

USER GUIDE

SAFERPAY MODULE

FOR

ODOO 12.0 - 16.0

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ABOUT DOCUMENT

Version No.	Prepared by	Version Changes	Date
V1.0.0	Rajasree R, Manu T Varghese & Philips Thampi, PIT Solutions Pvt Ltd	Prepared initial document version	20.05.2021
V1.0.1	Sreejesh E, Noble SJ, Manu T Varghese & Philips Thampi, PIT Solutions Pvt Ltd	Saferpay Json Version 1.20. Add Klarna, Sofort & EPS	12.11.2021
V2.0.1	Manu T Varghese, Linto Antony, Lavanya V, Aswath Babu PIT Solutions Pvt Ltd	Adaptation from Odoo 14.0 to Odoo 15.0. Payment page, iframe, Saferpay fields, alias insert, refund, multipart refund, cancel Version 1.21.	28.04.2022
V3.0.1	Manu T Varghese, Lavanya V PIT Solutions Pvt Ltd	Introduced Save card In Odoo 15.0	25.05.2022
V3.1.1	Manu T Varghese, Lavanya V PIT Solutions Pvt Ltd	Resolved coupon Code Issue	01.08.2022
V4.0.1	Manu T Varghese, Lavanya V, Jemy Ann Joseph PIT Solutions Pvt Ltd	Made compatible to Odoo 16.0	28.04.2023

1.0 INTRODUCTION

The purpose of this document is to present a detailed description of Saferpay. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli. This document is intended for both the stakeholders and the developers of the system and will be the baseline for the software development and so approval of this document is necessary.

Saferpay

Easy, flexible, secure - The comprehensive e-payment solution from Worldline for easier and more secure payment in your online shop.

Saferpay is a comprehensive e-payment solution for easy and secure payment in your online shop. Saferpay allows you to process all common national and international payment methods in your online shop– via just one single interface. With just a few clicks, the solution can be quickly and flexibly integrated into most shop systems.

ODOO modules

This Odoo module is compatible to work with Saferpay payment methods. This supports the following payment methods and workflows of Saferpay.

- VISA
- MASTERCARD
- MAESTRO
- AMERICAN EXPRESS
- BANCONTACT
- DINERS
- JCB
- BONUS CARD

- EPS
- KLARNA
- SOFORT BY KLARNA
- SEPA ELV
- MYONE
- MASTERPASS
- UNIONPAY
- PAYPAL
- TWINT
- PAYDIREKT
- IDEAL
- EPRZELEWY
- ALIPAY
- POSTFINANCE CARD
- POSTFINANCE eFINANCE
- APPLEPAY

Also support all features of Saferpay like payment page, iframe, Saferpay fields, alias insert, refund, cancel.

2.0 CONFIGURATION

S Requirements

- ODOO working environment.
- License for Saferpay module.
- Before the installation, you must have a valid account on the Saferpay terminal.
- API credentials for Saferpay (Terminal ID, Customer ID, API Username and API Password) for Live and Test environment.
- A Valid Acceptance Agreement for payment Methods and credit cards.

General Configurations in Backend

Here we can set the Saferpay configurations data, go to Invoicing → Configuration → Saferpay Acquirer Configuration.

- Production Url: - We can set the production url.
- Test Url: - We can set the Test url of Saferpay, this is used to switch the Test/production environment.
- Customer ID: - Set the Customer Id of the Saferpay account.
- Terminal ID: - Set the Terminal Id of the Saferpay account

We can get the payment means and terminals from the menu Settings → Payment Means / Terminals.

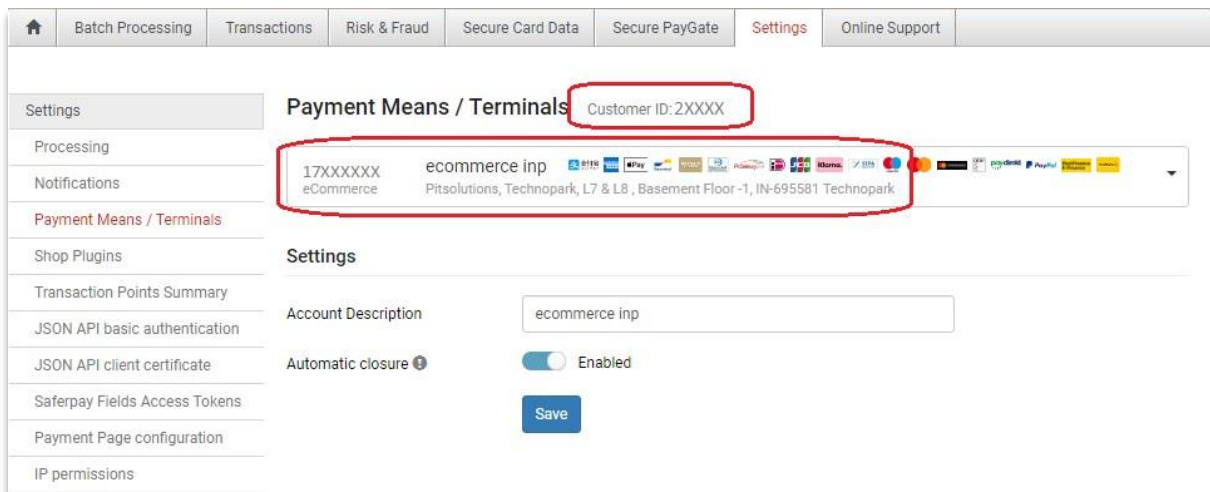


Figure 1 - General Configuration

- APIUserName: - Set the API Username
- API Password: - Set the API Password, we can create new API login from Saferpay backend, Settings → JSON API basic authentication → Create new JSON API login.

- Need Extra Security: - Recommended for high risk businesses (Jewellery, Electronics, etc.) to stick to the highest level of security.
- Recurring SCA Challenge for PSD2 Compliance: - Set only if your shop contains a PSD2 certificate.
- Send Status Email: - used for sending status mail to the customer.

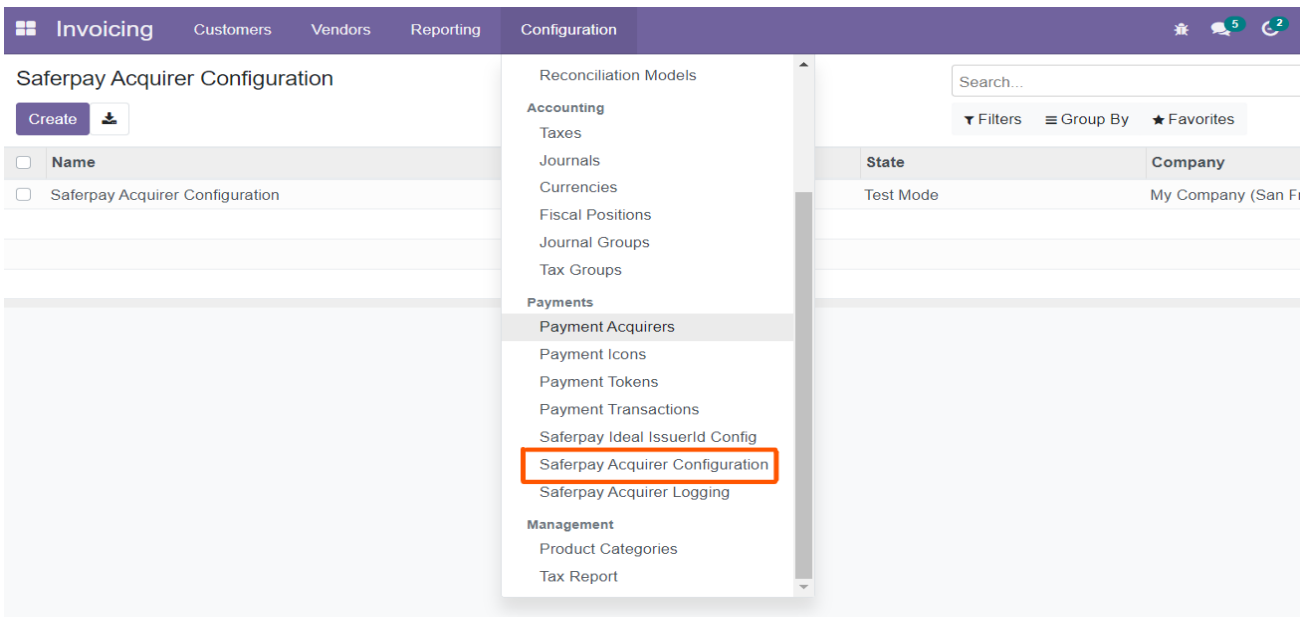


Figure 4 - Configuration List View

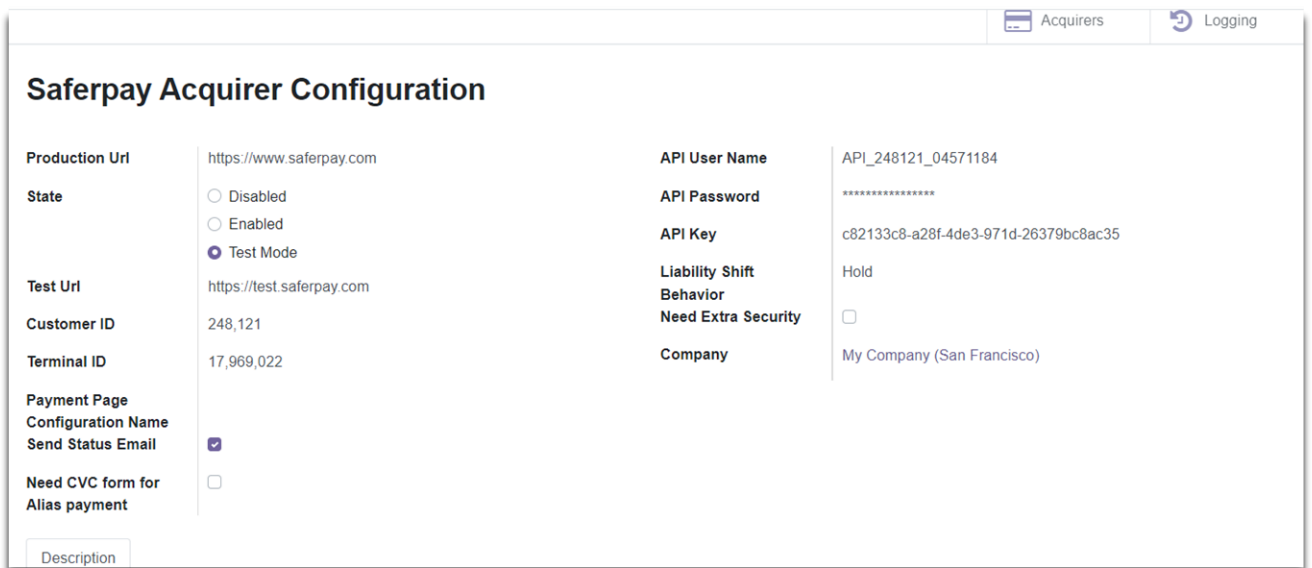


Figure 5 - Configuration Form View

- Smart buttons
 - Acquires: - List of acquires (Payment methods) under this configuration.
 - Logging: - List of all logs regarding the API call.
- Icon Configurations
 - We can configure the payment icons for Saferpay from the menu Invoicing → Configuration → Payment Icons, as shown in the figure.

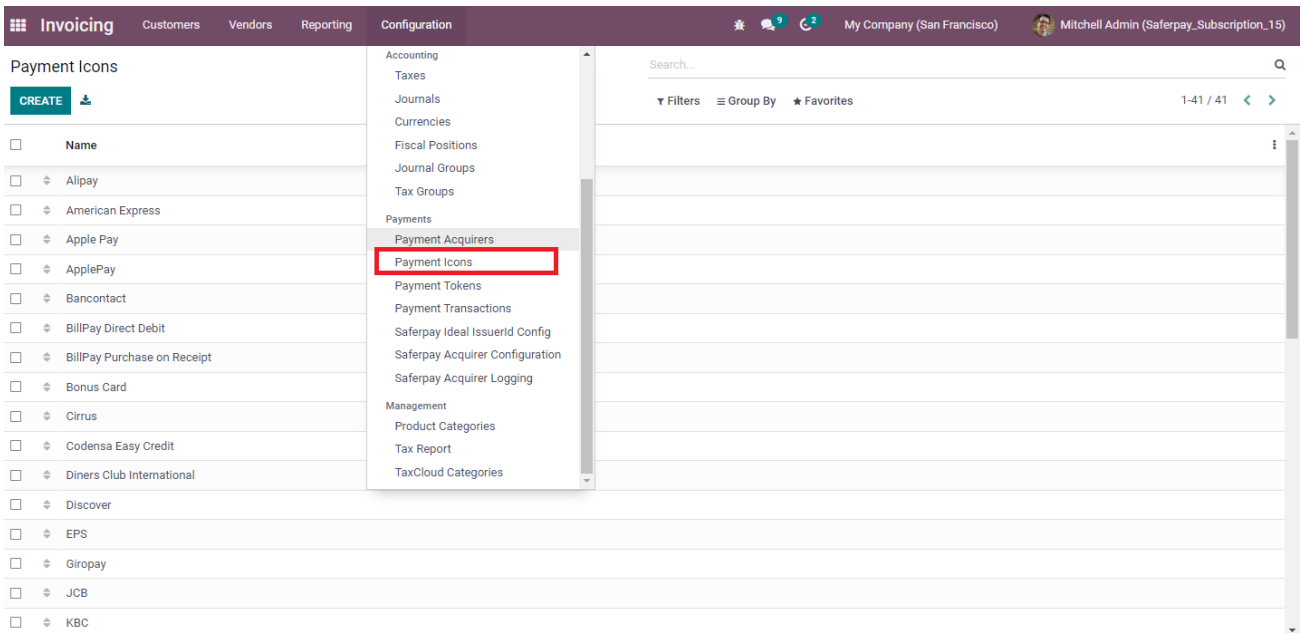


Figure 6 - Payment Icons list view

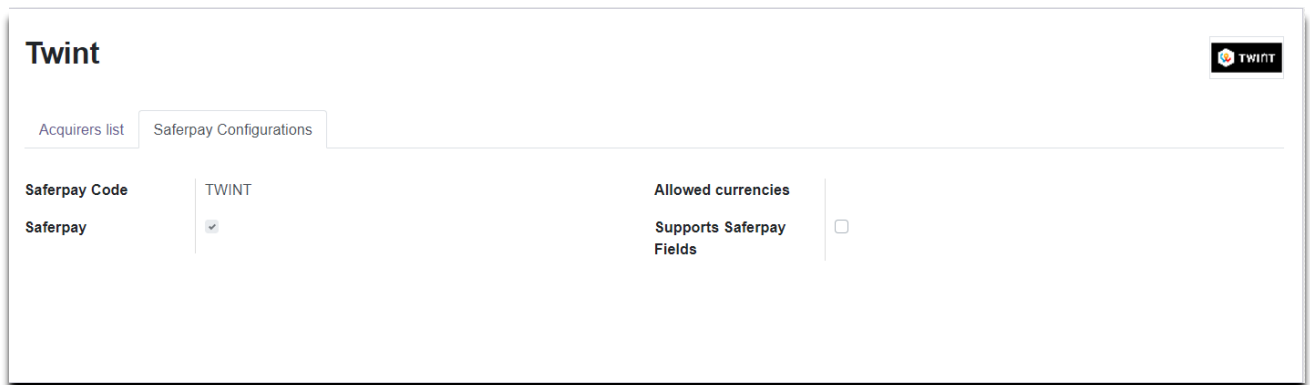


Figure 7 - Payment Icon form View

Here we can set the allowed currency and code that are used for Saferpay transaction.

- Saferpay Code: - Code that is used for Saferpay communication. To identify the payment method used for the transaction.
- Allowed Currencies: - Used to set up the predefined currencies to that payment method.

Acquirer Configurations in Backend

- We can set the acquirers/payment methods for Saferpay from the menu Invoicing → Configuration → Payment Acquirers, as shown in the figure.

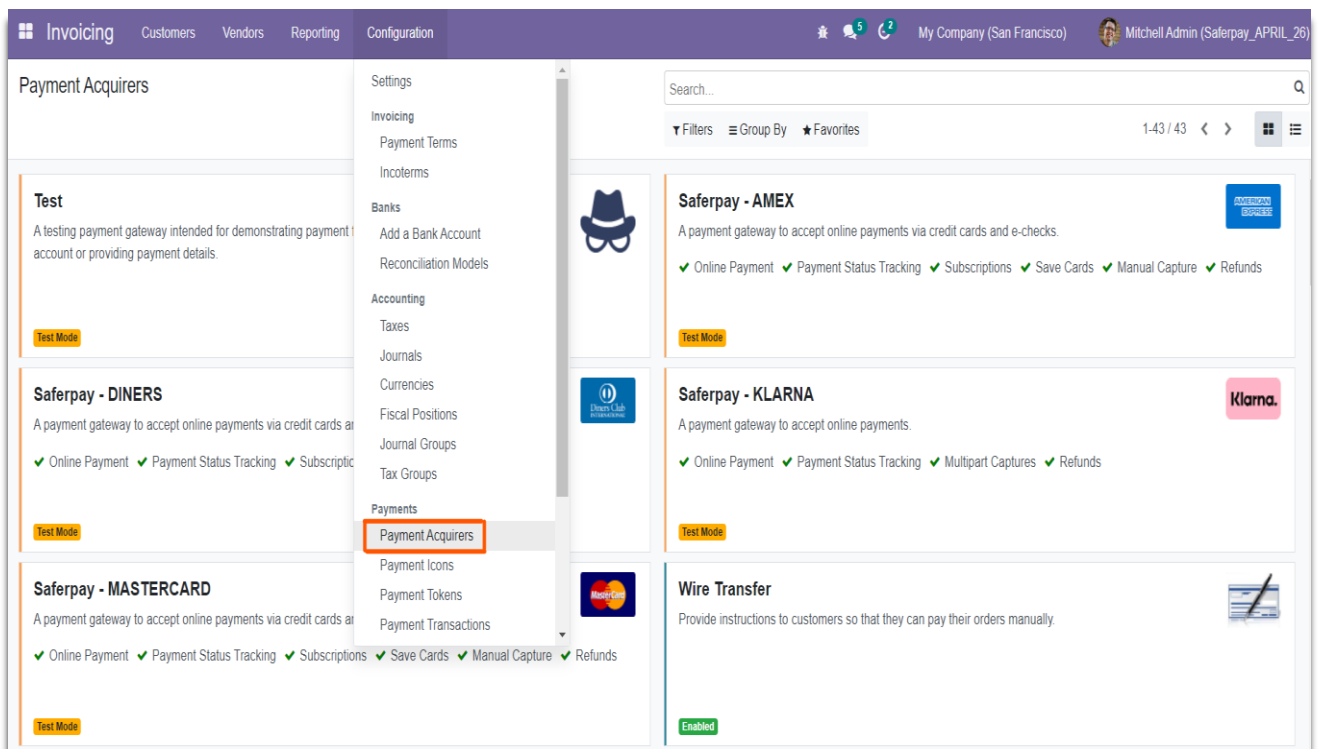
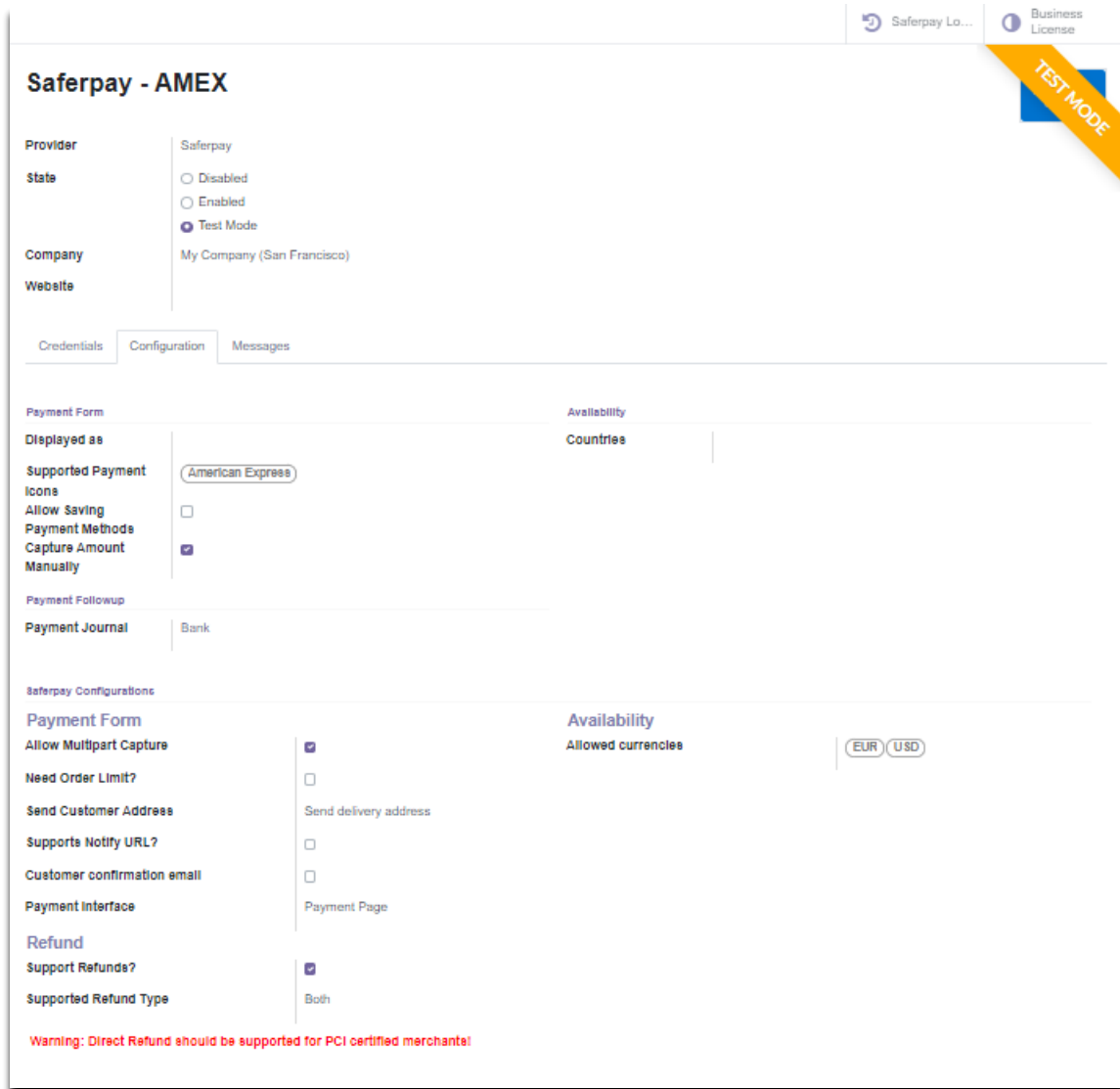


Figure 8 – Payment Acquirer Kanban View



Saferpay - AMEX

Provider: Saferpay

State: Disabled Enabled Test Mode

Company: My Company (San Francisco)

Website:

Credentials | Configuration | Messages

Payment Form

Displayed as: American Express

Supported Payment Icons: Allow Saving Payment Methods Capture Amount Manually

Payment Followup

Payment Journal: Bank

Saferpay Configurations

Payment Form

Allow Multipart Capture:

Need Order Limit?:

Send Customer Address: Send delivery address

Supports Notify URL?:

Customer confirmation email:

Payment Interface: Payment Page

Refund

Support Refunds?:


Supported Refund Type: Both

Warning: Direct Refund should be supported for PCI certified merchants!


Figure 9 - Payment Acquirers form view

Here we can set the Odoo default configurations for acquirers

- Payment Journal: - Used to set up the Journal used for this acquirer.
- Capture Amount Manually: - If selected then the manual capture option is get activated for that acquirer.
- Allow Saving Payment Methods: - An option for the customer for saving the card details.

Saferpay - AMEX Test Mode


Save my payment details

Saferpay - DINERS Test Mode



Saferpay - MASTERCARD Test Mode


Figure 10 Save Card feature enabled.

- Supported Payment Icons: -Used to configure the Supported payment icons, from payment Icons we get the Allowed Currencies and Code for Payment Method.

Saferpay Configurations

<p>Payment Form</p> <p>Need Order Limit? <input type="checkbox"/></p> <p>Send Customer Address <input type="checkbox"/> Send delivery address</p> <p>Supports Notify URL? <input type="checkbox"/></p> <p>Support Recurring Payments <input checked="" type="checkbox"/></p> <p>Recurring Payment Method <input type="checkbox"/> Acquirer & SCD</p> <p>Customer confirmation email <input type="checkbox"/></p> <p>Payment Interface <input type="checkbox"/> Transaction Interface</p> <p>Register Payment Type <input type="checkbox"/> CARD</p> <p>Refund</p> <p>Support Refunds? <input checked="" type="checkbox"/></p> <p>Supported Refund Type <input type="checkbox"/> Both</p>	<p>Availability</p> <p>Allowed currencies USD</p>
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Warning: Direct Refund should be supported for PCI certified merchants!

Figure 12 – Saferpay Configuration for Payment acquirers

Configurations only for Saferpay acquirers

- Need Order Limit? - If checked we can set the minimum and maximum order limits.
- Send Customer Address: - Used to decide to send the customer delivery and billing address to Saferpay back office.

- Support Notify Url: - It is used to set this acquirer's support Notify URL.
- Support Recurring Payments: - It is used to set this acquirer support recurring payment
 - if so you need to set the other option too.
 - Recurring Payment Method: - It is used to specify this acquirer SCD and the method is support recurring
- Customer Confirmation email: - It is used to set whether a customer confirmation email is needed.
- Allowed Currencies: - The Allowed Currencies are loaded from Payment Icons, the listing of payment methods on the payment page depends upon this currency. If the shop currency is not listed in this allowed Currencies, then it is not listed on the shop payment page.
- Enable Styling: - It is used to give styling to the payment page of the acquirer website (Saferpay payment page).
- Payment Interface: - It is used to shift the payment interface, there are 3 options,
 - Payment page: - If enabled, then the checkout page will direct to the Saferpay Payment page.
 - Transaction Interface: - If enabled, then the checkout page will load the transaction interface (iframe).
 - SaferpayFields: - If Checked then it is shifted to SaferpayFields workflow. The workflow is the same as an iframe, the data is captured by a fully PCI-certified system.
- Register Payment Type: - This is used to define the type of payment method/acquirer, it is more important for saving cards. Which are,
 - CARD
 - BANK_ACCOUNT
 - POSTFINANCE
 - TWINT
- Support Refunds? - It is used to specify whether this acquirer support refund.
- **Smart buttons**
- Saferpay Acquirer Logging: - List of all logs regarding the API call used for this

acquirer.

- Business License: - This is used for license switching, e-Commerce, and Business license.

3.0 PAYMENT INTERFACE

- Go to menu Invoicing → Configuration → Payment Acquirers, choose the acquirer, for example, American Express is the acquirer than the configuration of the payment flow as shown below figure.

Payment Form		Availability	
Displayed as		Countries	
Supported Payment Icons	American Express		
Allow Saving	<input type="checkbox"/>		
Payment Methods			
Capture Amount	<input checked="" type="checkbox"/>		
Manually			
Payment Followup			
Payment Journal	Bank		
Safepay Configurations			
Payment Form		Availability	
Allow Multipart Capture	<input checked="" type="checkbox"/>	Allowed currencies	EUR USD
Need Order Limit?	<input type="checkbox"/>		
Send Customer Address	Send delivery address		
Supports Notify URL?	<input type="checkbox"/>		
Customer confirmation email	<input type="checkbox"/>		
Payment Interface	Payment Page		
Refund			
Support Refunds?	<input checked="" type="checkbox"/>		
Supported Refund Type	Both		

Warning: Direct Refund should be supported for PCI certified merchants!

Figure 13 – Configuration for Payment page

- Go to menu Invoicing → Configuration → Payment Acquirers, choose the acquirer, for example, American Express is the acquirer than the configuration of the transaction flow as shown below figure.
- Need to switch the acquirer license to a Business license to activate this flow.

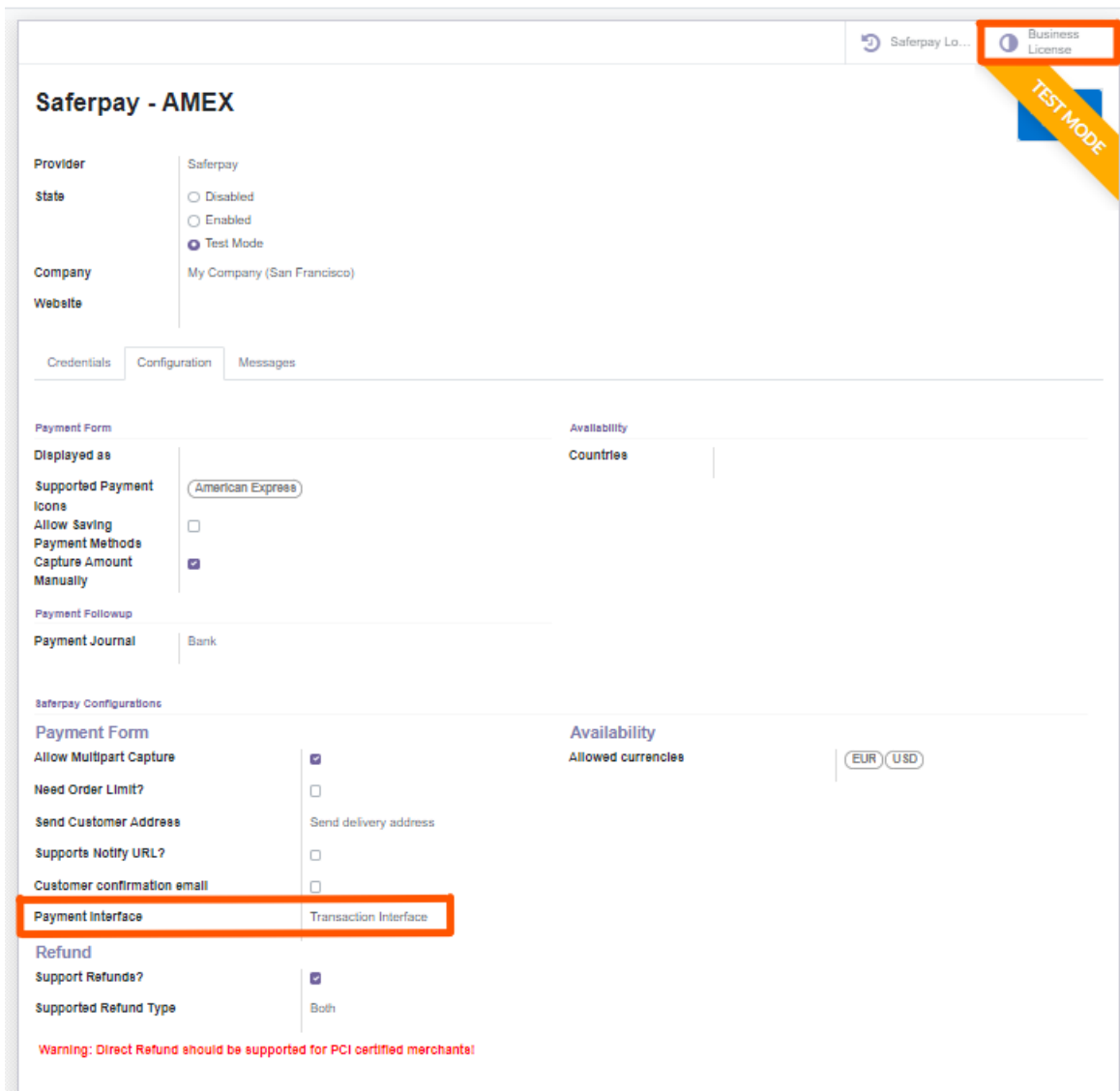
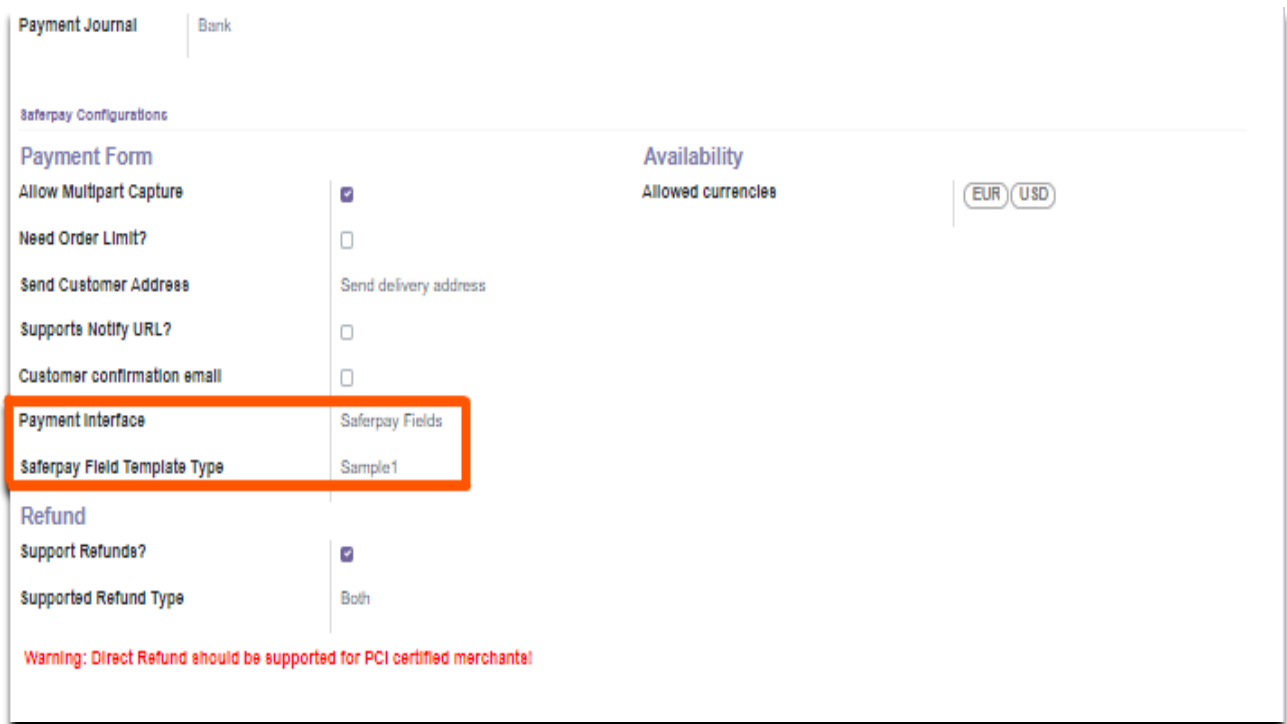


Figure 14 – Configuration for Transaction Interface

- Go to menu Invoicing → Configuration → Payment Acquirers, choose the acquirer, for example, credit/debit is the acquirer then the configuration of the Saferpayfields flow as shown below figure.
- In the Configuration page payment flow set to “Redirection to the acquirer website”
- Payment Interface is set to “SaferpayFields”, and need to switch the acquirer license to Business license for activate this flow.
- Need to set one Template for SaferpayFields from the field “Saferpay Field Template Type” as shown in the figure.



The screenshot shows the configuration page for a payment acquirer. It is divided into sections: 'Payment Form', 'Availability', and 'Refund'. The 'Payment Form' section contains several settings, with 'Payment Interface' set to 'Saferpay Fields' and 'Saferpay Field Template Type' set to 'Sample1'. The 'Availability' section shows 'Allowed currencies' as EUR and USD. The 'Refund' section shows 'Support Refunds?' checked and 'Supported Refund Type' set to 'Both'. A warning message at the bottom states: 'Warning: Direct Refund should be supported for PCI certified merchants!'

Saferpay Configurations	
Payment Form	
Allow Multipart Capture	<input checked="" type="checkbox"/>
Need Order Limit?	<input type="checkbox"/>
Send Customer Address	Send delivery address
Supports Notify URL?	<input type="checkbox"/>
Customer confirmation email	<input type="checkbox"/>
Payment Interface	Saferpay Fields
Saferpay Field Template Type	Sample1
Refund	
Support Refunds?	<input checked="" type="checkbox"/>
Supported Refund Type	Both

Warning: Direct Refund should be supported for PCI certified merchants!

Figure 15 - Saferpay Field Configuration

6.0 SAVE CARD

- We can set the save card option from the acquirer form, as discussed in the above points.
- The save card option only works with Transaction Interface.
- The saved cards are listed under the menu Invoicing → Configuration → Saved Payment Data/Payment Token, as shown below figure

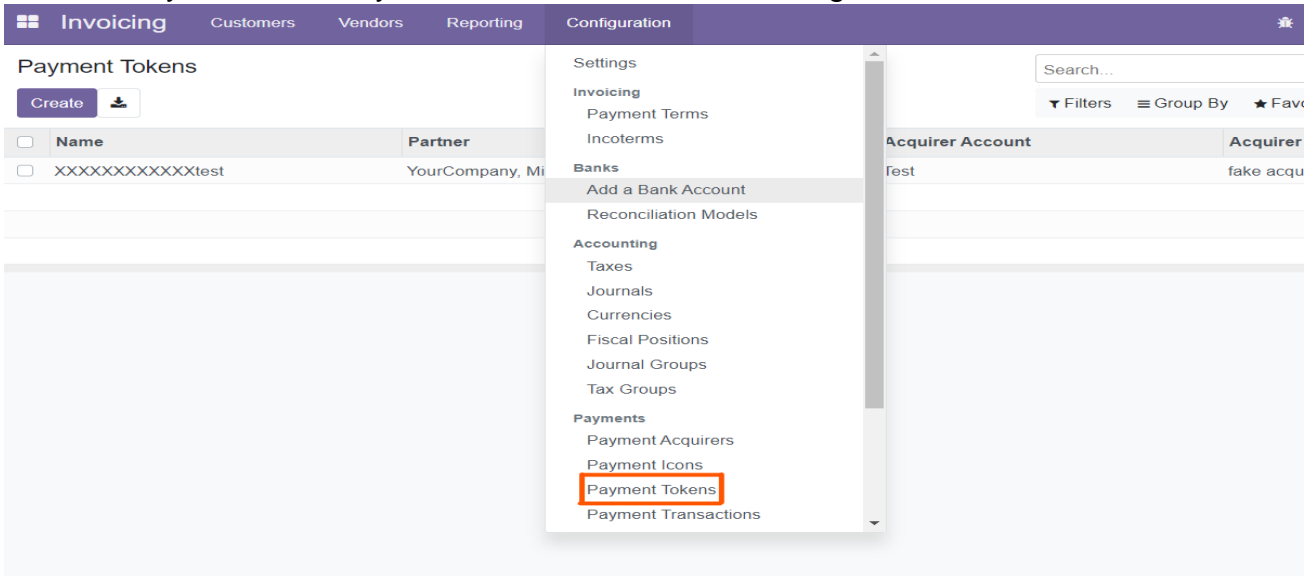


Figure 16 - Saved Card list view

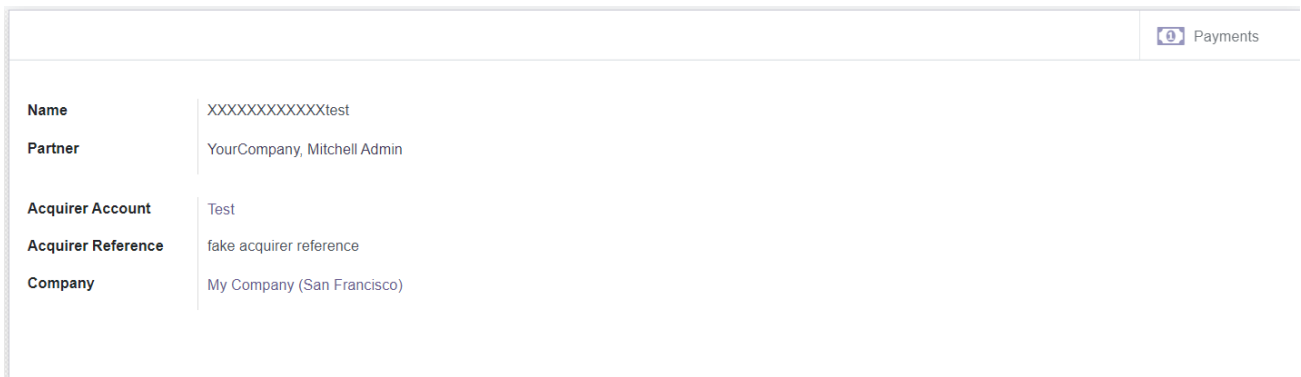


Figure 17 – Saved Card Form view

- Payments - button provides the list of transactions done by the selected token.

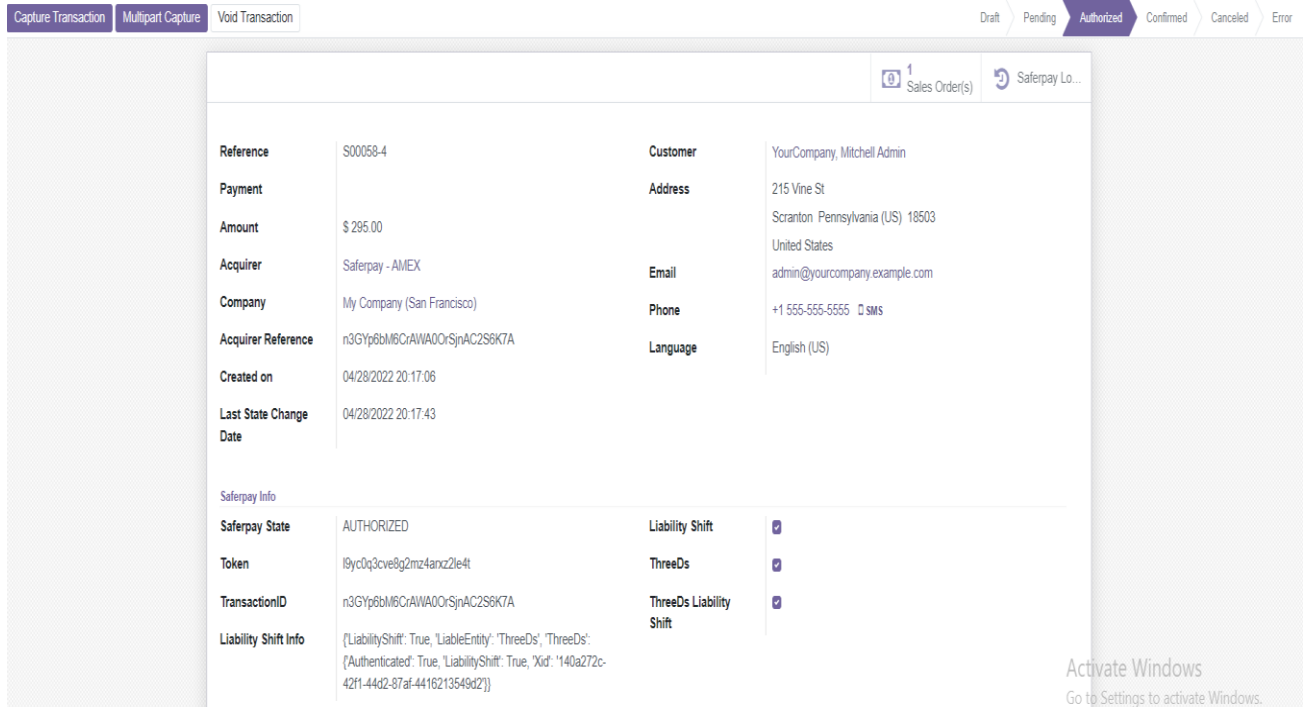
7.0 MULTIPART CAPTURE & MANUAL CAPTURE & CANCEL TRANSACTION

- Go to the menu Invoicing → Configuration → Payment Acquirer, choose the acquirer, we can see an option for setting multipart capture (“Capture Amount Manually”) after enabling the Capture Amount Manually. As shown below.

Figure 18 – Manually Capture Configuration

Transaction Status

- If we create one transaction with this acquirer (with this configuration), then the transaction status is in the “Authorized/ Pending” state, as shown below figure. We can see the transaction from the menu Invoicing → Configuration → Payment Transactions.



The screenshot shows a payment transaction interface with the following details:

Transaction Details		Customer Information	
Reference	S00058-4	Customer	YourCompany, Mitchell Admin
Payment		Address	215 Vine St Scranton Pennsylvania (US) 18503 United States
Amount	\$ 295.00	Email	admin@yourcompany.example.com
Acquirer	Saferpay - AMEX	Phone	+1 555-555-5555 <input type="checkbox"/> sms
Company	My Company (San Francisco)	Language	English (US)
Acquirer Reference	n3Gyp6bM6CrAWA0OrSjnAC2S6K7A		
Created on	04/28/2022 20:17:06		
Last State Change Date	04/28/2022 20:17:43		

Saferpay Info		Saferpay Settings	
Saferpay State	AUTHORIZED	Liability Shift	<input checked="" type="checkbox"/>
Token	l9yc0q3cve8g2mz4ancz2le4t	ThreeDs	<input checked="" type="checkbox"/>
TransactionID	n3Gyp6bM6CrAWA0OrSjnAC2S6K7A	ThreeDs Liability Shift	<input checked="" type="checkbox"/>
Liability Shift Info	{"LiabilityShift": True, "LiabeEntity": "ThreeDs", "ThreeDs": {"Authenticated": True, "LiabilityShift": True, "Xid": "140a272c-42f1-44d2-87af-4416213549d2"}}		

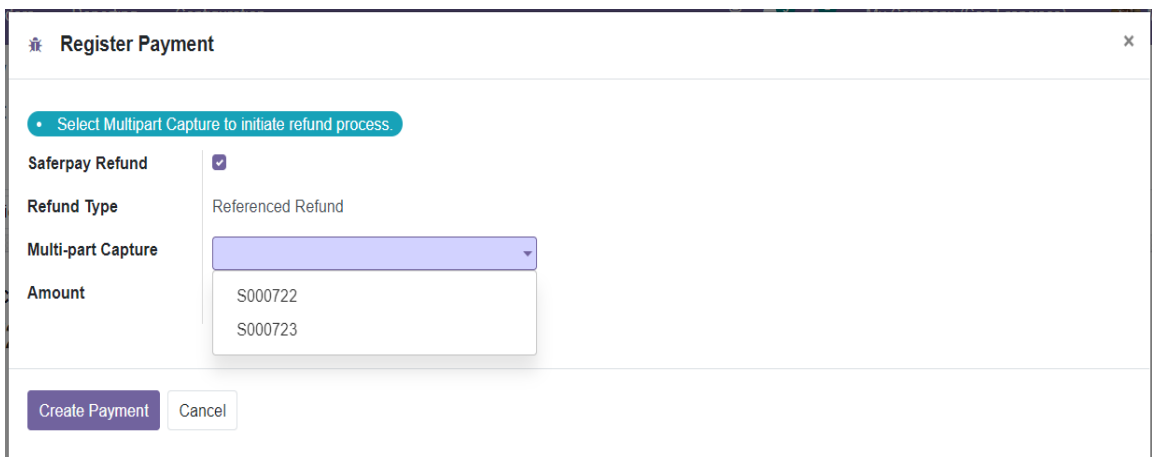
Figure 19 – Manual/Multipart Capture

Activate Windows
Go to Settings to activate Windows.

- We can capture the amount once and partially. By using the Capture Transaction button, the full amount is captured, by using Multipart Capture we can capture the amount partially.
- By using the Void Transaction button, we can cancel the transaction.

8.0 REFUND

- For the refund option need to switch the acquirer in the Business license.
- The refund option has two options
 - Referenced Refund: - In this case, the original transaction reference is present in the Saferpay back-office.
 - Referenced refund can be done as refunding of Multipart (Manual) captured transactions and Normal captured transactions.



Register Payment

Select Multipart Capture to initiate refund process.

Saferpay Refund

Refund Type Referenced Refund

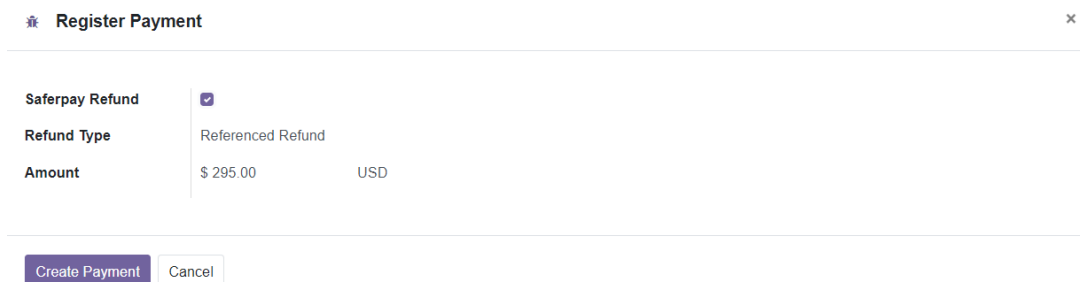
Multi-part Capture ▼

Amount

- S000722
- S000723

Create Payment Cancel

Figure 22– Multipart capture- Refund



Register Payment

Saferpay Refund

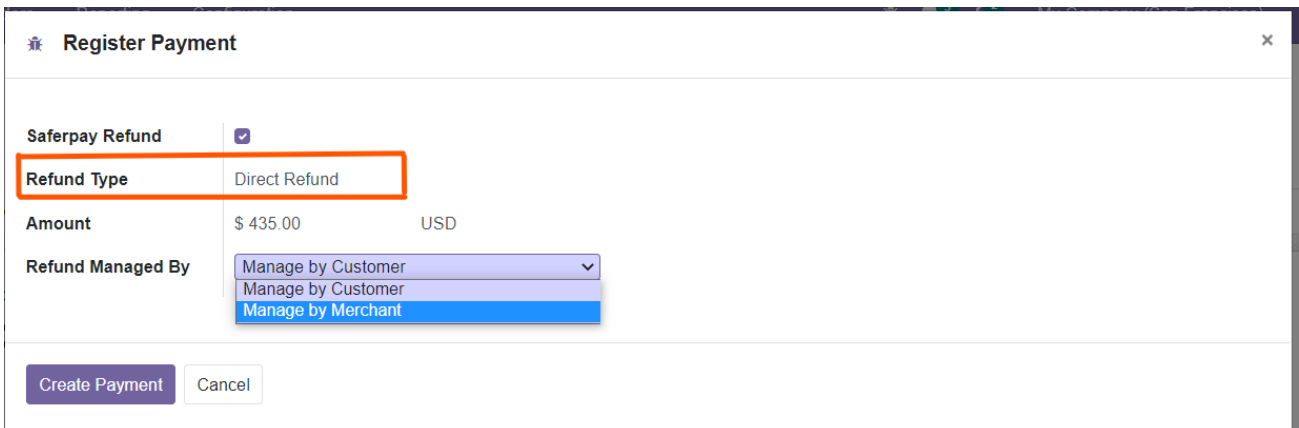
Refund Type Referenced Refund

Amount \$ 295.00 USD

Create Payment Cancel

Figure 2 – Normal refund

- Refund Direct: - In this case, the original transaction does not present in the Saferpay back-office, for example: - cash on delivery cases. In this case, there is two option to refund the amount to the customer.
 - Refund by merchant: - This option is possible if any of the cards are saved against the customer. If no cards, then the refund will continue with the other options, i.e., the Refund by Customer option, which will automatically compute on the credit card payment page.
 - Refund by Customer: - If no card is saved against this customer, then the customer has to enter the card details.



The screenshot shows a web form titled "Register Payment". It contains the following fields and options:

- Saferpay Refund:** A checkbox that is checked.
- Refund Type:** A dropdown menu with "Direct Refund" selected. This field is highlighted with an orange border in the image.
- Amount:** "\$ 435.00 USD".
- Refund Managed By:** A dropdown menu with three options: "Manage by Customer", "Manage by Customer", and "Manage by Merchant". The "Manage by Merchant" option is highlighted in blue.

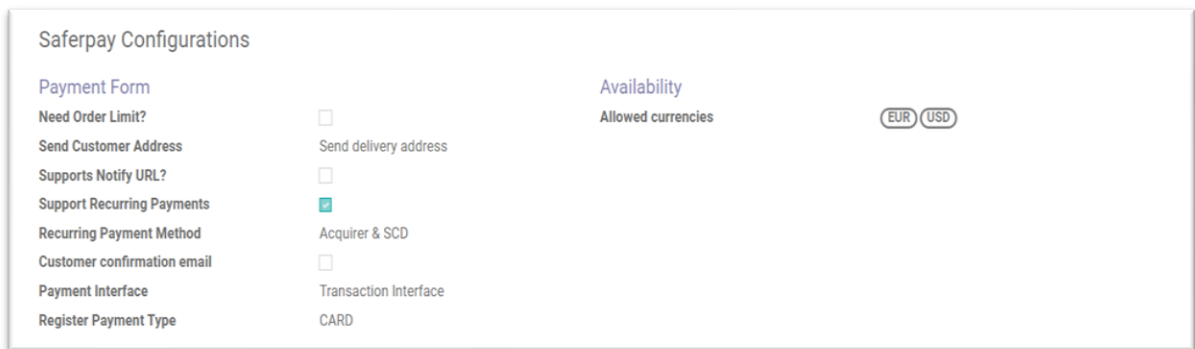
At the bottom of the form, there are two buttons: "Create Payment" and "Cancel".

Figure 20 - Direct Refund

- Some of the payment methods don't support direct, so need to refer to Saferpay documentation before configuration.

9.0 RECURRING TRANSACTION

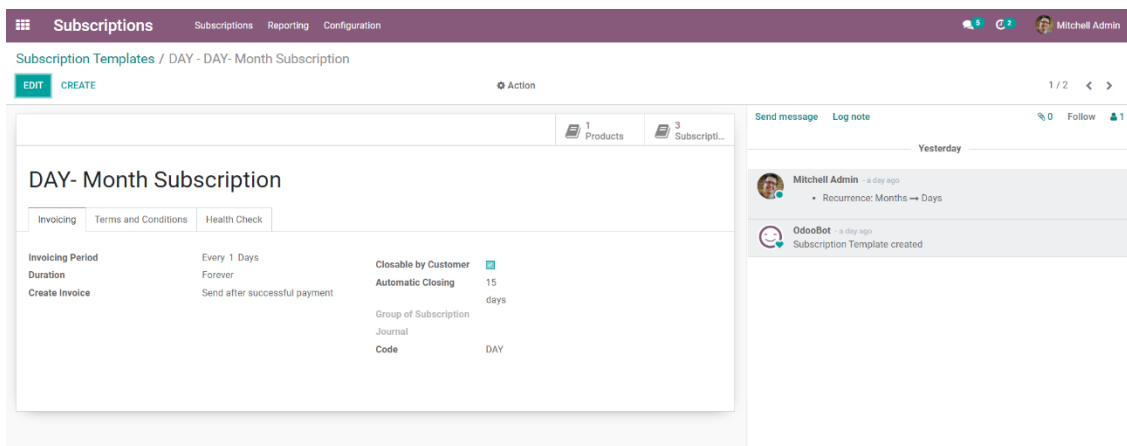
- Go to the menu Invoicing → Configuration → Payment Acquirer, choose the acquirer, and set the field Support Recurring Payments and the Recurring Payment Method field.



The screenshot shows the 'Saferpay Configurations' form. It is divided into two main sections: 'Payment Form' and 'Availability'.
Payment Form:
 - Need Order Limit?
 - Send Customer Address Send delivery address
 - Supports Notify URL?
 - Support Recurring Payments
 - Recurring Payment Method: Acquirer & SCD
 - Customer confirmation email
 - Payment Interface: Transaction Interface
 - Register Payment Type: CARD
Availability:
 - Allowed currencies: EUR USD

Figure 21- Recurring Transaction Payment Acquirer Config

- Check Saferpay documentation before set up, because some of the payment methods don't support recurring payments.
- Go to the Subscriptions → Configuration → Subscription Templates, to set up the template for a subscription.

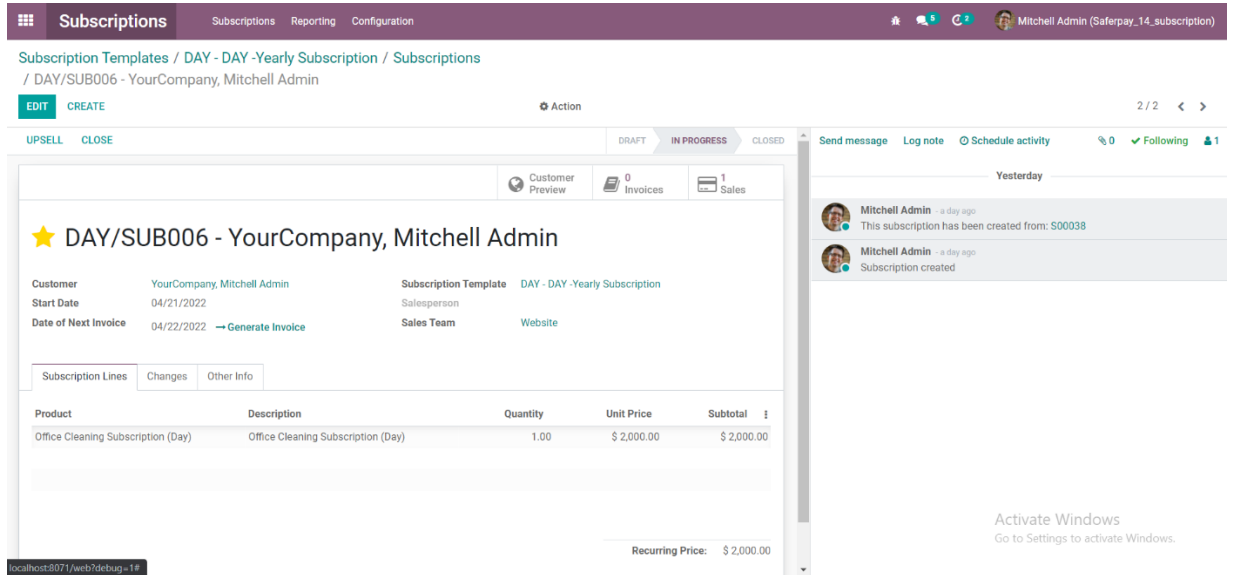


The screenshot shows the 'Subscriptions' configuration page in Odoo. The main content area is titled 'DAY- Month Subscription' and has tabs for 'Invoicing', 'Terms and Conditions', and 'Health Check'.
Invoicing Tab:
 - Invoicing Period: Every 1 Days
 - Duration: Forever
 - Create Invoice: Send after successful payment
 - Closable by Customer:
 - Automatic Closing: 15 days
 - Group of Subscription: Journal
 - Code: DAY
Right Panel (Messages):
 - Yesterday
 - Mitchell Admin - a day ago: Recurrence: Months → Days
 - OdooBot - a day ago: Subscription Template created

Figure 22 Subscription Template.

- After selecting a subscription product from the shop, and continuing it with the Saferpay payment method, then one recurring transaction is created on the Saferpay back-office.

- Next payments are created based on the next execution date and cron job actions, the payment processing is depending on the configuration set up in the Subscription Template.



The screenshot displays a web application interface for managing subscriptions. The main header shows 'Subscriptions' with sub-menus for 'Subscriptions', 'Reporting', and 'Configuration'. The breadcrumb trail indicates the current view is 'Subscription Templates / DAY - DAY -Yearly Subscription / Subscriptions / DAY/SUB006 - YourCompany, Mitchell Admin'. The interface includes buttons for 'EDIT', 'CREATE', 'UPSELL', and 'CLOSE'. A status bar shows 'DRAFT', 'IN PROGRESS', and 'CLOSED' options. A right-hand sidebar contains communication tools like 'Send message', 'Log note', and 'Schedule activity', along with a 'Following' indicator. The main content area features a star icon and the title 'DAY/SUB006 - YourCompany, Mitchell Admin'. Below this, key details are listed: Customer (YourCompany, Mitchell Admin), Start Date (04/21/2022), Date of Next Invoice (04/22/2022), Subscription Template (DAY - DAY -Yearly Subscription), Salesperson, Sales Team, and Website. A 'Generate Invoice' button is also present. A table titled 'Subscription Lines' shows one line item: 'Office Cleaning Subscription (Day)' with a quantity of 1.00, a unit price of \$2,000.00, and a subtotal of \$2,000.00. At the bottom, the 'Recurring Price' is listed as \$2,000.00. A right-hand chat window shows a message from 'Mitchell Admin' stating 'This subscription has been created from: S00038' and another message 'Subscription created'. An 'Activate Windows' watermark is visible in the bottom right corner.

Figure 23- Subscriptions.