



Version 21.0.0 for Salesforce  
Commerce Cloud - SiteGenesis

Upgrade Guide - Express Checkout

## Summary

This guide describes how to upgrade your existing Afterpay SiteGenesis V2 cartridge to add Express Checkout functionality.

Afterpay's Version 21.0.0 cartridge provides the following features:

- Provides Afterpay Express Checkout feature
- Supports Afterpay's v2.0 API

## Where To Download The Cartridge

The cartridges and full documentation can be downloaded from:

<https://github.com/afterpay/afterpay-salesforce-commerce-cloud>

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# Component Overview

## Functional Overview

Afterpay provides a payment processing gateway. Afterpay's payment gateway connects your storefront to process transactions that allow customers to make purchases.

## Use Cases

Allows checkout using the Afterpay payment method at the checkout screen.

Allows checkout using the Afterpay Express Checkout feature at the cart, minicart, and product details screen.

## Limitations

The following Afterpay APIs are supported.

1. [Direct Capture Payment](#)
2. [Authorize Payment](#)
3. [Create Checkout](#)
4. [Get Checkout](#)
5. [Get Configuration](#)

The following Afterpay APIs are not supported or applicable

1. [Void Authorization](#) - Merchants will need to implement this in the event that orders can be cancelled from SFCC.
2. [Capture Payment](#) - If using our deferred payment flow the capture payment call will typically happen from an Order Management System
3. [Update Shipping Courier](#) - this will typically be implemented in the Order Management System.

## Compatibility

Available since SFCC 16.4

SiteGenesis reference application integration examples and references version V2.

## Transaction Data Privacy

This integration requires access to the following customer data elements:

- Billing Address
- Shipping Address
- Order Details
- Customer Profile

No credit card details are stored within SFCC using this integration.

## New Features in v21.0.0

### Express Checkout

Express Checkout is a new feature which will reduce the overall checkout steps on desktop and mobile, so that your shoppers can complete their orders quickly. It enables shoppers to checkout directly from the shopping cart or product page; and use their previously provided information to Afterpay - name, shipping address, phone number, and email, to complete their orders on your website.

After adding Afterpay's v21.0.0 cartridge, the following will be added to your site:

- “Checkout with Afterpay” buttons on the cart page
- “Buy Now with Afterpay” button on the product detail page .  
(Optional but Highly Recommended)

When the shopper clicks on the checkout buttons, the following will occur:

- Express Checkout begins and Afterpay's popup form appears.
- Shoppers who have used Afterpay in the past and have enabled saved shipping and payment information will be defaulted with those options and will not have to reenter that information, but can change as desired.
- Price and shipping methods will be presented to the shopper (with integrated shipping option enabled).
- Upon clicking the confirmation button, the shopper will be redirected back to the merchant site for review or immediate order creation (BuyNow option enabled)

### V2 API Support

The V2 API is the most recent update to Afterpay's API for ecommerce integrations. This API allows a merchant to choose between capturing funds at the time of order or authorizing funds and capturing at the time of shipment. See  
<https://developers.afterpay.com/afterpay-online/docs/api-calls-and-payment-flows>

# Upgrade Guide (for v20.0.0 cartridge users)

## Integrating v21.0.0 Cartridge to an Existing v20.0.0 Install

Note: The link cartridge download will include a copy of all files that were changed from the base cartridge for SiteGenesis 105.1.0 . The edits in the integration guide for the v20.0.0 cartridge may differ slightly from the ones described in this guide . Specifically, most code blocks that were inserted will have comments surrounding them. For isml templates, the comments will generally be:

```
<iscomment>Start of Afterpay</iscomment>
...
<iscomment>End of Afterpay</iscomment>
```

In Javascript sections they will be:

```
// Start of Afterpay
...
// End of Afterpay
```

Thus exact line numbers in the edits below may differ slightly from your version.

Three patchfiles are included in the **documents** folder that capture the changes in the SiteGenesis base cartridge for integrating Afterpay v20.0.0, Afterpay v21.0.0, and differences between v20.0.0 and v21.0.0:

[documentation/patchfiles/sitegenesis-105.1.0-afterpay-v20.0.0.patch](#)

[documentation/patchfiles/sitegenesis-105.1.0-afterpay-v21.0.0.patch](#)

[documentation/patchfiles/sitegenesis-105.1.0-afterpay-v20.0.0-v21.0.0.patch](#)

Please refer to those if the directions below are not clear.

Integrating the v21.0.0 cartridge will require replacing the existing Afterpay Link cartridge with the new ones. If you've made changes directly to Afterpay's link cartridge, you will need to migrate the changes to the new one.

## 1. Download the v21.0.0 Cartridge

The current version of the Afterpay cartridge is available directly from Afterpay.

<https://github.com/afterpay/afterpay-salesforce-commerce-cloud>

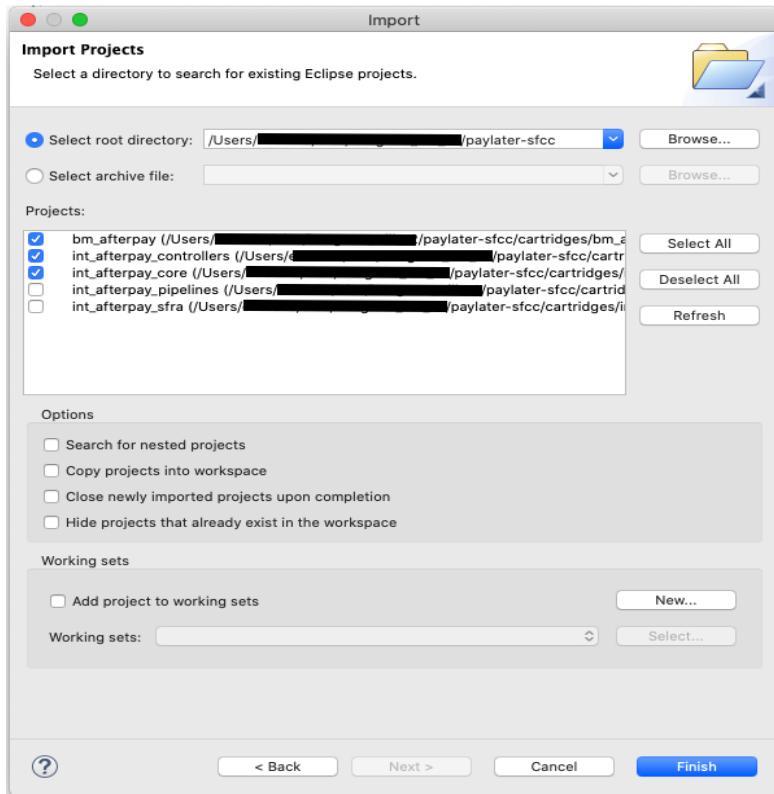
The version hosted on the Salesforce Commerce Cloud Partner Marketplace is an older version and should not be used.

## 2. Import the Cartridge

Import the cartridge using UX Studio (or VSCode with the Prophet extension)

### Import the Afterpay V2.0 Cartridge Into UX Studio

1. Download and unzip the cartridge.
2. In Salesforce UX Studio, change to the Digital Development view, and run the Import function.
3. In the Import window, click **General > Existing Projects into Workspace**
4. Select the location where you've unzipped the cartridge.
5. For SiteGenesis controllers, select the **bm\_afterpay, int\_afterpay\_controllers, and int\_afterpay\_core** projects.
6. When the prompt “Do you want to attach the cartridges to a Digital Server” appears, click “Yes”. Select all the projects in the list and click “OK”.
7. If you were not prompted, return to the Project Explorer and right click the entry for your server. Click **Project References** and make sure to select all of the projects mentioned above.
8. Check to see that the new cartridge has been uploaded.



The import will overwrite the old Afterpay cartridge (in **int\_afterpay\_core**, **int\_afterpay\_controller**). Please back-up the previous contents by downloading with **Business Manager** or by using a different code deployment version to avoid overwriting existing files.

### 3. Import XML Files for the Site Metadata

All import files can be found in the **metadata/** folder within cartridge installation.

To import all necessary Afterpay settings, log in to the Business Manager and navigate to **Administration > Site Development > Import & Export**. Now upload the **SystemObjects.xml** file using the upload button and, finally go back and use the import button to import the file. After a successful import, you will be able to see the Afterpay custom attributes.

Administration > Site Development > Import & Export > Step 1 - Select Import File

## System Type Extension Import - Select File

Step 1 of 3. Next Step: Validate Import File

The list below shows all uploaded import files. Please select the file that you want to import.

Select	Name
<input checked="" type="radio"/>	SystemObjects.xml

Showing 1 - 1 of 1 items

## 4. Custom Code Changes

### SiteGenesis Base Cartridge Modifications

In order to integrate the new Afterpay cartridge, modifications need to be made to the SiteGenesis base cartridge.

**NOTE:** The following instructions are only for users who have installed Afterpay's V20.0.0 link cartridge and want to upgrade to V21.0.0. If you have not installed the V20.0.0 and want to upgrade to V21.0.0 directly, please see the [Integration Guide for New Afterpay Users](#).

#### 1. File: **app\_storefront\_core/cartridge/scss/default/\_afterpay.scss**

Copy the **\_afterpay.scss** file from the **reference** folder of the v21.0.0 cartridge into **app\_storefront\_core/cartridge/scss/default/\_afterpay.scss**

#### 2. File: **app\_storefront\_controllers/cartridge/controllers/COBilling.js**

For each line containing the following:

```
cart.removePaymentInstruments( cart.getPaymentInstruments('AFTERPAY_PBI'));
```

Change the line to:

```
require('int_afterpay_core/cartridge/scripts/checkout/AfterpayHandlers.js').handleChangedPaymentInstrument();
```

There should be 3 instances changed. This change removes the Afterpay payment instrument when the shopper chooses a different payment type and also clears the session state used by Express Checkout.

In the function start(), paste the lines below as shown in the screenshot:

```
// Start of Afterpay
require('int_afterpay_core/cartridge/scripts/checkout/AfterpayHandlers.js').handleBillingStart();
// End of Afterpay
```

```
112  function start(cart, params) {
113
114    app.getController('COShipping').PrepareShipments();
115
116    Transaction.wrap(function () {
117      cart.calculate();
118    });
119
120    var pageMeta = require('~/cartridge/scripts/meta');
121    pageMeta.update({
122      pageTitle: Resource.msg('billing.meta.pagetitle', 'checkout', 'SiteGenesis Checkout')
123    });
124    // Start of Afterpay
125    require('int_afterpay_core/cartridge/scripts/checkout/AfterpayHandlers.js').handleBillingStart();
126    // End of Afterpay
127    returnToForm(cart, params);
128 }
```

This change allows an accurate Afterpay payment amount to be displayed on the billing page when the page is loaded. This is also needed when gift certificates or coupons are applied, and the page is reloaded.

### 3. File: **app\_storefront\_controllers/cartridge/controllers/COShipping.js**

Near the bottom of function selectShippingMethod(), paste the following code as shown in the screenshot:

```
// Start of Afterpay
require('int_afterpay_core/cartridge/scripts/checkout/AfterpayHandlers.js').handleShippingMethodUpdate();
// End of Afterpay
```

```
282     applicableShippingMethods = cart.getApplicableShippingMethods(address);
283
284     Transaction.wrap(function () {
285         cart.updateShipmentShippingMethod(cart.getDefaultShipment().getID(), request.httpParameterMap.shippingMethodID.stringValue, null);
286         cart.calculate();
287     });
288
289 // Start of Afterpay
290 require('int_afterpay_core/cartridge/scripts/checkout/AfterpayHandlers.js').handleShippingMethodUpdate();
291 // End of Afterpay
292 app.getView({
293     Basket: cart.object
294 }).render('checkout/shipping/selectshippingmethodjson');
```

This change allows an accurate Afterpay payment amount to be displayed on the shipping page when the shipping method is changed.

### 4. File:

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

Near the top of the file, paste the following code as shown in the screenshot:

```
<iscomment>Start of Afterpay Express</iscomment>
<isif condition="${dw.system.Site.getCurrent().getCustomPreferenceValue('enableAfterpay') && dw.system.Site.getCurrent().getCustomPreferenceValue('apEnableExpressCheckout')}>
<isafterpayexpresscheckout basket ="${pdict.Basket}">
<iscomment>
If the delivery option is changed, do ajax call to server to check whether all items in cart are being picked up in-store. Call Afterpay Express widget with "pickup" setting.
</iscomment>
<script type="text/javascript">
document.addEventListener("DOMContentLoaded", function() {
    console.log("afterpay express js loaded");
    initAfterpay({pickupflag: $('#afterpay-express-storepickup').val() === "true"});
```

```
        initializeDeliveryOptionChangeListener();
    });
</script>
</isif>
<iscomment>End of Afterpay Express</iscomment>
```

```
1  <iscontent type="text/html" charset="UTF-8" compact="true"/>
2  <isdecorate template="checkout/cart/pt_cart">
3      <isinclude template="util/modules" />
4      <isinclude template="util/reporting/ReportBasket.isml" />
5      <iscomment>Start of Afterpay Express</iscomment>
6      <isif condition="${dw.system.Site.getCurrent().getCustomPreferenceValue('enableAfterpay')
7          && dw.system.Site.getCurrent().getCustomPreferenceValue('apEnableExpressCheckout')}">
8          <isafterpayexpresscheckout basket="${pdict.Basket}">
9              <iscomment>
10             If the delivery option is changed, do ajax call to server to check whether all items in
11             cart are being picked up in-store. Call Afterpay Express widget with "pickup" setting.
12             </iscomment>
13             <script type="text/javascript">
14                 document.addEventListener("DOMContentLoaded", function() {
15                     console.log("afterpay express js loaded");
16                     initAfterpay({pickupflag: $('#afterpay-express-storepickup').val() === "true"});
17                     initializeDeliveryOptionChangeListener();
18                 });
19             </script>
20         </isif>
21         <iscomment>End of Afterpay Express</iscomment>
22
23     <isset name="enableCheckout" value="${pdict.EnableCheckout}" scope="page" />
24     <isif condition="${dw.system.Site.getCurrent().getCustomPreferenceValue('enableStorePickUp')}">
...>
```

Near line 52, under the `<button>` element, paste the following code as seen in the screenshot:

```
<iscomment>Start of Afterpay Express</iscomment>
<isif condition="${afterpayExpressCheckoutEnabled && !disableAfterpayPaymentMethod}">
<div>
    <isif condition="${isExpressCheckoutFinalize}">
        <a href="${URLUtils.url('AfterpayExpress-ContinueFinalize')}">
            <input type="button" class="button-fancy-large afterpay-checkout-button"
id="afterpay-continue-button" />
        </a>
    <iselse/>
        <input type="button" class="button-fancy-large afterpay-checkout-button"
id="afterpay-express-button" data-afterpay-entry-point="cart" />
    </isif>
</div>
</isif>
<iscomment>End of Afterpay Express</iscomment>
```

```
45 |     <iscomment>continue shop url is a non-secure but checkout needs a secure and that is why separate forms!</iscomment>
46 |     <form class="cart-action-checkout" action="${URLUtils.httpsContinue()}" method="post" name="${pdict.CurrentForms.cart.dynam
47 |         <fieldset>
48 |             <isif condition="${enableCheckout}">
49 |                 <button class="button-fancy-large" type="submit" value="${Resource.msg('global.checkout','locale',null)}" name=
50 |                     ${Resource.msg('global.checkout','locale',null)}
51 |             </button>
52 |         <iscomment>Start of Afterpay Express</iscomment>
53 |         <isif condition="${afterpayExpressCheckoutEnabled && !disableAfterpayPaymentMethod}"> You, 11 minutes ago
54 |             <div>
55 |                 <isif condition="${isExpressCheckoutFinalize}">
56 |                     <a href="${URLUtils.url('AfterpayExpress-ContinueFinalize')}">
57 |                         <input type="button" class="button-fancy-large afterpay-checkout-button" id="afterpay-continue-but
58 |                     </a>
59 |                 <iselse/>
60 |                     <input type="button" class="button-fancy-large afterpay-checkout-button" id="afterpay-express-button" c
61 |                 </isif>
62 |             </div>
63 |         </isif>
64 |         <iscomment>End of Afterpay Express</iscomment>
65 |         <isapplepay></isapplepay>
66 |     <iselse/>
67 |         <button class="button-fancy-large" disabled="disabled" type="submit" value="${Resource.msg('global.checkout','l
68 |             ${Resource.msg('global.checkout','locale',null)}
69 |         </button>
70 |     </isif>
71 | </fieldset>
```

Near line 910, under the `<button>` element, paste the following code as seen in the screenshot:

```
<iscomment>Start of Afterpay Express</iscomment>
<isif condition="${afterpayExpressCheckoutEnabled && !disableAfterpayPaymentMethod}">
<div>
    <isif condition="${isExpressCheckoutFinalize}">
        <a href="${URLUtils.url('AfterpayExpress-ContinueFinalize')}">
            <input type="button" class="button-fancy-large afterpay-checkout-button"
id="afterpay-continue-button" />
        </a>
    <iselse/>
        <input type="button" class="button-fancy-large afterpay-checkout-button"
id="afterpay-express-button" data-afterpay-entry-point="cart" />
    </isif>
</div>
</isif>
<iscomment>End of Afterpay Express</iscomment>
```

```

903     <iscomment>continue shop url is a non-secure but checkout needs a secure and that is why separate forms!</iscomment>
904     <form class="cart-action-checkout" action="${URLUtils.httpsContinue()}" method="post" name="${pdict.CurrentForms.cart.dyn
905         <fieldset>
906             <isif condition="${enableCheckout}">
907                 <button class="button-fancy-large" type="submit" value="${Resource.msg('global.checkout','locale',null)}" name="submit"
908                     ${Resource.msg('global.checkout','locale',null)}
909             </button>
910             <iscomment>Start of Afterpay Express</iscomment>
911             <isif condition="${afterpayExpressCheckoutEnabled && !disableAfterpayPaymentMethod}">
912                 <div>
913                     <isif condition="${isExpressCheckoutFinalize}">
914                         <a href="${URLUtils.url('AfterpayExpress-ContinueFinalize')}">
915                             <input type="button" class="button-fancy-large afterpay-checkout-button" id="afterpay-continue-button" value="CONTINUE">
916                         </a>
917                     <iselse/>
918                         <input type="button" class="button-fancy-large afterpay-checkout-button" id="afterpay-express-button" value="CHECKOUT WITH AFTERPAY EXPRESS">
919                     </isif>
920                 </div>
921             </isif>
922             <iscomment>End of Afterpay Express</iscomment>
923             <isapplepay></isapplepay>
924             <iselse/>
925                 <button class="button-fancy-large" disabled="disabled" type="submit" value="${Resource.msg('global.checkout',
926                     ${Resource.msg('global.checkout','locale',null)}}
927             </button>

```

These changes enable the Afterpay Express Checkout popup to be launched on the cart page and creates the Express Checkout buttons to launch it.

## 5. File:

**app\_storefront\_core/cartridge/templates/default/checkout/[summary.isml](#)**

Starting on line 221, comment out the following button:

```

<button class="button-fancy-large" type="submit" name="submit"
value="${Resource.msg('global.submitorder','locale',null)}">
    ${Resource.msg('global.submitorder','locale',null)}
</button>

```

Right underneath, paste the following code as shown in the screenshot. This snippet contains the commented out button as well for clarity.

```

<iscomment>
Removed for Afterpay
    <button class="button-fancy-large" type="submit" name="submit"
value="${Resource.msg('global.submitorder','locale',null)}">
        ${Resource.msg('global.submitorder','locale',null)}
    </button>
</iscomment>

```

```
<iscomment>Start of Afterpay</iscomment>
<isafterpaywidget />
<isif condition="${afterpayExpressCheckoutEnabled && isExpressCheckoutFinalize}">
    <script type="text/javascript">
        document.addEventListener("DOMContentLoaded", function() {
            createAfterpayWidget();
            let elem = document.getElementById('afterpay-express-placeorder-button');
            elem.addEventListener('click', function() {
                let finalizeUrl =
document.getElementById('afterpay-express-url-placeorder').value;
                window.location.href=finalizeUrl+'?checksum='+afterpayWidget.paymentScheduleChecksum;
            });
        });
    </script>
    <isif condition="${afterpayExpressCheckoutEnabled && isExpressCheckoutFinalize && afterpayAmount.value > 0}">
        <div id="afterpay-widget-container"></div>
    </isif>
    <div id="afterpay-placeorder" class="afterpay-widget-hideuntilready afterpay-summary-button-container">
        <input type="button" id="afterpay-express-placeorder-button"
class="afterpay-placeorder-button afterpay-summary">
            &nbsp;
        </input>
    </div>
    <iselse/>
        <button class="button-fancy-large" type="submit" name="submit"
value="${Resource.msg('global.submitorder','locale',null)}">
            ${Resource.msg('global.submitorder','locale',null)}
        </button>
    </isif>
<iscomment>End of Afterpay</iscomment>
```

```

215
216
217     <form action="${URLUtils.https('COSummary-Submit')}" method="post" class="submit-order">
218         <fieldset>
219             <div class="form-row">
220                 <a class="back-to-cart" href="${URLUtils.url('Cart-Show')}">
221                     <isprint value="${Resource.msg('summary.editcart','checkout',null)}" encoding="off" />
222                 </a>
223             <iscomment>
224                 Removed for Afterpay
225                 <button class="button-fancy-large" type="submit" name="submit" value="${Resource.msg('global.submitorder','locale',null)}" />
226             </iscomment>
227             <iscomment>Start of Afterpay</iscomment>
228             <isafterpaywidget />
229             <isif condition="${afterpayExpressCheckoutEnabled && isExpressCheckoutFinalize}">
230                 <script type="text/javascript">
231                     document.addEventListener("DOMContentLoaded", function() {
232                         createAfterpayWidget();
233                         let elem = document.getElementById('afterpay-express-placeorder-button');
234                         elem.addEventListener('click', function() {
235                             let finalizeUrl = document.getElementById('afterpay-express-url-placeorder').value;
236                             window.location.href=finalizeUrl+'?checksum='+afterpayWidget.paymentScheduleChecksum;
237                         });
238                     });
239                 </script>
240                 <isif condition="${afterpayExpressCheckoutEnabled && isExpressCheckoutFinalize && afterpayAmount.value > 0}">
241                     <div id="afterpay-widget-container"></div>
242                 </isif>
243                 <div id="afterpay-placeorder" class="afterpay-widget-hideuntilready afterpay-summary-button-container">
244                     <input type="button" id="afterpay-express-placeorder-button" class="afterpay-placeorder-button afterpay-summary-button" value="Place Order" />
245                 </div>
246             </isif>
247             <iselse/>
248                 <button class="button-fancy-large" type="submit" name="submit" value="${Resource.msg('global.submitorder','locale',null)}" />
249             </iselse>
250             <iscomment>End of Afterpay</iscomment>
251
252         </div>
253     </iscomment>
254
255     <input type="hidden" name="${dw.web.CSRFProtection.getTokenName()}" value="${dw.web.CSRFProtection.generateToken()}" />
256
257     </div>
258     </form>
259
260 </div>
261
262 </isdecorate>
263

```

## 6. File:

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

Add the following near the top of the file right after the initial <isscript> section:

```
<isafterpaywidget pagetype="payment_methods" />
```

```
1  <iscontent type="text/html" charset="UTF-8" compact="true">
2  <iscomment> TEMPLATENAME: paymentmethods.isml </iscomment>
3  <isinclude template="util/modules"/>
4
5  <iscomment>Start of added for Afterpay</iscomment>
6  <isscript>
7  var sitePreferences = require("int_afterpay_core/cartridge/scripts/util/AfterpayUtilities.js").getSitePreferencesUtilities();
8  var afterpayEnable = sitePreferences.isAfterpayEnabled(); var basketObject = dw.order.BasketMgr.getCurrentBasket(); var orderGrandTotal
9  var apMessageService = require("int_afterpay_core/cartridge/scripts/product/AfterpayDisplayProductMessage");
10 var thresholdResponse = apMessageService.getThresholdRange(orderGrandTotal);
11 var disableAfterpayPaymentMethod = false;
12 if(thresholdResponse && (thresholdResponse.belowThreshold || thresholdResponse.aboveThreshold)){
13     disableAfterpayPaymentMethod = true;
14 }
15 </isscript>
16 <isafterpaywidget pagetype="payment_methods" />
17 <iscomment>End of added for Afterpay</iscomment>
18
```

Near line 194, in the section that was added to integrate the previous version of the Afterpay cartridge, paste the following as shown in the screenshot:

```
<isif condition="${afterpayExpressCheckoutEnabled && isExpressCheckoutFinalize}">
    <div class="afterpay-paymethod-widget-div">
        <div id="afterpay-widget-container"></div>
    </div>
    <iscomment>
        Disable the Continue to Place Order button during Afterpay Express Checkout if
        Afterpay is selected as the payment option. The Afterpay button will be shown instead.
    </iscomment>
    <script type="text/javascript">
        /**
         * If the Afterpay placeorder button is on screen, hide the original button
         */
        function hidePlaceOrderButtonIfNecessary() {
            let element = document.querySelector('.afterpay-placeorder-button');
            let originalContinueButtonElement = document.querySelector("#dwfrm_billing >
div.form-row-button");
            if (!element || !originalContinueButtonElement) {
                return;
            }
            // Check if Afterpay radio button is selected
            var afterpayRadioButton = document.querySelector('#is-AFTERPAY_PBI');
            if (afterpayRadioButton && afterpayRadioButton.checked == true) {
                // hide existing "CONTINUE TO PLACE ORDER" button
                originalContinueButtonElement.classList.add("afterpay-hidden");
            } else {
                // unhide
                originalContinueButtonElement.classList.remove("afterpay-hidden");
            }
        }
        document.addEventListener("DOMContentLoaded", function() {
            createAfterpayWidget();
            var paymentMethodOptions = document.querySelector('.payment-method-options');
```

```
if (paymentMethodOptions) {
    paymentMethodOptions.addEventListener('change', function() {
        hidePlaceOrderButtonIfNecessary()
    });
}

hidePlaceOrderButtonIfNecessary();
let elem = document.getElementById('afterpay-express-placeorder-button');
elem.addEventListener('click', function() {
    let finalizeUrl =
document.getElementById('afterpay-express-url-placeorder').value;
window.location.href=finalizeUrl+'?checksum='+afterpayWidget.paymentScheduleChecksum;
});
});
</script>
<div class="form-row form-row-button">
    <input type="button" id="afterpay-express-placeorder-button"
class="afterpay-placeorder-button afterpay-widget-hideuntilready">
        &ampnbsp
    </input>
</div>
</isif>
```

```
192 |     </iscomment>
193 |     <iscomment>
194 |       Afterpay Pay Over Time
195 |       -----
196 |     </iscomment>
197 |     <iscomment>Start of Afterpay</iscomment>
198 |     <isif condition="${afterpayEnable == true}">
199 |       <div class="payment-method <isif condition="${!empty(pdct.selectedPaymentID) && pdct.selectedPaymentID=='AFTERPAY_PBI'}">payment-method-expanded</isif>" data-method="AFTERPAY_PBI">
200 |         <isslot id="afterpay-checkout-pbi" description="Afterpay checkout PBI content" context="global" />
201 |       <isif condition="${afterpayExpressCheckoutEnabled && isExpressCheckoutFinalize}">
202 |         <div class="afterpay-paymethod-widget-div">
203 |           <div id="afterpay-widget-container"></div>
204 |         </div>
205 |         <iscomment>
206 |           Disable the Continue to Place Order button during Afterpay Express Checkout if
207 |           Afterpay is selected as the payment option. The Afterpay button will be shown instead.
208 |         </iscomment>
209 |         <script type="text/javascript">
210 |           /**
211 |             * If the Afterpay placeorder button is on screen, hide the original button
212 |             */
213 |           function hidePlaceOrderButtonIfNecessary() {
214 |             let element = document.querySelector('.afterpay-placeorder-button');
215 |             let originalContinueButtonElement = document.querySelector("#dwfrm_billing > div.form-row-button");
216 |             if (!element || !originalContinueButtonElement) {
217 |               return;
218 |             }
219 |
220 |             // Check if Afterpay radio button is selected
221 |             var afterpayRadioButton = document.querySelector('#is-AFTERPAY_PBI');
222 |             if (afterpayRadioButton && afterpayRadioButton.checked == true) {
223 |               // hide existing "CONTINUE TO PLACE ORDER" button
224 |               originalContinueButtonElement.classList.add("afterpay-hidden");
225 |             } else {
226 |               // unhide
227 |               originalContinueButtonElement.classList.remove("afterpay-hidden");
228 |             }
229 |
230 |             document.addEventListener("DOMContentLoaded", function() {
231 |               createAfterpayWidget();
232 |               var paymentMethodOptions = document.querySelector('.payment-method-options');
233 |               if (paymentMethodOptions) {
234 |                 paymentMethodOptions.addEventListener('change', function() {
235 |                   hidePlaceOrderButtonIfNecessary()
236 |                 });
237 |               }
238 |
239 |               hidePlaceOrderButtonIfNecessary();
240 |               let elem = document.getElementById('afterpay-express-placeorder-button');
241 |               elem.addEventListener('click', function() { You, 25 days ago + tabs instead of spaces
242 |                 let finalizeUrl = document.getElementById('afterpay-express-url-placeorder').value;
243 |                 window.location.href=finalizeUrl+'?checksum='+afterpayWidget.paymentScheduleChecksum;
244 |               });
245 |
246 |             </script>
247 |             <div class="form-row form-row-button">
248 |               <input type="button" id="afterpay-express-placeorder-button" class="afterpay-placeorder-button afterpay-widget-hi
249 |               &nbsp;
250 |               </input>
251 |             </div>
252 |           </div>
253 |         </isif>
254 |       <iscomment>End of Afterpay</iscomment>
```

7. File:

**app\_storefront\_core/cartridge/templates/default/product/productcontent.isml**

Starting on line 222 it looks like SiteGenesis has a slight bug, which we will fix. The old line was:

```
<input type="hidden" name="cgid" id="cgid" value="${pdict.CurrentHttpParameterMap.cgid.value}" />
```

Let's go ahead and add the \$ in the value attribute:

```
<input type="hidden" name="cgid" id="cgid" value="$${pdict.CurrentHttpParameterMap.cgid.value}" />
```

Right below this change, paste the code below as shown in the screenshot:

```
<iscomment>Start of Afterpay</iscomment>
<isafterpayexpresscheckout pagetype="product_detail"/>
<isif condition="${afterpayExpressCheckoutPdpEnabled}">
<script type="text/javascript">
    var continueFinalize = function() {
        var finurl = $('#afterpayurl-continuefinalize').val() + "?cartAction=add&pid=" +
$('#pid').val() + "&Quantity=" + $('#Quantity').val();
        window.location.href = finurl;
    }
    $(document).ajaxComplete(function() {
        if (document.querySelector("#afterpay-express-link-button")) {
            initAfterpay({pickupflag: false, target: "#afterpay-express-link-button",
productIdSelector: "#pid", productQuantitySelector: "#Quantity"});
        }
    });
    $(document).ready(function() {
        if (document.querySelector("#afterpay-express-link-button")) {
            initAfterpay({pickupflag: false, target: "#afterpay-express-link-button",
productIdSelector: "#pid", productQuantitySelector: "#Quantity"});
        }
    });
</script>
</isif>
<iscomment>End of Afterpay</iscomment>
```

```
218     }
219     );
220   
```

221 </iscomment>
222 <input type="hidden" name="pid" id="pid" value="\${pid}" />
223 <input type="hidden" name="cgid" id="cgid" value="\${pdict.CurrentHttpParameterMap.cgid.value}" />
224 <iscomment>Start of Afterpay</iscomment>
225 <isafterpayexpresscheckout pagetype="product\_detail"/>
226 <isif condition="\${afterpayExpressCheckoutPdpEnabled}">
227 <script type="text/javascript">
228 var continueFinalize = function() {
229 var finurl = \$('#afterpayurl-continuefinalize').val() + "?cartAction=add&pid=" + \$('#pid').val() + "&Quantity=1";
230 window.location.href = finurl;
231 }
232 \$(document).ajaxComplete(function() {
233 if (document.querySelector("#afterpay-express-link-button")) {
234 initAfterpay({pickupflag: false, target: "#afterpay-express-link-button", productIdSelector: "#pid", quantitySelector: "#Quantity", pid: \$('#pid').val()});
235 }
236 });
237 \$(document).ready(function() {
238 if (document.querySelector("#afterpay-express-link-button")) {
239 initAfterpay({pickupflag: false, target: "#afterpay-express-link-button", productIdSelector: "#pid", quantitySelector: "#Quantity", pid: \$('#pid').val()});
240 }
241 });
242 </script>
243 </isif>
244 <iscomment>End of Afterpay</iscomment>
245 <isif condition="\${!disabledAttr}">
246 <button id="add-to-cart" type="submit" title="\${buttonTitle}" value="\${buttonTitle}" class="button-fancy-large add-to-cart-button">Add to Cart</button>

```
247   </isif>
248 </iscomment>
```

Right after line 245 of the screenshot above, paste the following as seen in the screenshot below:

```
<iscomment>Start of Afterpay</iscomment>
<isif condition="${afterpayExpressCheckoutEnabled && afterpayExpressCheckoutPdpEnabled && !disableAfterpayPaymentMethod}">
<iscomment>
When calling initAfterpay, we pass in the selectors for the pid and Quantity input fields for the item.
When Afterpay Express popup starts, it will grab the values using those selectors, and pass those in as input to CreateToken.
The AfterpayExpress-CreateToken controller will add the product into the cart by itself.
</iscomment>
<div class="afterpay-paynow-pdp">
  <isif condition="${isExpressCheckoutFinalize}">
    <input id="afterpay-express-continuefinalize-button" type="button"
class="afterpay-paynow-button" onclick="continueFinalize();return false;"></input>
  <iselse/>
    <input id="afterpay-express-link-button" type="button"
class="afterpay-paynow-button"></input>
  </isif>
</div>
</isif>
<iscomment>End of Afterpay</iscomment>
```

```
244
245     <isif condition="${!disabledAttr}">
246         <button id="add-to-cart" type="submit" title="${buttonTitle}" value="${buttonTitle}" class="button-fancy-large add-to-cart">
247             <iscomment>Start of Afterpay</iscomment>
248             <isif condition="${afterpayExpressCheckoutEnabled && afterpayExpressCheckoutPdpEnabled && !disableAfterpayPaymentMethod}">
249                 When calling initAfterpay, we pass in the selectors for the pid and Quantity input fields for the item.
250                 When Afterpay Express popup starts, it will grab the values using those selectors, and pass those in as input to CreateToken.
251                 The AfterpayExpress-CreateToken controller will add the product into the cart by itself.
252             </iscomment>
253             <div class="afterpay-paynow-pdp">
254                 <isif condition="${isExpressCheckoutFinalize}">
255                     <input id="afterpay-express-continuefinalize-button" type="button" class="afterpay-paynow-button" onclick="window.location.href='${url}'">
256                 <iselse/>
257                     <input id="afterpay-express-link-button" type="button" class="afterpay-paynow-button"></input>
258                 </isif>
259             </div>
260         </isif>
261         <iscomment>End of Afterpay</iscomment>
262         <isapplepay sku="${pdict.Product.ID}"></isapplepay>
263     <iselse>
264         <isscript>
265             var pvm = pdict.Product.getVariationModel();
266             var it = pvm.getProductVariationAttributes().iterator();
267             var array = [];

```

## 8. File: [app\\_storefront\\_core/cartridge/js/pages/checkout/billing.js](#)

In the \$addCoupon.on() event handler, change the line:

```
if (data.success && data.baskettotal === 0) {
```

To:

```
if (data.success) {
```

Optionally, paste the following comments to indicate the reason for the change. See the screenshot to see what the modifications should look like.

```
// Afterpay - fix for apparent bug since page should reload if coupon applied regardless of baskettotal. Otherwise
// order totals on page are not updated and no indication is given whether coupon has been applied
```

```
172     return;
173 }
174
175     //basket check for displaying the payment section, if the adjusted total of the basket is 0 after applying the coupon
176     //this will force a page refresh to display the coupon message based on a parameter message
177
178     // Afterpay - fix for apparent bug since page should reload if coupon applied regardless of baskettotal. Otherwise
179     // order totals on page are not updated and no indication is given whether coupon has been applied
180     //if (data.success && data.baskettotal === 0) {
181         if (data.success) {
182             window.location.assign(Urls.billing);
183         }
184     });
185 }
186
187     // trigger events on enter
188 $couponCode.on('keydown', function (e) {
```

As the comment indicates, SiteGenesis has a small bug on the billing page. If a coupon is applied, the order totals are not updated and there's no indication on the page whether the coupon was applied or not. The data is only updated if the page is refreshed.

## 5. Building Client Resources

After making changes to the base SiteGenesis files, you will need to rebuild client-side JS and CSS. This is typically done by running this from the top-level SiteGenesis directory.

```
$ npm run build
```

## 6. Upload Modified Cartridge

Use UX Studio (or VSCode with the Prophet extension) to upload the modified cartridge to your store. For details see the Upload Modified Cartridge section in the **Installation Guide for New Afterpay Users**.

## 7. Express Checkout Configuration

After installing the cartridge, the following new configuration options will be available in the **Business Manager**.

In the Business Manager, go to **Merchant Tools > Site Preferences > Custom Preferences > Integration\_Afterpay**

Preference Name	Description	Default
apEnableExpressCheckout	Enables the Express Checkout feature.	Yes
apExpressCheckoutJS	URL for the Javascript snippet used to launch the Express Checkout popup window	<a href="https://portal.sandbox.afterpay.com/afterpay.js?merchant_key=demo">https://portal.sandbox.afterpay.com/afterpay.js?merchant_key=demo</a>
apEnableExpressCheckoutBuyNow	Enables the BuyNow mode. Skips review page on merchant checkout.	Yes
apExpressCheckoutShippingStrategy	Select either Integrated Shipping (Afterpay Checkout prompts for shipping method), or deferred (merchant site handles shipping method selection)	Integrated
apStorePickupDescription	prompt to use in Afterpay Express Checkout for in-store pickup orders	Available for next-day pickup
apEnableExpressCheckoutPdp	enable Express Checkout directly from the product detail page	No

By default, Express Checkout will be enabled, Integrated Shipping will be enabled, and the BuyNow option will be enabled. Make sure to change these settings to the ones you wish to use on your site.

# Testing

## Sandbox Customer Accounts

Please consult Afterpay's online documentation for testing the integration.

<https://developers.afterpay.com/afterpay-online/docs/test-environment>

Brief steps will be outlined below, but the online documentation will be more detailed and will be more up-to-date.

By default, the cartridge will point to a sandbox environment at Afterpay.

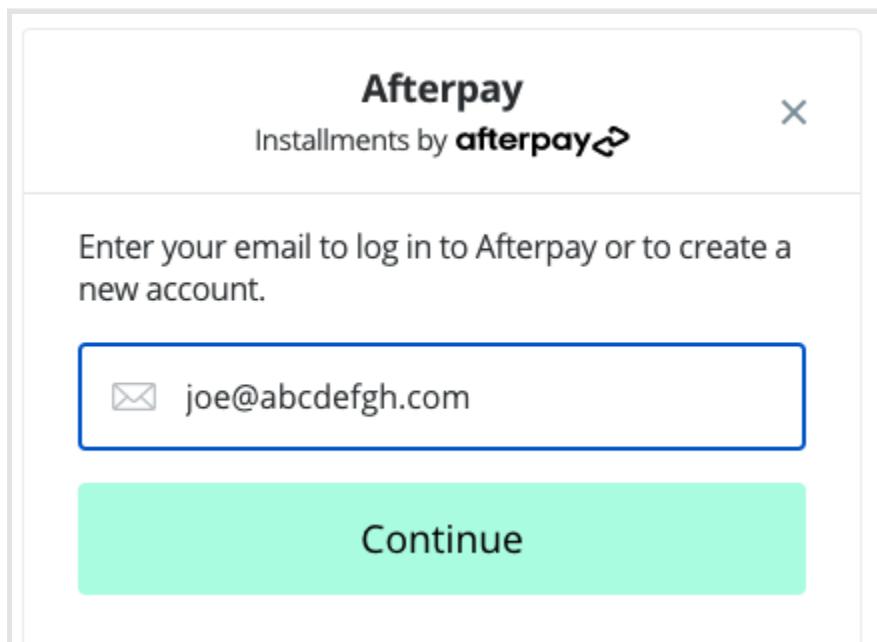
You can create pre-existing test customer (shopper) accounts in the Sandbox environment at <https://portal.sandbox.afterpay.com/us> or within your checkout redirect flow. Each Sandbox customer account requires a unique email address and unique phone number. Having a test customer will make it easier to test the checkout process.

Account Data	Unique	Description
First Name	No	A first name. Do not use 'null'
Last Name	No	A last name. Do not use 'null'
Email Address	Yes	Your email address
Phone Number	Yes	Unique 10-digit US phone #
Billing Address	No	A US address. Does not need to be unique.
SMS Verification Code	No	111111
Credit Card Number Expiry CCV	No	4111 1111 1111 1111 01/22 000

## Checkout Flow

Once the cartridge is installed and integrated based on the instructions, please try to place an order on your sandbox to test the functionality. Even if you've enabled Express Checkout, place a non-Express-Checkout order by putting items in the cart and proceeding to the checkout page before placing an order using Afterpay.

- After you click on Place order then you should be redirected to Afterpay Payment Page. If you are not registered then you will be asked to create an account



## Express Checkout Flow

If you've enabled Express Checkout, please try to place an order on your sandbox to test the functionality. Use the Express Checkout buttons on the cart page and verify that Afterpay's Express Checkout popup appears and proceed through the checkout.

## Features and Usage

### Afterpay Payment on Checkout

When the shopper selects the Afterpay payment method at checkout and clicks the **Place Order** button, they will be redirected to Afterpay servers to handle the payment. After the payment is complete, the shopper is redirected back to the confirmation or order review page on your store

FREE 2-DAY SHIPPING FOR ORDERS OVER \$300


commerce cloud

[NEW ARRIVALS](#)
[WOMENS](#)
[MENS](#)
[ELECTRONICS](#)
[TOP SELLERS](#)

STEP 1: Shipping > STEP 2: Billing > STEP 3: Place Order
Help? 800-555-0199

**SELECT OR ENTER BILLING ADDRESS • REQUIRED**

• First Name 
  
 • Last Name 
  
 • Address 1 
  
 Address 2 
APO/FPO
  
 • City 
  
 • ZIP Code 
  
 • Country 
  
 • State 
  
 • Phone 
Why is this required?
  
Example: 333-333-3333
  
 • Email 
  
 Please add me to Salesforce Commerce Cloud's email list. Salesforce Commerce Cloud does not share or sell personal info.
   
[See Privacy Policy](#)

**ORDER SUMMARY** [Edit](#)

*Belted Fit and Flare.*  
 Color Pansy  
 Size 4  
 Qty: 1 \$128.00

Subtotal	\$128.00
<a href="#">Edit Shipping</a>	\$7.99
Sales Tax	\$6.80
<b>Order Total: \$142.79</b>	

**SHIPPING ADDRESS** [Edit](#)

Joe User  
 123 Main St  
 San Francisco, CA 95040  
 United States

Method: Ground

**ENTER GIFT CERTIFICATE OR COUPON CODES**

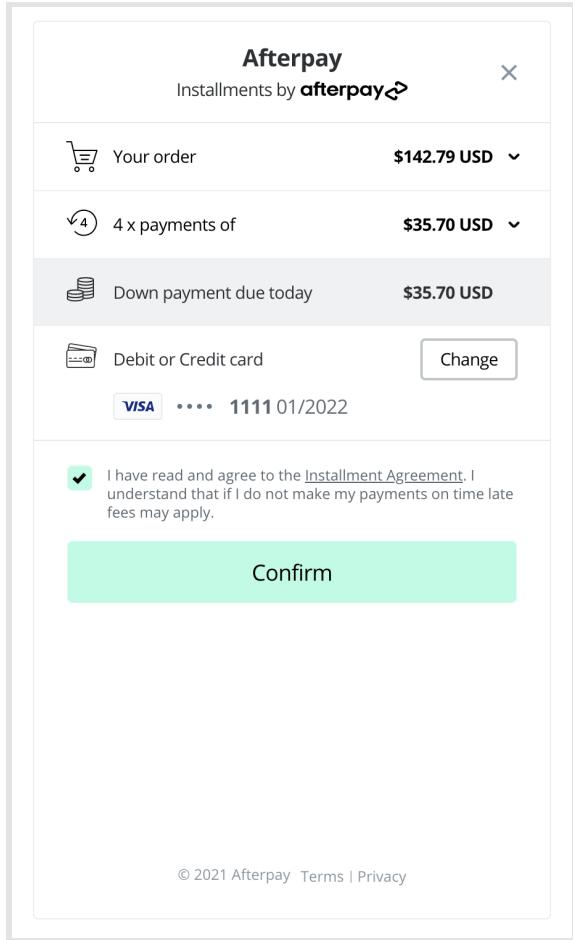
Enter coupon code  [Apply](#) [Help](#)

Redeem Gift Certificate   
  [Help](#)

**SELECT PAYMENT METHOD • REQUIRED**

Credit Card
  Pay Pal
   
 Bill Me Later

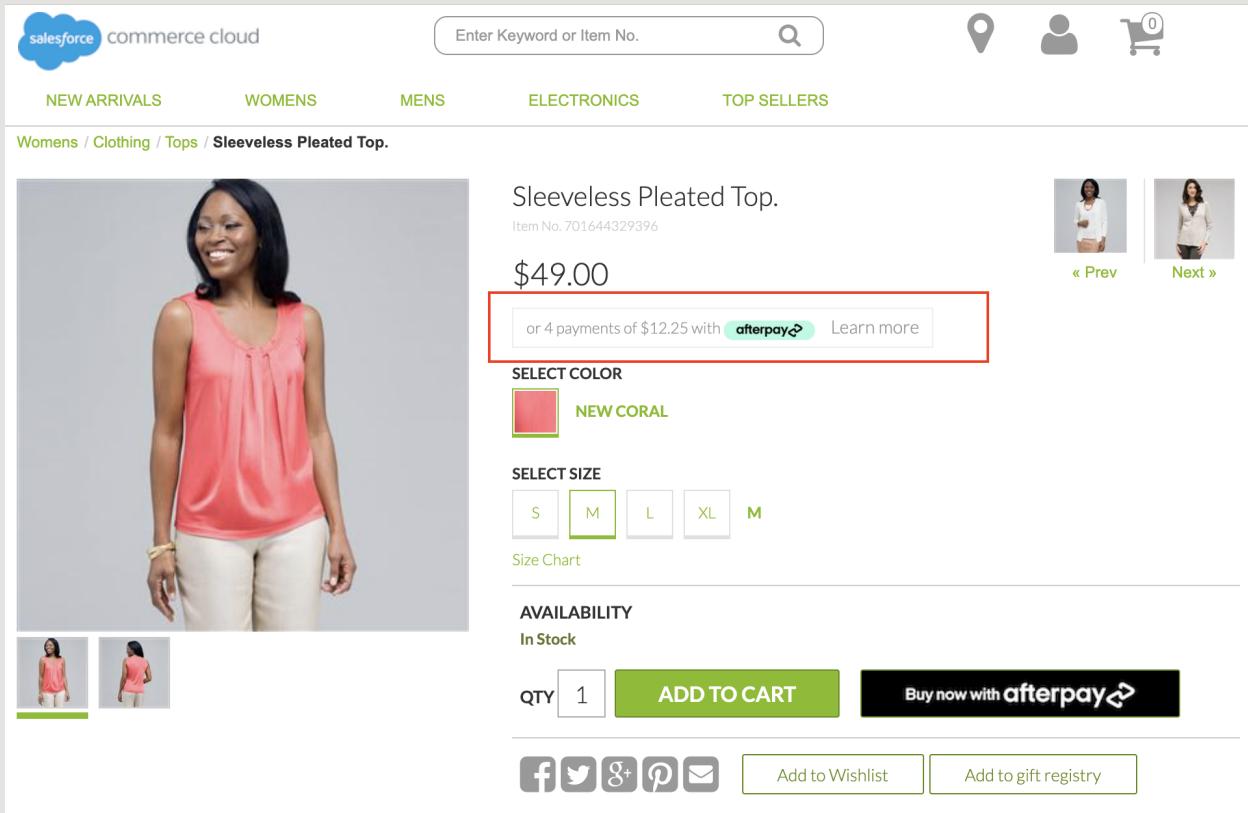
[CONTINUE TO PLACE ORDER >](#)



## Afterpay Product Messaging

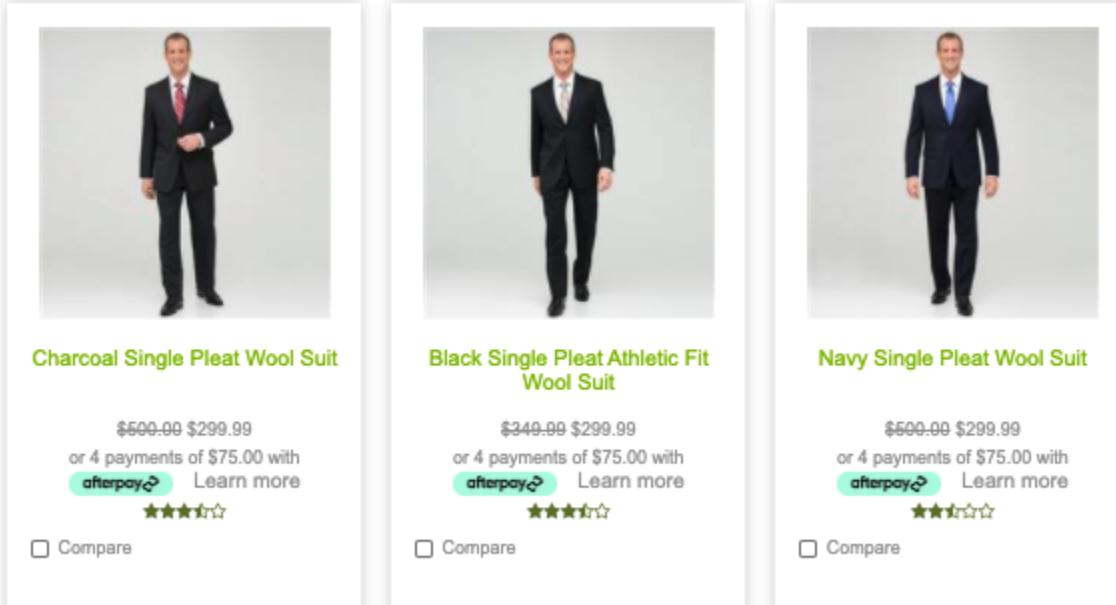
Afterpay adds messaging on various pages in the store.

Messaging on Product Details Page:



The screenshot shows a product page for a "Sleeveless Pleated Top" in "NEW CORAL". The top is displayed on a woman wearing white pants. The price is \$49.00, and there's an option to pay in 4 installments of \$12.25 with Afterpay. The page includes sections for selecting color (New Coral), size (S, M, L, XL, M selected), and availability (In Stock). Buttons for "ADD TO CART" and "Buy now with afterpay" are present. Social sharing icons for Facebook, Twitter, Google+, Pinterest, and Email are at the bottom.

Messaging on Product List Page:



The product list page displays three items:

- Charcoal Single Pleat Wool Suit**: \$500.00 \$299.99. Option to pay in 4 payments of \$75.00 with Afterpay. Rating: ★★★★☆. Compare button.
- Black Single Pleat Athletic Fit Wool Suit**: \$349.00 \$299.99. Option to pay in 4 payments of \$75.00 with Afterpay. Rating: ★★★★☆. Compare button.
- Navy Single Pleat Wool Suit**: \$500.00 \$299.99. Option to pay in 4 payments of \$75.00 with Afterpay. Rating: ★★★★☆. Compare button.

## Express Checkout

### Checkout from Cart Page

When the Express Checkout feature is enabled, new buttons will appear on the cart page.

The left screenshot shows a Salesforce Commerce Cloud cart page with two items: a 'Sleeveless Cowl Neck Top' and a 'Striped Silk Tie'. The total estimated amount is \$100.77. Two buttons are highlighted with red boxes: 'CHECKOUT' and 'Checkout with afterpay'.  
The right screenshot shows the Afterpay payment summary page for an order totaling \$104.97 USD. It displays the items, delivery information (4x payments of \$26.24 USD), and payment details (Down payment due today). It also includes sections for 'Delivery and payment' and 'Delivery options'.

When the shopper presses either of these buttons, it will launch Afterpay Express Checkout. A popup window will appear and depending on whether the shopper has preset default checkout settings with Afterpay, they will be prompted for payment information and a shipping address. Assuming the **integrated shipping** option has been selected by the merchant, Afterpay will call a webservice, in the background, on the merchant store to get available shipping options and pricing, and display that to the shopper in the same popup window. If the BuyNow option has been selected by the merchant, the shopper can simply click "Buy Now" and will be redirected back to the merchant site, where an order will be immediately created and payment auth or capture performed (see [API Docs for Payment Flows](#)).

## Checkout From Product Details Page

When the `apEnableExpressCheckoutPdp` setting is enabled, the product details page will display a “Buy now with Afterpay” button, whenever the item is eligible to be added to the cart and when the item is below the maximum threshold amount for Afterpay (typically \$2000 USD).

The screenshot shows a product page for a "Ruffle Front Blouse" on a Salesforce Commerce Cloud site. The page includes a main product image, color and size selection dropdowns, an "Add to Cart" button, and a "Buy now with afterpay" button which is highlighted with a red box. Below the main product, there's a "You Might Like" section featuring related products like "Straight Leg Pant" and "Evaluna".

Product details:

- Ruffle Front Blouse.**
- Item No. 701644388461
- \$74.00**
- or 4 payments of \$18.50 with **afterpay** Learn more
- SELECT COLOR**: PINK GEM COMBO
- SELECT SIZE**: S, M (selected), L, XL, M
- Size Chart**
- AVAILABILITY**: This item is currently not available.

Buttons and links:

- QTY
- ADD TO CART**
- Buy now with afterpay** (highlighted with a red box)
- Add to Wishlist**
- Add to gift registry**

Related products:

- Straight Leg Pant.** \$79.00 or 4 payments of \$19.75 with **afterpay** Learn more
- Evaluna** \$99.00 or 4 payments of \$24.75 with **afterpay** Learn more

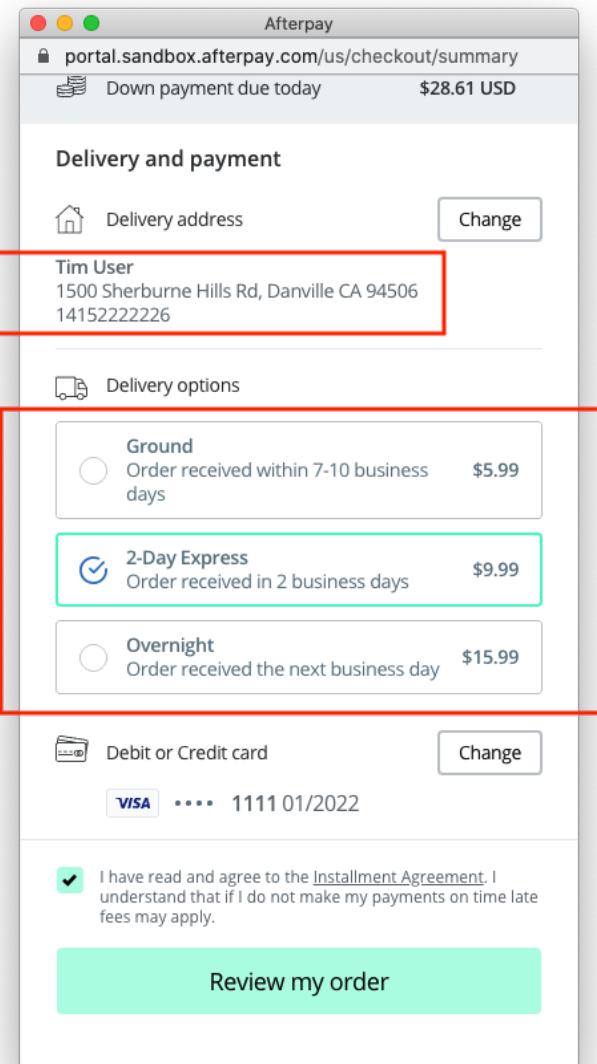
When this button is clicked, the current item and quantity will immediately be added to the cart, and Afterpay Express Checkout will start with all the cart contents.

## Integrated Shipping

This feature improves the user experience by integrating your shipping options directly into the Afterpay Express checkout. It streamlines the checkout process and can be combined with the BuyNow option to create a one-stop checkout.

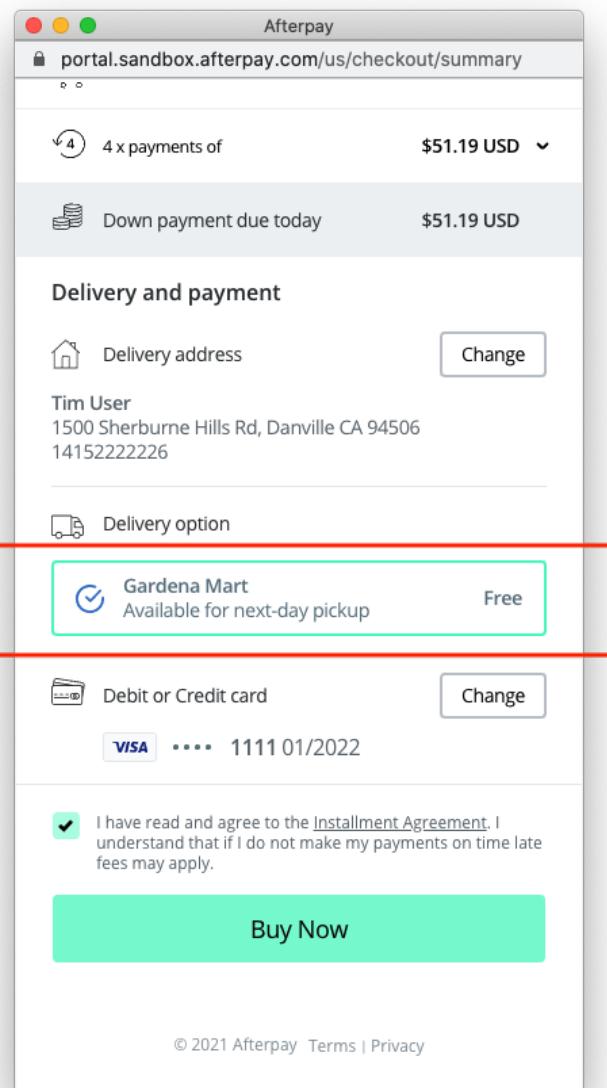
To enable Integrated Shipping, in **Business Manager**, make sure to set the custom preference **apExpressCheckoutShippingStrategy** to **integrated**.

During Afterpay Express Checkout, once the shopper's delivery address is known, and whenever the shopper changes their delivery address, the Afterpay popup will send a request to the merchant server to supply valid shipping options and costs for that address to the popup. The shopper makes the selection in the Afterpay popup, and the selected shipping option is passed back to the merchant site for order creation. This avoids the need for having the shopper make the shipping method selection on the merchant site.



## In-Store Pickup and Integrated Shipping

In-Store pickup is supported out of the box by **Integrated Shipping**. All items in the cart must be picked up from the same store, and there can not be a mix of in-store pickup items and home delivery items in the cart. When those conditions are met, when the Afterpay checkout button is pressed (**from the cart page only**), the store information is passed to Afterpay in the **Create Token** request and the shopper will be presented with an in-store pickup interface.



If the Afterpay checkout button is pressed from the product details page, the checkout will assume the order is for home delivery.

## Deferred Shipping

In order to handle shipping method selection on your site instead of via Afterpay's checkout popup window, please enable the **Deferred Shipping** feature. This allows you to use the Afterpay Express Checkout to simplify the shopper's checkout process, and quickly get the shopper's name, email and shipping address and skip

having to enter them in your checkout forms. After the shopper has gone through the Afterpay checkout process, they will be redirected back to the shipping page on your site to proceed with checkout.

The image contains two side-by-side screenshots of a web browser. The left screenshot shows the Afterpay checkout summary page, which displays the total amount (\$175.34 USD), the number of estimated payments (4 x \$43.84 USD), and the down payment due today (\$43.84 USD). It also shows the delivery address (Tim User, 1500 Sherburne Hills Rd, Danville CA 94506) and payment method (Debit or Credit card, VISA ending 01/2022). A checkbox for agreeing to the installment agreement is checked, and a 'Continue' button is visible at the bottom. The right screenshot shows the SiteGenesis Shipping Address page, which includes fields for First Name (Tim), Last Name (User), Address 1 (1500 Sherburne Hills Rd), Address 2 (empty), City (Danville), ZIP Code (94506), Country (United States), State (California), and Phone (4152222226). It also shows an ORDER SUMMARY with a Subtotal of \$65.99, Shipping Ground (\$5.99), Sales Tax (\$3.60), and an Order Total of \$75.58. The SHIPPING ADDRESS and BILLING ADDRESS sections are also visible, along with a PAYMENT METHOD section showing 'Afterpay Pay Over Time'.

To enable Integrated Shipping, in Business Manager, make sure to set the custom preference **apExpressCheckoutShippingStrategy** to **integrated**.

## BuyNow (Immediate capture) Feature

When the Express Checkout is complete, you may either capture payment immediately or continue the checkout on your site. If you are capturing immediately, set the **apEnableExpressCheckoutBuyNow** custom preference setting to **Yes** - this shows the user a "Buy Now" button at the end of their Afterpay checkout. Upon clicking, control is returned to your site for payment capture, and an order summary will be displayed.

**Afterpay Checkout Summary:**

- Delivery address: Tim User, 1500 Sherburne Hills Rd, Danville CA 94506, 1415222226
- Delivery options:
  - Ground: Order received within 7-10 business days (\$5.99)
  - 2-Day Express**: Order received in 2 business days (\$9.99)
  - Overnight: Order received the next business day (\$15.99)
- Payment method: Debit or Credit card (VISA \*\*\*\* 1111 01/2022)
- I have read and agree to the [Installment Agreement](#). I understand that if I do not make my payments on time late fees may apply.
- Buy Now button

**SiteGenesis Checkout Confirmation (Salesforce Commerce Cloud):**

Order Number: **00002416**

Order Placed: Mar 16, 2021

PAYMENT METHOD:  
Afterpay Pay Over Time  
Amount: \$75.58

BILLING ADDRESS:  
Tim User  
1500 Sherburne Hills Rd  
Danville, CA 94506  
United States  
Phone: 1415222226

PAYMENT TOTAL:  
**\$75.58**

Subtotal	\$65.99
Shipping Ground	\$5.99
Sales Tax	\$3.60
<b>Order Total:</b>	<b>\$75.58</b>

SHIPMENT NO. 1

SHIPPING STATUS:	Not Shipped
METHOD:	Ground
ITEM	Sleeveless Cowl Neck Top
ITEM NO.	701643571277
COLOR	White Multi
SIZE	M
QTY	1
PRICE	\$65.99

SHIPPING TO:  
Tim User  
1500 Sherburne Hills Rd  
Danville, CA 94506  
United States  
415222226

CREATE ACCOUNT

Creating an account is easy. Just fill out the form below and enjoy the benefits of being a registered customer.

\* First Name: Tim

\* Last Name: User

\* Email: tim@abcdef.com

\* Confirm Email:

\* Password:

8 - 255 characters  
\* Confirm Password:

Create Account

Return to Shopping

FOLLOW US: [in](#) [f](#) [t](#) [y](#)

ACCOUNT: My Account

CUSTOMER SERVICE: Contact Us

ABOUT: About Us

**Note:** The BuyNow feature only applies to the Integrated Shipping option. For Deferred Shipping control needs to return to your site for shipping method selection, so a BuyNow feature would not make sense.

## Afterpay Widget

The Afterpay Widget is not a new feature in and of itself, but is an essential component that needs to be placed on your site if the order value is going to change after the Afterpay Express checkout has finished. This will be the case unless the **Integrated Shipping** and **BuyNow** features are enabled.

It serves several purposes:

1. To ensure the user has seen and agreed to an accurate payment schedule.
2. To verify that the final amount captured matches what the user has seen.
3. To provide information to the merchant such as the first payment amount for display purposes.
4. To inform the merchant of any barriers to purchase, for instance the user having gone over their payment limit with Afterpay.

The Afterpay Widget will be displayed on the final checkout summary screen (for integrated shipping):

The screenshot shows a browser window for 'SiteGenesis Checkout | SiteGen' at 'zzgn-001.sandbox.us01.dx.commercecloud.salesforce.com'. The page displays a shopping cart with two items: 'Black Single Pleat Athletic Fit Wool Suit' and 'Sleeveless Cowl Neck Top'. The total order amount is \$401.07. A red box highlights the Afterpay payment method section, which shows four interest-free payments of \$100.27 due at different dates: Today, Mar 30, Apr 13, and Apr 27. Below this, there is a link to 'Place order with afterpay'.

Afterpay payment details:

- 1 Your 4 interest-free payments
- 1 \$100.27 Today
- 2 \$100.27 Mar 30
- 3 \$100.27 Apr 13
- 4 \$100.26 Apr 27

Down payment due today \$100.27

By clicking below and completing my order, I agree to Afterpay's terms and conditions

Place order with afterpay

It will also be displayed on the billing screen if the shopper has already been through the Afterpay checkout process and are now back on your site to complete the checkout (see Express Checkout Finalization Flow below). It is only displayed when Afterpay is the active payment instrument for the cart.

**FREE 2-Day SHIPPING FOR ORDERS OVER \$300**

commerce cloud Enter Keyword or Item No. 

NEW ARRIVALS WOMENS MENS ELECTRONICS TOP SELLERS

STEP 1: Shipping > STEP 2: Billing > STEP 3: Place Order **Help? 800-555-0199**

**SELECT OR ENTER BILLING ADDRESS • REQUIRED**

\* First Name  \* Last Name  \* Address 1  \* Address 2  APO/FPO  
 \* City  \* ZIP Code  \* Country  \* State   
 \* Phone  Example: 333-333-3333 \* Email   
 Please add me to Salesforce Commerce Cloud's email list. Salesforce Commerce Cloud does not share or sell personal info. [See Privacy Policy](#)

**ENTER GIFT CERTIFICATE OR COUPON CODES**

Enter coupon code  **Apply** Help

Redeem Gift Certificate  **Apply** **Check Balance** Help

**SELECT PAYMENT METHOD • REQUIRED**

  Credit Card  Pay Pal  Bill Me Later

**afterpay<sup>®</sup>**

④ Your 4 interest-free payments

1 	2 	3 	4 
\$100.27 Today	\$100.27 May 18	\$100.27 Jun 01	\$100.26 Jun 15

Down payment due today **\$100.27**

**Place order with afterpay<sup>®</sup>**

The **Place order with Afterpay** button will always be placed below the Afterpay Widget to insure that the shopper has seen the widget before placing the order.

## Express Checkout Finalization Flow (ECFF)

Unless you are using the **Integrated Shipping** feature with the **BuyNow** option, the shopper will be redirected back to your site after the Afterpay checkout. During this phase, in SiteGenesis, the shopper can still make arbitrary changes to their cart (e.g. add/remove items, apply coupons and gift certificates, change shipping address and methods, etc) . However, Afterpay's link cartridge will remember (using session state) that the user is currently in the Express Checkout Finalization Flow. This will affect the behavior of the Afterpay checkout buttons:

- When the “Checkout with Afterpay” button is clicked, instead of redirecting to Afterpay to checkout again and generate a new token, the button will take the shopper to the cart summary page, where the Afterpay Widget will be displayed, along with the “Place Order with Afterpay” button.

The screenshot shows a browser window for "SiteGenesis Checkout | SiteGe..." with the URL "zzgn-001.sandbox.us01.dx.commercecloud.salesforce.com/s/SiteGenesis/revieworder?lang=en\_US". The page displays a shopping cart with one item: "Sleeveless Cowl Neck Top" (Item No.: 701643571277, Color White Multi, Size M). The total price is \$65.99. To the right of the cart, there is an "ORDER SUMMARY" section showing Subtotal (\$65.99), Shipping 2-Day Express (\$9.99), Sales Tax (\$3.80), and an **Order Total: \$79.78**. Below this, there are sections for "SHIPPING ADDRESS" (Tim User, 1500 Sherburne Hills Rd, Danville, CA 94506, country:US, Method: 2-Day Express) and "BILLING ADDRESS" (Tim User, 1500 Sherburne Hills Rd, Danville, CA 94506, country:US). At the bottom left, the AfterpayWidget is displayed with four payment installments: \$19.95 Today, \$19.95 Mar 30, \$19.95 Apr 13, and \$19.93 Apr 27. A note says "Down payment due today" followed by the amount \$19.95. Below the AfterpayWidget is a link "By clicking below and completing my order, I agree to Afterpay's terms and conditions". A prominent black button at the bottom center says "Place order with afterpay". The footer has links for "FOLLOW US", "ACCOUNT", "CUSTOMER SERVICE", and "ABOUT".

- When the “Buy now with Afterpay” button is clicked on the product details page, the product will be added to the cart and the shopper will be directed to the summary page as well. The default shipping method used in the rest of the order will be used for the newly added product as well. The Afterpay Widget will display the total order amount, and upon clicking the “Place Order with Afterpay” button, the order will be created and payment will be captured.

### **Exiting from Express Checkout Finalization Flow:**

There are several conditions which will cause the shopper to exit from ECFF:

- If the user explicitly chooses another payment method on the billing page, and clicks submit, Afterpay will be removed as a payment method.
- If the user navigates to any page which normally contains an Afterpay Widget (the billing page and summary page), but does not have Afterpay set as a payment instrument for the cart, they will no longer be in ECFF.
- After the shopper clicks **Place Order with Afterpay**, regardless of whether the transaction was successful or not, they will no longer be in ECFF. The **Place Order with Afterpay** button will also fail if the user is not in “Express Checkout Finalization Flow”, but this should not happen unless the shopper opens multiple browser windows and clicks on the button in an old window when the session state has already changed.
- The user’s browser session expired

After exiting from the Express Checkout Finalization Flow, clicking on “Checkout with Afterpay”, or “Buy Now with Afterpay” buttons will start the Afterpay checkout process again.

## Express Checkout Behavior

### Order Fields

Orders created via Afterpay Express Checkout will look the same as non-Express Checkout orders, with the following exceptions:

- The Billing Address field will display the shipping address. Since Afterpay is handling the checkout, after the express checkout popup closes, the shipping address is returned from Afterpay and used to populate both the shipping address and billing address in the cart. Thus, when the order is created, it will be the shipping address unless the shopper has specifically modified the billing address before finalizing the transaction.
- **Afterpay Express Checkout** - will be true for express checkout orders
- **Afterpay Express Checkout Capture Checksum** - this is a checksum generated by the Afterpay Widget, and indicates the total amount and payment schedule the shopper was shown before placing the order

The screenshot shows the Salesforce SiteGenesis interface for viewing an order. The URL in the browser is [zzgn-001.sandbox.us01.dx.commercecloud.salesforce.com/on/demandware.store/Sites-Site/default/ViewOrder\\_52-Dispatch?...](https://zzgn-001.sandbox.us01.dx.commercecloud.salesforce.com/on/demandware.store/Sites-Site/default/ViewOrder_52-Dispatch?...). The page title is "Payment Information for Order '00002012'".

**Order Total:** \$230.98  
**Amount Paid:** \$0.00  
**Balance Due:** \$230.98

**Invoice Number:** 00048506  
**Payment Status:** Paid

**Payment Method:** AFTERPAY\_PBI  
Processor: AFTERPAY\_CREDIT  
Transaction: 100101399177  
Amount: \$230.98

**Billing Address:** Tim User  
1500 Sherburne Hills Rd  
Danville CA 94506  
US

Afterpay Authorise Status: APPROVED  
Afterpay Initial Status: SUCCESS  
Afterpay Order ID: 100101399177  
Afterpay Payment Mode: AUTHORITY  
Afterpay Token: 002.k7d0pov7pmvct6f30e8inagu8msc34uda99g4ktr9mj7e1  
Afterpay Auth Expiry: 2021-03-19T21:27:41.320Z  
Afterpay Payment Event ID: 1pfqOggmGhs0zfgwKzutSEQQXLM  
Afterpay Express Checkout: true  
Afterpay Express Checkout Capture Checksum: 54f7a46b28cf1e3d3795d925da29d374353314a834944eb3c25f7c27b568925

[Print Invoice](#)

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## Billing Page Address Changes During ECFF

On the Billing Page, if the billing address is changed right before the shopper clicks “Place order with Afterpay” (during ECFF), the changed data will be ignored since the form is not actually submitted to the server. This should be unimportant since Afterpay is handling the payment process and the billing address fields would typically be prepopulated with the shipping address.

**FREE 2-Day SHIPPING FOR ORDERS OVER \$300**

commerce cloud

NEW ARRIVALS WOMENS MENS ELECTRONICS TOP SELLERS

STEP 1: Shipping > STEP 2: Billing > STEP 3: Place Order [Help? 800-555-0199](#)

**SELECT OR ENTER BILLING ADDRESS • REQUIRED**

\* First Name

\* Last Name

\* Address 1  APO/FPO

Address 2

\* City

\* ZIP Code

\* Country  ▼

\* State  ▼

\* Phone  Why is this required?  
Example: 333-333-3333

\* Email

Please add me to Salesforce Commerce Cloud's email list. Salesforce Commerce Cloud does not share or sell personal info.

[See Privacy Policy](#)

**ENTER GIFT CERTIFICATE OR COUPON CODES**

Enter coupon code  Apply [Help](#)

Redeem Gift Certificate  Apply Check Balance [Help](#)

**SELECT PAYMENT METHOD • REQUIRED**

**afterpay**  Credit Card  Pay Pal  Bill Me Later

**afterpay**

4 Your 4 interest-free payments

<span style="border: 1px solid #5cb85c; border-radius: 50%; padding: 5px; display: inline-block;">1</span> <b>\$100.27</b> Today	<span style="border: 1px solid #5cb85c; border-radius: 50%; padding: 5px; display: inline-block;">2</span> <b>\$100.27</b> May 18	<span style="border: 1px solid #5cb85c; border-radius: 50%; padding: 5px; display: inline-block;">3</span> <b>\$100.27</b> Jun 01	<span style="border: 1px solid #5cb85c; border-radius: 50%; padding: 5px; display: inline-block;">4</span> <b>\$100.26</b> Jun 15
--	---	---	---

Down payment due today **\$100.27**

**Place order with afterpay**

Billing Address  
 changes ignored  
 when Place order  
 with Afterpay button  
 is clicked.

## Error Behavior

When there are payment-related errors, the shopper will be redirected back to the billing page and an error message will be displayed.

The screenshot shows a browser window for 'SiteGenesis Checkout | SiteGen' with the URL 'zzgn-001.sandbox.us01.dx.commercecloud.salesforce.com/s/SiteGenesis/billing?lang=en\_US&afterpay='.

The page title is 'FREE 2-DAY SHIPPING FOR ORDERS OVER \$300'. The header includes the 'salesforce commerce cloud' logo, a search bar, location, user, and cart icons.

The navigation menu has links for 'NEW ARRIVALS', 'WOMENS', 'MENS', 'ELECTRONICS', and 'TOP SELLERS'.

The breadcrumb navigation shows 'STEP 1: Shipping > STEP 2: Billing > STEP 3: Place Order'.

A red error message box contains the text 'Invalid session. Unable to confirm order.'

The 'SELECT OR ENTER BILLING ADDRESS \* REQUIRED' section contains fields for 'First Name' (Tim), 'Last Name' (User), 'Address 1' (1500 Sherburne Hills Rd), and 'Address 2' (empty). An 'APO/FPO' link is also present.

The 'ORDER SUMMARY' section lists two items:

- Trench Coat**  
Color Sand  
Size L  
Width Regular  
Qty: 1 \$180.00
- Sleeveless Cowl Neck Top**  
Color White Multi  
Size M  
Qty: 1 \$65.99

Below the summary, the 'Subtotal' is \$245.99 and the 'Edit Shipping Overnight' cost is \$21.99.

When there is a payment-related error, an order will generally already have been created by SFCC. This can occur in the following scenarios:

- Capture was declined
- Shopper modified the cart in the short period between when SFCC created the order, and before the payment capture via Afterpay.
- The merchant site was unable to communicate with Afterpay's payment servers

The order will have a "Failed" status in these cases, and the payment status will be "Not Paid".

Number	Order Date	Site	Created By	Registration Status	Customer	Email	Total	Status
00002011	3/12/21 8:59:26 pm Etc/UTC	SiteGenesis	Customer	Unregistered	Tim User	tim@abcdef.com	\$281.38	Failed
00002010	3/12/21 8:55:54 pm Etc/UTC	SiteGenesis	Customer	Unregistered	Tim User	tim@abcdef.com	\$209.99	Failed
00002009	3/12/21 8:54:36 pm Etc/UTC	SiteGenesis	Customer	Unregistered	Tim User	tim@abcdef.com	\$201.59	Failed
00002008	3/12/21 8:53:03 pm Etc/UTC	SiteGenesis	Customer	Unregistered	Tim User	tim@abcdef.com	\$275.08	Created
00002007	3/12/21 8:48:08 pm Etc/UTC	SiteGenesis	Customer	Unregistered	Tim User	tim@abcdef.com	\$388.49	Created

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Order Total: \$281.38  
Amount Paid: \$0.00  
Balance Due: \$281.38

Invoice Number:  
Payment Status: Not Paid

Payment Method: AFTERPAY\_PBI  
Processor:  
Transaction:  
Amount: \$281.38  
The payment processor is unknown. The payment data can't be displayed.  
Afterpay Initial Status: SUCCESS  
Afterpay Token: 002.dpetcprse9haobq5rvtkp6kjtnrm55ah20rosee5dsg5bb  
Afterpay Express Checkout: true  
Afterpay Express Checkout Capture Checksum: a04c0325e661ba7d6681a12289755769e0ad2a7fa3b0c4c68259b8e2982e6feb

[Print Invoice](#)

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## ECFF Behavior

Because the shopper can make arbitrary changes to their billing address and shipping address during ECFF, occasionally the shipping and billing address on-file at Afterpay may not match the information created in the order. However, this should not matter since you (the merchant), will always have the correct shipping address, and Afterpay will always have the correct billing address.

## Express Checkout Limitations

### No Multiple Shipping Destinations Prior to Afterpay Express Checkout

Express Checkout will only work when all items in the cart are set for **Home Delivery** OR all items in the cart are set for **In-Store Pickup** from the same store. If neither of these are true, and the shopper clicks the “Checkout with Afterpay” button, an error message will appear indicating that Afterpay is unavailable for the current cart.

The screenshot shows a shopping cart with three items:

PRODUCT	DELIVERY OPTIONS	QTY	PRICE	TOTAL
Zermick Item No.: 740357357562 Color: Black Size: 8 Width: M Edit Details	Home Delivery	1	\$99.00	\$99.00
Microcheck Straight Leg Trousers Item No.: 883360352022 Color: Black Size: 29 Edit Details	<input type="radio"/> Home Delivery <input checked="" type="radio"/> In Store Pickup 239 Bridge St Manchester, NH 03104 In Stock Select Store	1	\$195.00	\$195.00
Microcheck Straight Leg Trousers Item No.: 883360352220 Color: Navy Size: 29 Edit Details	<input type="radio"/> Home Delivery <input checked="" type="radio"/> In Store Pickup 239 Bridge St Manchester, NH 03104 In Stock Select Store	1	\$195.00	\$195.00

At the bottom of the page, there is a 'Checkout with afterpay' button.

An error message box is displayed, stating: "...1.sandbox.us01.dx.commercecloud.salesforce.com says Afterpay Express Checkout unavailable for your cart (multiple destinations). Please proceed through normal checkout."

Afterpay checkout buttons will not appear on SiteGenesis multiship pages:

The screenshot shows a SiteGenesis multiship page on a commerce cloud site. The top navigation bar includes links for NEW ARRIVALS, WOMENS, MENS, ELECTRONICS, and TOP SELLERS. A search bar and a shopping cart icon (containing 2 items) are also present. The main content area displays two items in the cart:

PRODUCT	QUANTITY	SHIPPING LOCATION
<b>Trench Coat</b> Price: \$180.00 or 4 payments of \$45.00 with <b>afterpay</b> Learn more Color Sand Size XL Width Regular Item No.: 095068990509	1	Tim User, 1500 Sherburne Hills Rd, E <a href="#">Add/Edit Address</a>
<b>Flat Front Slim Pant</b> Price: \$73.99 or 4 payments of \$18.50 with <b>afterpay</b> Learn more Color Laurel Size 8 Item No.: 701642884439	1	Select an Address <a href="#">Add/Edit Address</a>

To the right of the cart, there is an ORDER SUMMARY section listing the items and their details, along with shipping and tax information. Below the cart, there are sections for SHIPPING ADDRESS and BILLING ADDRESS, both listing the same shipping information.

**CONTINUE TO SHIPPING METHODS >**

The shopper can still pay with Afterpay using the standard checkout process (selecting Afterpay on the billing page), but will not be able to use express checkout features.

Even though the shopper will not be able to use Express Checkout in these instances, the exception is if they've already gone through the Afterpay Express Checkout, and are now in the ECFF on your site. They will be able to add items to cart, ship to multiple locations, and/or pick up from multiple stores. The order can still be created and payment captured once they click on the "Pay now with

Afterpay" button. At this point, since Afterpay is only capturing payment, the shipping limitations no longer matter.

## Billing Address is not Passed to Merchant

If a shopper uses Afterpay Express Checkout, the billing address is typically not passed back to your site from Afterpay. In non-BuyNow checkout flows, the billing address will instead be populated with the shipping address.

## Other Limitations

- Currently, there is no support for a "Buy Now with Afterpay" from a wishlist page.
- Currently, there is no support for a "Buy Now with Afterpay" button on a product bundle page.
- For in-store pickup orders, Afterpay Express checkout does not support adding a message to the store. If finalization happens at the merchant site, the shopper could go back to the shipping screen and add the message.

## Express Checkout Implementation Details

### Overview

Particularly for sites that have made substantive changes to the base SiteGenesis store, we've provided some details on how certain features were implemented. This would make it easier to understand how your site's customizations may potentially require some modifications to Afterpay's cartridge to work properly.

### Checkout Button Behavior during ECFF

In the isml templates, buttons which behave differently during ECFF will have an <isif condition="\${isExpressCheckoutFinalize}"> to control the button behavior. In **app\_storefront\_core/cartridge/templates/default/checkout/cart/cart.isml**, during ECFF, a button will be displayed that upon clicking, will run the "AfterpayExpress-ContinueFinalize" endpoint. This is a endpoint that will navigate to the cart summary page. When not in ECFF, the button has the

(id="afterpay-express-button"), which has been set as the target for launching the Afterpay Express Checkout popup.

```
<iscomment>Start of Afterpay Express</iscomment>
<isif condition="${afterpayExpressCheckoutEnabled && !disableAfterpayPaymentMethod}">
<div>
    <isif condition="${isExpressCheckoutFinalize}">
        <a href="${URLUtils.url('AfterpayExpress-ContinueFinalize')}">
            <input type="button" class="button-fancy-large afterpay-checkout-button" id="afterpay-continue-button" />
        </a>
    <iselse/>
        <input type="button" class="button-fancy-large afterpay-checkout-button" id="afterpay-express-button" data-afterpay-entry-point="cart" />
    </isifs>
</div>
</isif>
<iscomment>End of Afterpay Express</iscomment>
```

If your site is designed in such a way that ECFF wouldn't make sense and you'd prefer the user go through Express Checkout again whenever they click the "Checkout with Afterpay" or "Buy now with Afterpay" buttons, this is behavior that's easily changeable in the template.

## Checkout Buttons on Product Details Page

The product details template

([app\\_storefront\\_core/cartridge/templates/default/product/productcontent.isml](#)), contains this section:

```
223
224
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226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
    <iscomment>Start of Afterpay</iscomment>
    <isafterpayexpresscheckout pagetype="product_detail"/>
    <isif condition="${afterpayExpressCheckoutPdpEnabled}">
        <script type="text/javascript">
            var continueFinalize = function() {
                var finurl = $('#afterpayurl-continuefinalize').val() + "?cartAction=add&pid=" + $('#pid').val() + "&Quant"
                window.location.href = finurl;
            }
            $(document).ajaxComplete(function() {
                if (document.querySelector("#afterpay-express-link-button")) {
                    initAfterpay({pickupflag: false, target: "#afterpay-express-link-button", productIdSelector: "#pid", p
                }
            });
            $(document).ready(function() {
                if (document.querySelector("#afterpay-express-link-button")) {
                    initAfterpay({pickupflag: false, target: "#afterpay-express-link-button", productIdSelector: "#pid", p
                }
            });
        </script>
    </isif>
<iscomment>End of Afterpay</iscomment>
```

The client-side Javascript is required since the "Buy Now with Afterpay" button is located in a section of the page which is dynamically generated via an ajax call. Thus we need both event handlers to make sure that when the button is loaded, initAfterpay() will be called, which sets the onclick handler on that button.

initAfterpay() takes an object as input which contains settings to control the Express Checkout behavior. For the product details page, we need to pass in a productIdSelector, which is a css selector for the <input> element containing the pid of the product to buy, and a productQuantitySelector, which is a css selector for the quantity. When these are passed in, the Express Checkout will first add the item to the cart before the normal checkout process.

## Client-side Javascript on cart checkout page

In SiteGenesis, there is a radio button which can be used to toggle between in-store pickup and home delivery when those choices are both available for a product. Since the toggle only does an ajax call and does not cause a full page reload, the express checkout button will need to know when the in-store pickup vs home delivery state has potentially changed. In order for the express checkout popup to correctly detect that state, we currently have a javascript snippet on the page to detect the radio button click, and quickly do an ajax call to the merchant site to determine whether the checkout qualifies for in-store pickup.

In [app\\_storefront\\_core/cartridge/templates/default/checkout/cart/cart.isml](#):

```
13 |     <script type="text/javascript">
14 |     document.addEventListener("DOMContentLoaded", function() {
15 |         console.log("afterpay express js loaded");
16 |         initAfterpay({pickupFlag: $('#afterpay-express-storepickup').val() === "true"});
17 |         initializeDeliveryOptionChangeListener();
18 |     });
19 |     </script>
```

In [cartridges/int\\_afterpay\\_core/cartridge/static/default/js/afterpayExpress.js](#):

```
142 /**
143 * Listens for changes in the home delivery vs in-store pickup radio button toggle.
144 * Once any toggle happens, we want to wait for the "loading" widget to disappear
145 * and then call reinitializeAfterpayPopup().
146 *
147 * The "loading" is controlled by the existence of the "loading" class on
148 * .item-delivery-options, so wait for that to disappear.
149 */
150 function initializeDeliveryOptionChangeListener() {
151     let elements = document.querySelectorAll(".delivery-option");
152     for (var i = 0; i < elements.length; i++) {
153         elements[i].addEventListener("change", function() {
154             let loadingElement = document.querySelector(".item-delivery-options");
155             let observer = new MutationObserver(function(entries) {
156                 if (!document.querySelector(".item-delivery-options.loading")) {
157                     reinitializeAfterpayPopup();
158                     observer.disconnect();
159                 }
160             });
161             observer.observe(loadingElement, {attributeFilter: ['class']});
162         });
163     }
164 }
```

On your site, if there are similar actions which may affect cart-eligibility for in-store pickups which do not cause a page reload, you may need to call `reinitializeAfterpayPopup()` as well.

## Client-Side Javascript on Billing Page

There is some client-side Javascript on the **Billing Page** which is used to toggle between the “Place order with Afterpay” button, and the default “Continue to Place Order” button. During Express Checkout Finalization Flow, if Afterpay is still the payment method, we display the “Place order with Afterpay” button (and display the Afterpay Widget).

In

[app\\_storefront\\_core/cartridge/templates/default/checkout/billing/paymentmethods.isml](#):

```
<iscomment>
Disable the Continue to Place Order button during Afterpay Express Checkout if
Afterpay is selected as the payment option. The Afterpay button will be shown instead.
</iscomment>
<script type="text/javascript">
/**
 * If the Afterpay placeorder button is on screen, hide the original button
 */
function makeSwitchAfterpayPlaceOrderButton() {
    var element = document.querySelector('.afterpay-placeorder-button');
    if (window.IntersectionObserver) {
        var observer = new IntersectionObserver(function(entries) {
            let elem = document.querySelector("#dwfrm_billing > div.form-row-button");
            if (!elem) { return; }
            if (entries[0].intersectionRatio) {
                elem.classList.add("afterpay-hidden");
            } else {
                elem.classList.remove("afterpay-hidden");
            }
        }, {
            root: document.body
        });
        observer.observe(element);
    }
}

document.addEventListener("DOMContentLoaded", function() {
    createAfterpayWidget();
    makeSwitchAfterpayPlaceOrderButton();
    let elem = document.getElementById('afterpay-express-placeorder-button');
    elem.addEventListener('click', function() {
        let finalizeUrl = document.getElementById('afterpay-express-url-placeorder').value;
        window.location.href=finalizeUrl+'?checksum='+afterpayWidget.paymentScheduleChecksum;
    });
});
</script>
```

Whenever the Afterpay button (selector **.afterpay-placeorder-button**) appears on the screen, the default button (with selector **#dwfrm\_billing > div.form-row-button**) will be hidden.

If you've made modifications to the billing page, please keep this in mind as you may need to customize the behavior to fit your site.

# Operations / Maintenance

## Data Storage

Some additional custom attributes are stored against system objects. The following table lists these attributes and their uses, other than Site Preferences (which are listed under section 3.3.2).

Object	Attribute	Type	Description
OrganizationPreferences	flowIPAddresses (flowIPAddresses)	Text	IP addresses
Order	Afterpay Payment Method (apisAfterpayOrder)	Boolean	Flags the order as an Afterpay order
PaymentTransaction	Afterpay Token (aToken)	String	The token used to place order in Afterpay
PaymentTransaction	Afterpay Initial Status (apiInitialStatus)	String	The pre-approval status first returned
PaymentTransaction	Afterpay Payment Mode (apPaymentMode)	String	The payment mode used PaymentTransaction
PaymentTransaction	Afterpay Direct Payment (apDirectPayment Status)	String	The status of Direct Payment, if this payment mode is used
PaymentTransaction	Afterpay Authorise Status (apAuthoriseStatus )	String	The status of Authorise, if this payment mode is used
PaymentTransaction	Afterpay Order ID (apPaymentID)	String	The Payment ID generated by Afterpay
PaymentTransaction	Afterpay Refund ID (apRefundID)	String	Refund ID
PaymentTransaction	Auth Expiry (apAuthExpiry)	String	The time the Afterpay Order Auth Expires
PaymentTransaction	Payment Event ID (apPaymentEventID )	String	The unique ID for the Afterpay Auth event
PaymentTransaction	Afterpay Express Checkout	Boolean	Flags the order as an express checkout order

	(apExpressCheckout)		
PaymentTransaction	Afterpay Express Checkout Checksum (apExpressCheckout Checksum)	String	Checksum from the Afterpay Widget displayed before the order was created.

## Availability

If the Afterpay service is unavailable, the shopper will not be able to checkout using this payment method.

The service availability can be tracked in SFCC using **Administration > Operations > Service Status**.

## Support

For support, please contact your Afterpay account contact.

## Release History

Version	Date	Changes
21.1.0	30 Apr 2021	Express Checkout, V2 API
20.1.0	10 Jan 2020	No changes
18.3	07 May 2018	Controller version
18.3	03 Sep 2016	Initial release