Nexi XPay Integration Guide
For salesforce commerce cloud

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Ver.: 1.3 Date: 06/12/2019 Author: Nexi Payments
Ver.: 1.4 Date: 17/01/2020 Author: Nexi Payments

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1 Prerequisites

- ❑ Salesforce B2C Commerce v19.10
- ❑ An implementation of a Site Genesis site

2 Install the cartridge

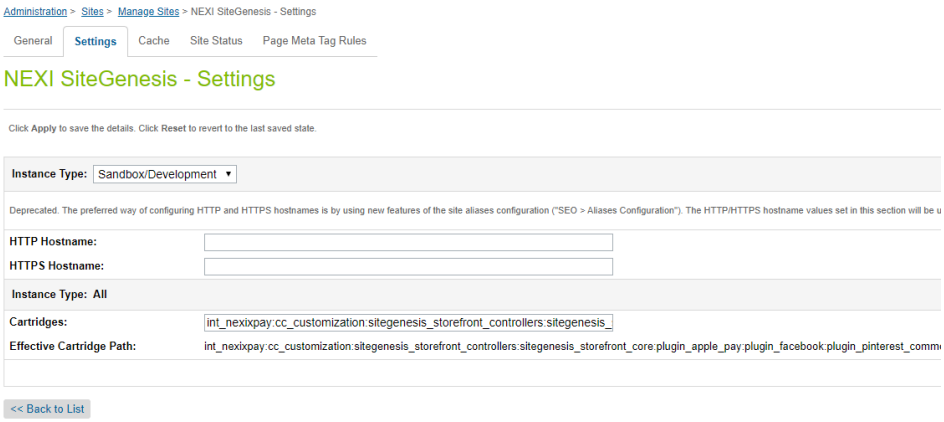
Nexi provides a LINK cartridge to integrate with Salesforce Commerce Cloud (SFCC). This cartridge enables the Nexi XPay payment service for store-fronts using the SiteGenesis JS-Controllers architecture (SGJC).

1. Open the provided NexiXPay.zip package
2. Extract the LINK-NexiXPay folder which contains two folders with the following cartridges:
   - int_nexixpay
   - bm_nexixpay
3. Upload int_nexixpay and bm_nexixpay cartridges using Commerce Cloud UX-studio.

3 Setup the cartridge

3.1 Set up the cartridge path

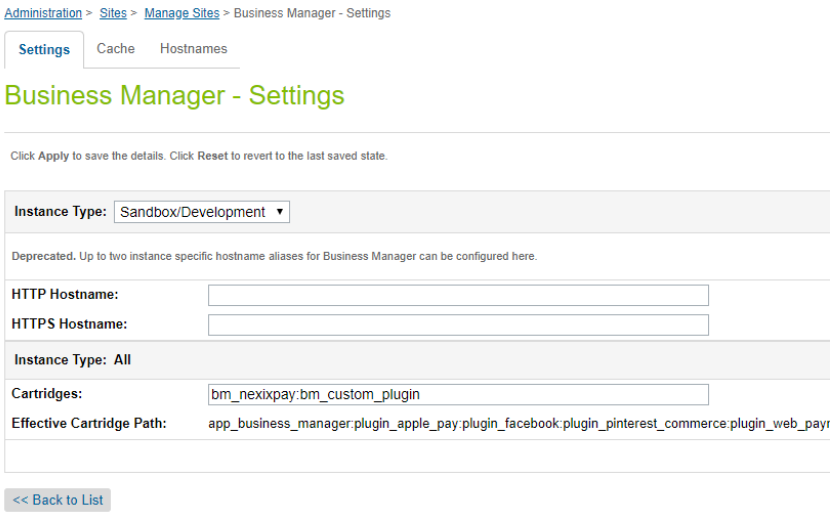
1. Select *Administration > Sites > Manage Sites*
2. Open the site where you like to install the cartridge and select Settings tab
3. Add int_nexixpay:cc_customization followed by a colon to the Cartridges textbox.
4. Click *Apply*.



Picture 3.1

3.2 Set up the Business Manager path

1. Select Administration > Sites > Manage Sites
2. Click on Manage
3. In the *Business Manager Site section,* click on *Manage the Business Manager site*.
4. Add bm_nexixpay followed by a colon to the cartridges textbox.
5. Click *Apply*.



Picture 3.2

4 Setup Roles and Permissions

The Nexi XPay cartridge is provided with various Business Manager modules to implement back-office functionalities. In order to grant permissions to a restricted set of users, you need to create a proper role and assign it to your back-office administrators.

4.1 Create a role

1. Select *Administration > Organization > Roles*
2. Click New to create a new role
3. For ID, enter a role name for your back-office users.
4. Click *Apply*.

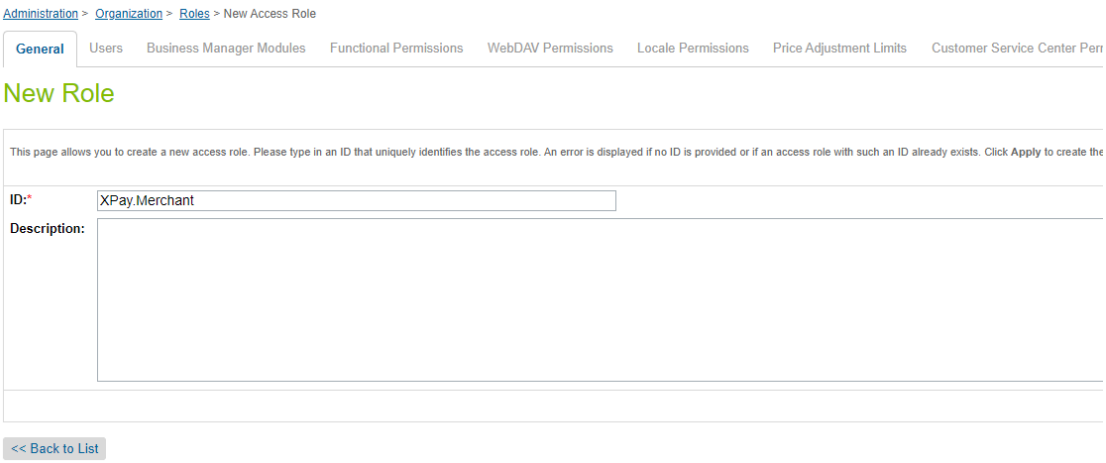


Figure 4.1

4.2 Assign users

1. Select *Administration > Organization > Roles*
2. Click on the role just created in the previous step.
3. Select the Users tab and click Assign.
4. Check your back-office users.
5. Click *Assign*.

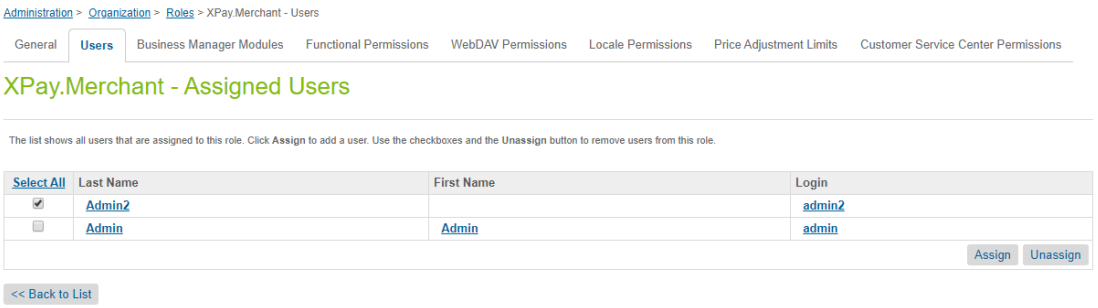


Figure 4.2

4.3 Grant permission to back office users

1. Select *Administration > Organization > Roles*
2. Click on the role just created in the previous step.
3. Select the **Business Manager Modules** tab and click Assign.
4. Click Select Context, select your site and click Apply.

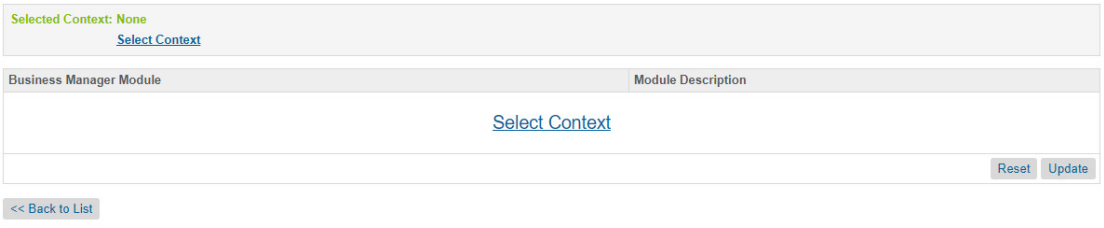


Figure 4.3

5. Check the following Nexi XPay modules:

under **Ordering** section:
- Nexi XPay Reimbursement
- Nexi XPay Capture
- Nexi XPay Reports
- NEXI PayMail Reports

under **Ordering** section:
- Reimbursement
- Capture
- Reports
- PayMail Reports

under Site Preferences section:
- Nexi XPay Merchant Profile

NEXI XPay Reimbursement	Click here to start a reimbursement		☑
NEXI XPay Capture	Click here to start a capture (only available if deferred accounting is enabled)		☑
NEXI XPay Reports	Click here to search for backoffice reports		☑
NEXI PayMail Reports	Click here to search for backoffice reports		☑

Figure 4.4

Nexi XPay			☑
Reimbursement	Click here to start a reimbursement		☑
Capture	Click here to start a capture (only available if deferred accounting is enabled)		☑
Reports	Click here to search for backoffice reports		☑
PayMail Reports	Click here to search for backoffice paymail reports		☑
Recurring Pay Tester	Click here to test recurring payments		☑

Figure 4.5

6. Click *Update*.

4.4 Grant permission to admin users

The Nexi XPay modules are not granted by default to the administrators of the Commerce Cloud instance. To grant access to the administrators, you need to manually edit the administrator role and apply the same changes applied to back-office users.
To do that just repeat the previous steps, selecting the Administrator role instead of your back-office role.

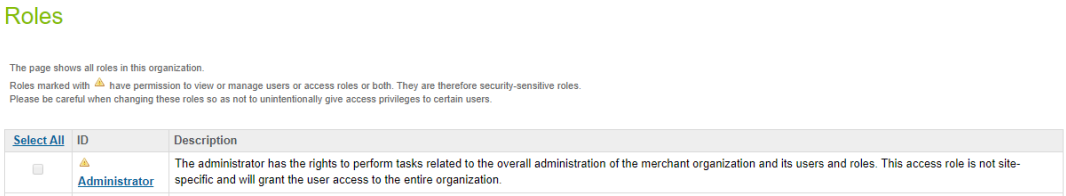


Figure 4.6

5 Setting Permissions for Customer Service Center

To allow your back-office users to create new orders using Customer Service Center, they must have the necessary permissions.

To grant proper permissions to Customer Service users follow these steps:
1. Select *Administration* > *Organization* > *Roles*
2. Click on the role which your back-office users are assigned.
3. Select the **Business Manager Modules** tab and click Assign.
4. Click Select Context, select your site and click *Apply*.

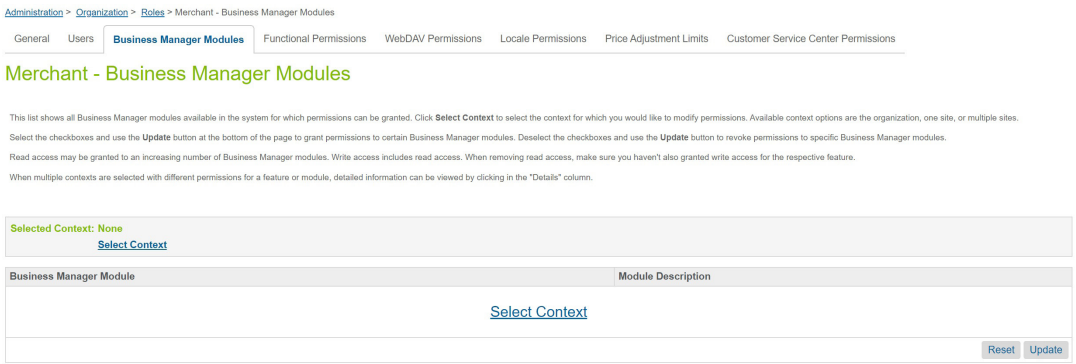


Figure 5.1

5. Enable the following permissions:
   - Orders
   - Customer Service Center
6. Click the *Functional Permissions tab*.
7. Select your site.
8. Enable the following permissions:
   - Adjust_Item_Price
   - Adjust_Shipping_Price
   - Adjust_Order_Price
   - Delete_Order_Note
   - Create_Order_On_Behalf_Of
   - Search_Orders
9. Click the Locale Permissions tab.
10. Check locales to enable them, uncheck to disable them for this role.
11. Click *Apply*.

6 Import metadata

1. Select Administration > Site Development > Import & Export
2. In the Import & Export Files section, click *Upload* and select the provided file:

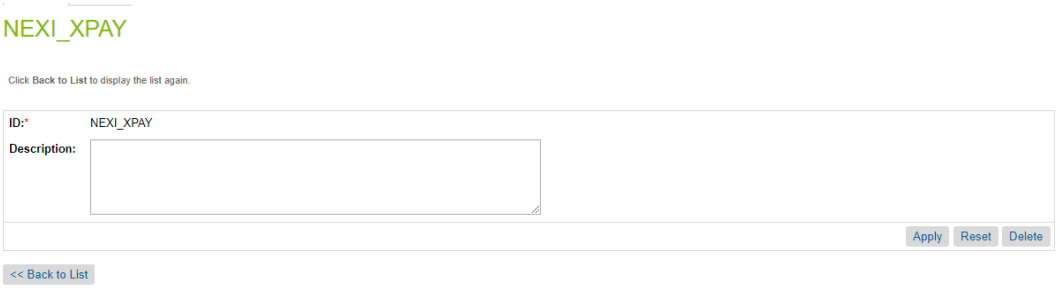
   Custom_Attributes.xml

3. In *Meta Data* section, click *Import* and select the file uploaded in the previous step

7 Setup payment methods

7.1 Create payment processor

1. *Select Merchant Tools > Ordering > Payment Processors*
2. Click New to create a new payment processor with name: NEXI-XPAY
3. Click *Apply*.



Picture 7.1

7.2 Import payment method

1. Select *Merchant Tools > Ordering > Import & Export*
2. In the *Import & Export Files section,* click Upload and select the provided file:

   payment-methods.xml

3. In *Payment Methods* section, click Import and select the file uploaded in the previous step.
4. Click Next to complete step 1 and step 2 of the import process.
5. On step 3, select MERGE for import mode.
6. Click *Import*.

8 Web Services

8.1 Import service metadata

1. Select *Administration > Operations > Import & Export*
2. In the *Import & Export Files section, click Upload* and select the provided file:

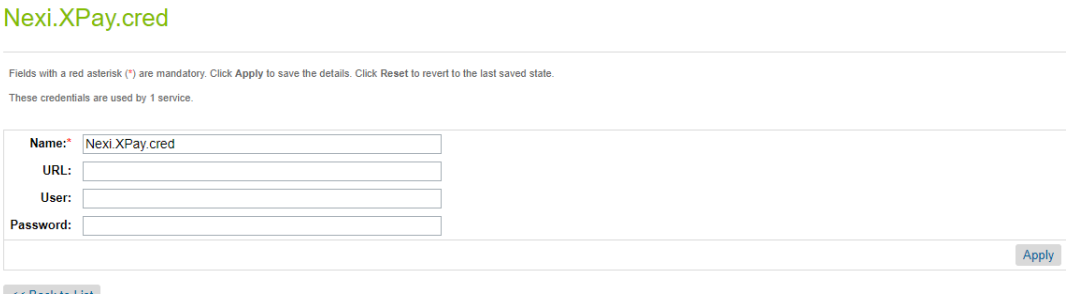
   NexiXPay_Service.xml

3. In *Services* section, click *Import* and select the file uploaded in the previous step.
4. Click *Next* to complete step 1 and step 2 of the import process.
5. On step 3, select MERGE for import mode.
6. Click *Import*.

8.2 Setup service settings

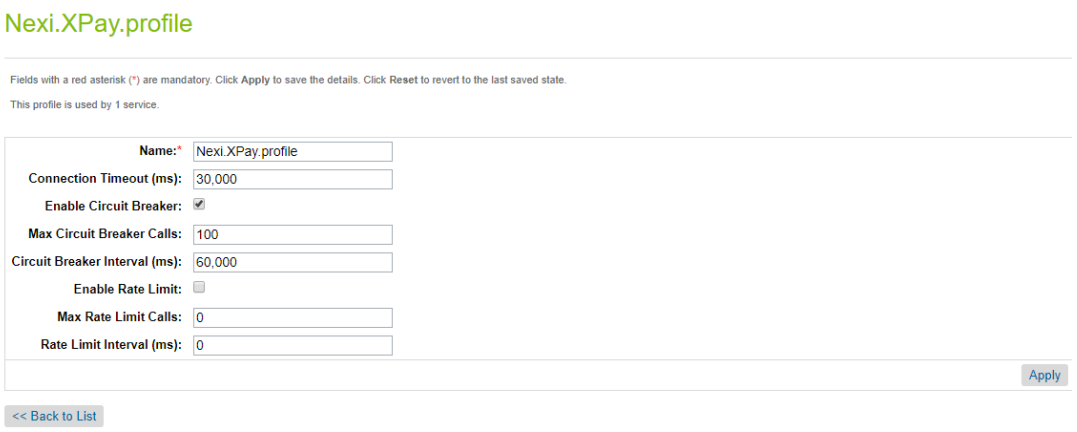
Once you have successfully imported the services metadata, you need to configure endpoint and credentials about the **Nexi.XPay.restservice.**

1. Select *Administration > Operations > Services*
2. Click **Nexi.XPay.cred** to edit the credentials about XPay services.
3. For **URL**, enter the end point of the api services provided by Nexi.
4. For **User** and **Password**, enter the credentials assigned to the merchant by Nexi.
5. Click *Apply*.



Picture 7.1

If needed, you can also edit the **Nexi.XPay.profile** to adjust the timeout time and rate limit parameters. The default connection timeout is set to 30ms.



Picture 7.2

9 Log Settings

1. Select *Administration > Operations > Custom Log Settings*
2. Create the following Custom Log Filters:

nexi.xpay.bm
nexi.xpay.int

3. Set a debug level (WARN for Production and DEBUG for Development/Testing)

10 Setup site preferences

The funtionalities provided by XPay integration cartridge can be customized by several custom site preferences.

Preference name	Values	Description
XPAY_DEF_LANGUAGE	• ITA • ENG • SPA • FRA • GER • JPN • CHI • ARA • RUS • POR	Language code as defined in this language Id table

XPAY_CURRENCY	EUR	Currency code (978 is Euro currency)
XPAY_ENVIRONMENT	• for dev environment: INTEG • for production environment: PROD	Implementation environment
XPAY_TCONTAB	• C • D	The field identifies the collection method that the merchant wants to apply to the single transaction, if valued with: • C (immediate) the transaction if authorized is also collected without further intervention by the operator and without considering the default profile set on the terminal. • D (deferred) or the field is not entered the transaction if authorized is managed according to what is defined by the terminal profile. See TCONTAB parameter at Nexi documentation site: https://ecommerce.nexi.it/specifiche-tecniche/build/pagamento.html
XPAY_API_KEY		Merchant profile identification code (fixed value communicated by Nexi during the activation phase).
XPAY_BUILD_JS_URL_PREFIX	• for dev environment: https://int-ecommerce.nexi.it/ecomm/XPayBuild/js?alias= • for production environment: https://ecommerce.nexi.it/ecomm/XPayBuild/js?alias=	Url base address of Nexi services
XPAY_PAYMODE	• XPayBuild • EasyPayment • OneClick	Current payment method selected.
XPAY_TERM_WEB_ALIAS	Ex. ALIAS_WEB_00018210	Alias Provided by Nexi - Information for first terminal
XPAY_TERM_WEB_SECRETKEY	Ex. L0CH7SWIRMO1A5L3VI13W...	Key for Mac Provided by Nexi - Information for first terminal
XPAY_TERM_WEB_GROUP	Ex. GRP_33912	Group Provided by Nexi - Information for first terminal
XPAY_TERM_RICO_ALIAS	Ex. ALIAS_RICO_00018212	Alias Provided by Nexi - Information for second terminal
XPAY_TERM_RICO_SECRETKEY	Ex. L0CH7SWIRMO2A5L3VI13W...	Key for Mac Provided by Nexi - Information for second terminal
XPAY_TERM_RICO_GROUP	Ex. GRP_33912	Group Provided by Nexi - Information for second terminal
XPAY_S2S_ENABLED	• Yes • No	Enable selected for server to server mode of payment confirmation

The parameters that should be provided by Nexi are highlighted in yellow.
To modify the preferences of your site follow these steps:

1. Select *Merchant Tools > Site Preferences*
2. Open the Nexi.XPay preference group.
3. Edit the preferences.
4. Click *Save*.

Name	Value
XPAY_DEF_LANGUAGE	ITA XPay Default Language
XPAY_CURRENCY	 XPay Currency
XPAY_ENVIRONMENT	INTEG (INTEG) Implementation environment
XPAY_TCONTAB	deferred (D) The field identifies the collection method that the merchant wants to apply ...
XPAY_API_KEY	ALIAS_WEB_00019302 Merchant profile identification code (fixed value communicated by Nexi duri...
XPAY_BUILD_JS_URL_PREFIX	https://int-ecommerce.nexi.it/ecomm/XPayBuild/js?alias=
XPAY_PAYMODE	OneClick (OneClick) Payment Mode
XPAY_TERM_WEB_ALIAS	ALIAS_WEB_00019302 Merchant profile identification code (fixed value communicated by Nexi duri...
XPAY_TERM_WEB_SECRETKEY	79PXRL1UXJ0CX5I7TFDFHMYRB4ZCPSEM Secret key for calculating MACs (fixed value communicated by Nexi during t...
XPAY_TERM_WEB_GROUP	GRP_36472 Group code assigned by Nexi during activation
XPAY_TERM_RICO_ALIAS	ALIAS_RICO_00019303 Merchant profile identification code (fixed value communicated by Nexi duri...
XPAY_TERM_RICO_SECRETKEY	79TNVIGFBSWMTWIOZ79RW28CUSSZDLCW Secret key for calculating MACs (fixed value communicated by Nexi during t...
XPAY_TERM_RICO_GROUP	GRP_36472 Group code assigned by Nexi during activation.
XPAY_S2S_ENABLED	Yes Enable/disable the server to server notification to handle the payments proc...

Picture 10.1

11 Update Merchant Profile

Some features of the cartridge rely on data stored in the *Merchant Profile Info custom* preference. The profile is specific for any merchant and is provided by an api provided by Nexi.
The first time you install the Nexi cartridge, there is no profile available, so you must manually updated it.
In order to refresh the Merchant Profile just follow these steps:

1. Select *Merchant Tools > Site Preferences > Nexi XPay Merchant Profile*
2. Click *Update*.

Update

Url	Code	Description	Image
https://ecommerce.nexi.it/ecomm/payment/img/maestro.svg	MAESTRO	Maestro	
https://ecommerce.nexi.it/ecomm/payment/img/mastercard.svg	MASTERCARD	Mastercard	
https://ecommerce.nexi.it/ecomm/payment/img/visa.svg	VISA	Visa	

Figure 11.1

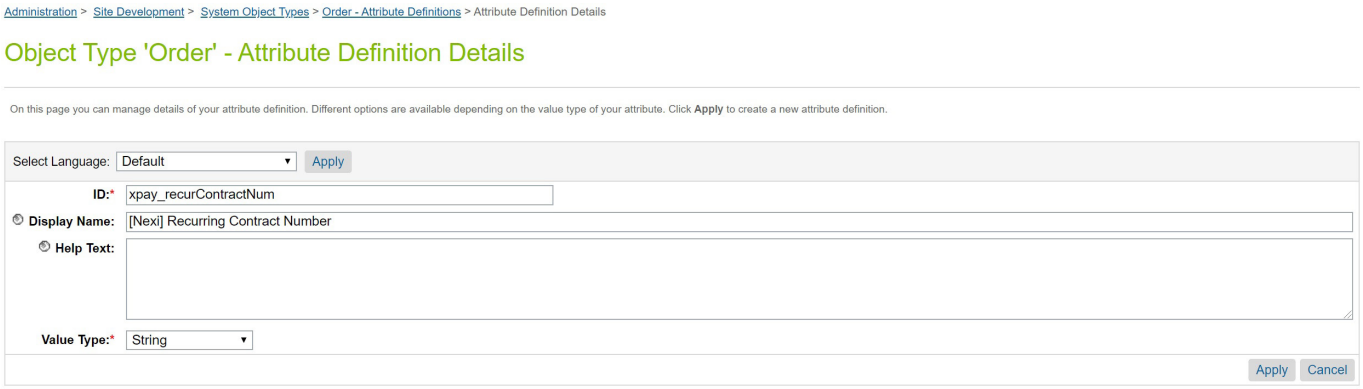
12 Recurring Payment integration

Commerce Cloud does not support recurring payment / subscription solutions built-in as standard feature.
For this reason, it's not possible to offer a ready to go implementation as any merchant can implement a different use case of recurring payments. In order to provide the widest range of custom integrations, the Nexi XPay cartridge expose an API to execute recurring payments compliant with Nexi XPay specifications.
Nevertheless, the XPay package is provided with a demo business manager extension to simulate recurring payments.

In the following steps we describe how to setup a possible site customization using the recurring payment api.

12.1 Data model changes

1. *Select Administration > Site Development > System Object Types*
2. *Open Order and click* on *Attribute Definitions tab*
3. Create a new custom attribute as follows:
   ID: xpay_recurContractNum
   Display Name: [Nexi] Recurring Contract Number
   Value Type: String
4. Click *Apply.*



12.2 Template changes

cc_customization/cartridge/templates/default/checkout/summary/xpay_recurpay.isml

The xpay_recurpay.isml template contains the main code required to integrate the recurring payment option to Easy Payment and XPay Build payment methods into your checkout page.

Extract the following file from the provided package:
LINK-SiteGenesis-NexiXPay/cc_customization/cartridge/templates/default/checkout/ summary/xpay_recurpay.isml
to your site implementation folder:
<yoursite>/cartridge/templates/default/checkout/summary/xpay_recurpay.isml

templates/default/checkout/summary/summary.isml

Recurring Easy Payment
To add recurring option to Easy Payment method, add the highlighted lines of code to the summary.isml file as follows:

```
<iscomment>
   Start XPay EASY PAYMENT
</iscomment>
<iselseif condition="${(XPayUtils.XPAY_PAYMODE === XPayUtils.PM_EASY_PAYMENT) ||
              (XPayUtils.XPAY_PAYMODE === XPayUtils.PM_ONECLICK && empty(customer.profile))}" />
   <div class="order-summary-footer">
      <div class="place-order-totals">
         <isordertotals p_lineitemctnr="${pdict.Basket}" p_showshipmentinfo="${false}" p_shipmenteditable="${false}" p_totallabel="${Resource.msg('summary.
ordertotal','checkout',null)}"/>
      </div>
      <form action="${URLUtils.https('XPayOrderMng-CreateOrder')}" method="post" id="form-xpay-easypay" class="submit-order">
         <fieldset>
            <div class="form-row">
               <a class="back-to-cart" href="${URLUtils.url('Cart-Show')}">
                  <isprint value="${Resource.msg('summary.editcart','checkout',null)}" encoding="off" />
               </a>
               <iscomment>XPay Recurring Payment</iscomment>
               <isinclude template="/checkout/summary/xpay_recurpay" />
```

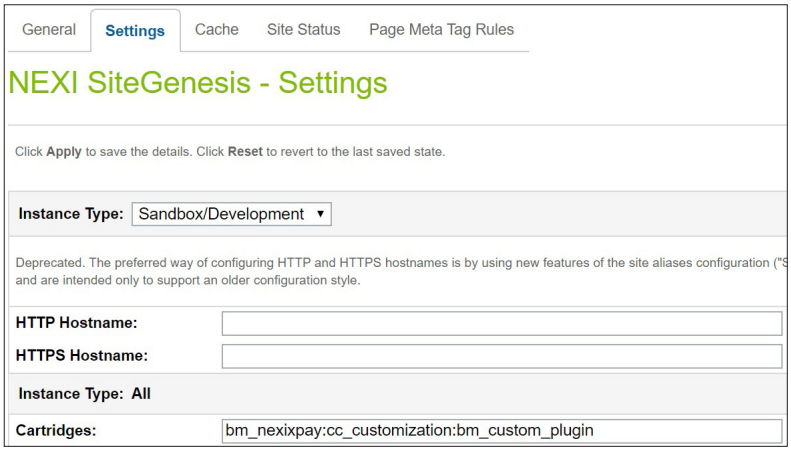
```
            <isinclude template="/checkout/summary/xpay_easypay" />
        </div>
    </fieldset>
  </form>
</div>
```

Recurring XPay Build payment
To add recurring option to XPay Build method, add the highlighted lines of code to the summary.isml file as follows:

```
<iscomment>
        Start XPay BUILD
</iscomment>
<isif condition="${XPayUtils.XPAY_PAYMODE === XPayUtils.PM_XPAY_BUILD}">

        <div class="order-summary-footer">
                <div class="place-order-totals">
                        <isordertotals p_lineitemctnr="${pdict.Basket}" p_showshipmentinfo="${false}" p_shipmenteditable="${false}" p_
totallabel="${Resource.msg('summary.ordertotal','checkout',null)}"/>
                </div>
                <form action="${URLUtils.https('COSummary-Submit')}" method="post" class="submit-order">
                        <fieldset>
                                <iscomment>XPay Recurring Payment</iscomment>
                                <isinclude template="/checkout/summary/xpay_recurpay" />

                                <isinclude template="/checkout/billing/xpay_build" />
                                <div class="form-row">
                                        <a class="back-to-cart" href="${URLUtils.url('Cart-Show')}">
                                                <isprint value="${Resource.msg('summary.editcart','checkout',null)}" encoding="off" />
                                        </a>
                                        <button id="xpay-build-orderbtn"
                                                        class="button-fancy-large" disabled="disabled"
                                                        type="submit" name="submitBtn"
                                                        value="${Resource.msg('global.submitorder','locale',null)}">
                                                ${Resource.msg('global.submitorder','locale',null)}
                                        </button>
                                </div>
                                <input type="hidden" name="${dw.web.CSRFProtection.getTokenName()}" value="${dw.web.CSRFProtection.ge-
nerateToken()}"/>

                        </fieldset>
                </form>
        </div>
```

12.3 Setup business manager extension

1. *Select Administration > Sites > Manage Sites*
2. Click on *Manage*
3. In the *Business Manager Site* section, click on *Manage the Business Manager site*.
4. Add cc_customization followed by a colon to the cartridges textbox.
5. Click *Apply*.

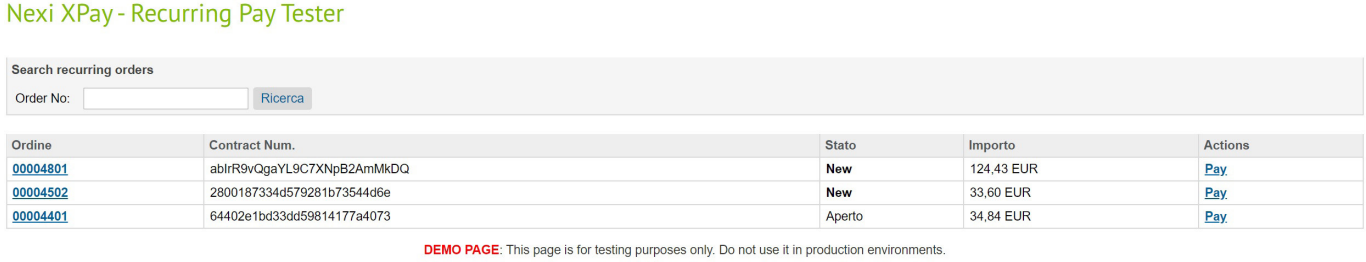


cc_customization/cartridge/bm_extensions.xml

Extract the following file from the provided package:
LINK-SiteGenesis-NexiXPay/cc_customization/cartridge/bm_extensions.xml
to your site implementation folder:
<yoursite>/cartridge/bm_extensions.xml

This business manager extension enables the "Recurring Pay Tester" page where the back-office users can search for recurring orders and manually perform subsequent recurring payment after a first payment. This page is provided to simulate and test subsequent payments and to demonstrate the use of the api to execute a recurring payment.
Please note that this demo page is not is intended to be used in production environments.

Recurring orders can be created by customers from the front-end site by checking the Recurring Order checkbox at the billing page.



The Nexi XPay cartridge expose the following apis to perform recurring payments:

- XPayRecurPay.execRecurPay(order : dw.order.Order) : Object
  Helper method to execute a subsequent payment on an recurring order.

- RecurPaySvc.subseqPay(jsonRequest : Object) : Result
  Low level api to call the Nexi XPay web service *"ecomm/api/recurring/pagamentoRicorrente"* to perform a subsequent payment after a first recurring payment; see the complete specs at:
  https://ecommerce.nexi.it/specifiche-tecniche/pagamentoricorrente/pagamentisuccessivi.html

Example:

```
try {
   var XPayRecurPay = require("~/../int_nexixpay/cartridge/scripts/util/XPayRecurPay");
   var order = OrderMgr.getOrder(request.httpParameterMap.orderNum.value);

   if(empty(order.custom.xpay_recurContractNum)) throw {
      errorMessage : 'Missing recurring contract number'
   }

   var result = XPayRecurPay.execRecurPay(order);

   var jsonReq = result.jsonRequest;
   var jsonRes = result.jsonResponse;

}
catch(ex) {
   logger.error('Exception: '+ex);
}
```

12.4 Grant permission to back office users

1. Select *Administration > Organization > Roles*
2. Click on the role which your back-office users are assigned.
3. Select the **Business Manager Modules** tab and click Assign.
4. Click Select Context, select your site and click Apply.

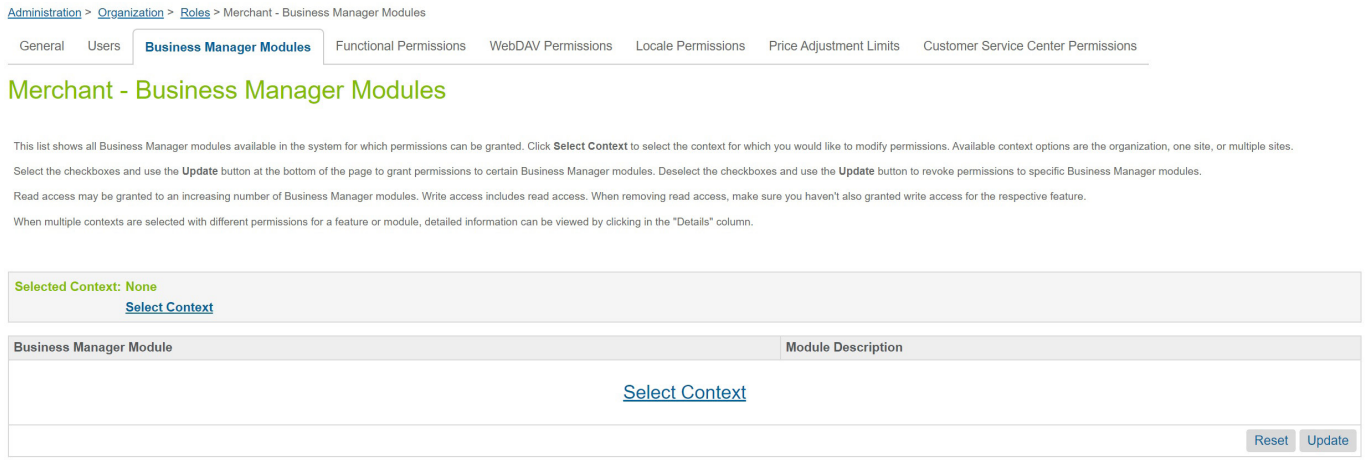


Figure 12.1

5. Under **Nexi XPAY** section, check "*Recurring Pay Tester*"

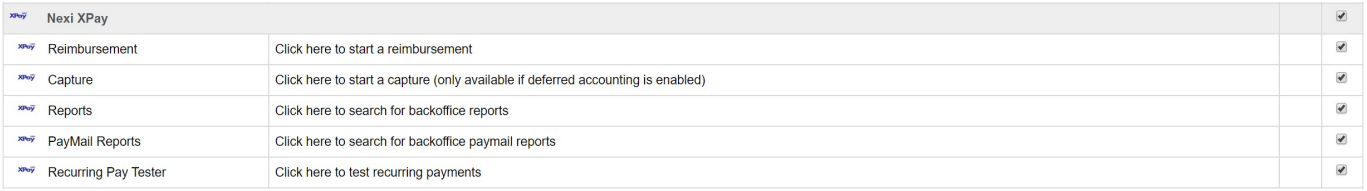


Figure 12.2

6. Click *Update*.

13 SiteGenesis code changes

A sample of a site customizzation is provided in the following folder of the provided package:

LINK-SiteGenesis-NexiXPay\cc_customization

This sample shows a working integration assuming Nexi XPay as the only payment processor available.

The Nexi XPay cartridge provide integrations with the following payment methods:

- XPay Build
- Easy Payment
- One Click

The XPAY_PAYMODE preference must be set to the payment method that you want to integrate in your site.
Then, to integrate XPay features to your Site Genesis implementation, you need to add custom code to change the default behaviour of the standard storefront core code. Once you have set the payment mode preference, apply the custom code modifications according to the payment selected.

13.1 Remove default payment methods

templates/default/checkout/billing/paymentmethods.isml

Extract the following file from the provided package:
LINK-SiteGenesis-NexiXPay/cc_customization/cartridge/templates/default/checkout/billing/paymentmethods.isml
to your site implementation folder:
<yoursite>/cartridge/templates/default/checkout/billing/paymentmethods.isml

Remove the default payment options included between the <fieldset> and leave only the commented code as shown here:

```
<isif condition="${pdict.OrderTotal > 0}">
  <fieldset>
    <iscomment>---- BEGIN CUSTOM CODE ----</iscomment>
    <iscomment>
      No payment options configured for this demo.
    </iscomment>
    <iscomment>---- END CUSTOM CODE ----</iscomment>
  </fieldset>
```

13.2 XPay Build integration

13.2.1 Template changes

templates/default/checkout/billing/xpay_build.isml

The xpay_build.isml template contains the main code required to integrate the XPay Build payment method into your checkout page.

Extract the following file from the provided package:
LINK-SiteGenesis-NexiXPay/cc_customization/cartridge/templates/default/checkout/billing/xpay_build.isml
to your site implementation folder:
<yoursite>/cartridge/templates/default/checkout/billing/xpay_build.isml

templates/default/checkout/summary/summary.isml

After this standard block of code:

```
<isslot id="placeorder-slot" description="Slot next to Order Totals in the footer of the Place Order page." context="global"/>
```

modify the summary.isml adding a custom block of code as follows:

```
< isslot id="placeorder-slot" description="Slot next to Order Totals in the footer of the Place Order page." context="global"/>


<iscomment>---- BEGIN CUSTOM CODE ----</iscomment>

<isscript>
   var XPayUtils = require("*/cartridge/scripts/util/XPayUtils");
</isscript>

<iscomment>---- BEGIN XPay BUILD ----</iscomment>
<isif condition="${XPayUtils.XPAY_PAYMODE === XPayUtils.PM_XPAY_BUILD}">

   <div class="order-summary-footer">
     <div class="place-order-totals">
      <isordertotals p_lineitemctnr="${pdict.Basket}" p_showshipmentinfo="${false}" p_shipmenteditable="${false}" p_totallabel="${Resource.msg('summary.
ordertotal','checkout',null)}"/>
     </div>
     <form action="${URLUtils.https('COSummary-Submit')}" method="post" class="submit-order">
       <fieldset>
         <iscomment>XPay Recurring Payment</iscomment>
         <isinclude template="/checkout/summary/xpay_recurpay" />

         <isinclude template="/checkout/billing/xpay_build" />
         <div class="form-row">
           <a class="back-to-cart" href="${URLUtils.url('Cart-Show')}">
             <isprint value="${Resource.msg('summary.editcart','checkout',null)}" encoding="off" />
           </a>
           <button id="xpay-build-orderbtn"
                class="button-fancy-large" disabled="disabled"
                type="submit" name="submitBtn"
                value="${Resource.msg('global.submitorder','locale',null)}">
             ${Resource.msg('global.submitorder','locale',null)}
           </button>
         </div>
         <input type="hidden" name="${dw.web.CSRFProtection.getTokenName()}" value="${dw.web.CSRFProtection.generateToken()}"/>

       </fieldset>
     </form>
   </div>
<iscomment>---- END  XPay BUILD ----</iscomment>


<iscomment>---- BEGIN Default Payment of Site Genesis ----</iscomment>
<iselse/>
   <div class="order-summary-footer">
     <div class="place-order-totals">
      <isordertotals p_lineitemctnr="${pdict.Basket}" p_showshipmentinfo="${false}" p_shipmenteditable="${false}" p_totallabel="${Resource.msg('summary.
ordertotal','checkout',null)}"/>
     </div>
```

```
    <form action="${URLUtils.https('COSummary-Submit')}" method="post" class="submit-order">
      <fieldset>
        <div class="form-row">
          <a class="back-to-cart" href="${URLUtils.url('Cart-Show')}">
            <isprint value="${Resource.msg('summary.editcart','checkout',null)}" encoding="off" />
          </a>
          <button class="button-fancy-large" type="submit" name="submit" value="${Resource.msg('global.submitorder','locale',null)}">
            ${Resource.msg('global.submitorder','locale',null)}
          </button>
        </div>
        <input type="hidden" name="${dw.web.CSRFProtection.getTokenName()}" value="${dw.web.CSRFProtection.generateToken()}"/>
      </fieldset>
    </form>
  </div>
</isif>
<iscomment>---- END Default Payment of Site Genesis ----</iscomment>

<iscomment>---- END CUSTOM CODE ----</iscomment>

</isdecorate>
```

/templates/default/billing.xml

Extract the following file from the provided package:
LINK-SiteGenesis-NexiXPay/cc_customization/cartridge/templates/default/billing.xml
to your site implementation folder:
<yoursite>/cartridge/templates/default/billing.xml

Edit billing.xml and set Nexi XPay as the default payment method:

```
<group formid="paymentMethods">
 <!--  set NEXI_XPAY as default-value -->
 <field formid="selectedPaymentMethodID" type="string" default-value="NEXI_XPAY">
    <options optionid-binding="ID" value-binding="ID" label-binding="name"/>
 </field>
```

13.2.2 Html elements

As documented by Nexi in the XPay Build developer page, the XPay html elements are hosted into some specific containers.

Figure 13.1

```
<div id="xpay-card-panel">
  <iscomment>an empty div with a unique id within the form;
        allow the SDK to create an item hosted on XPay,
        for the secure collection of card data</iscomment>
  <div id="xpay-card"></div>
</div>
```

The xpay-card-panel div is an outer container to host the main card html area.
The xpay-card div is the main container where the iframe provided by Nexi shows the form for entering the credit card data.

```
<div id="xpay-card-errors"></div>
```

The xpay-card-errors div is a container that is populated with error messages when some card fields are entered incorrectly.

```
<div id='xpay-buttons'></div>
```

The xpay-buttons div is a container for buttons related to additional payment methods privided by Nexi. The current version of the cartridge supports only XPay Build, so this contaner shold be considered empty.

13.2.3 Automatic form submission

By default, when returning from the card verification triggered by the Send Order button, if the card is succefully validated, the form is automatically submited to finalize the payment order.

To disable the auto-submit feature, remove or comment the lines of code in xpay-build.isml as shown here:

```
if (response.esito && response.esito === "OK") {
  document.getElementsByName("${session.forms.billing.paymentMethods.xpay.xpayNonce.htmlName}")[0].setAttribute("value", response.xpayNonce);
  document.getElementsByName("${session.forms.billing.paymentMethods.xpay.xpayIdOperazione.htmlName}")[0].setAttribute("value", response.idOperazione);
      document.getElementsByName("${session.forms.billing.paymentMethods.xpay.xpayTimeStamp.htmlName}")[0].setAttribute("value",  response.timeStamp);
  document.getElementsByName("${session.forms.billing.paymentMethods.xpay.xpayEsito.htmlName}")[0].setAttribute("value", response.esito);
  document.getElementsByName("${session.forms.billing.paymentMethods.xpay.xpayMac.htmlName}")[0].setAttribute("value", response.mac);
      document.getElementsByName("${session.forms.billing.paymentMethods.xpay.xpayCodiceTransazione.htmlName}")[0].setAttribute("value",  codiceTransazione);
  document.getElementsByName("${session.forms.billing.paymentMethods.xpay.xpayImporto.htmlName}")[0].setAttribute("value", importo);
  XPay.$messages.removeClass("xpay-hidden");
  $("#xpay-card-panel").hide();

  // BEGIN - remove this to disable auto-submit
  // Auto-submit form
  $(".submit-order").submit();   // auto submit
  // END   - remove this to disable auto-submit

} else {
```

13.2.4 Javascript events

The XPay Build integration can also be controlled by handling the following javascript events:

- load
  This is the standard page load event used to initialize the XPay object after the Checkout page load has completed.

  Example:
  ```
  window.addEventListener('load', function () {
    // ...
          XPay.init();
          // ...
  };
  ```

- XPay_Ready
  Event triggered when the XPay iframe loading has completed.

  Example:
  ```
  window.addEventListener("XPay_Card_Error", function (event) {
    //handle this
  };
  ```

- XPay_Card_Error
  Event triggered when a validation error occurs when entering data in the credit card form.

  Example:
  ```
  window.addEventListener("XPay_Ready", function (event) {
    if(event.detail == 'card') {
      //handle this
    }
  });
  ```

13.3 Easy Payment integration

13.3.1 Template changes

templates/default/checkout/summary/xpay_easypay.isml

The xpay_easypay.isml template contains the main code required to integrate the XPay Easy payment method into your checkout page.

Extract the following file from the provided package:
LINK-SiteGenesis-NexiXPay/cc_customization/cartridge/templates/default/checkout/ summary/xpay_easypay.isml
to your site implementation folder:
<yoursite>/cartridge/templates/default/checkout/summary/xpay_easypay.isml

templates/default/checkout/summary/summary.isml

After the XPay Build custom code, modify the summary.isml adding the Ease Payment custom code, as follows:

```
<isslot id="placeorder-slot" description="Slot next to Order Totals in the footer of the Place Order page." context="global"/>


<iscomment>---- BEGIN CUSTOM CODE ----</iscomment>

<isscript>
  var XPayUtils = require("*/cartridge/scripts/util/XPayUtils");
</isscript>

<iscomment>---- BEGIN XPay BUILD ----</iscomment>
<isif condition="${XPayUtils.XPAY_PAYMODE === XPayUtils.PM_XPAY_BUILD}">

  <div class="order-summary-footer">
    <div class="place-order-totals">
     <isordertotals p_lineitemctnr="${pdict.Basket}" p_showshipmentinfo="${false}" p_shipmenteditable="${false}" p_totallabel="${Resource.msg('summary.
ordertotal','checkout',null)}"/>
    </div>
    <form action="${URLUtils.https('COSummary-Submit')}" method="post" class="submit-order">
      <fieldset>
        <iscomment>XPay Recurring Payment</iscomment>
        <isinclude template="/checkout/summary/xpay_recurpay" />

        <isinclude template="/checkout/billing/xpay_build" />
        <div class="form-row">
          <a class="back-to-cart" href="${URLUtils.url('Cart-Show')}">
            <isprint value="${Resource.msg('summary.editcart','checkout',null)}" encoding="off" />
          </a>
          <button id="xpay-build-orderbtn"
              class="button-fancy-large" disabled="disabled"
              type="submit" name="submitBtn"
              value="${Resource.msg('global.submitorder','locale',null)}">
            ${Resource.msg('global.submitorder','locale',null)}
          </button>
        </div>
        <input type="hidden" name="${dw.web.CSRFProtection.getTokenName()}" value="${dw.web.CSRFProtection.generateToken()}"/>

      </fieldset>
    </form>
  </div>
<iscomment>---- END  XPay BUILD ----</iscomment>

<iscomment>---- BEGIN EASY PAYMENT ----</iscomment>
<iselseif condition="${(XPayUtils.XPAY_PAYMODE === XPayUtils.PM_EASY_PAYMENT) ||
          (XPayUtils.XPAY_PAYMODE === XPayUtils.PM_ONECLICK && empty(customer.profile))}" />
  <div class="order-summary-footer">
    <div class="place-order-totals">
     <isordertotals p_lineitemctnr="${pdict.Basket}" p_showshipmentinfo="${false}" p_shipmenteditable="${false}" p_totallabel="${Resource.msg('summary.
ordertotal','checkout',null)}"/>
    </div>
    <form action="${URLUtils.https('XPayOrderMng-CreateOrder')}" method="post" id="form-xpay-easypay" class="submit-order">
      <fieldset>
        <div class="form-row">
          <a class="back-to-cart" href="${URLUtils.url('Cart-Show')}">
            <isprint value="${Resource.msg('summary.editcart','checkout',null)}" encoding="off" />
          </a>
          <iscomment>XPay Recurring Payment</iscomment>
          <isinclude template="/checkout/summary/xpay_recurpay" />

          <isinclude template="/checkout/summary/xpay_easypay" />
        </div>
      </fieldset>
    </form>
  </div>
<iscomment>---- END EASY PAYMENT ----</iscomment>

<iscomment>---- BEGIN Default Payment of Site Genesis ----</iscomment>
<iselse/>
  <div class="order-summary-footer">
    <div class="place-order-totals">
     <isordertotals p_lineitemctnr="${pdict.Basket}" p_showshipmentinfo="${false}" p_shipmenteditable="${false}" p_totallabel="${Resource.msg('summary.
```

```
ordertotal','checkout',null)}"/>
    </div>
    <form action="${URLUtils.https('COSummary-Submit')}" method="post" class="submit-order">
      <fieldset>
        <div class="form-row">
          <a class="back-to-cart" href="${URLUtils.url('Cart-Show')}">
            <isprint value="${Resource.msg('summary.editcart','checkout',null)}" encoding="off" />
          </a>
          <button class="button-fancy-large" type="submit" name="submit" value="${Resource.msg('global.submitorder','locale',null)}">
            ${Resource.msg('global.submitorder','locale',null)}
          </button>
        </div>
        <input type="hidden" name="${dw.web.CSRFProtection.getTokenName()}" value="${dw.web.CSRFProtection.generateToken()}"/>
      </fieldset>
    </form>
  </div>
</isif>
<iscomment>---- END Default Payment of Site Genesis ----</iscomment>

<iscomment>---- END CUSTOM CODE ----</iscomment>


</isdecorate>
```

The EasyPay payment method will also be available in OneClick mode when a not registered customer tries to pay an order as a guest user.

13.4 OneClick Payment integration

13.4.1 Template changes

templates/default/checkout/summary/xpay_oneclick.isml

The xpay_oneclick.isml template contains the main code required to integrate the XPay OneClick payment method into your checkout page.

Extract the following file from the provided package:
LINK-SiteGenesis-NexiXPay/cc_customization/cartridge/templates/default/checkout/ summary/xpay_oneclick.isml
to your site implementation folder:
<yoursite>/cartridge/templates/default/checkout/summary/xpay_oneclick.isml

templates/default/checkout/summary/summary.isml

After the Easy Payment custom code, modify the summary.isml adding the OneClick custom code, as follows:

```
<isslot id="placeorder-slot" description="Slot next to Order Totals in the footer of the Place Order page." context="global"/>


<iscomment>---- BEGIN CUSTOM CODE ----</iscomment>

<isscript>
  var XPayUtils = require("*/cartridge/scripts/util/XPayUtils");
</isscript>

<iscomment>---- BEGIN XPay BUILD ----</iscomment>
<isif condition="${XPayUtils.XPAY_PAYMODE === XPayUtils.PM_XPAY_BUILD}">

  <div class="order-summary-footer">
    <div class="place-order-totals">
     <isordertotals p_lineitemctnr="${pdict.Basket}" p_showshipmentinfo="${false}" p_shipmenteditable="${false}" p_totallabel="${Resource.msg('summary.
ordertotal','checkout',null)}"/>
    </div>
    <form action="${URLUtils.https('COSummary-Submit')}" method="post" class="submit-order">
      <fieldset>
        <iscomment>XPay Recurring Payment</iscomment>
        <isinclude template="/checkout/summary/xpay_recurpay" />

        <isinclude template="/checkout/billing/xpay_build" />
        <div class="form-row">
          <a class="back-to-cart" href="${URLUtils.url('Cart-Show')}">
```

```
                <isprint value="${Resource.msg('summary.editcart','checkout',null)}" encoding="off" />
              </a>
              <button id="xpay-build-orderbtn"
                  class="button-fancy-large" disabled="disabled"
                  type="submit" name="submitBtn"
                  value="${Resource.msg('global.submitorder','locale',null)}">
                ${Resource.msg('global.submitorder','locale',null)}
              </button>
            </div>
            <input type="hidden" name="${dw.web.CSRFProtection.getTokenName()}" value="${dw.web.CSRFProtection.generateToken()}"/>

          </fieldset>
        </form>
      </div>
<iscomment>---- END  XPay BUILD ----</iscomment>

<iscomment>---- BEGIN EASY PAYMENT ----</iscomment>
<iselseif condition="${(XPayUtils.XPAY_PAYMODE === XPayUtils.PM_EASY_PAYMENT) ||
                (XPayUtils.XPAY_PAYMODE === XPayUtils.PM_ONECLICK && empty(customer.profile))}" />
    <div class="order-summary-footer">
      <div class="place-order-totals">
       <isordertotals p_lineitemctnr="${pdict.Basket}" p_showshipmentinfo="${false}" p_shipmenteditable="${false}" p_totallabel="${Resource.msg('summary.
ordertotal','checkout',null)}"/>
      </div>
      <form action="${URLUtils.https('XPayOrderMng-CreateOrder')}" method="post" id="form-xpay-easypay" class="submit-order">
        <fieldset>
          <div class="form-row">
            <a class="back-to-cart" href="${URLUtils.url('Cart-Show')}">
              <isprint value="${Resource.msg('summary.editcart','checkout',null)}" encoding="off" />
            </a>
            <iscomment>XPay Recurring Payment</iscomment>
            <isinclude template="/checkout/summary/xpay_recurpay" />

            <isinclude template="/checkout/summary/xpay_easypay" />
          </div>
        </fieldset>
      </form>
    </div>
<iscomment>---- END EASY PAYMENT ----</iscomment>

<iscomment>---- BEGIN XPay ONECLICK ----</iscomment>
<iselseif condition="${XPayUtils.XPAY_PAYMODE === XPayUtils.PM_ONECLICK && !empty(customer.profile)}" />
    <div class="order-summary-footer">
      <div class="place-order-totals">
       <isordertotals p_lineitemctnr="${pdict.Basket}" p_showshipmentinfo="${false}" p_shipmenteditable="${false}" p_totallabel="${Resource.msg('summary.
ordertotal','checkout',null)}"/>
      </div>
      <form action="${URLUtils.https('XPayOrderMng-CreateOrder')}" method="post" id="form-xpay-oneclick" class="submit-order">
        <fieldset>
          <div class="form-row">
            <a class="back-to-cart" href="${URLUtils.url('Cart-Show')}">
              <isprint value="${Resource.msg('summary.editcart','checkout',null)}" encoding="off" />
            </a>
            <isinclude template="/checkout/summary/xpay_oneclick" />
          </div>
        </fieldset>
      </form>
    </div>
<iscomment>---- END XPay ONECLICK ----</iscomment>

<iscomment>---- BEGIN Default Payment of Site Genesis ----</iscomment>
<iselse/>
    <div class="order-summary-footer">
      <div class="place-order-totals">
       <isordertotals p_lineitemctnr="${pdict.Basket}" p_showshipmentinfo="${false}" p_shipmenteditable="${false}" p_totallabel="${Resource.msg('summary.
ordertotal','checkout',null)}"/>
      </div>
      <form action="${URLUtils.https('COSummary-Submit')}" method="post" class="submit-order">
        <fieldset>
          <div class="form-row">
```

```
            <a class="back-to-cart" href="${URLUtils.url('Cart-Show')}">
              <isprint value="${Resource.msg('summary.editcart','checkout',null)}" encoding="off" />
            </a>
            <button class="button-fancy-large" type="submit" name="submit" value="${Resource.msg('global.submitorder','locale',null)}">
              ${Resource.msg('global.submitorder','locale',null)}
            </button>
          </div>
          <input type="hidden" name="${dw.web.CSRFProtection.getTokenName()}" value="${dw.web.CSRFProtection.generateToken()}"/>
        </fieldset>
      </form>
    </div>
</isif>
<iscomment>---- END Default Payment of Site Genesis ----</iscomment>

<iscomment>---- END CUSTOM CODE ----</iscomment>


</isdecorate>
```

14 Customize stylings

In order to apply your custom css stylings to the XPay html components, you need to create a template with the pt_ prefix that define the look and feel of your customized checkout page (for example, fonts, colors and display properties).
To know more about naming convention and page structure of Site Genesis pages, see the Commerce Cloud documentation at SiteGenesis and CSS.

A sample of a site customizzation is provided in the following folder of the provided package:
LINK-SiteGenesis-NexiXPay\cc_customization

pt_checkout_UI.isml

This file defines resources that are automatically included in the header of your checkout page.

Extract the following file from the provided package:
LINK-SiteGenesis-NexiXPay/cc_customization/cartridge/templates/default/checkout/pt_checkout_UI.isml
to your site implementation folder:
<yoursite>/cartridge/templates/default/checkout/pt_checkout_UI.isml

xpay.css

This is a style sheet that customize the look and feel of XPay html elements. It is automatically injected into your checkout page.

Extract the following file from the provided package:
LINK-SiteGenesis-NexiXPay/cc_customization/cartridge/static/default/css/xpay.css
to your site implementation folder:
<yoursite>/cartridge/static/default/css/xpay.css