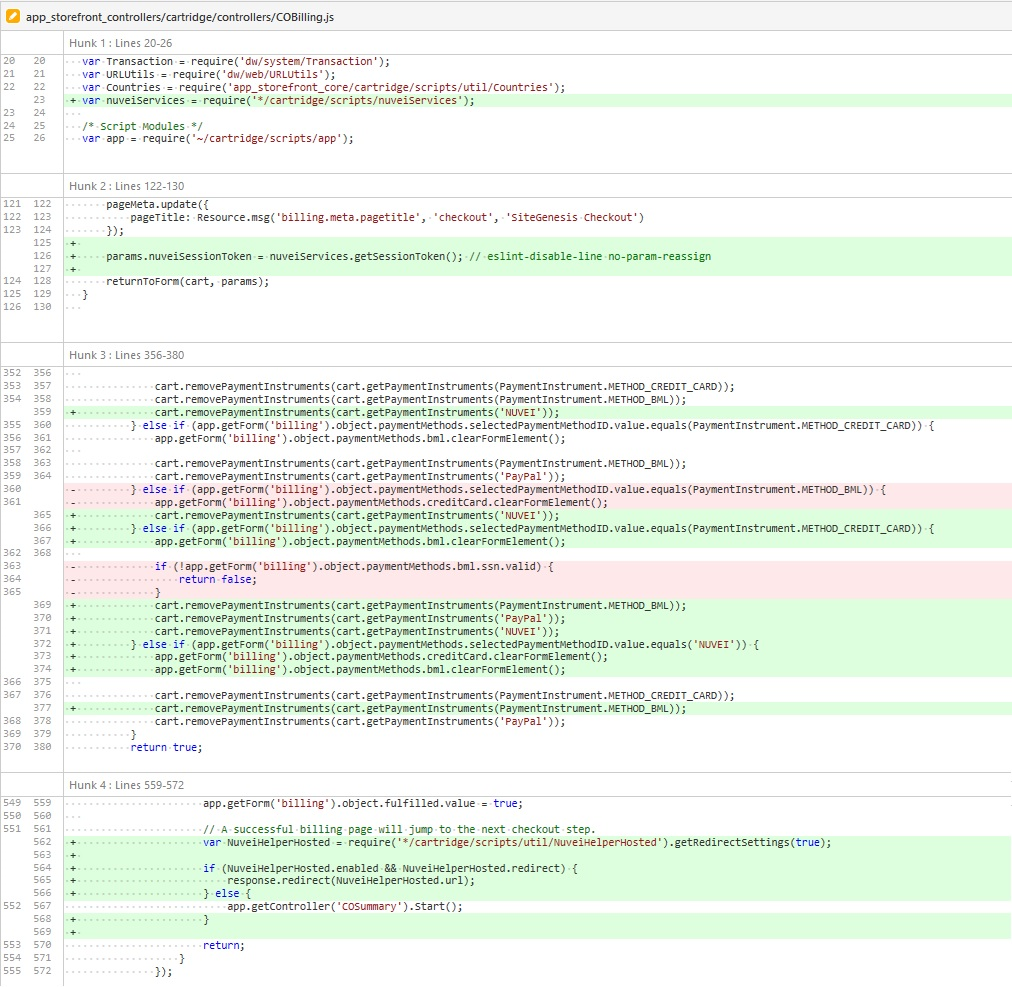
No special changes needed just build and upload the cartridges, and setup cartridge path (see sections 2.2, 2.3)

### Sitegenesis Controllers

In order for the integration to work, a few updates needs to be made on the storefront cartridge.

All the changes are stored in cartridge **nuvei\_sg\_changes**

**app\_storefront\_controllers/cartridge/controllers/controllers/COBilling.js**: **Modify**



|  |  |
| --- | --- |
| 23+ | var nuveiServices = require('\*/cartridge/scripts/nuveiServices'); |

|  |  |
| --- | --- |
| 126+ |  |
| 127+ | params.nuveiSessionToken = nuveiServices.getSessionToken(); |
| 128+ |  |
|  |  |
| 129+ | var errorMessage = nuveiHelper.getErrorMessage(); |
| 130+ |  |
| 131+ | if (errorMessage) { |
| 132+ | params.errorMessage = errorMessage; |
| 133+ | nuveiHelper.clearErrorMessage(); |
| 134+ | } |
| 135+ |  |

|  |  |
| --- | --- |
| 367+ | cart.removePaymentInstruments(cart.getPaymentInstruments('NUVEI')); |
| 368+ | } else if (app.getForm('billing').object.paymentMethods.selectedPaymentMethodID.value.equals(PaymentInstrument.METHOD\_CREDIT\_CARD)) { |
| 369+ | app.getForm('billing').object.paymentMethods.bml.clearFormElement(); |
| 370+ |  |
| 371+ | cart.removePaymentInstruments(cart.getPaymentInstruments(PaymentInstrument.METHOD\_BML)); |
| 372+ | cart.removePaymentInstruments(cart.getPaymentInstruments('PayPal')); |
| 373+ | cart.removePaymentInstruments(cart.getPaymentInstruments('NUVEI')); |

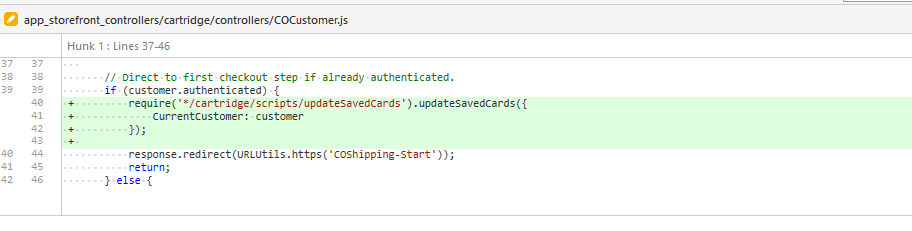
|  |  |
| --- | --- |
| 360- | } else if (app.getForm('billing').object.paymentMethods.selectedPaymentMethodID.value.equals(PaymentInstrument.METHOD\_BML)) { |
| 379+ | cart.removePaymentInstruments(cart.getPaymentInstruments('NUVEI')); |
| 380+ | } else if (app.getForm('billing').object.paymentMethods.selectedPaymentMethodID.value.equals('NUVEI')) { |

|  |  |
| --- | --- |
| 362- |  |
| 363- | if (!app.getForm('billing').object.paymentMethods.bml.ssn.valid) { |
| 364- | return false; |
| 365- | } |
| 382+ | app.getForm('billing').object.paymentMethods.bml.clearFormElement(); |

|  |  |
| --- | --- |
| 385+ | cart.removePaymentInstruments(cart.getPaymentInstruments(PaymentInstrument.METHOD\_BML)); |

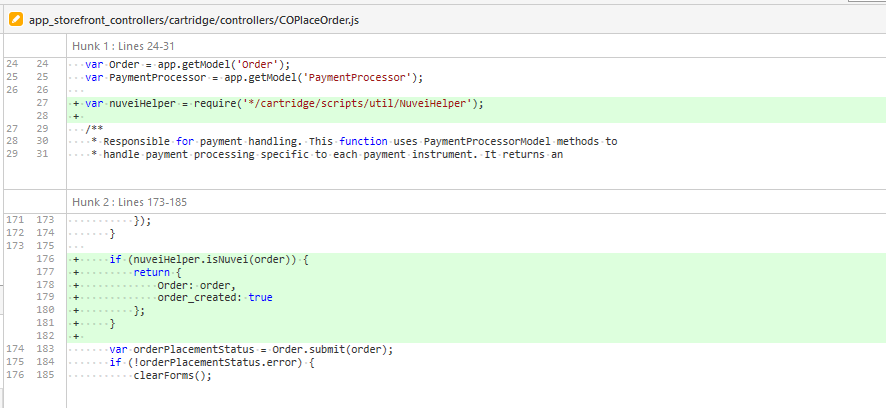
|  |  |
| --- | --- |
| 552- | app.getController('COSummary').Start(); |
| 569+ | var NuveiHelperHosted = require('\*/cartridge/scripts/util/NuveiHelperHosted').getRedirectSettings(true); |
| 570+ | if (NuveiHelperHosted.enabled && NuveiHelperHosted.redirect) { |
| 571+ | response.redirect(NuveiHelperHosted.url); |
| 572+ | } else { |
| 573+ | app.getController('COSummary').Start(); |
| 574+ | } |

**app\_storefront\_controllers/cartridge/controllers/controllers/COCustomers.js**: **Modify**



|  |  |
| --- | --- |
| 40+ | require('\*/cartridge/scripts/updateSavedCards').updateSavedCards({ |
| 41+ | CurrentCustomer: customer |
| 42+ | }); |

**app\_storefront\_controllers/cartridge/controllers/COPlaceOrder.js**: **Modify**



|  |  |
| --- | --- |
| 27+ | var nuveiHelpers = require('\*/cartridge/scripts/util/NuveiHelper'); |

|  |  |
| --- | --- |
| 176+ | if (nuveiHelper.isNuvei(order)) { |
| 177+ | return { |
| 178+ | Order: order, |
| 179+ | order\_created: true |
| 180+ | }; |
| 181+ | } |

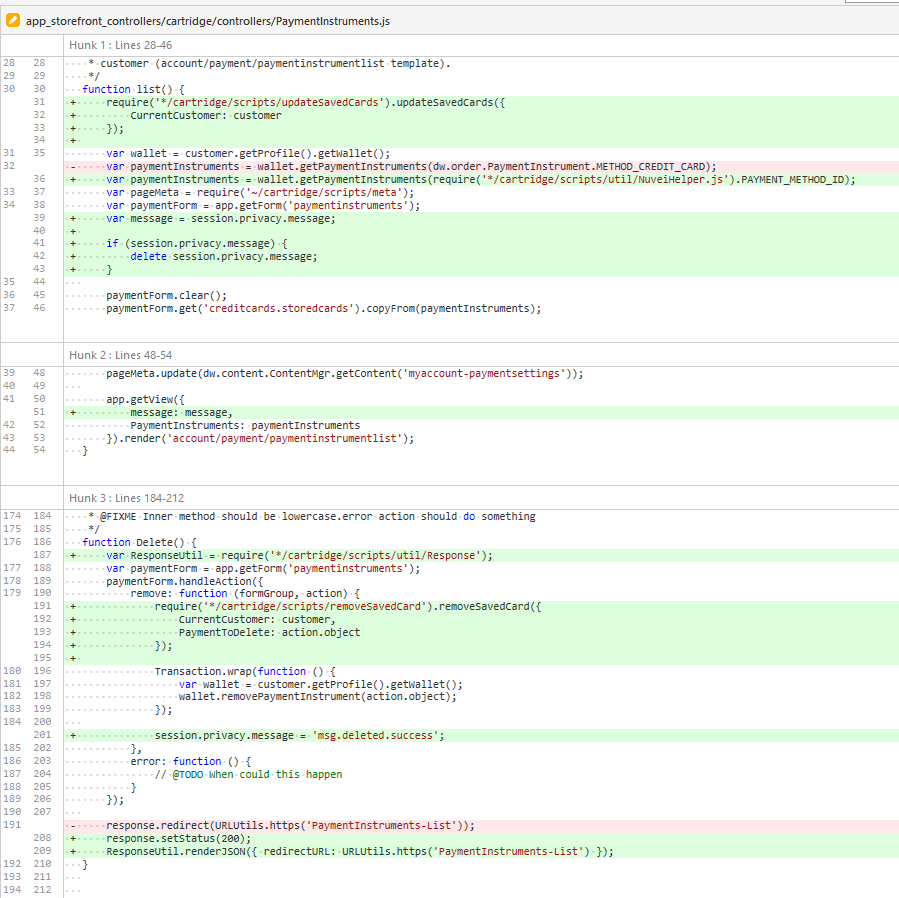
**app\_storefront\_controllers/cartridge/controllers/COSummary.js**: **Modify**



|  |  |
| --- | --- |
| 27+ | var nuveiHelpers = require('\*/cartridge/scripts/util/NuveiHelper'); |

|  |  |
| --- | --- |
| 49+ | if (nuveiHelpers.isNuvei(cart.object) && (empty(context) || empty(context.PlaceOrderError))) { |
| 50+ | submit(); |
| 51+ |  |
| 52+ | return; |
| 53+ | } |

**app\_storefront\_controllers/cartridge/controllers/PaymentInstruments.js**: **Modify**



|  |  |
| --- | --- |
| 31+ | require('\*/cartridge/scripts/updateSavedCards').updateSavedCards({ |
| 32+ | CurrentCustomer: customer |
| 33+ | }); |
| 34+ |  |

|  |  |
| --- | --- |
| 32- | var paymentInstruments = wallet.getPaymentInstruments(dw.order.PaymentInstrument.METHOD\_CREDIT\_CARD); |
| 36+ | var paymentInstruments = wallet.getPaymentInstruments(require('\*/cartridge/scripts/util/NuveiHelper.js').PAYMENT\_METHOD\_ID); |

|  |  |
| --- | --- |
| 39+ | var message = session.privacy.message; |

|  |  |
| --- | --- |
| 41+ | if (session.privacy.message) { |
| 42+ | delete session.privacy.message; |
| 43+ | } |
| 44+ |  |

|  |  |
| --- | --- |
| 52+ | message: message, |

|  |  |
| --- | --- |
| 187+ | var ResponseUtil = require('\*/cartridge/scripts/util/Response'); |

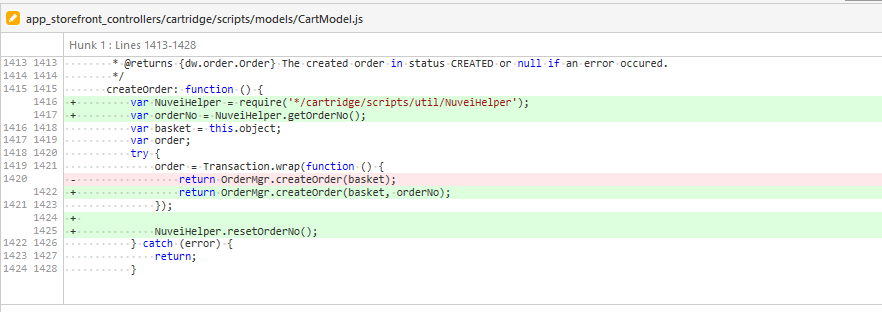
|  |  |
| --- | --- |
| 191+ | require('\*/cartridge/scripts/removeSavedCard').removeSavedCard({ |
| 192+ | CurrentCustomer: customer, |
| 193+ | PaymentToDelete: action.object |
| 194+ | }); |
| 195+ |  |

|  |  |
| --- | --- |
| 201+ | session.privacy.message = 'msg.deleted.success'; |

|  |  |
| --- | --- |
| 208+ | response.setStatus(statusCode); |
| 209+ | ResponseUtil.renderJSON({}); |

### Sitegenesis Models

**app\_storefront\_controllers/cartridge/scripts/models/CartModel.js**: **Modify**



|  |  |
| --- | --- |
| 1416+ | var NuveiHelper = require('\*/cartridge/scripts/util/NuveiHelper'); |
| 1417+ | var orderNo = NuveiHelper.getOrderNo(); |

|  |  |
| --- | --- |
| 1422+ | return OrderMgr.createOrder(basket, orderNo); |

|  |  |
| --- | --- |
| 1424+ |  |
| 1425+ | NuveiHelper.resetOrderNo(); |

### Sitegenesis Forms

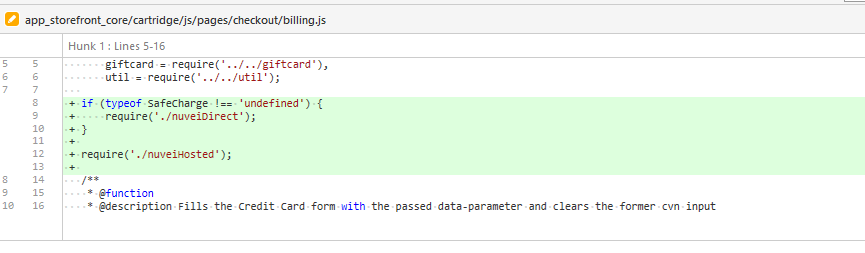
**app\_storefront\_core/cartridge/forms/default/billing.xml**: **Modify**



|  |  |
| --- | --- |
| 61+ | <include formid="nuveiFields" name="nuvei" /> |

### Sitegenesis Client JS

**app\_storefront\_core/cartridge/js/pages/checkout/billing.js**: **Modify**



|  |  |
| --- | --- |
| 8+ | if (typeof SafeCharge !== 'undefined') { |
| 9+ | require('./nuveiDirect'); |
| 10+ | } |
| 11+ | require('./nuveiHosted'); |
| 12+ |  |

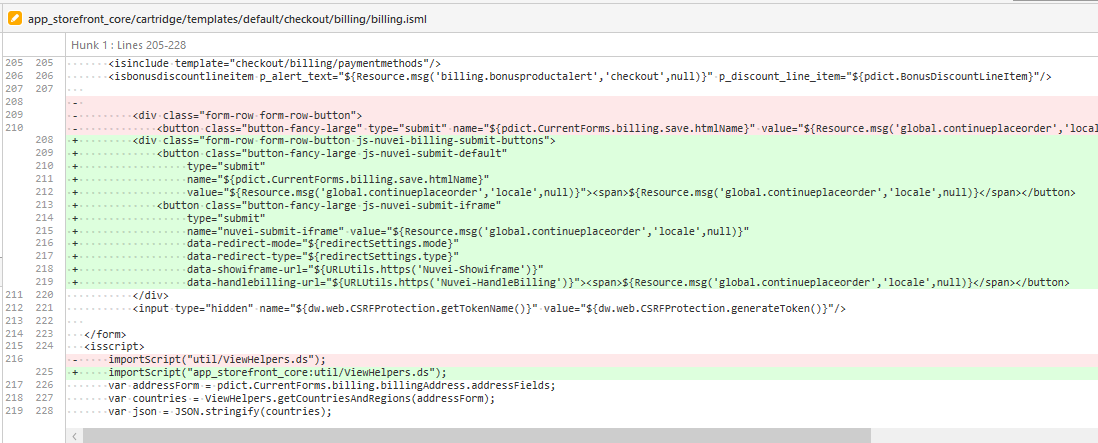
**app\_storefront\_core/cartridge/js/pages/checkout/nuveiHosted.js Add**   
**app\_storefront\_core/cartridge/js/pages/checkout/nuveiDirect.js** **Add**

### Sitegenesis SCSS

**app\_storefront\_core/cartridge/scss/default/nuvei.scss** **Add**

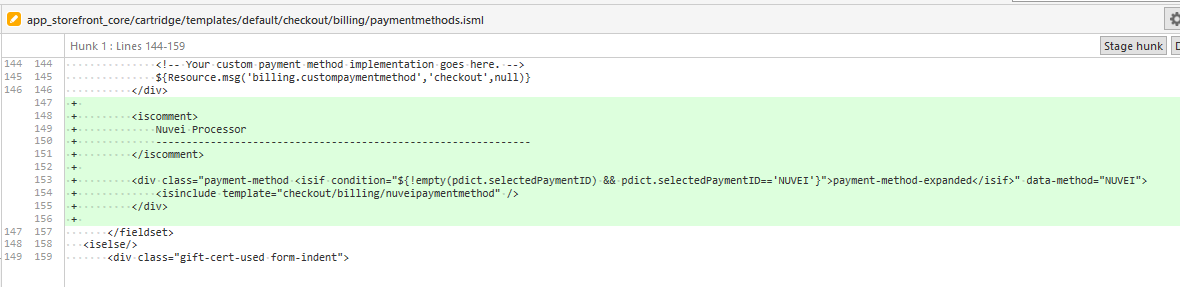
### Sitegenesis ISML

**app\_storefront\_core/cartridge/templates/default/checkout/billing/billing.isml**



|  |  |
| --- | --- |
| 209-210- | <div class="form-row form-row-button">  <button class="button-fancy-large" type="submit" name="${pdict.CurrentForms.billing.save.htmlName}" value="${Resource.msg('global.continueplaceorder','locale',null)}"><span>${Resource.msg('global.continueplaceorder','locale',null)}</span></button> |
| 208-220+ | <div class="form-row form-row-button js-nuvei-billing-submit-buttons">  <button class="button-fancy-large js-nuvei-submit-default"  type="submit"  name="${pdict.CurrentForms.billing.save.htmlName}"  value="${Resource.msg('global.continueplaceorder','locale',null)}"><span>${Resource.msg('global.continueplaceorder','locale',null)}</span></button>  <button class="button-fancy-large js-nuvei-submit-iframe"  type="submit"  name="nuvei-submit-iframe" value="${Resource.msg('global.continueplaceorder','locale',null)}"  data-redirect-mode="${redirectSettings.mode}"  data-redirect-type="${redirectSettings.type}"  data-showiframe-url="${URLUtils.https('Nuvei-Showiframe')}"  data-handlebilling-url="${URLUtils.https('Nuvei-HandleBilling')}"><span>${Resource.msg('global.continueplaceorder','locale',null)}</span></button> |

**app\_storefront\_core/cartridge/templates/default/checkout/billing/paymentmethods.isml**



|  |  |
| --- | --- |
| 147-156+ | <iscomment>  Nuvei Processor  --------------------------------------------------------------  </iscomment>  <div class="payment-method <isif condition="${!empty(pdict.selectedPaymentID) && pdict.selectedPaymentID=='NUVEI'}">payment-method-expanded</isif>" data-method="NUVEI">  <isinclude template="checkout/billing/nuveipaymentmethod" />  </div> |

## External Interfaces

All requests are done through Nuvei’s REST API and with the checksum calculated using SHA-256 with the secret key provided by Nuvei. Only HTTPS is allowed. JSON is used across all communications.

The full reference guide, along with the resource structure for requests & responses, can be found in

the developer portal:

* Documentation https://docs.safecharge.com/documentation/payment-overview/intro/
* API Reference https://www.safecharge.com/docs/API/main/indexMain\_v1\_0.html
* Additional Services https://www.safecharge.com/docs/API/advanced/indexAdvanced.html

## Firewall Requirements

No special rules needed as all of the requests are going to through common https port (443) to the following domains:

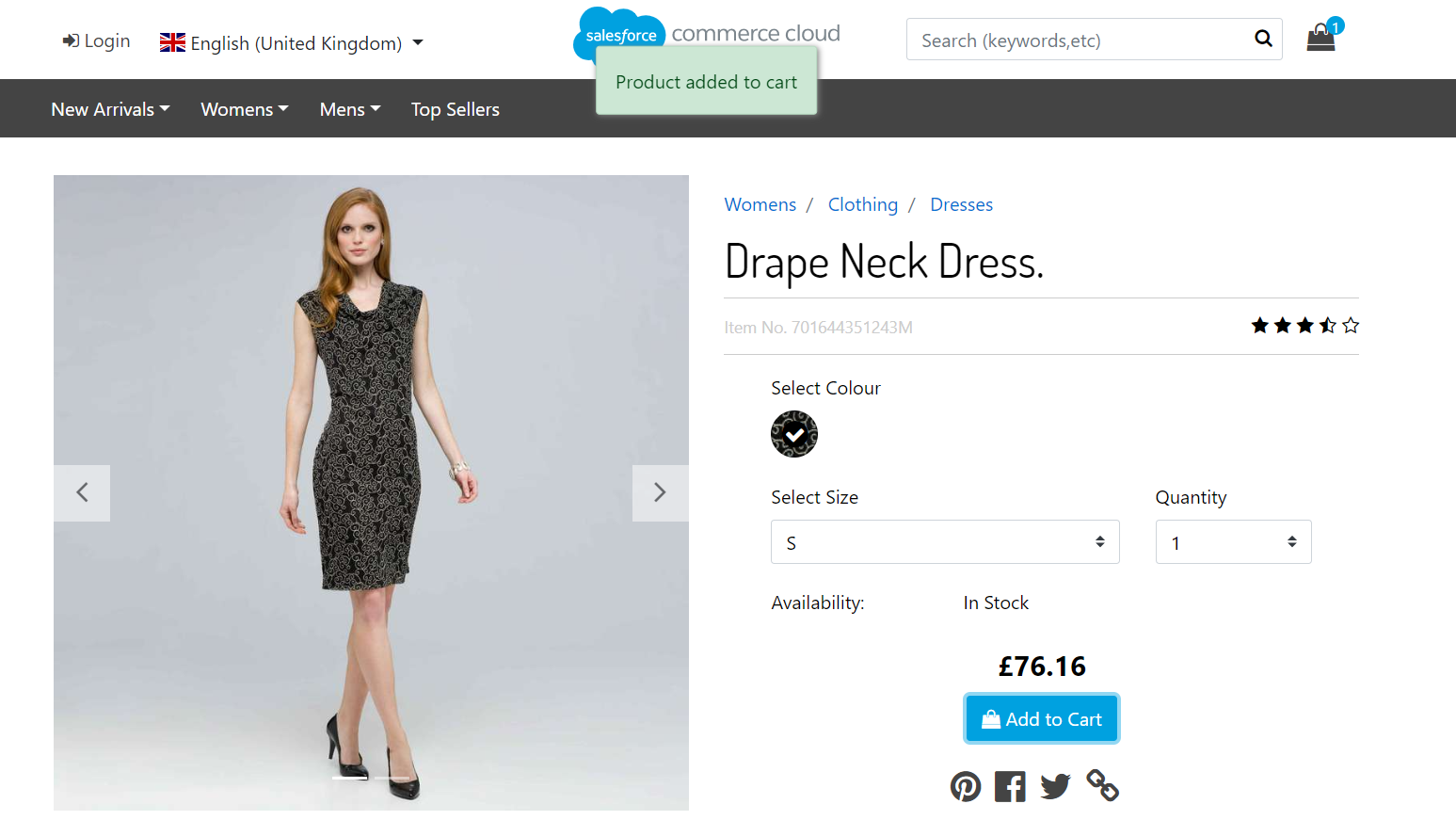
* Live: secure.safecharge.com (ex. https://secure.safecharge.com/ppp/api/v1/getSessionToken.do)
* Test: ppp-test.safecharge.com (ex. https://ppp-test.safecharge.com/ppp/api/v1/getSessionToken.do)

# Testing

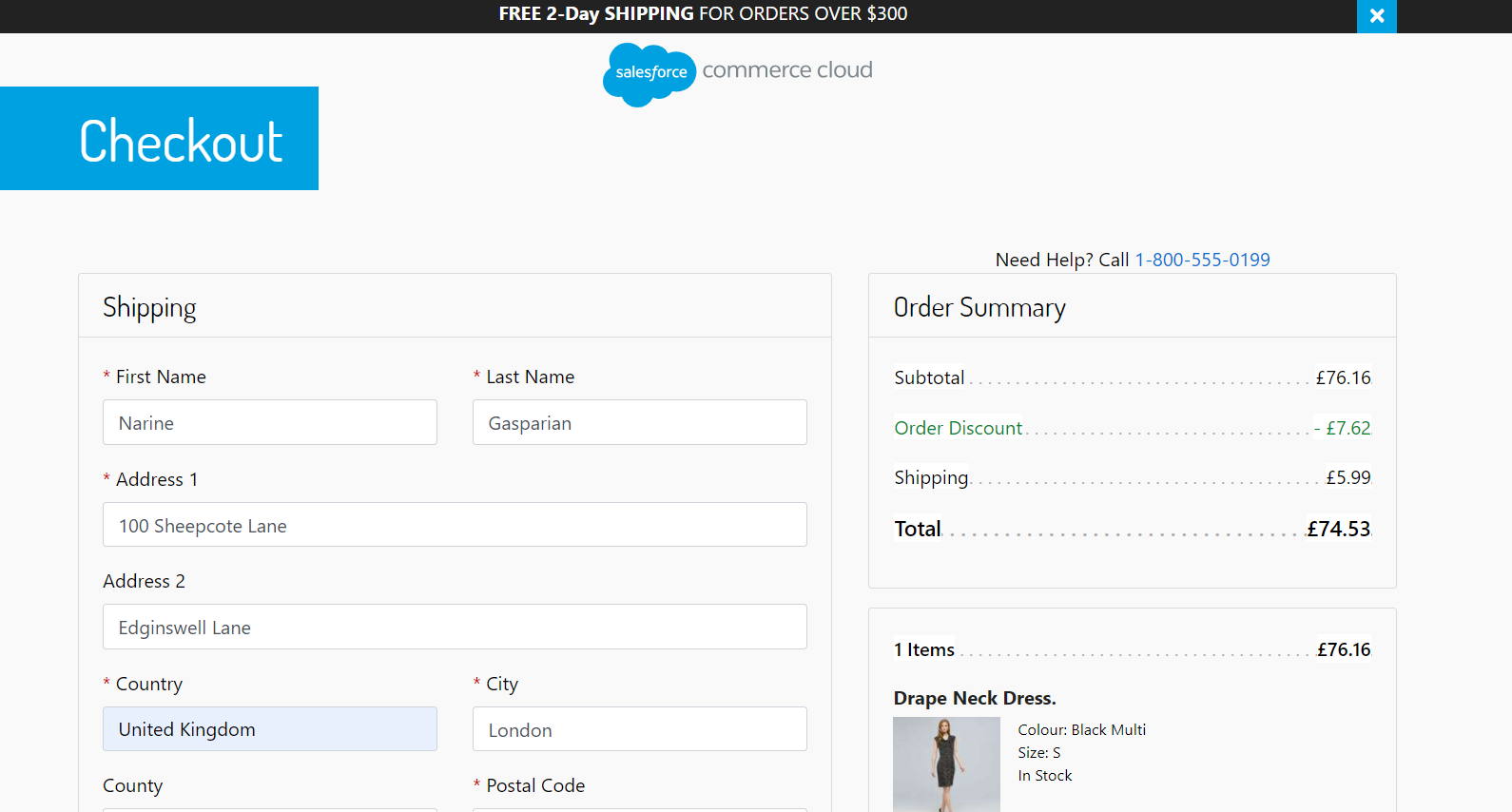
Once the cartridge is installed and integrated based on instructions, please try to place an order on your sandbox to test the functionality.

## Storefront Checkout Flow

### Direct mode Credit Card or APM

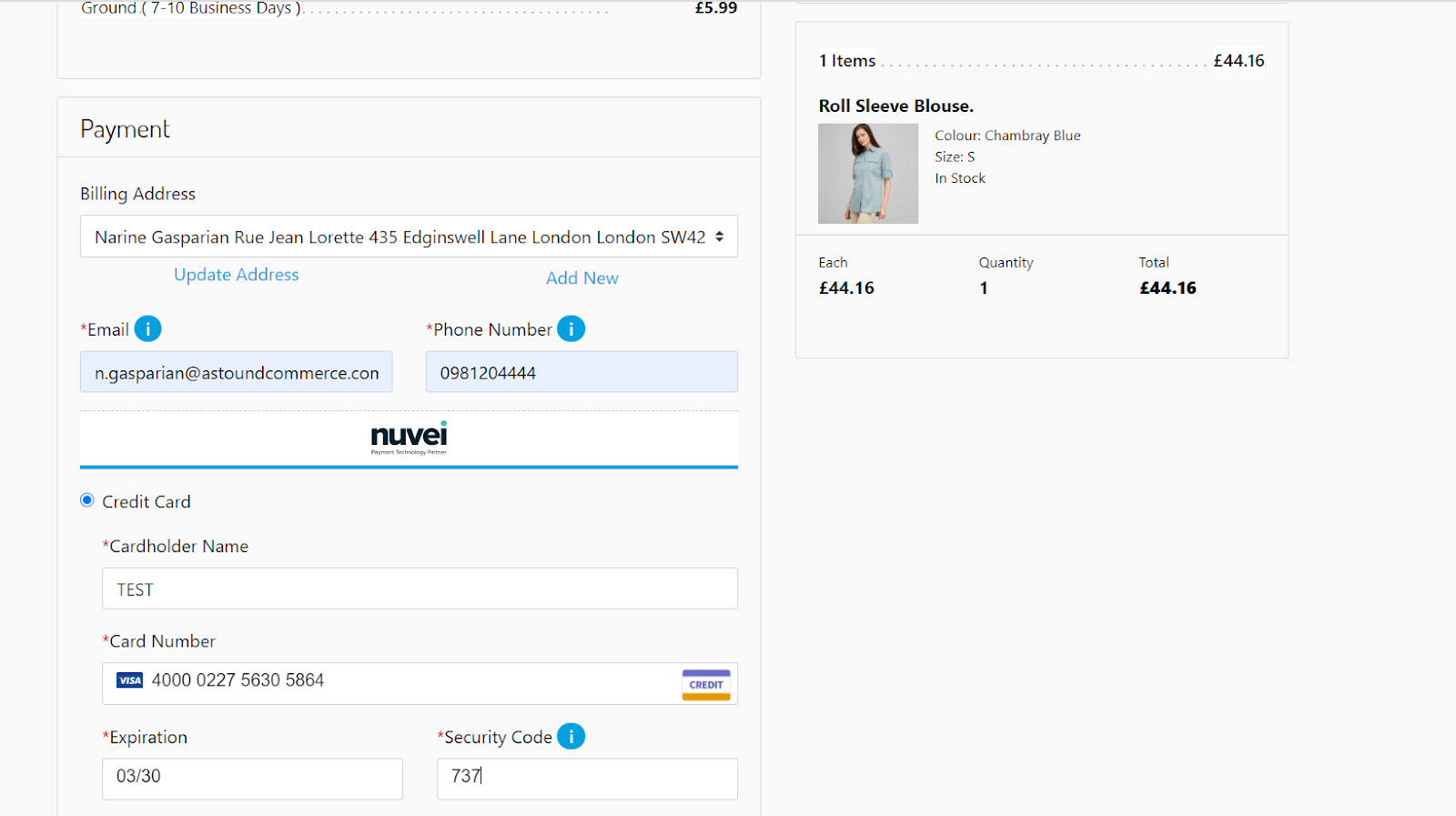
****

#### Shipping Page

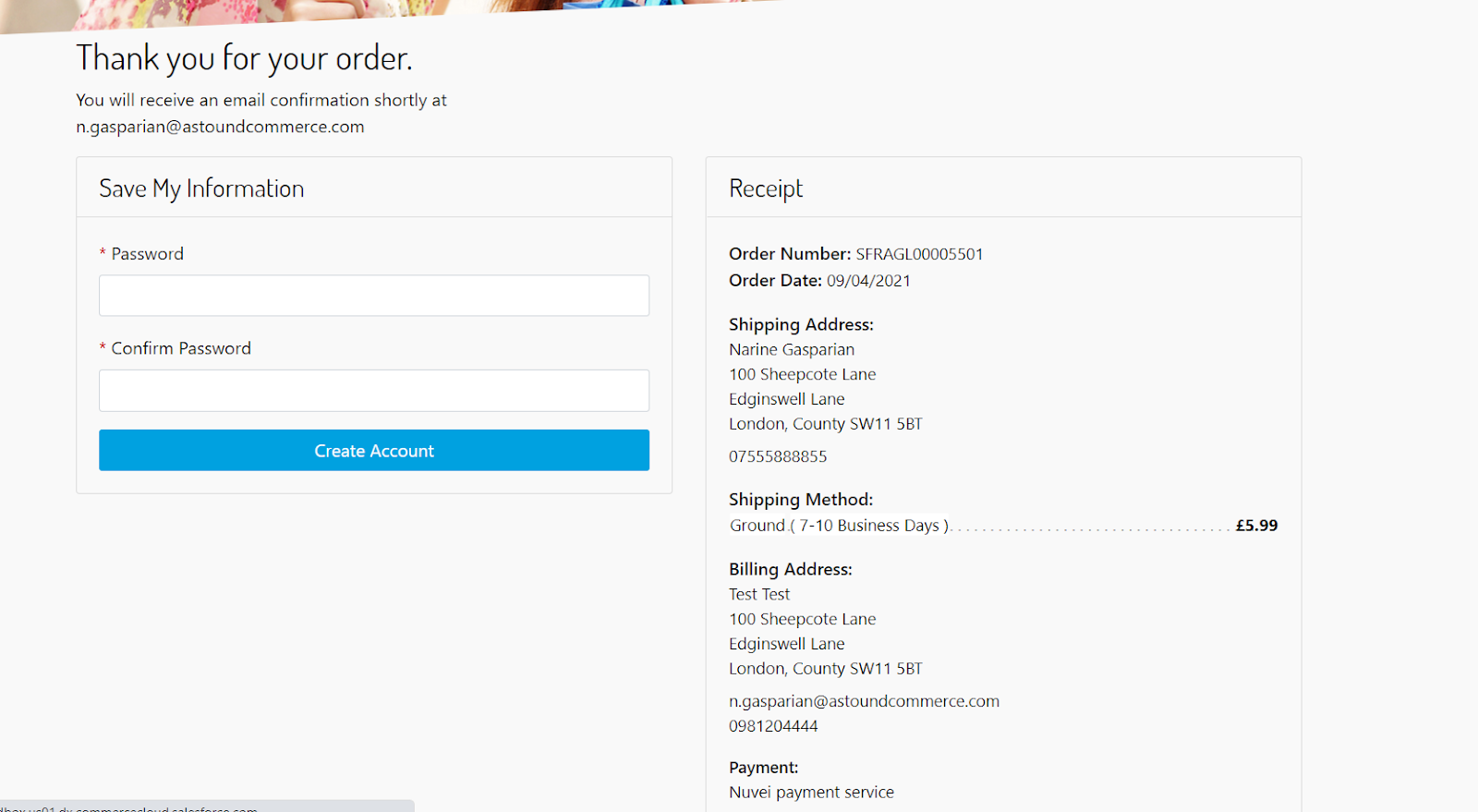
****

#### Direct mode: Credit Card

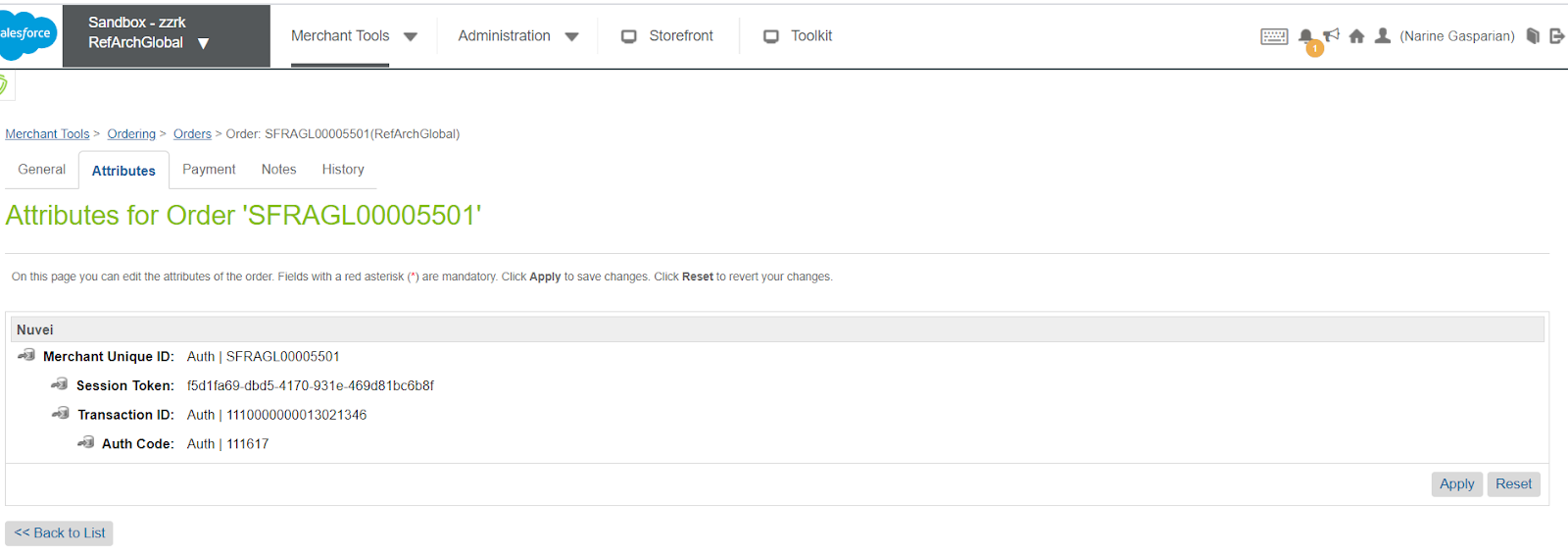
Use testing cards from the list proposed in [documentation](https://docs.safecharge.com/documentation/guides/testing/testing-cards/).

****

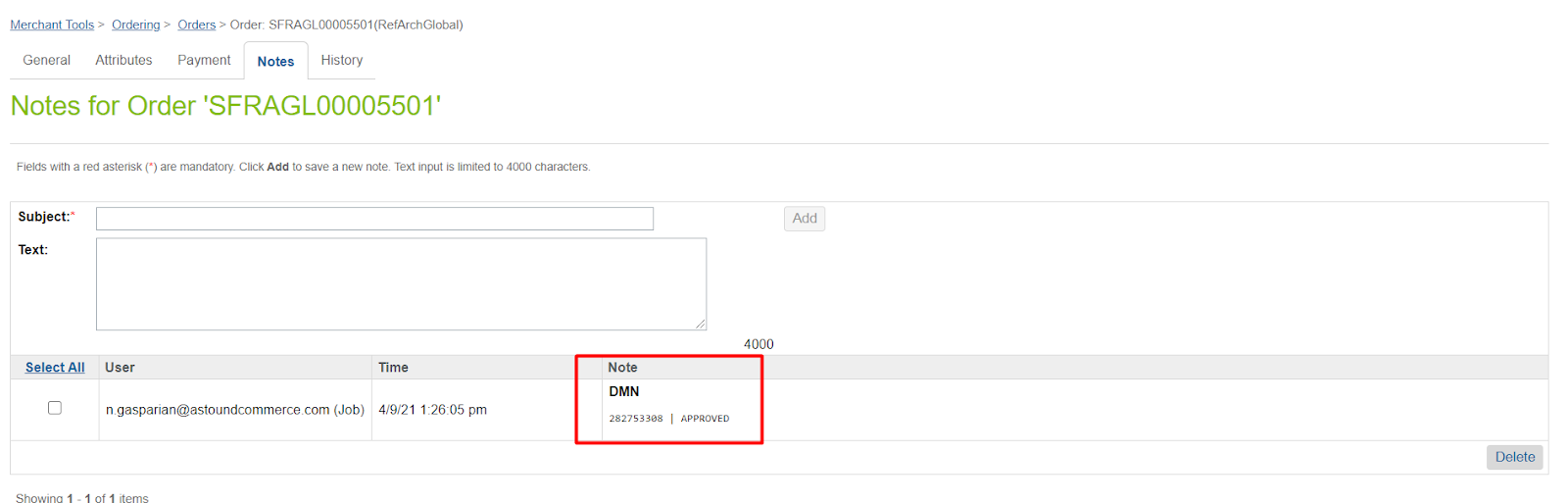
#### Thank you Page

****

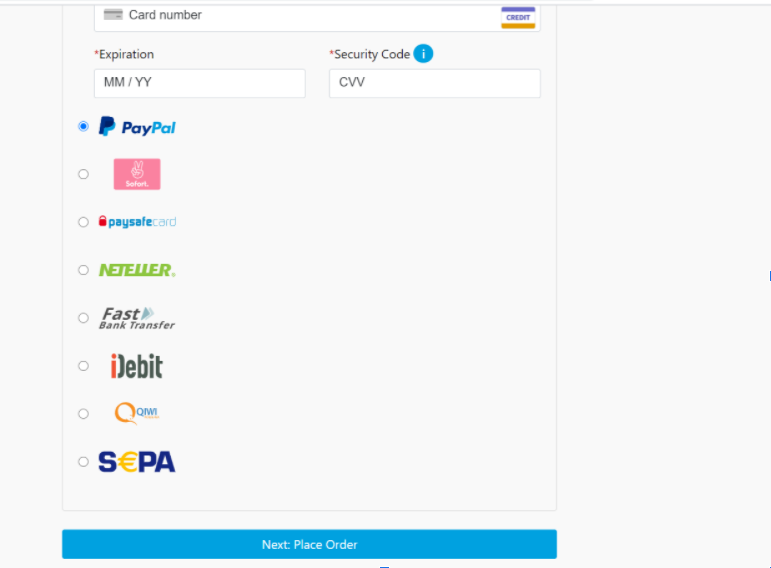
#### Order Attributes in BM

****

#### Direct Merchant Notification

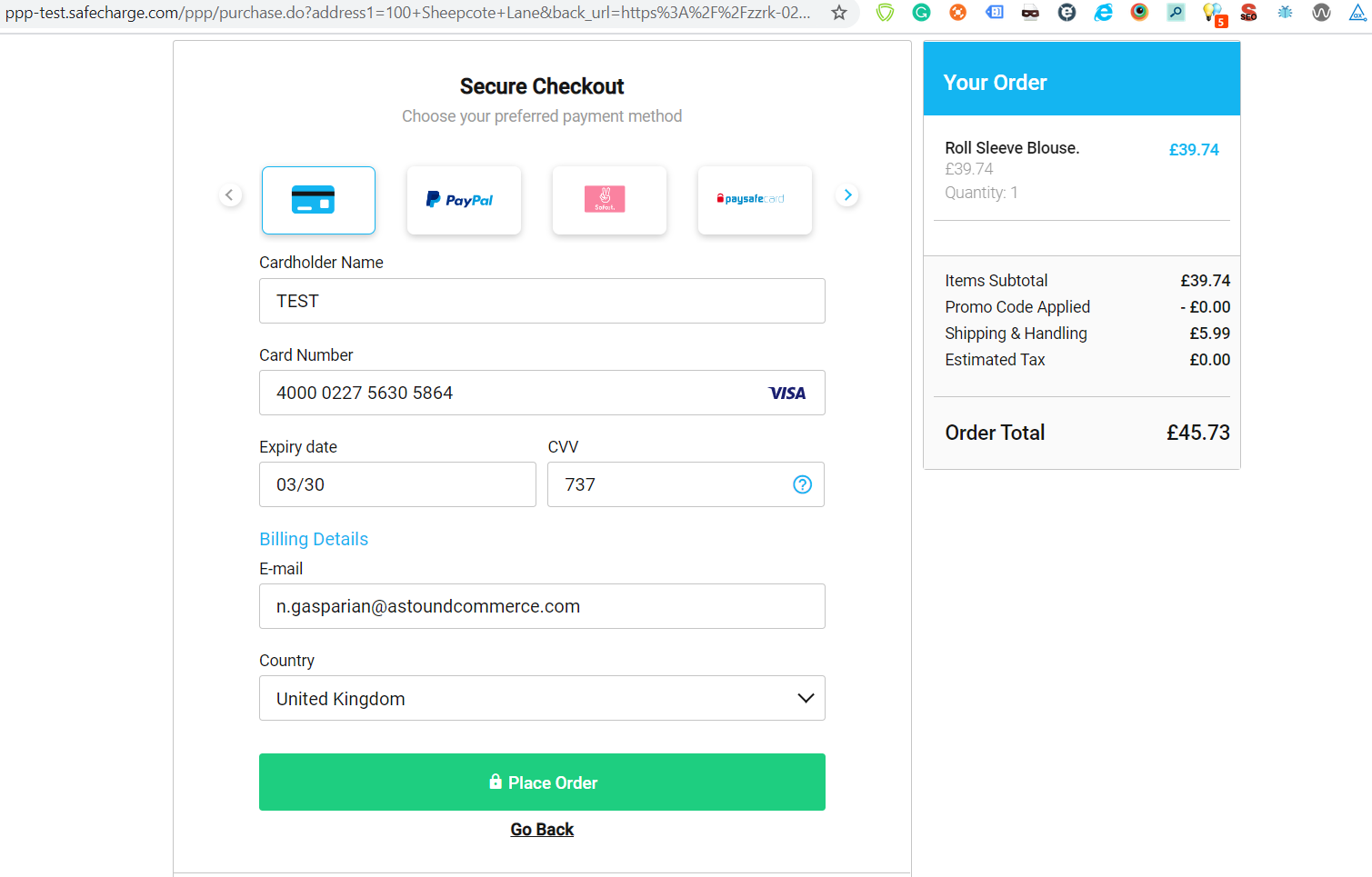
****

#### Direct mode: Alternative Payment Methods

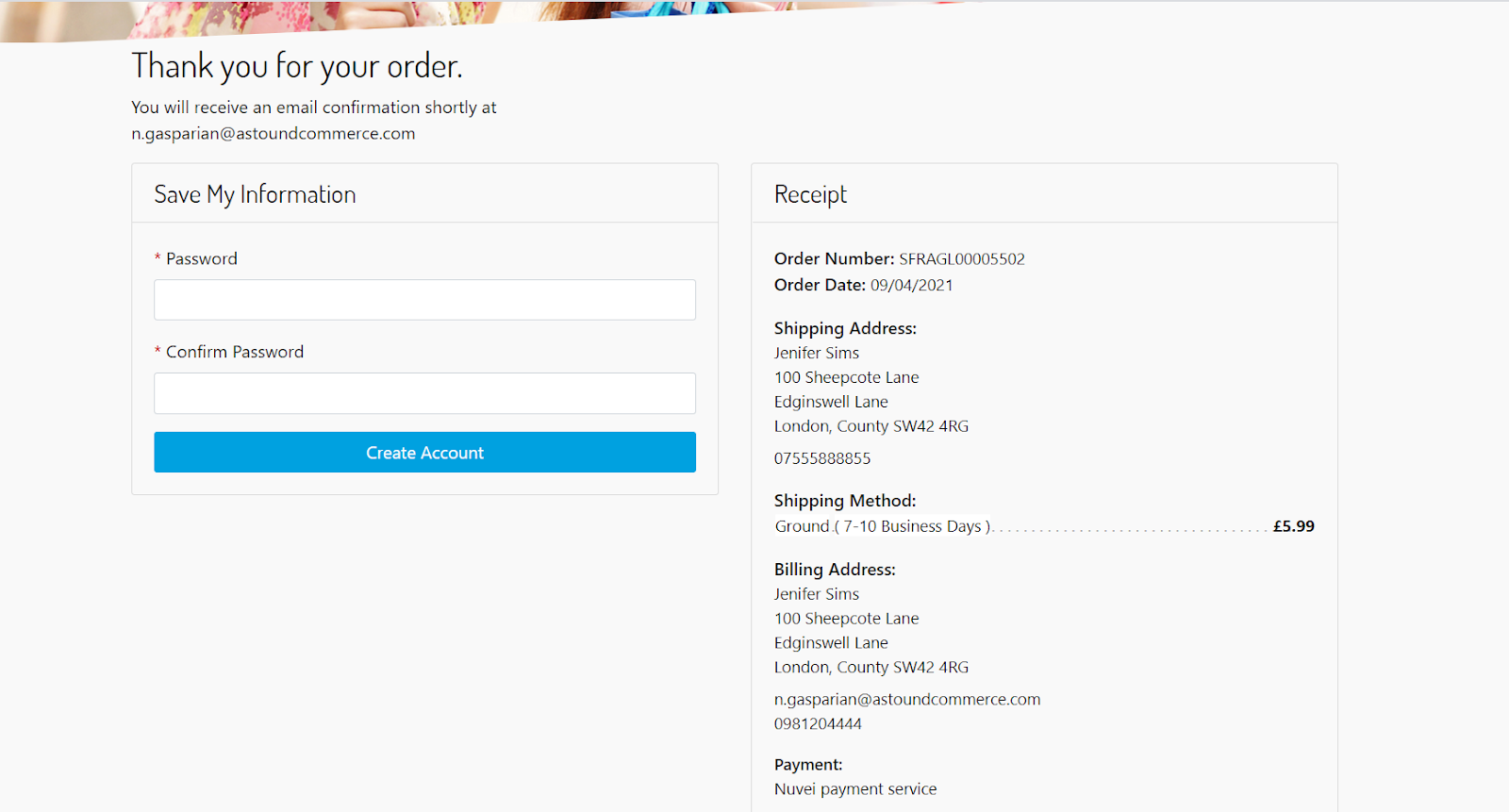
****

### Redirect Mode: Hosted Payment Page

#### Nuvei’s Hosted Payment Page

****

#### Thank you Page

****

# Operations, Maintenance

## Data Storage

Cartridge is using Custom Object “nuveiDirectMerchantNotification” to store incoming Direct Merchant Notification requests to be handled by **nuveiHandleNotifications Job**. Custom Object definition could be found in link-nuvei/metadata/site\_import/meta/custom-objecttype-definitions.xml

## Availability

The Nuvei platform is expected to be available 24/7. However, for the scenario when the platform is not available a custom error message is logged in SFCC. In case of any failure within the Nuvei API, contact Nuvei for support.

## Support

Please contact a Nuvei representative if you need support for this integration.

# Release History

|  |  |  |
| --- | --- | --- |
| **Version** | **Date** | **Changes** |
| 21.1.0 | 2021-04-13 | Initial release |