

YUANSFER INTEGRATION

21.2



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1. SUMMARY

[Yuansfer](#) cartridges allow Salesforce Commerce Cloud (SFCC) merchants to process their store payments through [Yuansfer's Payment Gateway](#).

Stores can now accept all significant [QR Code-based wallets](#), including PayPal, Venmo, and Alipay, both online and in-store!

All sensitive data, including Transaction ID, Transaction Amount, and Merchant ID, are encrypted using RSA_AES algorithms during transmissions. Yuansfer uses Alibaba Cloud and enables a Web Application Firewall to defend against the most common attacks such as (but not limited to) SQL injection, XSS cross-site scripting, common web server plug-in vulnerabilities, Trojan uploads, and unauthorized access to core resources. Yuansfer and Wallet Servers authenticate and validate each transaction, thus eliminating fraud.

The Yuansfer LINK cartridge package contains 4 folders:

1. **int_yuansfer_sfra** - SFRA integration for [Yuansfer's Payment Gateway](#)
2. **bm_yuansfer** - BM integration for [Yuansfer's Payment Gateway](#)

No tokens or user passwords are transmitted during the process. Yuansfer's Gateway does not interact with any card network processing components for PCI scoping. Alipay transaction data is PCI out-of-scope and not subject to PCI DSS standards.

Please Note:

A Yuansfer merchant account is required, separate from the extension installation. Sign up is easy; simply complete the steps [here](#), and our Client Onboarding team will take you through the rest. For more information on joining our Platform, visit our [FAQ page](#). We operate with integrity and transparency.

2. Component Overview

2.1 Payment Workflow

- Display Yuansfer payment form in checkout page
- Select Yuansfer payment method, submit the form and handle the response.
- Display the confirmation page and allow the customer to checkout.
- Upon completion of the transaction, regardless of the payment status, transaction details will be available in the SFCC Business Manager panel.

2.2 Payment Methods

Yuansfer cartridge supports the following payment methods:

- Credit Cards - Accept all major credit and debit card including: VISA, UnionPay, American Express, MasterCard, Discover
- Alipay
- Wechat Pay

- Paypal

2.3 Compatibility

Developed on SFRA v5.0

Compatible with SFRA v5.0 and above

3. Implementation Guide

3.1 Setup of Business Manager

The Yuansfer SFRA Cartridge contains several cartridges that are required for full functionality.

Import all three cartridges into UX studio or use Prophet Debugger Plugin from VS Code.

Site Cartridge Assignment

1. Navigate to **Administration > Sites > Manage Sites**
2. Click on Your site name that will implement Yuansfer Plugin
3. Click on the "Settings" tab
4. Add "app_yuansfer_sfra:int_yuansfer_sfra:int_yuansfer_core" to the cartridge path
5. Repeat steps 2 – 4 for each sites that will be implementing Yuansfer

Business Manager Cartridge Assignment

1. Navigate to **Administration > Sites > Manage Sites** and click on the "Manage the Business Manager site" right below "Business Manager Site".
2. Add "bm_yuansfer" to the cartridges path

Metadata import

1. Navigate to the metadata folder of the project.
2. Open the yuansfer_site folder
3. Open the sites folder and edit the 'yoursitename' folder to your site ID.
4. Compress yuansfer_site folder into Zip extension file.
5. Navigate to **Administration > Site Development > Site Import & Export**
6. Upload the yuansfer_site.zip file and upload it.

3.2 Configuration

Navigate to the **Merchant Tools > Site Preferences > Custom Preferences**, click on "Yuansfer Configs"

1. Enable Yuansfer – Enables or disables the Yuansfer cartridge.
2. Yuansfer Token – Unique Yuansfer token associate with your MerchantNo and StoreNo provided by Yuansfer
3. Yuansfer MerchantNo – Unique Yuansfer merchant number provided by Yuansfer
4. Yuansfer StoreNo – Unique Yuansfer store number provided by Yuansfer

3.3 Services

All Yuansfer functionality relies on external calls to our Yuansfer API, it uses Service Framework to communicate with our API.

The configuration for integrating Yuansfer services can be found under **Administration > Operations > Services**

There is only one service for external calls.

- `yuansfer.http.services`

Check below for its configuration.

yuansfer.http.service?

Fields with a red asterisk (*) are mandatory. Click **Apply** to save the details. Click **Reset** to revert to the last saved state.

Name:*	<input type="text" value="yuansfer.http.service"/>
Type:	<input type="text" value="HTTP"/>
Enabled:	<input checked="" type="checkbox"/>
Service Mode:	<input type="text" value="Live"/>
Log Name Prefix:	<input type="text" value="Yuansfer"/>
Communication Log Enabled:	<input checked="" type="checkbox"/>
Force PRD Behavior in Non-PRD Environments:	<input type="checkbox"/>
Profile:	<input type="text" value="YuansferProfile"/>
Credentials:	<input type="text" value="YuansferCredentials"/>

Our Api supports both product and sandbox environments

In order to switch between two environments, click on the Credentials tab, select YuansferCredentials and change the **URL**.

Production Env: `https://mapi.yunkeguan.com`

Sandbox Env: `https://mapi.yuansfer.yunkeguan.com`

3.4 Firewall Requirements

No firewall requirements

3.5 Alternate Payment Methods (APM)

Yuansfer Cartridge supports alternate payment methods. Below are the guidances:

WeChat Pay

Yuansfer allows SFCC stores to accept WeChat Pay payments, one of the most popular payment methods in China.

In order to Enable the WeChat as payment method, select your site and navigate to **Merchant Tools > Ordering > Payment Methods** and enable payment method with ID = 'YUANSFER_WECHATPAY'.

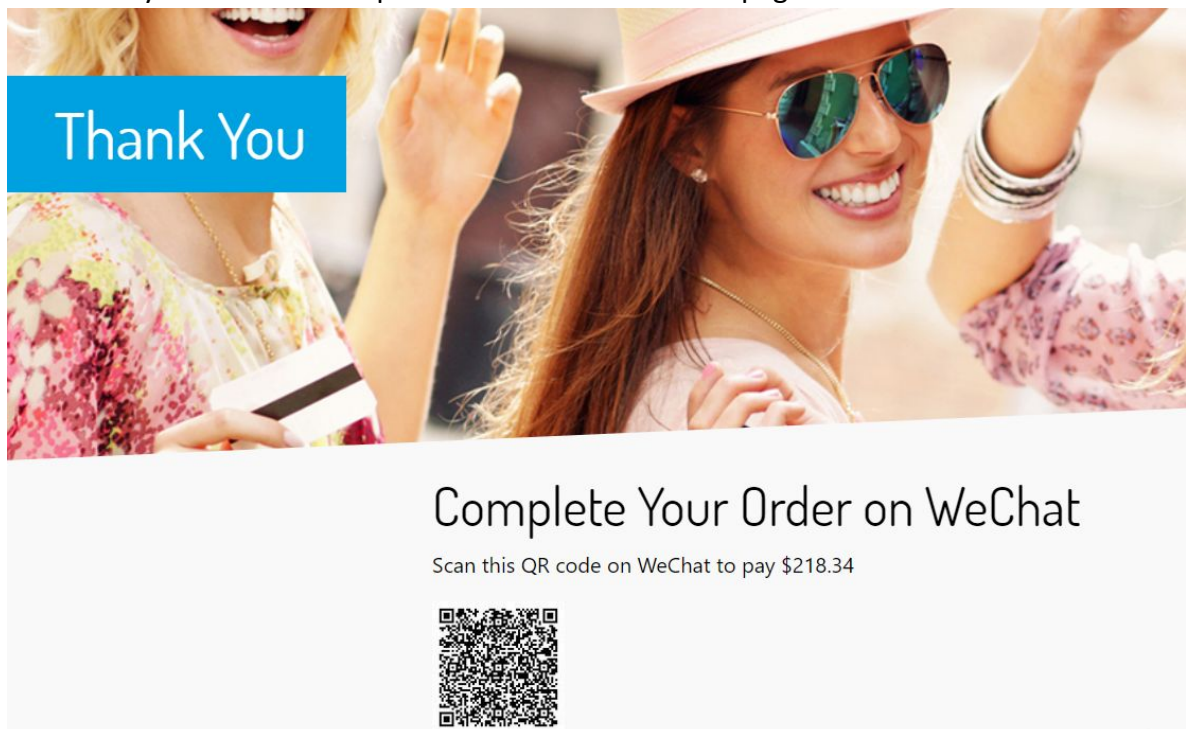
Once the WeChat Pay payment method is enabled, it will display the WeChat as a payment method in the checkout page:

The screenshot displays a checkout page with a 'Payment' section on the left and a cart summary on the right. The 'Payment' section includes a 'Billing Address' dropdown menu showing 'Yuanex Inc Yuansfer 28 Liberty St 6th Floor New York NY 10005', with links for 'Update Address' and 'Add New'. Below this are fields for '*Email' (support@yuansfer.com) and '*Phone Number' (8559826888). At the bottom of the payment section are tabs for 'Credit Card', 'WeChat Pay' (which is selected), 'Alipay', and 'Yuansfer Credit Card'. A note states: 'QR Code will be generated at Order Confirmation page to pay with WeChat.' A blue button at the bottom says 'Next: Place Order'.

The cart summary on the right shows '1 Items' totaling '\$38.00'. The item is 'Turquoise and Gold Bracelet' with a color of 'Gold' and status 'In Stock'. A small image of the bracelet is shown. Below the item name is a table:

Each	Quantity	Total
\$38.00	1	\$38.00

Wechat Pay QR Code will be present in the confirmation page:



Note: Corresponding QR Code URL and browser URL will be stored as an Order custom attribute in the order setting. **Merchant Tools > Ordering > Orders:**

Yuansfer Payment	
Yuansfer payment in review:	<input type="checkbox"/>
Yuansfer TransactionNo:	297553649871435578
Yuansfer WeChat QR Code URL:	https://yuansfer1.oss-accelerate.aliyuncs.com/images/securepa
Yuansfer Alipay QR Code URL:	
Yuansfer Dana QR Code URL:	
Yuansfer KakaoPay QR Code URL:	
Yuansfer GCash QR Code URL:	
Yuansfer AlipayHK QR Code URL:	
Yuansfer Credit Card QR Code URL:	




The WeChat order will be marked as under review ('Yuansfer payment in review' will be checked) until payment is completed on WeChat side.

Alipay

Yuansfer allows SFCC stores to accept Alipay payments, one of the most popular payment methods in China.

In order to Enable the Alipay as payment method, select your site and navigate to **Merchant Tools > Ordering > Payment Methods** and enable payment method with ID = 'YUANSFER_ALIPAY'.

Once the Alipay payment method is enabled, it will display the Alipay as a payment method in the checkout page:

Payment		Turquoise and Gold Bracelet							
Billing Address Yuanex Inc Yuansfer 28 Liberty St 6th Floor New York NY 10005 Update Address Add New		 Color: Gold In Stock							
*Email  <input type="text" value="support@yuansfer.com"/>		*Phone Number  <input type="text" value="8559826888"/>							
Credit Card WeChat Pay Alipay Yuansfer Credit Card		<table border="1"> <thead> <tr> <th>Each</th> <th>Quantity</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$38.00</td> <td>1</td> <td>\$38.00</td> </tr> </tbody> </table>		Each	Quantity	Total	\$38.00	1	\$38.00
Each	Quantity	Total							
\$38.00	1	\$38.00							
QR Code will be generated at Order Confirmation page to pay with Alipay.									
Next: Place Order									

Alipay QR Code will be present in the confirmation page:



Complete Your Order on Alipay

Scan this QR code on Alipay to pay \$641.53



Note: Corresponding QR Code URL and browser URL will be stored as an Order custom attribute in the order setting. **Merchant Tools > Ordering > Orders:**

Yuansfer Payment

Yuansfer payment in review: ☐

Yuansfer TransactionNo: 297553649955100481

Yuansfer WeChat QR Code URL:

Yuansfer Alipay QR Code URL: <https://yuansfer1.oss-accelerate.aliyuncs.com/images/securepa>

Yuansfer Dana QR Code URL:

Yuansfer KakaoPay QR Code URL:

Yuansfer GCash QR Code URL:

Yuansfer AlipayHK QR Code URL:

Yuansfer Credit Card QR Code URL:

The Alipay order will be marked as under review ('Yuansfer payment in review' will be checked) until payment is completed on Alipay side.

Credit Card

Yuansfer allows SFCC stores to accept Yuansfer Credit Card payments.

In order to Enable the Yuansfer Credit Card as payment method, select your site and navigate to **Merchant Tools > Ordering > Payment Methods** and enable payment method with ID = 'YUANSFER_CREDITCARD'.

Once the Yuansfer Credit Card payment method is enabled, it will display the Yuansfer Credit Card as a payment method in the checkout page:

Payment

Billing Address

Yuanex Inc Yuansfer 28 Liberty St 6th Floor New York NY 10005

Update Address
Add New

*Email

support@yuansfer.com

*Phone Number

8559826888

Credit Card

WeChat Pay


Alipay

Yuansfer Credit Card

QR Code will be generated at Order Confirmation page to pay with Credit Card.

Next: Place Order

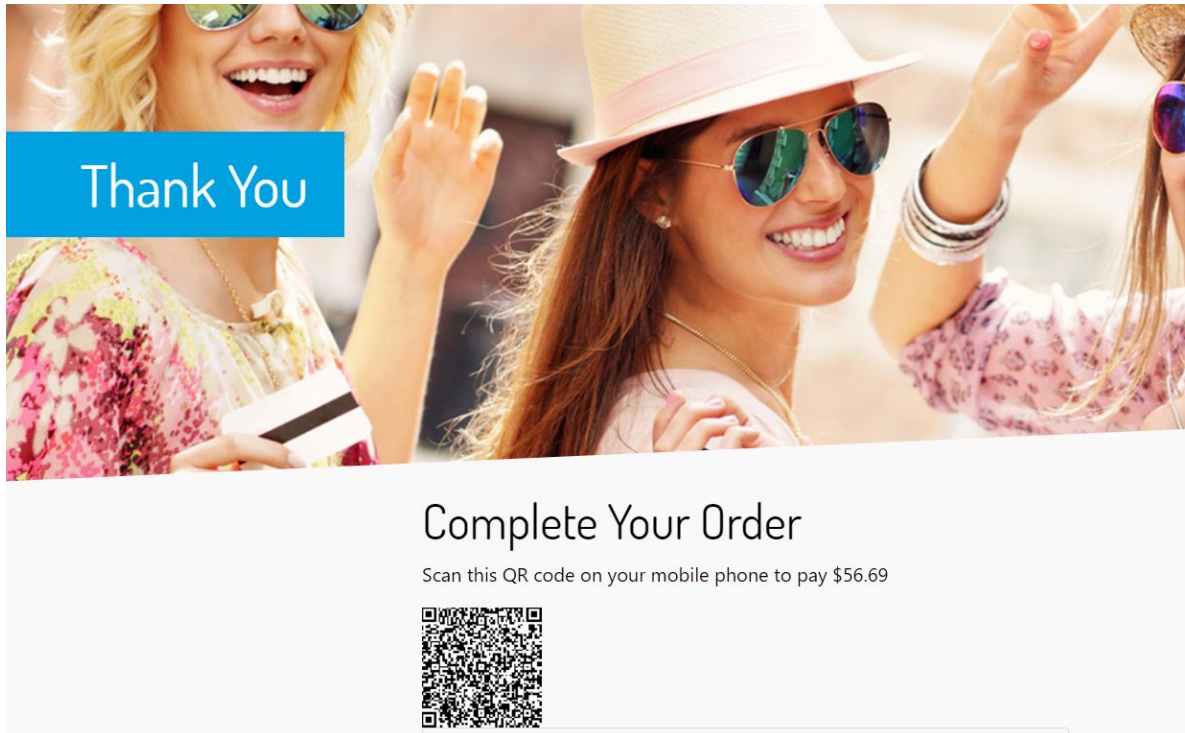
Turquoise and Gold Bracelet



Color: Gold
In Stock

Each	Quantity	Total
\$38.00	1	\$38.00

Yunasfer Credit Card QR Code will be present in the confirmation page:



Note: Corresponding QR Code URL and browser URL will be stored as an Order custom attribute in the order setting. **Merchant Tools > Ordering > Orders:**

Yuansfer Payment

Yuansfer payment in review: ☒

Yuansfer TransactionNo:

Yuansfer WeChat QR Code URL:

Yuansfer Alipay QR Code URL:

Yuansfer Dana QR Code URL:

Yuansfer KakaoPay QR Code URL:

Yuansfer GCash QR Code URL:

Yuansfer AlipayHK QR Code URL:

Yuansfer Credit Card QR Code URL:

https://mapi.yuansfer.yunkeguan.com/app-redirect-record/yuan

The Yuansfer Credit Card order will be marked as under review ('Yuansfer payment in review' will be checked) until payment is completed on your mobile phone.

3.5 Refund and Partially Refund

Yuansfer Cartridge allows merchants to perform refunds and partial refunds regarding any Yuansfer related transaction. In order to enable this functionality:

1. Navigating to **Administration > Organization > Roles & Permissions > Administrator**.
2. Click on the "Business Manager Module" tab.
3. Select all the sites you would like to enable Refund functionality.
4. Check Yuansfer transactions.

Yuansfer should appear on your Merchant Tools page :

Merchant Tools

Use the modules below to manage site-specific aspects of the application.



Products and Catalogs

Manage catalogs and products of this site.



Search

Manage Storefront search indexes and sorting options of this site.



Customers

Manage the customers of this site.



Ordering

Manage the orders of this site.



Analytics

Browse reports of this site.



Site Preferences

Set preferences for this site.



Content

Manage the non-product content of this site.



Online Marketing

Manage online marketing activities of this site.



Custom Objects

Manage custom objects of this site.



Yuansfer

Yuansfer



SEO

Optimize your page for search engines.

Navigating to Yuansfer > Yuansfer Transactions, it will list out a table with all Yuansfer related transactions and allow the user to do a full or partial refund on the transaction.

Transactions							Rows per page: 50
Order No	Transaction id	Payment id	Amount	Date	Type	Processor	Actions
00027801		YUANSFER_WE...	751.78 USD	Fri Feb 26 2021	CAPTURE	YUANSFER_APM	
00027702	29755365009525...	YUANSFER_CRE...	325.48 USD	Fri Feb 26 2021	CAPTURE	YUANSFER_APM	Refund
00027701	29755365009484...	YUANSFER_CRE...	325.48 USD	Fri Feb 26 2021	CAPTURE	YUANSFER_APM	
00027602		YUANSFER_ALIP...	56.69 USD	Fri Feb 26 2021	CAPTURE	YUANSFER_APM	
00027601		YUANSFER_PAY...	56.69 USD	Fri Feb 26 2021	CAPTURE	YUANSFER_APM	
00027401	29755365008817...	YUANSFER_PAY...	509.24 USD	Fri Feb 26 2021	CAPTURE	YUANSFER_APM	Refund

4. Operations and Maintenance

4.1 Availability

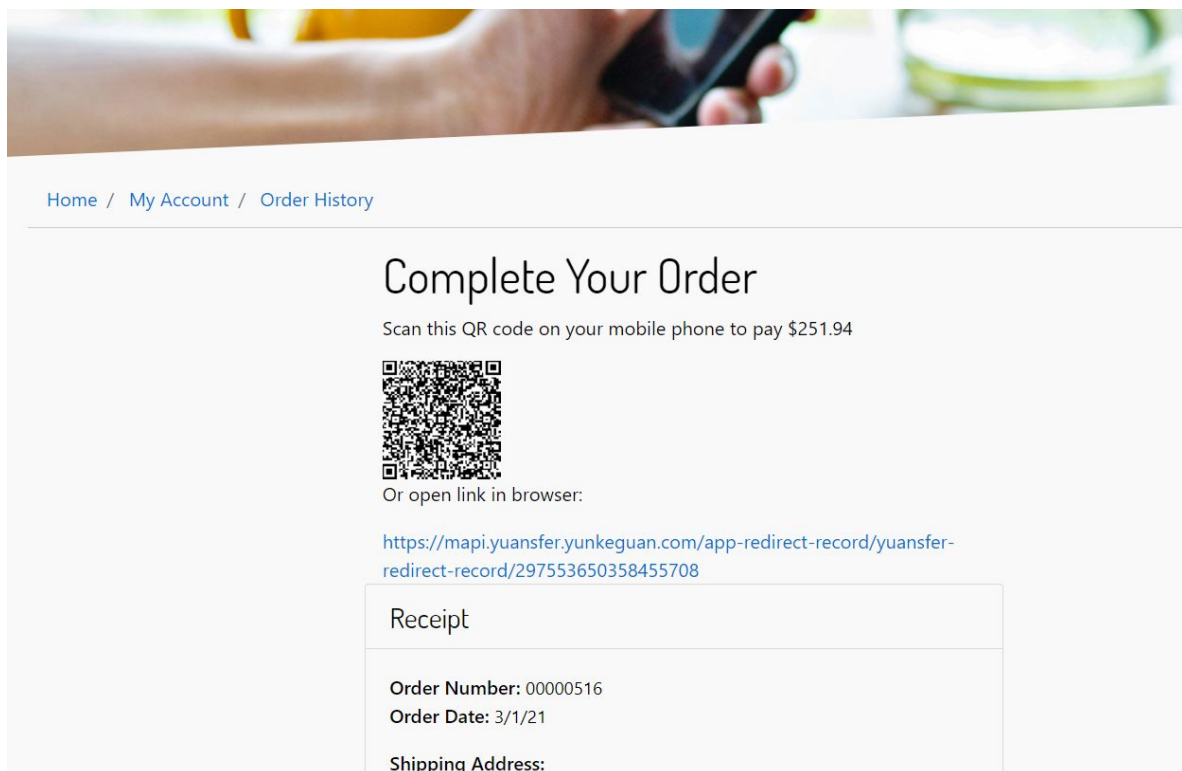
Please refer to Yuansfer FAQs page (<https://www.yuansfer.com/faq>) to determine any specific services.

In case of any failure or unavailability of the Yuansfer services, please contact us at (<https://www.yuansfer.com/contact>).

4.2 Missing Payment

In case customers ever missed their payment on the confirmation page, customers can navigate to **Home > My Account > Order History**.

They can complete their transaction on the order detail page if they did not complete the transaction on the confirmation page.



4.3 Locale & Translation

Yuansfer cartridge only provided with English Language (en-GB).

4.4 Failover/Recovery Process

If Yuansfer service is down, customers will not be able to checkout. Please contact Yuansfer support for our service status.

4.5 Support

If you have any concerns or questions, please contact Yuansfer support (<https://www.yuansfer.com/contact>).

5. User Guide

5.1 Role and Responsibilities

There are no recurring tasks to be performed in order to run the Yuansfer SFRA cartridge integration.

5. Recognized Issues

Currently there are no known issues

6. Release History

Version	Date	Changes
21.2.0	02/25/2021	Initial release