



# PayPal Integration Guide

FOR SALESFORCE COMMERCE CLOUD



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# 1 Summary

This Implementation Guide describes how to integrate `paypal_credit_financing_options` version 20.1.0 into Commerce Cloud reference application Store Front Reference Architecture (SFRA) and `int_paypal` version 20.1.0

The `paypal_credit_financing_options` includes:

- Credit Financing Options
- PayPal Marketing Solutions

For more information, contact your PayPal support manager.

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# 2 Component Overview

## 2.1 Credit Financing Options

The financing calculator is only available for UK-based PayPal merchants. Please reach out to Braintree/PayPal support to enable this feature for your account and get further details.

PayPal UK merchants can use this feature to present financing options, such as installment, same-as-cash, and no-interest options, to buyers paying for goods or services.

For more details check [Credit Financing Options Integration Guide](#)

## 2.2 PayPal Marketing Solutions

Get powerful marketing tools designed to help increase your sales. Your PayPal Business account now includes unique shopper insights and customizable incentives from PayPal for your website, at no extra cost.

For more information visit <https://www.paypal.com/marketingsolutions>.

# 3 Implementation Guide

## 3.1 Overview

`paypal_credit_financing_options` requires `int_paypal` cartridge version 20.1.0 to work properly.

## 3.2 Installation

### 3.2.1 Import metadata file

1. Upload and import `paypal-credit-financial-options.xml` from the metadata folder. To do so, go to **Business Manager > Administration > Site Development > Import & Export**. Click on **Upload** and add `paypal_credit_financing_options.xml` file from meta folder in your local file system.
2. Import file from **Import & Export** menu. Click on import in Meta Data section and choose `paypal-credit-financial-options.xml` from the list.

Administration > Site Development > Import & Export

### Import & Export

The screenshot shows the 'Import & Export' page with three main sections:

- Meta Data:** Contains a red box around the 'Import' button and a note: 'Import and export your system meta data (i.e., system type extensions, custom object types, custom preference definitions)'. It has 'Import' and 'Export' buttons.
- Geolocations:** Contains an 'Import' button.
- Import & Export Files:** Contains a red box around the 'Upload' button and a note: 'Upload and download your import and export files'. It has 'Upload' and 'Download' buttons.

Figure 1. Metadata sections in Import & Export

### 3.2.2 Add cartridge to cartridge path

Add `paypal_credit_financing_options` into the cartridge path of a target site. To do so, go to **Business Manager > Administration > Sites > Manage Sites > Your Target Site > Settings** and insert `int_paypal` before your cartridges record, as shown in Figure 2.

The screenshot shows the 'Site Settings' page under 'Manage Sites'. The 'Effective Cartridge Path' field contains the following path:  
int\_paypalplugin\_financial:int\_paypal:app\_storefront\_base  
int\_paypalplugin\_financial  
int\_paypal  
app\_storefront\_base  
plugin\_apple\_pay  
plugin\_facebook  
plugin\_pinterest\_commerce  
plugin\_web\_payments  
bc\_content  
core

A red box highlights the first part of the path: "int\_paypalplugin\_financial:int\_paypal:app\_storefront\_base".

Figure 2. Storefront cartridge path

### 3.2.3 Enable Custom cache

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

One custom cache object used by the integration

1. paypalCreditFinancingOptions - custom site preferences cached. Out of the box, the integration supports single site usage and custom preferences are cached. For multiple sites we recommend customizing cache logic in the cartridge.

**NOTE:** Custom Cache could be disabled for developing or testing purposes. But we don't recommend disabling it on production and staging to avoid performance issue and http calls quota violation.

## 3.3 Configuration

### 3.3.1 Updating Cartridge Custom Site Preferences

Go to **Business Manager > Merchant Tools > Site Preferences > Custom Site Preferences**. You'll see new Custom Site Preference Group called PayPal Credit Financing Options and Marketing Solution (Figure 3)

ID	Name	Description	Preferences	View Across Sites
Storefront Configs	Storefront Configurations		14	<a href="#">View</a>
Paypal_Branding	PayPal Branding (NVP)		9	<a href="#">View</a>
Paypal_Express_Checkout	PayPal Express Checkout (NVP)		15	<a href="#">View</a>
Paypal_Checkout	Paypal Configuration		6	<a href="#">View</a>
Paypal_Credit_Messaging	Paypal Credit Messaging		3	<a href="#">View</a>
Paypal_Credit_Financial_O...	PayPal Credit Financing Options and Marketing Solution		4	<a href="#">View</a>

*Figure 3. PayPal Credit Financial Options Configuration Custom Site Preferences*

Click **View** for PayPal Credit Financial Options. Detailed description about each option is available under preference name on the page.

List of preferences:

- Enable PayPal UK Credit Financial Options Banners - show/hide Financial banners and options.
- Merchant Publisher ID - Merchant Id for credit banners
- Campaign ID for PayPal credit banner - Allow to bind credit banner visibility to existed promotion campaign in business manager.
- PayPal Marketing Solutions ID - Id for Marketing Solution initializing. You can find detailed guide about how to get ID [here](#)

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## 4 Operation and Maintenance

### 4.1 Testing

You must obtain your own test account on the [PayPal Developer Portal](#). If you can't create your own PayPal Sandbox account, contact PayPal support.

### 4.2 Logs

Cartridge uses `int_paypal` mechanism for logging errors.

### 4.3 SFRA core templates overlay list

The following templates from `app_storefront_base` cartridges been overlay by `int_paypalplugin_financial`

`cart/cart.isml`

`common/scripts.isml`

`home/homePage.isml`

`product/components/descriptionAndDetails.isml`

`product/productTile.isml`

`product/setDetails.isml`

`search/searchResults.isml`

Templates are up to date with SFRA 4.4.1

### 4.4 Support

To get help and support from PayPal:

- **PayPal Business support** – Go to PayPal's [Contact Us](#) and log in to your PayPal account.
- **Technical Support** – Go to the [Merchant Technical Support Help Center](#).

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## 5 Examples

### 5.1 Financing Options API (Installment Calculator -UK merchants only)

To display financial options enable **Enable PayPal UK Credit Financial Options Banners** custom preference.

Financial option will be present at

- Category page - Figure 4
- Product detail page - Figure 5
- Cart page - Figure 6

Displayed options will depend on configuration done at PayPal side.

## 5.2 Marketing solution

Set the PayPal Marketing Solutions ID configuration field in Merchant Tools > Site Preferences > Custom Site Preferences > PayPal Credit Financial Options Configuration - > PayPal Marketing Solutions ID

The PayPal Marketing Solutions ID can be retrieved by visiting [this link](#) and clicking Other. It is posted in the URL or in the code snippet as shown in the following figures: Figure 7 and Figure 8.

One Touch Banner will be located at the bottom (Figure 9) or at the side of a page, depends on configuration.

[Reset](#)

## Category

- Electronics
- Televisions
- Flat Screen
- Projection



## Price

- \$100 - \$499.99
- \$500 - \$999.99
- \$1,000 - \$1,499.99
- \$1,500 - \$1,999.99
- \$2,000 - \$2,499.99
- \$2,500 - \$4,999.99
- \$5,000 - \$9,999.99
- \$10,000 - \$14,999.99

Samsung Series 7 67" LED DLP® High Definition Television

**\$2,099.99**

From \$97.66 per month

★★★★★



Sanyo 50" LCD High Definition Television

**\$2,996.25**

From \$139.34 per month

★★★★★

Sony Bravia® V-Series 42" LCD High Definition Television

**\$1,000.00**

From \$46.50 per month

★★★★★

## Brand

- Mitsubishi
- Pioneer
- Samsung
- Sanyo
- Sony
- Vizio

Vizio VO37L 37" LCD High Definition Television

**\$699.99**

From \$32.56 per month

★★★★★



Samsung Series 9 55" LCD High Definition Television

**\$2,624.99**

From \$122.08 per month

★★★★★

Pioneer 50" KURO Plasma High Definition Television

**\$2,999.99**

From \$139.52 per month

★★★★★

## Size

- 11 inches
- 19 inches
- 22 inches
- 26 inches
- 32 inches
- 37 inches
- 40 inches
- 42 inches
- 46 inches
- 47 inches
- 50 inches
- 52 inches
- 55 inches
- 60 inches
- 61 inches

Sony OLED 11" High Definition Television

**\$199.99**

From \$9.30 per month

★★★★★



Mitsubishi Diamond Series 52" LCD High Definition Television

**\$1,999.99**

From \$93.01 per month

★★★★★

Sony Bravia® W-Series 40" LCD High Definition Television

**\$1,499.99 - \$1,199.99**

From \$55.81 per month

★★★★★



Figure 4 Financial Options at category page



Electronics / Televisions / Projection

## Samsung Series 7 67" LED DLP® High Definition Television

Item No. samsung-hl67a750M



TV Type: DLP  
Size: 67 inches  
TV Signal Format: 1080p  
Resolution: 1920 x 1080

Quantity

Extended Warranty

Availability: In Stock

**\$2,099.99**

Add to Cart



Estimate your monthly instalment offer

6 months    12 months    18 months    **24 months**

Monthly Payment: \$97.66

Instalment Rate: 9.99% p.a. (fixed)

Cost of purchase: \$2,099.99

Total inc. interest: \$2,343.04

[More information](#)

If you are approved for a credit limit with PayPal Credit and use it for future purchases, the APR for those purchases won't be more than 17.9% and may be even lower.

Representative Example:

Purchase Rate: 17.9% p.a. (variable)

Representative: 17.9% APR (variable)

Assumed Credit Limit: \$2,099.99

Subject to status. Terms and Conditions apply.

**Merchant name as on FCA register** acts as a broker and offers credit solely from PayPal (Europe) S.à r.l. et Cie, S.C.A. 22-24 Boulevard Royal, L-2449, Luxembourg

Figure 5 Financial Options at product detail page

# Your Cart

[Continue Shopping](#)

1 Items

Need Help? Call 1-800-555-0199

Samsung Series 7 67" LED DLP® High Definition Television				
Extended Warranty: None	Each	Quantity	Total	X
In Stock	\$2,099.99	1	\$2,099.99	
<a href="#">Edit</a>				



From \$104.55 per month with  
instalment offers. [Click for details](#)

Enter Promo Code

[Submit](#)

Shipping

 Ground ( 7-10 Business Days )

Shipping cost \$40.99

Sales Tax \$107.05

Estimated Total \$2,248.03

[PayPal Checkout](#) Debit or Credit Card

Powered by

[Checkout](#)

Figure 6 Financial Options at cart page

<https://www.paypal.com/tagmanager/select-platform?entry=website&ccid=6cf94201-4f9b-11e8-8146-c5fec5b45f46>

The screenshot shows the "Install and activate PayPal Marketing Solutions" page. It asks to select the ecommerce platform used. Four options are listed: BigCommerce (with a logo), Shopify (with a logo), Magento 1 (with a logo), and Magento 2 (with a logo). A red box highlights the URL in the browser's address bar.

Figure 7 Marketing ID view

Summary Money Activity Reports Tools More Help

Back Installation instructions

Follow these steps to add PayPal Marketing Solutions to your website.

Need help?

```
<!-- PayPal BEGIN --> <script> ;(function(a,t,o,m,s){a[m]=a[m]||[];a[m].push({t:n(o),d:m=='paypalDDL'?&m='';e.async=!0;e.src='https://www.paypal.com/tagm paypalDDL','6cf94201-4f9b-11e8-8146-c5fec5b45f46'});</script> <!-- PayPal EN
```

Figure 8 Marketing ID view

FREE 2-DAY SHIPPING FOR ORDERS OVER \$300

Login salesforce commerce cloud Search (keywords,etc)

New Arrivals Womens Mens Electronics

Casual To Dressy Trousers

Item No. 42416786-2M ★★★★☆

Select Color Select Size Quantity

Select Size 1

Availability: Select Styles for Availability

\$195.00 Add to Cart

Add to Wishlist Pinterest Instagram Facebook Twitter

Description

Not your typical trousers, these straight leg pants are the perfect casual-to-dressy building block. Pair with a tee or a refined button-down. Made in our stretch cotton twill fabric.

Details

- 97% cotton, 3% lycra
- clean 5-pocket denim
- st
- b

**PayPal** Fast checkout with PayPal Now easier and faster with One Touch™

Figure 9 One Touch Banner

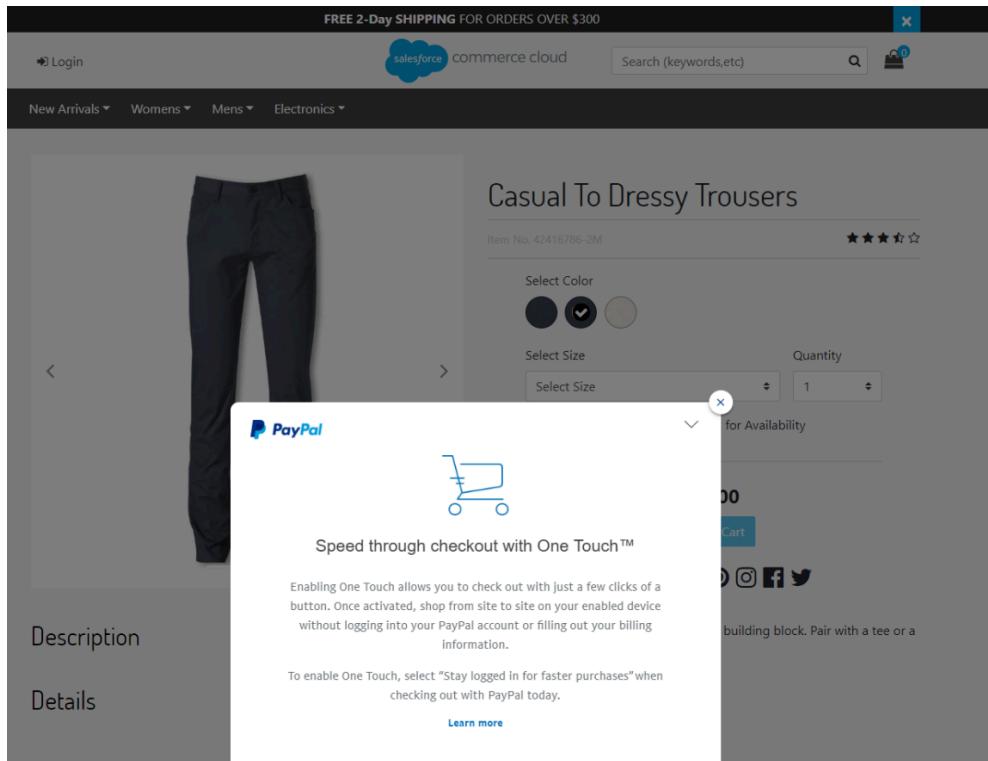


Figure 10 One Touch Banner (expanded)

## 6 Version and Support Info

### 6.1 JavaScript Files and Cartridge Version Location

The JavaScript files to be added to your page are located at:

```
int_paypalplugin_financial/cartridge/templates/default/paypalCreditFinancingOptions/allOptionsBanner.isml  
cartridges/int_paypalplugin_financial/cartridge/templates/default/search/searchResults.isml
```

The file with the current version of the PayPal cartridge is located at:

```
int_paypalplugin_financial/cartridge/templates/resources/paypal_financial_version.properties
```

The file with the current version of the SFRA cartridge is located at:

```
app_storefront_base/cartridge/templates/resources/version.properties
```

### 6.2 SFRA Version Support

PayPal Financial cartridge version 20.1.0 supports SFRA 4.4.1 only.

### 6.3 Compatibility Mode

Cartridge tested with Compatibility Mode 18.10

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## 7 Service Errors Handling

### 7.1 Service Timeout Handle

If a PayPal service becomes unavailable, error details can be found in the following logs:

- Error details can be found in the log with the **custom-PayPal** prefix.
- Service request/response details can be found in the log with the **service-PayPalRest** prefix.

For more details about logs, see [Logs](#) section.

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## 8 Known Issues

No reported issues so far.