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

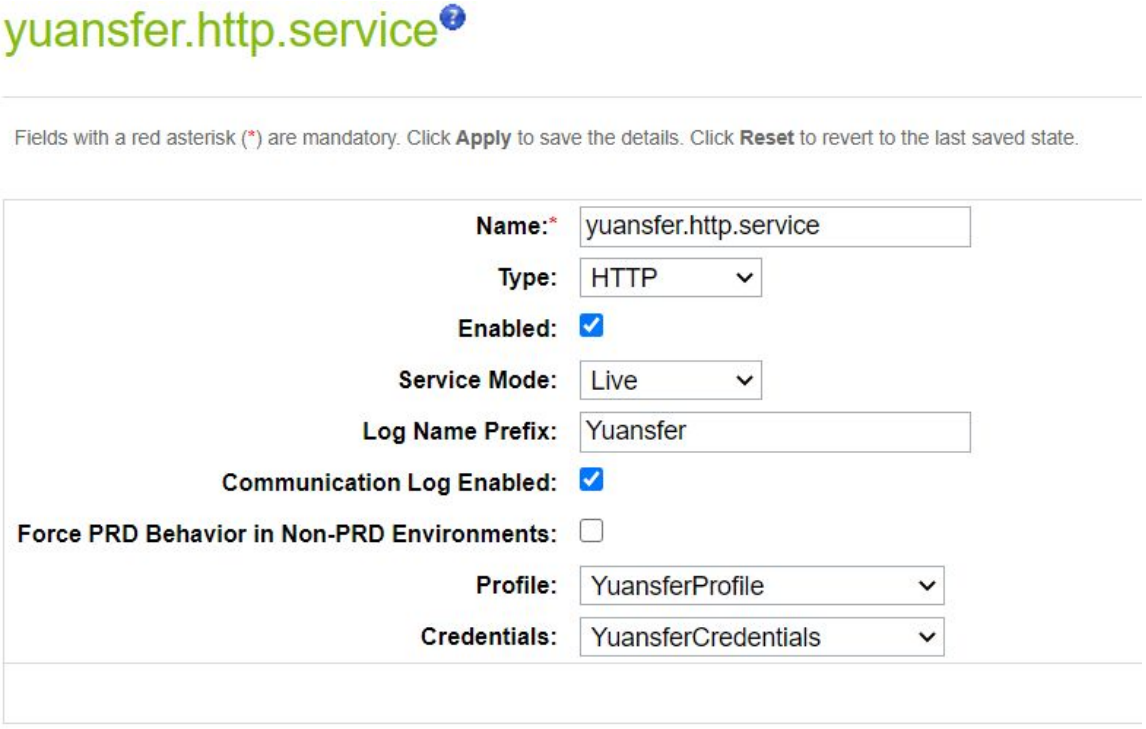
All Yuansfer functionality replies on external calls to our Yuansfer API, it uses Service Framework to communicate with our API.

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.



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)

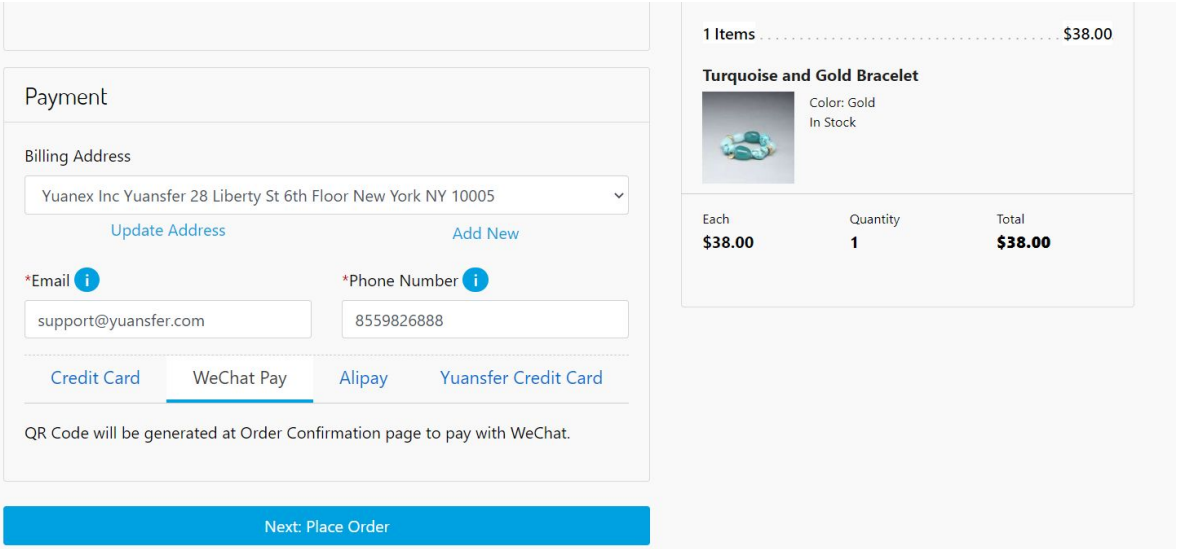
Yuansfer Cartridge supports alternate payment methods. Below are the guidances:

WeChat Pay

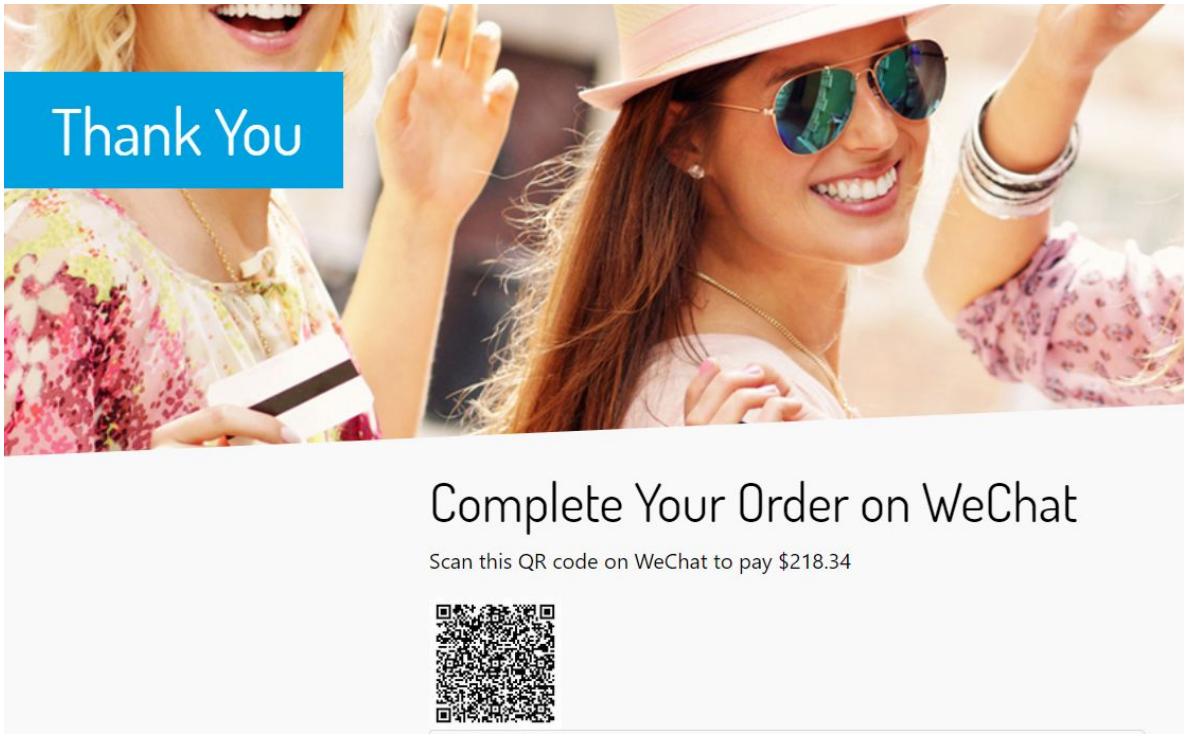
Yuansfer allows SFCC stores to accept WeChat Pay payments, one of the most popular payment methods in China.

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'.

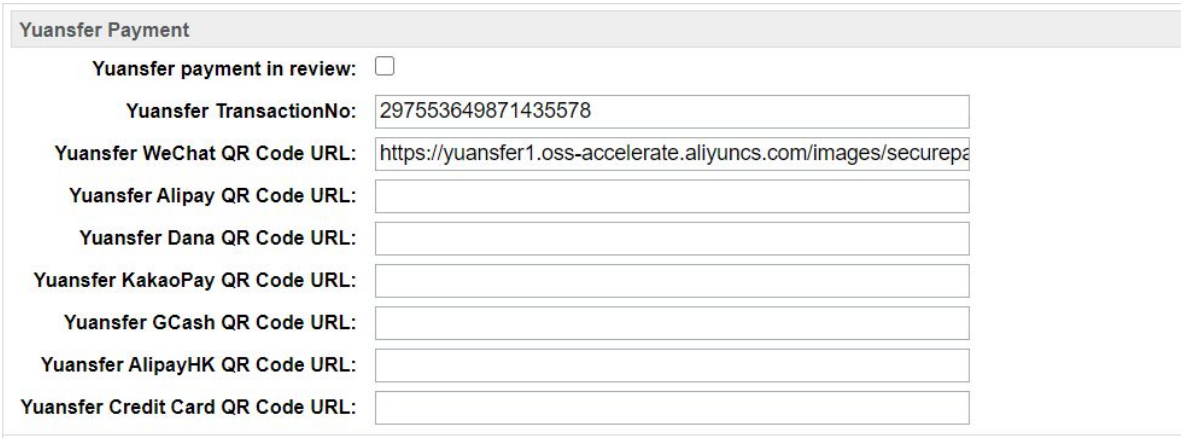
Once the WeChat Pay payment method is enabled, it will display the WeChat as a payment method in the checkout page:



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**:



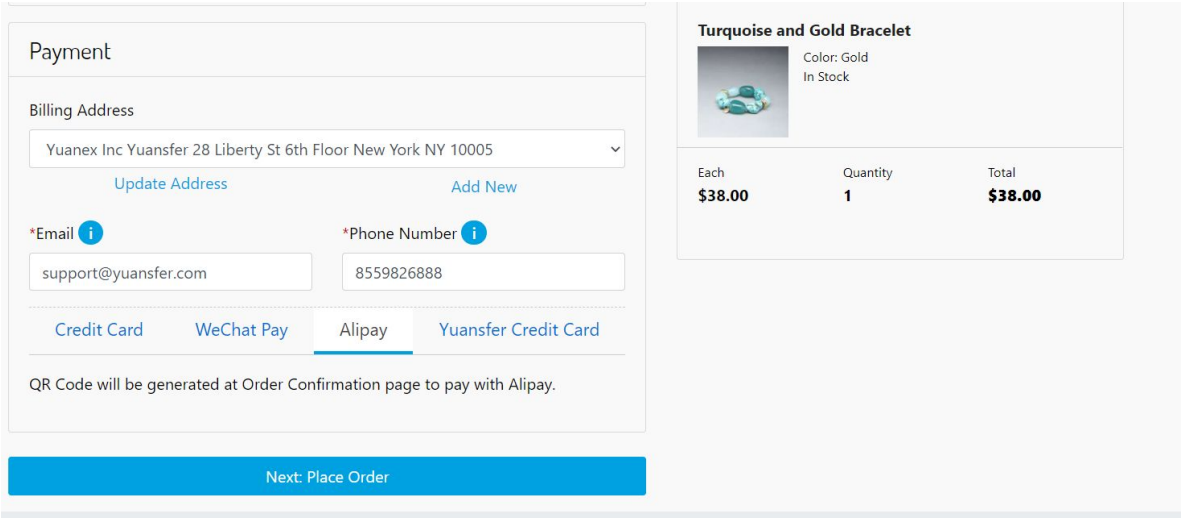
The WeChat order will be marked as under review ('Yuansfer payment in review' will be checked) until payment is completed on WeChat side.

Alipay

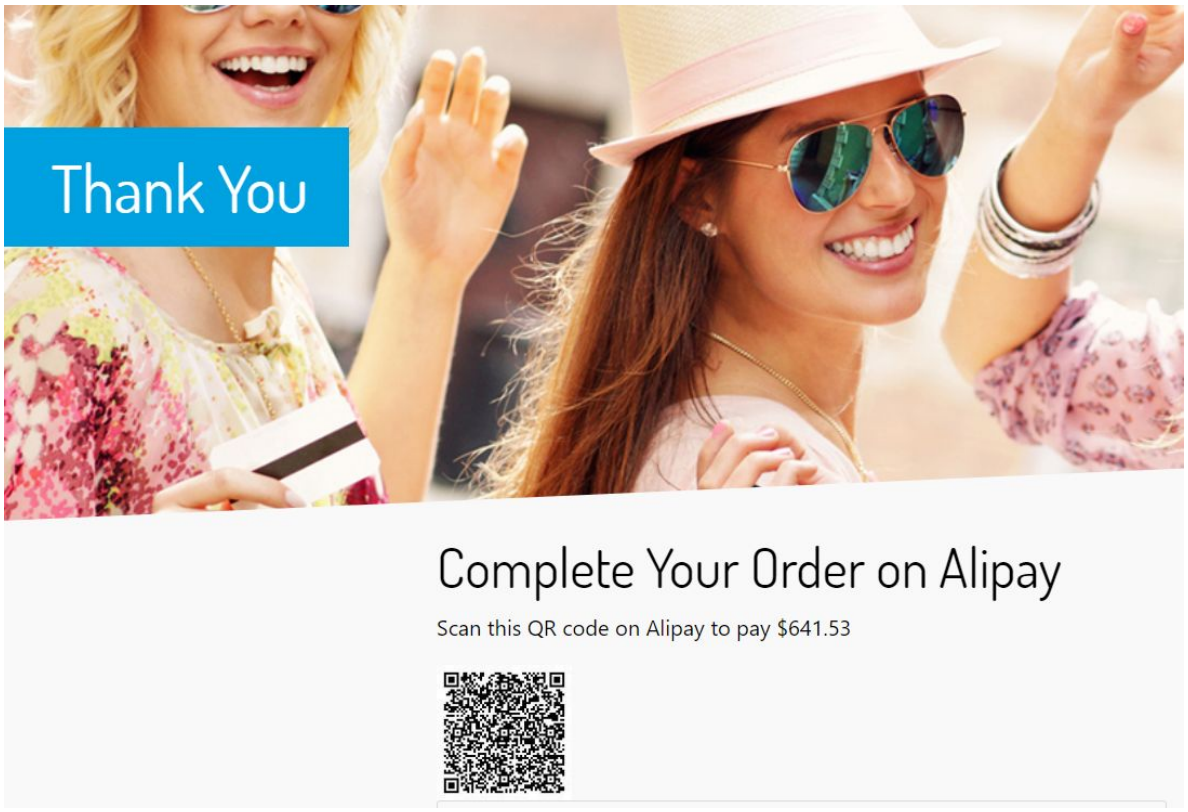
Yuansfer allows SFCC stores to accept Alipay payments, one of the most popular payment methods in China.

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'.

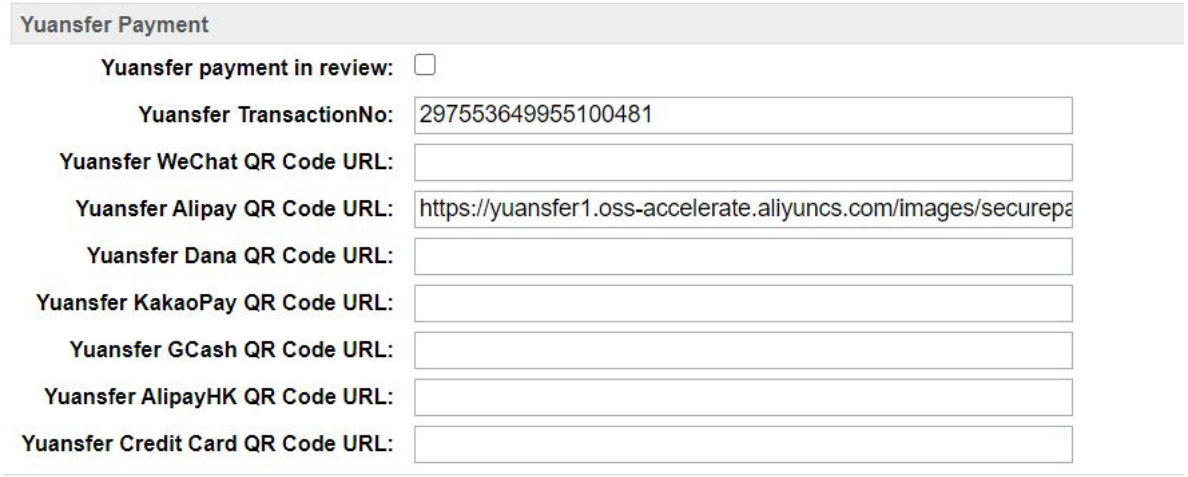
Once the Alipay payment method is enabled, it will display the Alipay as a payment method in the checkout page:



Alipay 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**:



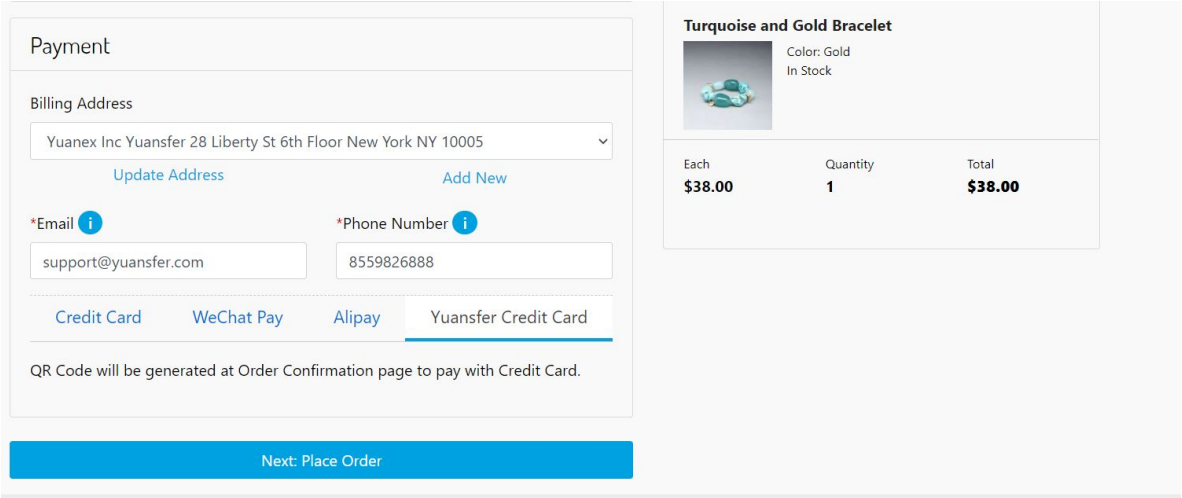
The Alipay order will be marked as under review ('Yuansfer payment in review' will be checked) until payment is completed on Alipay side.

Credit Card

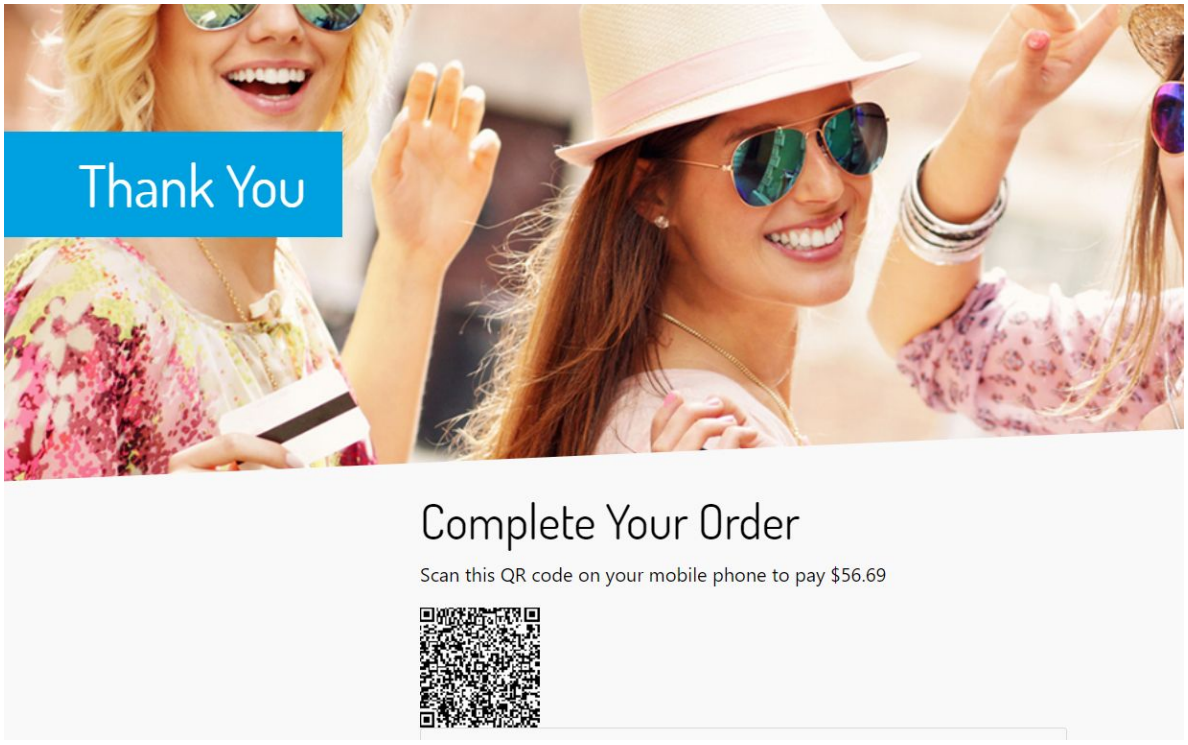
Yuansfer allows SFCC stores to accept Yuansfer Credit Card payments.

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'.

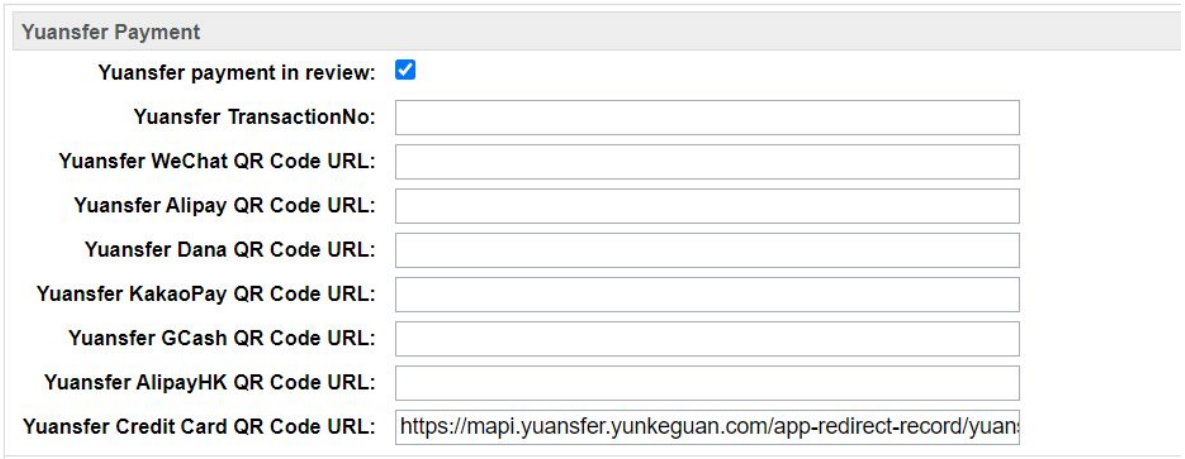
Once the Yuansfer Credit Card payment method is enabled, it will display the Yuansfer Credit Card as a payment method in the checkout page:



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**:



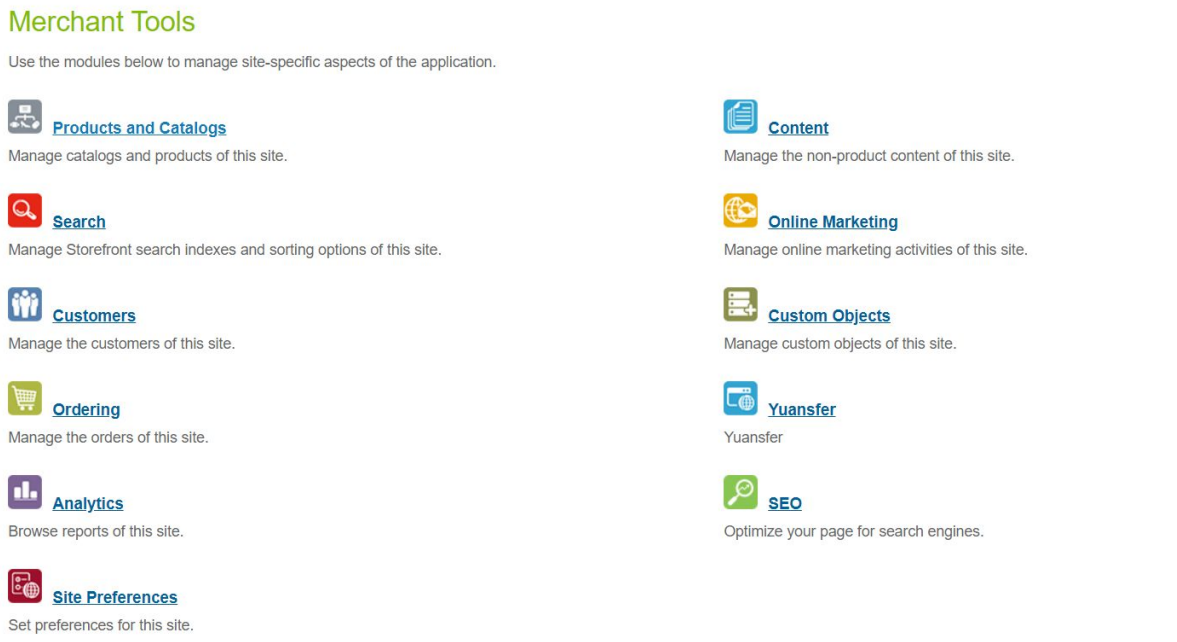
The Yuansfer Credit Card order will be marked as under review ('Yuansfer payment in review' will be checked) until payment is completed on your mobile phone.

3.5 Refund and Partially Refund

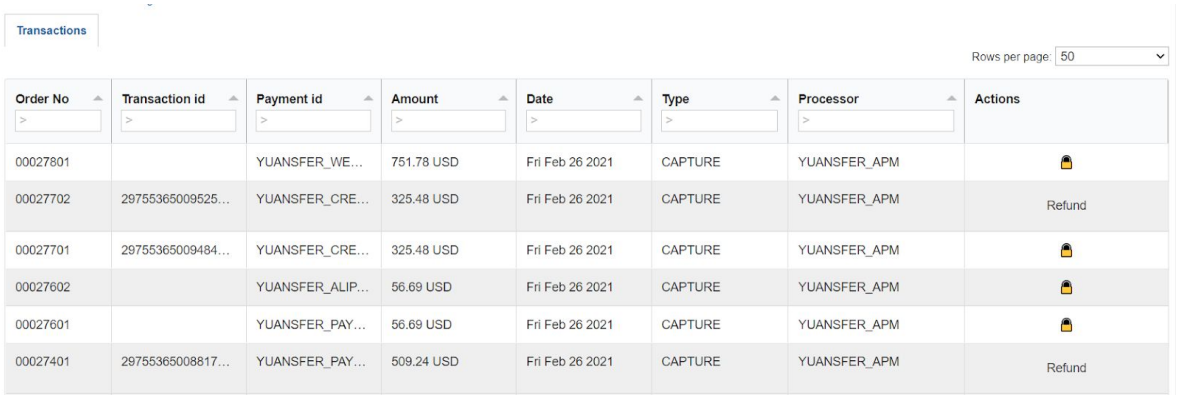
Yuansfer Cartridge allows merchants to perform refunds and partial refunds regarding any Yuansfer related transaction. In order to enable this functionality:

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：



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.



4. Operations and Maintenance

4.1 Availability

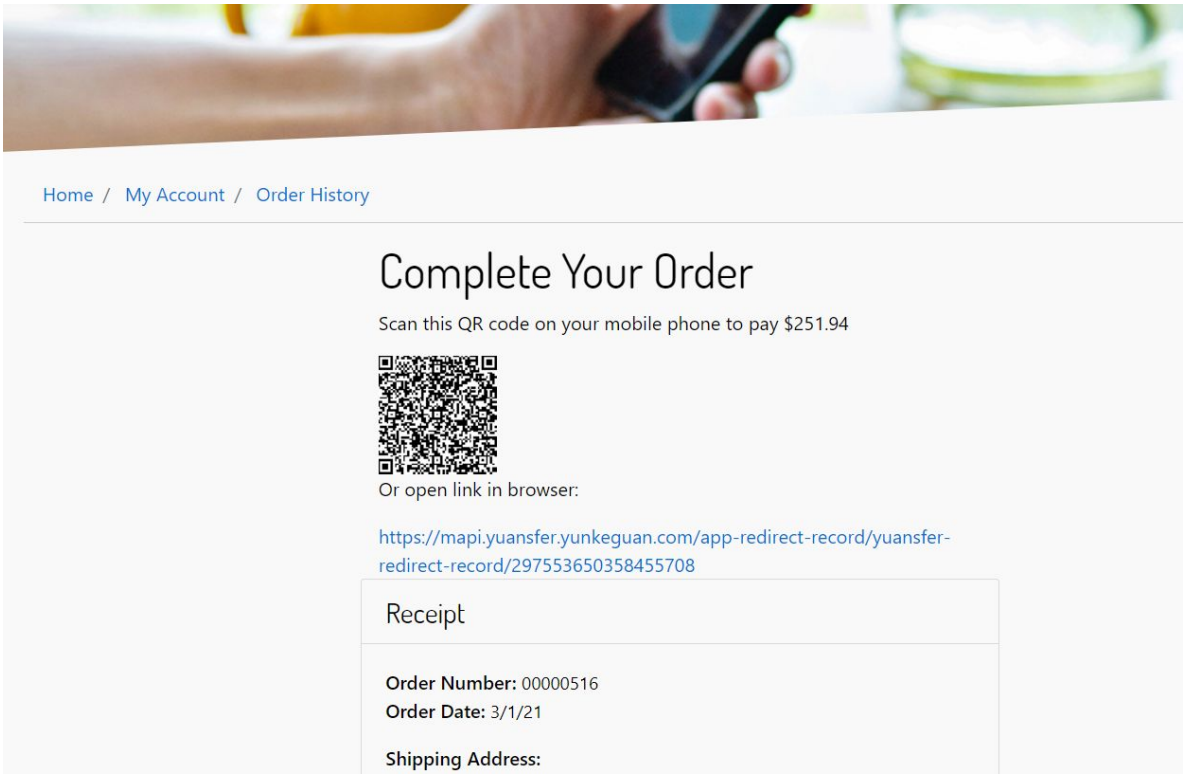
Please refer to Yuansfer FAQs page (https://www.yuansfer.com/faq) to determine any specific services.

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 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