Fast Integration - SFRA

Version 1.0



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1. Summary

Accelerate customer checkouts, increase conversion and new customer acquisition. Enable one checkout experience anywhere on the internet.

Get Started

This Integration Guide helps you

- Enable one-click checkout and log in Salesforce Commerce Cloud(B2C).
- Reduce the time a shopper spends in checkout
- Increase conversion and revenue per visit

Required Products

Product Pre-Requisites

- Salesforce B2C Commerce Enterprise
- Fast Checkout
- Fast Cartridge for Salesforce Commerce Cloud

License Requirement

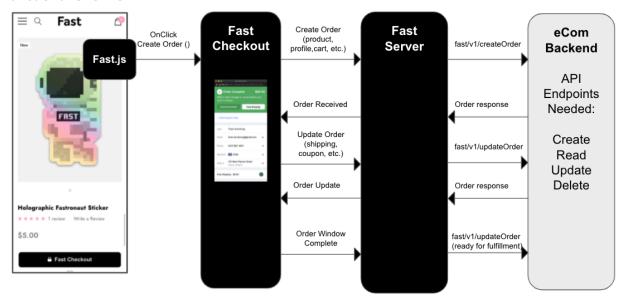
Fast AF

Integration components

- Fast integration cartridge
- Supporting metadata package
- Modification of storefront code to place Fast Checkout button on PDP, Cart, and Minicart

2. Component Overview

Functional Overview



Supported Payment Types

• Fast accepts all major credit cards and charges a flat fee across the board. There is an additional 1% charge for international cards.

Use Cases

Enable one-click checkout on your Salesforce Commerce Cloud web storefronts with Fast Checkout network of shoppers so you can increase conversion and capitalize on intent.

Limitations, Constraints

- This integration supports one-click checkout directly on your web storefront
- Split shipments
- Split payment capture

Compatibility

- Reference integration built based on Storefront Reference Architecture(SFRA) version v6.0.0
- Integration built based on Open Commerce API(OCAPI) version 21.9
- Integration was tested against compatibility mode 19.10

Privacy, Payment

- We will attribute orders only to known profiles based on email address
- Credit card data will not be processed or stored in SFCC

3. Implementation Guide

Setup of Business Manager

Install Cartridge:

• Add int_fast_sfra cartridge into UX Studio through file import and add the same into the cartridge path.

Add Cartridge Path:

- Login into BM and navigate to Administration > Sites > Manage Sites
- In the Setting tab, add int_fast_sfra in the cartridge path and Apply

Data Import:

Import Custom attribute:

In order to support Fast Checkout we will add custom attributes to the below Object using the metadata file "system-objecttype-extensions.xml":

- Basket
- Order
- OrderAddress
- Product
- ProductLineItem
- Site Preferences

Import Steps:

- In BM, Navigate to Administration > Site Development > Import & Export > Manage Import Files
- Find the "system-objecttype-extensions.xml" under "metadata/fast-meta-import/meta" and upload the file using Import & Export Files
- Navigate to Administration > Site Development > Import & Export
- Click import under Meta Data
 - 1. Select Import File: Select the uploaded "system-objecttype-extensions.xml" file and click Next
 - 2. Import File Validation: click refresh to validate the file
 - 3. Import: Click Import after validation is successful

Import Payment:

In order to support Fast Checkout, will add a new payment method via import

Import Steps:

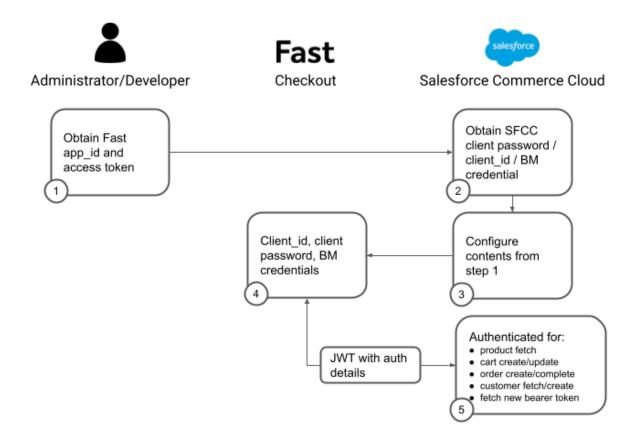
- In BM, Navigate to "Merchant Tools > Ordering > Import & Export"
- Upload the "metadata/sites/RefArch/payment-methods.xml" file through Import and Export Files

Configuration

Fast require below configurations steps

- 1. Create Account / Credentials
- 2. SFCC BM Configurations
- 3. Fast Configurations

Credentials Functional Workflow



Step #1: Create Account / Credentials

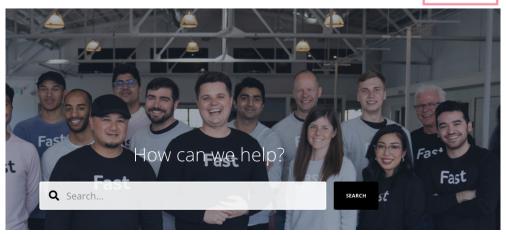
To establish the connection between Fast and SFCC, Fast needs both Fast ID and SFCC BM accounts, below steps will help for the same

- Fast Id and Access Token
- SFCC BM user
- SFCC Client

Fast Id and Access Token

- These Fast Credentials will help to connect the Fast from SFCC and Submit a Fast support ticket to create an App Id and Access token
- Navigate to: https://help.fast.co/hc/en-us
 - O Click SUBMIT A REQUEST

SUBMIT A REQUEST



- Enter your email address
- Subject:

Salesforce Commerce Cloud App Id and Token Request

Description:

[company name]

Hi, I am working on an integration between Fast and Salesforce Commerce Cloud. I am requesting a Fast App Id and token in order to complete the necessary configurations.

Thank you,

[Your Name]

Click SUBMIT

Submit a request

Please note, Fast is unable to provide status updates on orders placed using Fast Checkout, and cannot modify or cancel orders once they are placed. For these requests, please contact the seller you purchased from directly.

from directly.
Your email address
Subject
Description
Please enter the details of your request. A member of our support staff will respond as soon as possible.
Attachments (optional)
Add file or drop files here
Add title or drop titles here

SFCC BM user

- SFCC BM users will help to connect SFCC OCAPI from Fast
- In BM, Navigate to Administration > Organization > Users and Create a New BM user
- Prefer to have a common email to create the BM user instead of a specific email Id (example: fast-integration-user@[yourcompany].com)

SFCC Client

- SFCC client Id will help control the access of OCAPI from outside and call the OCAPI from Fast
- In SFCC account Manager, Add new Client and obtain the Client ID and Password
- Community tool for checking OCAPI settings: http://ocapi-settings-with-ease.herokuapp.com/

Step #2: SFCC BM Configurations

SFCC BM requires below configurations

- Custom Preference
- Open Commerce API Settings

Custom Preference

In BM, Navigate to "Merchant Tools > Site Preferences > Custom Site Preference Groups" and open Fast Config.

- Fast JS URL
 - This config will help to connect Fast from your Storefront
 - Attribute type: String
 - Possible values are
 - Sandbox https://js.sandbox.fast.co/fast.js
 - Production https://js.fast.co/fast.js
- Is Fast Enabled
 - This config will help to Turn On / Off the Fast button at the site level
 - Attribute type: Boolean
- Fast Appld
 - This config will help to hold the Fast App Id
 - Attribute type: String
 - This value is obtained in Step #1 from Fast support
- Fast Theme
 - This config will help to configure the Fast button theme
 - Attribute type: String
 - Possible values are
 - None (light)
 - Dark

Open Commerce API Settings

- In BM, Navigate to "Administration > Site Development > Open Commerce API Settings", select Shop Type and Global Context
- Add below setting under "Clients" after adding the SFCC client ID

```
" v":"18.7",
"clients":[
   "client_id":"<<client_id>>",
   "resources":[
      "resource_id":"/baskets",
      "read_attributes":"(**)",
      "write_attributes":"(**)",
      "cache_time":0,
      "methods":[
        "post"
      ]
    },
      "resource_id":"/baskets/{basket_id}",
      "read_attributes":"(**)",
      "write_attributes":"(**)",
      "cache_time":0,
      "methods":[
        "get",
        "delete",
        "patch"
      ]
    },
      "resource_id":"/baskets/{basket_id}/items",
      "read_attributes":"(**)",
      "write_attributes":"(**)",
      "methods":[
        "post"
      ]
     },
      "resource_id":"/baskets/{basket_id}/items/{item_id}",
      "read_attributes":"(**)",
      "write_attributes":"(**)",
      "methods":[
        "patch",
        "delete"
      ]
    },
      "resource_id":"/baskets/{basket_id}/notes",
      "read_attributes":"(**)",
      "write_attributes":"(**)",
      "methods":[
        "get",
        "post"
      ]
    },
```

```
"resource_id":"/baskets/{basket_id}/customer",
 "read_attributes":"(**)",
 "write_attributes":"(**)",
 "methods":[
   "put"
 1
},
 "resource_id":"/baskets/{basket_id}/shipments",
 "read_attributes":"(**)",
 "write_attributes":"(**)",
 "methods":[
   "post"
 ]
},
 "resource_id":"/baskets/{basket_id}/shipments/{shipment_id}",
 "read attributes":"(**)",
 "write_attributes":"(**)",
 "methods":[
   "patch",
   "delete"
 ]
},
  "resource_id":"/baskets/{basket_id}/shipments/{shipment_id}/shipping_method",
 "read attributes":"(**)",
 "write_attributes":"(**)",
 "methods":[
   "put"
 ]
},
 "resource_id":"/baskets/{basket_id}/shipments/{shipment_id}/shipping_address",
 "read_attributes":"(**)",
 "write_attributes":"(**)",
 "methods":[
   "put"
 ]
},
  "resource_id":"/baskets/{basket_id}/billing_address",
 "read_attributes":"(**)",
 "write_attributes":"(**)",
 "methods":[
   "put"
 ]
},
  "resource_id":"/baskets/{basket_id}/coupons",
 "read attributes":"(**)",
 "write_attributes":"(**)",
```

```
"methods":[
   "post"
 ]
},
  "resource_id":"/baskets/{basket_id}/coupons/{coupon_item_id}",
 "read_attributes":"(**)",
 "write_attributes":"(**)",
 "methods":[
   "delete"
 ]
},
 "resource_id":"/customers",
 "read_attributes":"(**)",
 "write_attributes":"(**)",
 "methods":[
   "post"
 ]
},
  "resource_id":"/customers/{customer_id}",
 "read_attributes":"(**)",
 "write_attributes":"(**)",
 "methods":[
   "get",
   "patch"
},
 "resource_id":"/orders",
 "read_attributes":"(**)",
 "write_attributes":"(**)",
 "methods":[
   "post"
 ]
},
 "resource_id":"/orders/{order_no}",
 "read_attributes":"(**)",
 "write_attributes":"(**)",
 "methods":[
   "get",
   "patch"
 ]
},
 "resource_id":"/products/{id}/images",
 "read_attributes":"(**)",
 "write_attributes":"(**)",
 "cache_time":0,
  "methods":[
   "get"
```

Step #3: Fast Configurations

- Navigate to the Fast account page and update the below settings
- Submit a Fast support ticket sharing the client id and password created in the previous step as well as your Business Manager integration user's username and password

Custom Code

Customize the below pages to show the Fast checkout button. Include custom ISML files into site-specific Storefront Base or App Storefront Base Cartridge ISML files:

- PDP
- Cart
- Minicart

Add htmlHead

• Add given code into "cartridge/templates/default/common/layout/page.isml" after <isinclude template="/common/htmlHead" /> line

```
<isset name="isFastEnabled" value="${dw.system.Site.getCurrent().getCustomPreferenceValue('isFastEnabled')}"
scope="page" />
<isset name="fastJsUrl" value="${dw.system.Site.getCurrent().getCustomPreferenceValue('fastJsUrl')}"
scope="page" />
<isif condition="${isFastEnabled && fastJsUrl !== null}">
<<script src="${fastJsUrl}"></script>
</isif>
```

Add for Product detail Page

• Add given code in cartridge/templates/default/product/productDetails.isml above the <insinclude template="product/components/addToCartProduct"> line

```
<div class="row">
    <isinclude template="product/fast/fastCheckoutProduct" />
</div>
```

Add for Cart Page

• Add given code in cartridge/templates/default/cart/cart.isml below the <isinclude template="cart/cartTotals" /> line

<isinclude template="common/components/fastCheckoutRenderCart" />

Add for Mini Cart

• Add given code in cartridge/templates/default/checkout/cart/miniCart.isml as first line in <div class="minicart-footer"> line

<isinclude template="common/components/fastCheckoutRenderCart" />

External Interfaces

No External Interfaces

Firewall Requirements

No specific firewall requirements

4. Testing

Checkout Flow Integration Tests

Positive Test Cases:

- 1. Create cart
- 2. Read cart
- 3. Update cart with new
 - a. shipment details
 - b. shipping option
 - c. billing details
 - d. coupon
 - e. line items
 - f. status
 - g. convert card to order
- 4. Delete cart

Negative Test Cases:

- 1. Create cart fails for invalid input
- 2. Read cart fails for invalid input
- 3. Read cart fails when order is missing
- 4. Update cart fails for invalid input (each field represents a separate test)
- 5. Update cart fails when order is missing
- 6. Delete cart fails for invalid input
- 7. Delete cart fails when order is missing

Seller -> Fast Integration Tests

Positive Test Cases:

- 1. Cancel order
- 2. Refund order
- 3. Send a business event
 - a. Order was fulfilled
 - b. Order was cleared, notify to collect payment

Negative Test Cases:

- 1. Cancel order fails for invalid input
- 2. Cancel order fails for cancelled/missing order
- 3. Refund order fails for invalid input
- 4. Refund order fails for already refunded/missing order
- 5. Send business event should fail for invalid event data

Business Manager Configuration Tests

- 1. Product level Fast button configuration
 - a. Disable Fast Checkout = -None-; result: button show on storefront
 - b. Disable Fast Checkout = False; result: button shown on storefront
 - c. Disable Fast Checkout = True; result: button hidden from storefront
- 2. Site level Fast button configuration
 - a. Is Fast Enabled = True; result: button is eligible to be displayed on storefront
 - b. Is Fast Enabled = False; result: button is ineligible to be displayed on storefront

5. Operations, Maintenance

Data Storage

Availability

Failover/Recovery Process

Support

https://help.fast.co/hc/en-us

6. User Guide

Roles, Responsibilities

<LIST RECURRING TASKS THAT NEED TO BE FULFILLED BY CUSTOMER, MERCHANT TO RUN THE INTEGRATION, E.G. MANUAL FEED OF CATALOG DATA INTO 3RD PARTY SERVICE, IF APPLICABLE>

Business Manager

Enable Fast Payment

Users can enable Fast payment in the below levels

- Site Level
- Product Level
- Cart / Mini Cart

Site Level

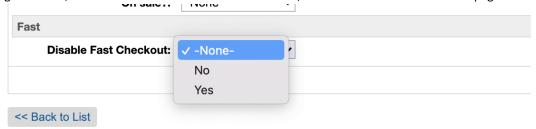
The fast checkout button can be enabled at the Site level by below steps

- In BM, Navigate to "Merchant Tools > Site Preferences > Custom Site Preference Groups" and open Fast Config
- Use the "Is Fast Enabled" attribute to enable and disable the Fast Button

Product Level

Users can Disable the Fast button on the Product level by below steps

- In BM, Navigate to "Merchant Tools > Products and Catalogs > Products ".
- Search and open a Product.
- In general tab, set Yes in Disable Fast Checkout to disable/hide the button on the Product page



Cart / Mini Cart:

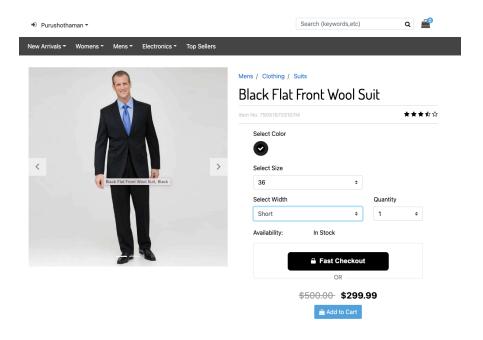
If any of the products in Cart are disabled the Fast checkout, the Fast checkout button will not be visible on the Cart and Mini Cart page

Storefront Functionality

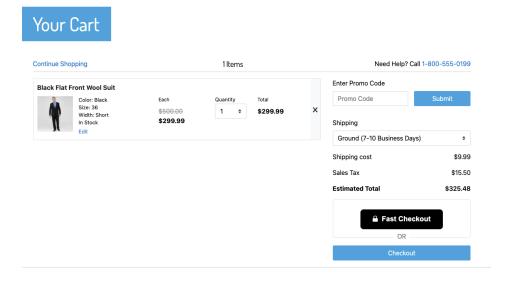
After successfully enable the Fast button in Site and Product level, the Fast button will be displayed on the below pages

- PDP
- Cart
- Mini Cart

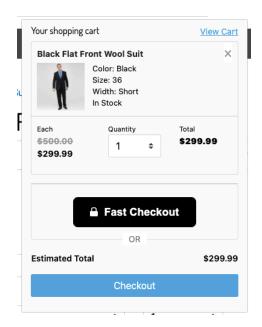
PDP:



Cart:



Mini Cart:



7. Known Issues

<LIST KNOWN ISSUES AND WORKAROUNDS>

8. Release History

<RELEASE HISTORY OF THE COMPONENT; THIS DOCUMENT IS PART OF THE COMPONENT AND DOES NOT HAVE ITS OWN RELEASE/VERSION NUMBER.>

<PLEASE USE THE FOLLOWING NAMING SCHEMA: THE FIRST NUMBER IS THE YEAR, THE SECOND NUMBER REFERS TO THE RELEASED VERSION OF THAT YEAR (FIRST NUMBER), A CHANGE TO THE 3RD DIGIT PROVIDES BUG FIXES WITHOUT INTRODUCING NEW FEATURES. BELOW IS AN EXAMPLE>

Version	Date	Changes
18.1.0	2018-03-01	Initial release
19.1.0	2019-02-01	Updated integration to be compatible with latest storefront versions
19.2.0	2019-04-15	Added new functionality
19.2.1	2019-07-30	Fixed bug
20.1.0	2020-03-02	Recertified