



User Manual

Saferpay Payment Provider Plugin for Odoo v17.0



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1. 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 system stakeholders and developers and will serve as the foundation for software development.

2. 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.

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
- EPS
- KLARNA

- UNIONPAY
- PAYPAL
- TWINT
- IDEAL
- EPRZELEWY
- ALIPAY
- GOOGLEPAY
- APPLEPAY
- POST FINANCE PAY
- ACCOUNT-TO-ACCOUNT
- SEPA ELV
- WECHAT PAY
- SAFERPAY CREDIT/DEBIT

Support all Saferpay features, including the payment page, transaction interface, Saferpay fields, saved card functionality, refund, and cancellation. Additionally, ensure multi-website compatibility.

3. Configurations and Requirements

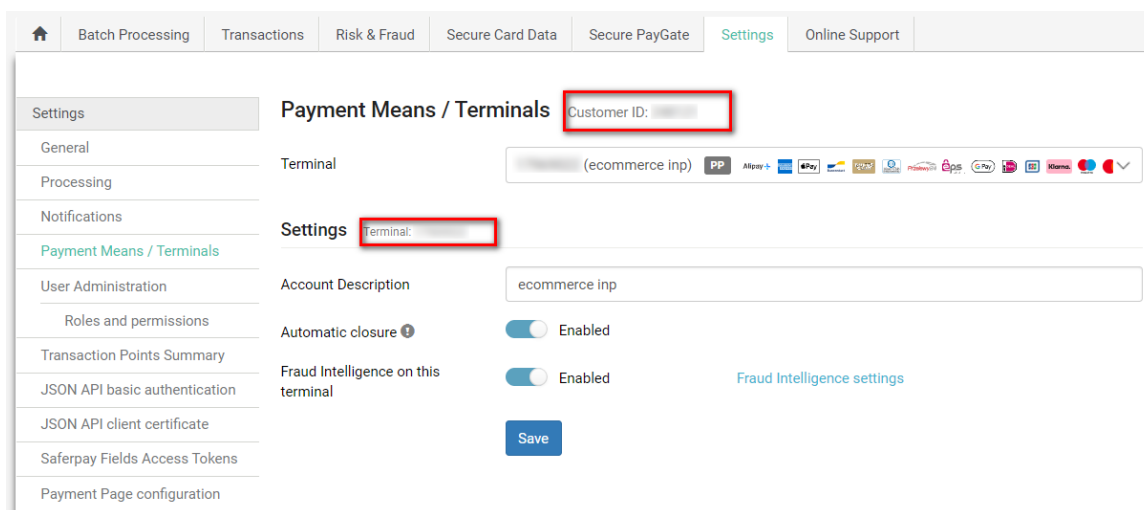
- ODOO working environment.
- License for Saferpay module.
- Before the installation, you must have a valid account on the Saferpay terminal.
- API credentials for Saferpay (Terminal ID, Customer ID, API Username and API Password) for Live and Test environment.
- A Valid Acceptance Agreement for payment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

4. General Configurations in the Backend

We can set the Saferpay configurations data by navigating to *Invoicing* → *Configuration* → *Saferpay Provider 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.

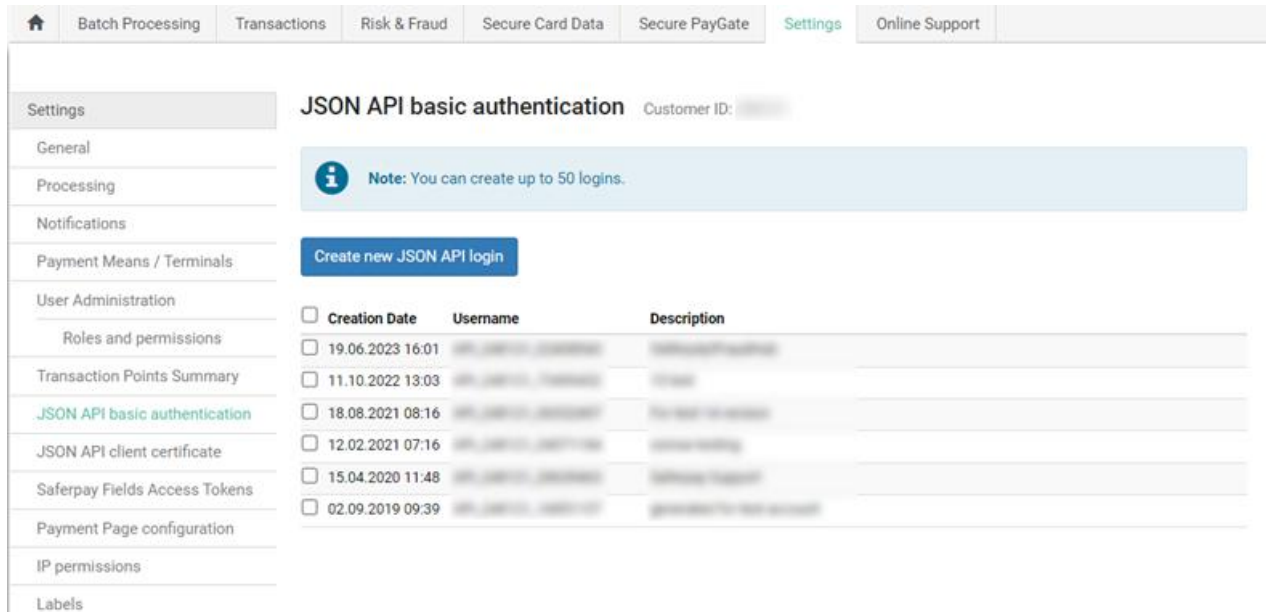
We can get the payment means and terminals from the menu *Settings* → *Payment Means / Terminals* in Saferpay Backoffice.



The screenshot displays the Saferpay Backoffice interface. At the top, there is a navigation bar with tabs: Batch Processing, Transactions, Risk & Fraud, Secure Card Data, Secure PayGate, Settings (active), and Online Support. On the left, a sidebar menu lists various settings categories, with 'Payment Means / Terminals' highlighted. The main content area is titled 'Payment Means / Terminals' and contains several configuration sections. The 'Customer ID' field is highlighted with a red box. Below it, the 'Terminal' field is also highlighted with a red box. Other visible fields include 'Account Description' (set to 'ecommerce inp'), 'Automatic closure' (set to 'Enabled'), and 'Fraud Intelligence on this terminal' (set to 'Enabled'). A 'Save' button is located at the bottom right of the configuration area.

Figure 1 - General Configuration

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



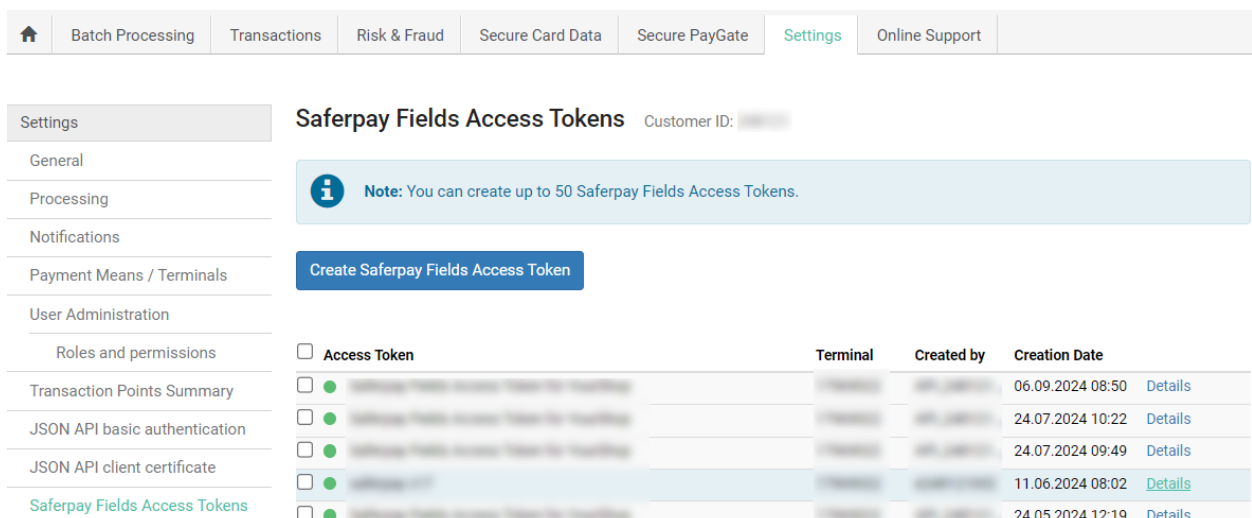
The screenshot shows the 'JSON API basic authentication' settings page in the Saferpay Backoffice. The left sidebar contains a menu with options: Settings, General, Processing, Notifications, Payment Means / Terminals, User Administration, Roles and permissions, Transaction Points Summary, JSON API basic authentication (highlighted), JSON API client certificate, Saferpay Fields Access Tokens, Payment Page configuration, IP permissions, and Labels. The main content area has a header with 'JSON API basic authentication' and a 'Customer ID' field. Below this is a note: 'Note: You can create up to 50 logins.' and a 'Create new JSON API login' button. A table lists existing logins with columns: Creation Date, Username, and Description. The table contains 6 rows of data.

Creation Date	Username	Description
19.06.2023 16:01	SAFEPAY-JSON-API-LOGIN	SAFEPAY-JSON-API-LOGIN
11.10.2022 13:03	SAFEPAY-JSON-API-LOGIN	SAFEPAY-JSON-API-LOGIN
18.08.2021 08:16	SAFEPAY-JSON-API-LOGIN	SAFEPAY-JSON-API-LOGIN
12.02.2021 07:16	SAFEPAY-JSON-API-LOGIN	SAFEPAY-JSON-API-LOGIN
15.04.2020 11:48	SAFEPAY-JSON-API-LOGIN	SAFEPAY-JSON-API-LOGIN
02.09.2019 09:39	SAFEPAY-JSON-API-LOGIN	SAFEPAY-JSON-API-LOGIN

Figure 2 – Retrieving JSON API Keys

- **API Key:** Set the API key that is used for Saferpay Fields.

We can create new API Tokens in the Saferpay Backoffice, from menu *Settings* → *Saferpay Fields Access Tokens*.



The screenshot shows the 'Saferpay Fields Access Tokens' settings page in the Saferpay Backoffice. The left sidebar contains a menu with options: Settings, General, Processing, Notifications, Payment Means / Terminals, User Administration, Roles and permissions, Transaction Points Summary, JSON API basic authentication, JSON API client certificate, Saferpay Fields Access Tokens (highlighted), Payment Page configuration, IP permissions, and Labels. The main content area has a header with 'Saferpay Fields Access Tokens' and a 'Customer ID' field. Below this is a note: 'Note: You can create up to 50 Saferpay Fields Access Tokens.' and a 'Create Saferpay Fields Access Token' button. A table lists existing tokens with columns: Access Token, Terminal, Created by, and Creation Date. The table contains 6 rows of data.

Access Token	Terminal	Created by	Creation Date
SAFEPAY-FIELDS-ACCESS-TOKEN-1	SAFEPAY-TERMINAL-1	SAFEPAY-JSON-API-LOGIN	06.09.2024 08:50
SAFEPAY-FIELDS-ACCESS-TOKEN-2	SAFEPAY-TERMINAL-1	SAFEPAY-JSON-API-LOGIN	24.07.2024 10:22
SAFEPAY-FIELDS-ACCESS-TOKEN-3	SAFEPAY-TERMINAL-1	SAFEPAY-JSON-API-LOGIN	24.07.2024 09:49
SAFEPAY-FIELDS-ACCESS-TOKEN-4	SAFEPAY-TERMINAL-1	SAFEPAY-JSON-API-LOGIN	11.06.2024 08:02
SAFEPAY-FIELDS-ACCESS-TOKEN-5	SAFEPAY-TERMINAL-1	SAFEPAY-JSON-API-LOGIN	24.05.2024 12:19

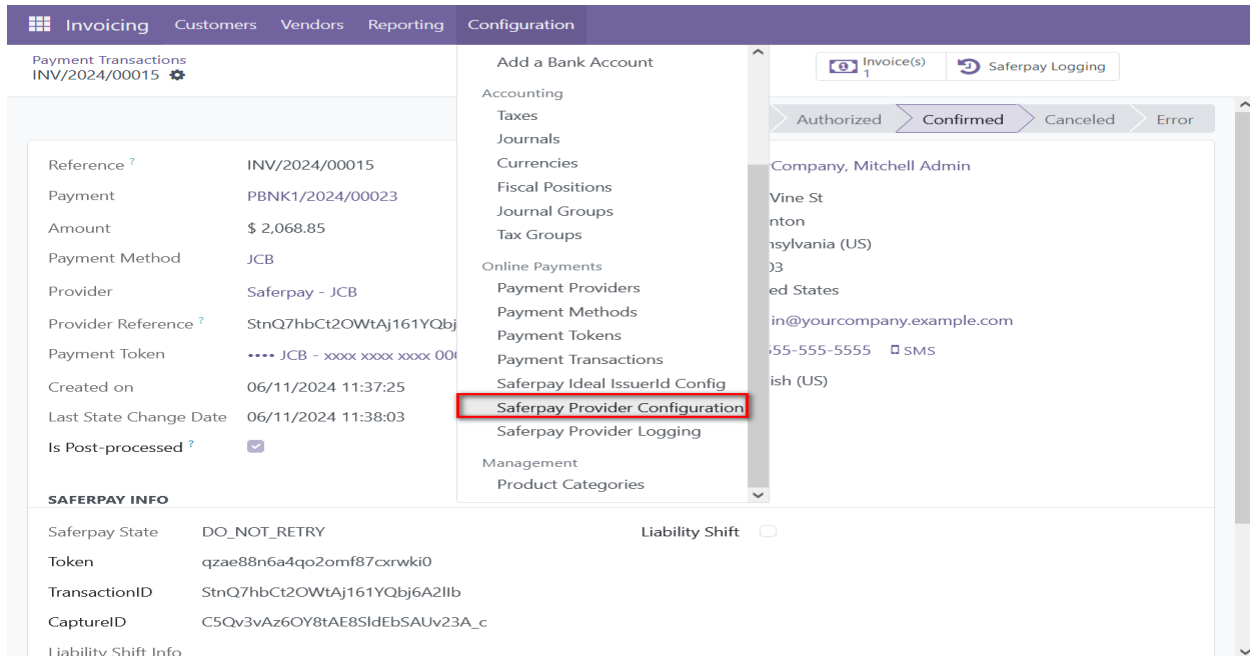
Figure 3 – Retrieving Saferpay field access token

- **Liability Shift Behaviour:** If the liability shifts (liability shift is used to check this transaction is done by any fraud user) of the card gets failed, then the workflow proceeds with this setting, there are two liability shift behaviours, they are,
 - Hold
 - Cancel

Note: If no option is selected, the capture settings of the respective payment method will be applied by default.

Force 3D secure authentication during transactions: If enabled, Saferpay will ensure a Forced 3ds authentication. The 3ds authentication type is also displayed in Transaction overview section.

- **Payment Method Synchronization:** Automatically retrieves and configure all available payment methods from the Saferpay account.
- **Customer License:** Fetches license package and features details from Saferpay and adds them under *Invoicing-> Configuration -> Saferpay Provider Configuration -> Customer License*.
- **Create API Key:** Generates the API key required for Saferpay field functionality.
- **Send Status Email:** Sends status update emails to customer.
- **Update Payment Method Logo From Saferpay(svg):** If this field is enabled, the system will automatically run a weekly cron job to update the payment provider's logo. If disabled, a static image will be used instead.



Configuration

- Add a Bank Account
- Accounting
 - Taxes
 - Journals
 - Currencies
 - Fiscal Positions
 - Journal Groups
 - Tax Groups
- Online Payments
 - Payment Providers
 - Payment Methods
 - Payment Tokens
 - Payment Transactions
 - Saferpay Ideal IssuerId Config
 - Saferpay Provider Configuration**
 - Saferpay Provider Logging
- Management
 - Product Categories

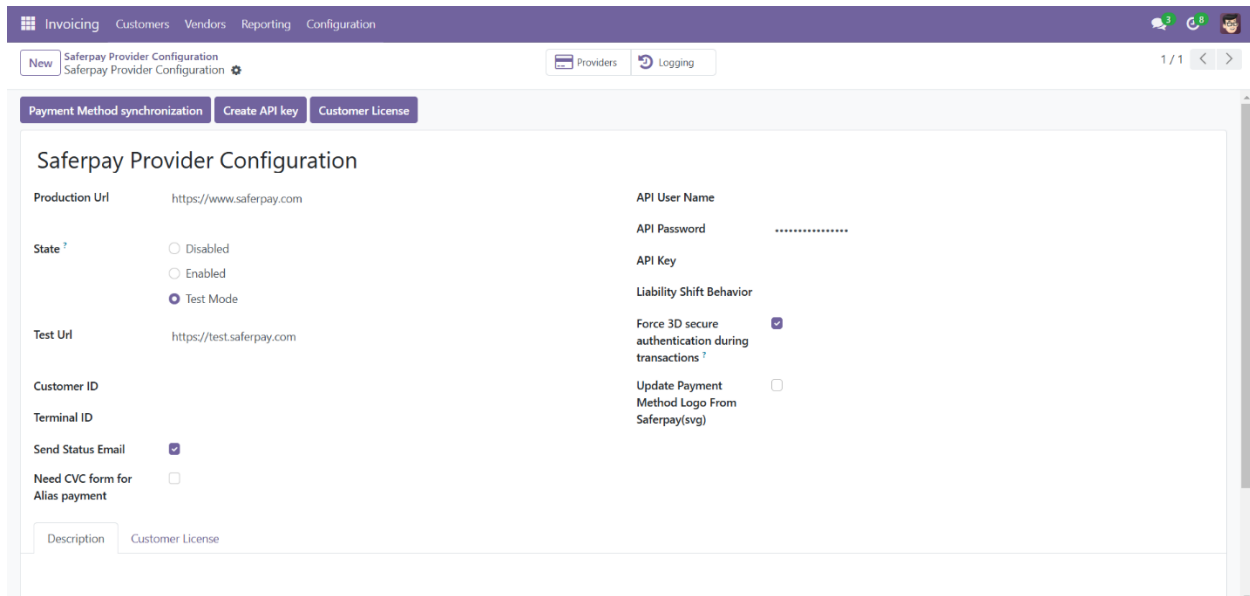
Payment Transactions
INV/2024/00015

Reference	Amount	Payment Method	Provider	Provider Reference	Payment Token	Created on	Last State Change Date	Is Post-processed
INV/2024/00015	\$ 2,068.85	JCB	Saferpay - JCB	StnQ7hbCt2OWtAj161YQbj	 JCB - xxxx xxxx xxxx 00	06/11/2024 11:37:25	06/11/2024 11:38:03	☒

SAFERPAY INFO

Saferpay State	DO_NOT_RETRY	Liability Shift	☐
Token	qzae88n6a4qo2omf87cxrwi0		
TransactionID	StnQ7hbCt2OWtAj161YQbj6A2Ilb		
CaptureID	C5Qv3vAz6OY8tAE8SldEbSAUv23A_c		
Liability Shift Info			

Figure 4 - Configuration List View



Saferpay Provider Configuration

Production Url:

State: ☐ Disabled ☐ Enabled ☒ Test Mode

Test Url:

Customer ID:

Terminal ID:

Send Status Email: ☒

Need CVC form for Alias payment: ☐

API User Name:

API Password:

API Key:

Liability Shift Behavior: ☐

Force 3D secure authentication during transactions: ☒

Update Payment Method Logo From Saferpay(svg): ☐

Description:

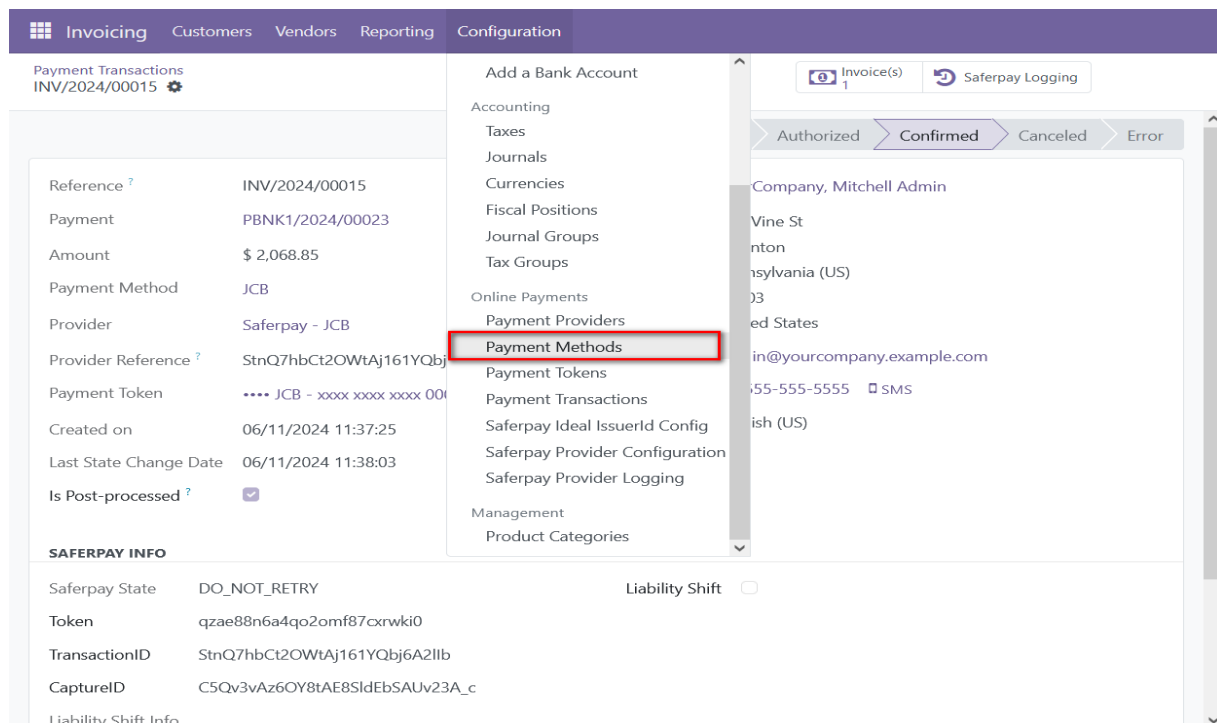
Figure 5 - Configuration Form View

- **Smart buttons**

- Providers: List of acquirers (Payment methods) under this configuration.
- Logging: List of all logs regarding the API call.

5. Payment Method Configurations

We can configure the payment methods for Saferpay from the menu *Invoicing* → *Configuration* → *Payment Methods*, as shown in the figure.



The screenshot shows the Odoo Invoicing Configuration menu. The 'Payment Methods' option is highlighted with a red box. The menu structure is as follows:

- Invoicing
 - Customers
 - Vendors
 - Reporting
 - Configuration
 - Add a Bank Account
 - Accounting
 - Taxes
 - Journals
 - Currencies
 - Fiscal Positions
 - Journal Groups
 - Tax Groups
 - Online Payments
 - Payment Providers
 - Payment Methods**
 - Payment Tokens
 - Payment Transactions
 - Saferpay Ideal IssuerId Config
 - Saferpay Provider Configuration
 - Saferpay Provider Logging
 - Management
 - Product Categories

The 'Payment Transactions' section shows details for invoice INV/2024/00015, including the payment method JCB and the provider Saferpay - JCB. The 'SAFERPAY INFO' section shows the Saferpay State as DO_NOT_RETRY and the Liability Shift as unchecked.

Figure 6 - Payment Methods list view

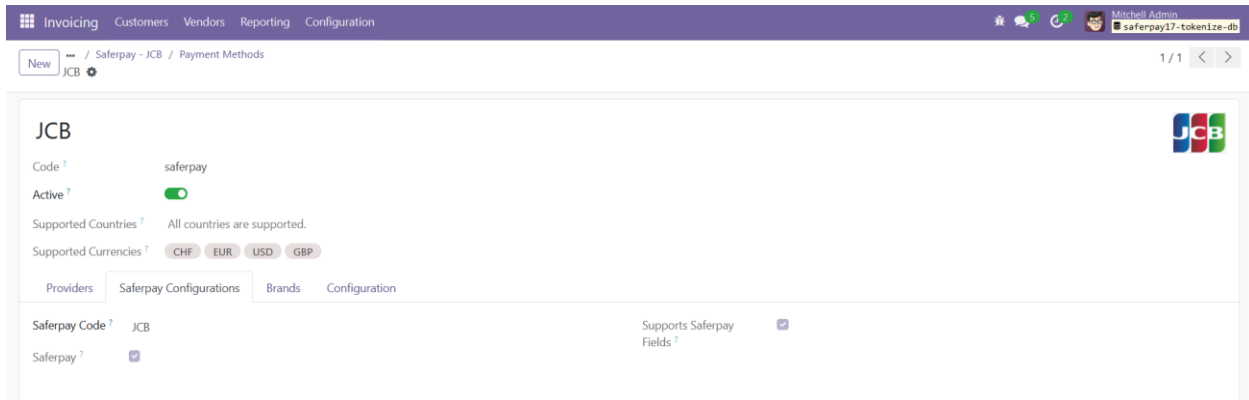


Figure 7 - Payment Method form View

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.

6. Provider Configurations in Backend

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

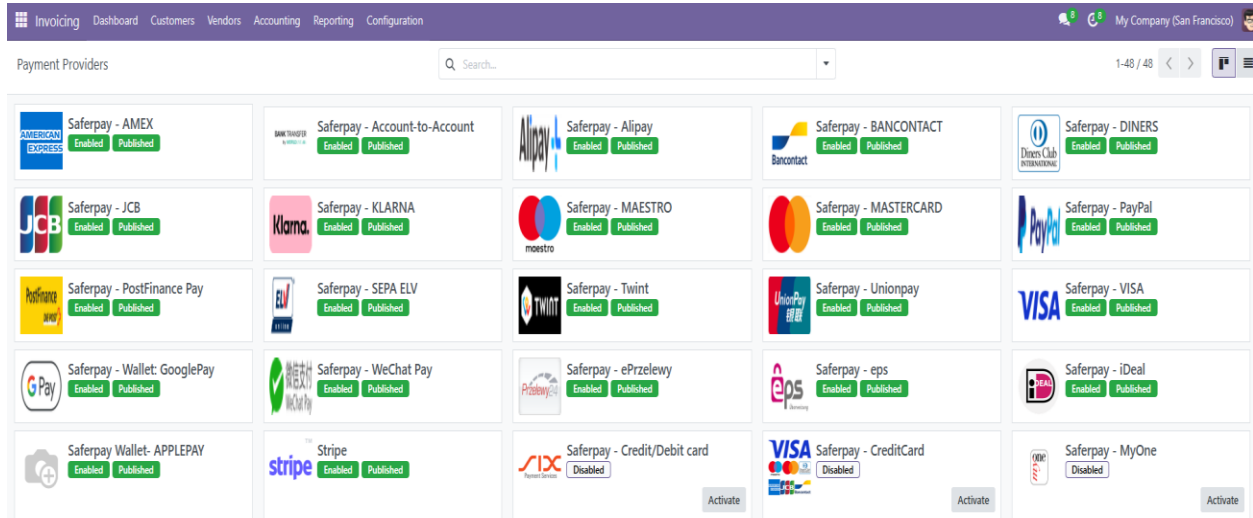
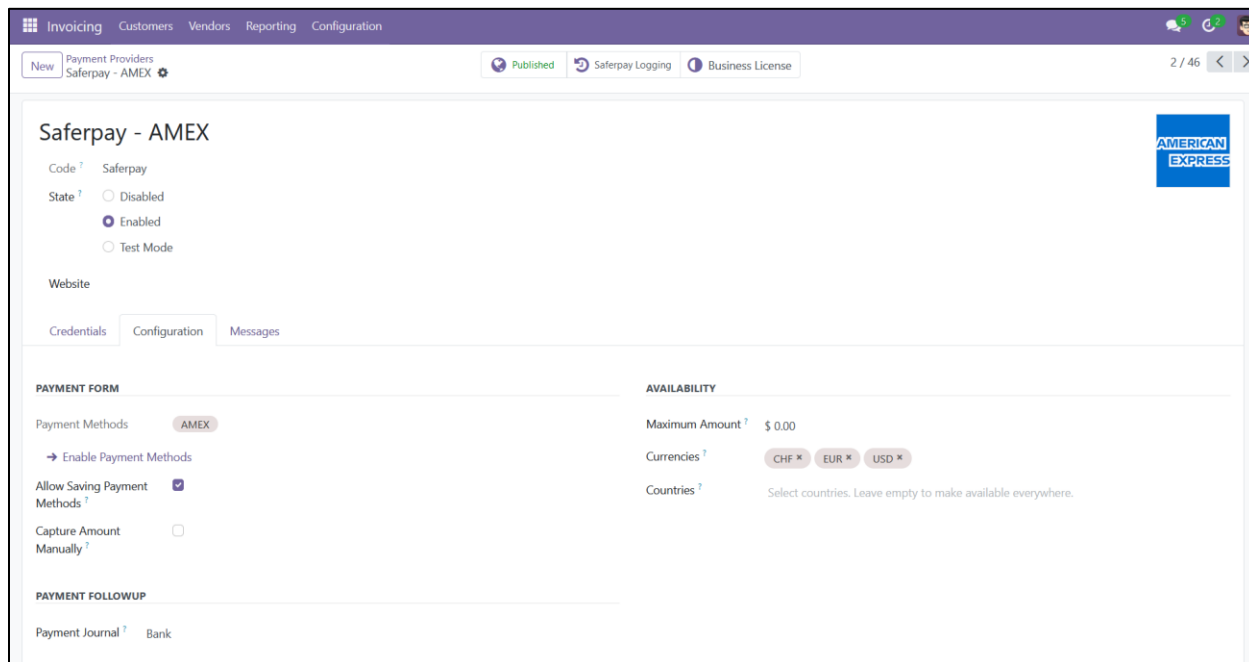


Figure 8 – Payment Providers Kanban View

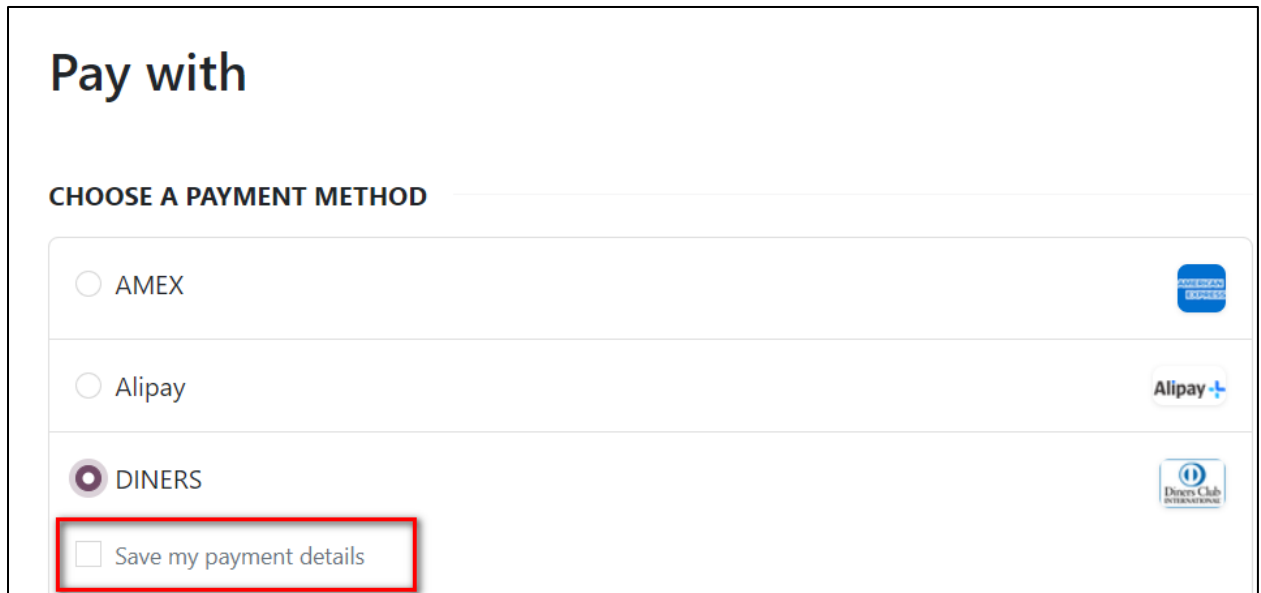


The screenshot displays the 'Saferpay - AMEX' configuration form in the Odoo system. The form is divided into several sections: 'Code' (Saferpay), 'State' (Enabled), 'Website', 'Credentials', 'Configuration', and 'Messages'. The 'PAYMENT FORM' section includes 'Payment Methods' (AMEX), 'Allow Saving Payment Methods' (checked), and 'Capture Amount Manually' (unchecked). The 'PAYMENT FOLLOWUP' section includes 'Payment Journal' (Bank). The 'AVAILABILITY' section includes 'Maximum Amount' (\$ 0.00), 'Currencies' (CHF, EUR, USD), and 'Countries' (Select countries. Leave empty to make available everywhere).

Figure 9 - Payment Providers form view

Here we can set the Odoo default configurations for providers:

- **Payment Journal:** Used to set up the Journal used for this provider.
- **Capture Amount Manually:** If selected then the manual capture option gets activated for that provider.
- **Allow Saving Payment Methods:** - An option that enables the card to be saved for future transactions from checkout page and from My Account -> Payment Methods.
 - **Tokenization:** This option is used along with the Allow Saving Payment methods feature. Go to related payment method of the provider -> *Configuration* -> *Enable "Tokenization Supported"* checkbox. This enables users to decide whether to save the card while making payment.
 - **My Account save card permission for Portal Users:** Go to *Settings* -> *Technical* -> *Access Rights*. Provide full access to Portal users for payment.token.system and payment.provider.system.



Pay with

CHOOSE A PAYMENT METHOD

☐ AMEX 

☐ Alipay 

☒ DINERS 

☐ Save my payment details

Figure 10 - Save Card feature enabled

- **Payment Methods:** -Used to display the Supported payment methods. We get the Allowed Currencies and Code for Payment provider from payment methods.

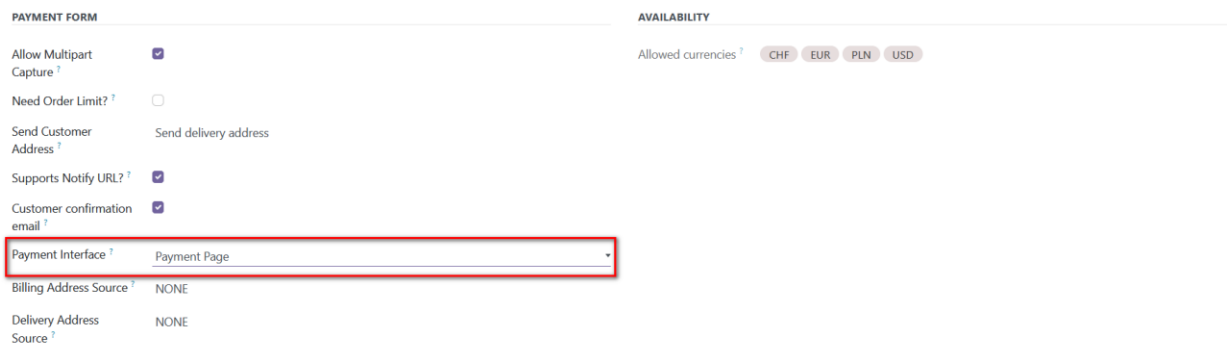
7. Configurations Only for Saferpay Providers

- **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.
- **Customer Confirmation email:** It is used to determine whether a customer confirmation email is needed. Saferpay sends the mail only if the customer is redirected to Saferpay payment page. Emails for DCC transaction will be sent on all payment interfaces.

- **Allowed Currencies:** The Allowed Currencies are loaded from Payment methods, the listing of payment methods on the payment page depends upon this currency. If the shop currency is not listed in these allowed currencies, then it is not listed on the shop payment page.
- **Payment Interface:** It is used to change 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 (I-frame).
 - **Saferpay Fields:** If enabled, payment can be proceeded with Saferpay Fields. The workflow is the same as an I-frame, 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 supports refunds.
- **Smart Buttons:**
 - **Saferpay 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.

8. Payment Interface

- Go to menu *Invoicing* → *Configuration* → *Payment Providers*, choose the acquirer. Then the configuration of the payment method is as shown in the figure below.



The screenshot shows the configuration page for a payment provider. It is divided into two main sections: 'PAYMENT FORM' and 'AVAILABILITY'.

PAYMENT FORM:

- Allow Multipart Capture: ☒
- Need Order Limit?: ☐
- Send Customer Address: Send delivery address
- Supports Notify URL?: ☒
- Customer confirmation email: ☒
- Payment Interface: Payment Page** (highlighted with a red box)
- Billing Address Source: NONE
- Delivery Address Source: NONE

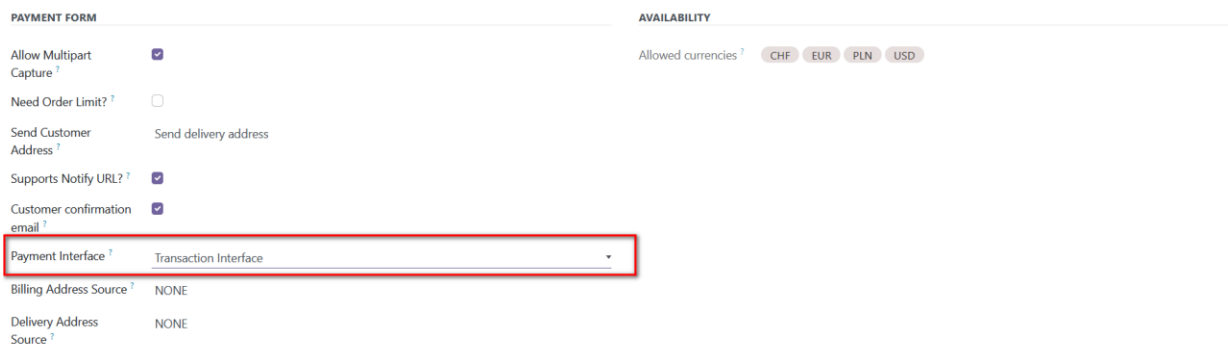
AVAILABILITY:

Allowed currencies: CHF, EUR, PLN, USD

Figure 11 – Configuration for Payment page

9. Transaction Interface

- Go to menu *Invoicing* → *Configuration* → *Payment Providers*, choose the acquirer. The configuration of the transaction flow is shown below figure.
- Need to switch the acquirer license to a business license to activate this flow.



The screenshot shows the configuration page for a payment provider. It is divided into two main sections: 'PAYMENT FORM' and 'AVAILABILITY'.

PAYMENT FORM:

- Allow Multipart Capture: ☒
- Need Order Limit?: ☐
- Send Customer Address: Send delivery address
- Supports Notify URL?: ☒
- Customer confirmation email: ☒
- Payment Interface: Transaction Interface** (highlighted with a red box)
- Billing Address Source: NONE
- Delivery Address Source: NONE

AVAILABILITY:

Allowed currencies: CHF, EUR, PLN, USD

Figure 12 – Configuration for Transaction Interface

10. Manual Capture & Multipart Capture & Void Transaction

- **Manual Capture:** After the transaction is completed and enters the authorized state, the capture button must be clicked to finalize the transaction.
- **Multipart Capture:** The amount can be captured either fully or partially. Clicking the Capture Transaction button captures the full amount, while using Multipart Capture allows for partial captures.
- **Void Transaction:** By using the Void Transaction button, we can cancel the transaction.

Invoicing

Customers

Vendors

Reporting

Configuration

Payment Transactions

INV/2024/00028

Invoice(s)

1

Saferpay Logging

Capture Transaction

Multipart Capture

Void Transaction

Draft

Pending

Authorized

Confirmed

Canceled

Error

Reference ?	INV/2024/00028	Customer	YourCompany, Mitchell Admin
Payment		Address	215 Vine St
Amount	\$ 147.00		Scranton
Payment Method	AMEX		Bern (CH)
Provider	Saferpay - AMEX		18503
Provider Reference ?	3xdvE1bQQdCEtAprj4fzbvUWjfAb	Email	admin@yourcompany.example.com
Created on	09/10/2024 15:53:30	Phone	+1 555-555-5555  SMS
Last State Change Date	09/10/2024 15:53:53	Language	English (US)
Is Post-processed ?	☐		

Figure 13– Manual/Multipart Capture

11. Refund

- To enable the refund option, ensure that the provider license is switched to a **Business License**.
- The refund functionality offers two options:
 - **Referenced Refund:** This option allows you to reference the original transaction in the Saferpay back office. Referenced refunds can be performed for both multipart (manual) captured transactions and normal captured transactions.

 Register Payment
 ×

- Select Multipart Capture to initiate refund process.

Saferpay Refund ? ☒

Refund Type ? Referenced Refund

Manually Refunded in Saferpay BO ? ☐

Multi-part Capture ?

Amount ? € 42.35 EUR

Create Payment

Discard

Figure 14– Referenced refund for Multipart capture

Register Payment

Saferpay Refund ? ☒

Refund Type ? Referenced Refund

Manually Refunded in Saferpay BO ? ☐

Amount ? CHF 103.65 CHF

Create Payment Discard

Figure 15 – Referenced refund

- Direct Refund:** This type of refund can be used when the original transaction is not present in the Saferpay back-office.
 - Manage by merchant:** The refund can be made to any saved payment token in the system.
 - Refund managed by Customer:** The refund is made against the original transaction.

Register Payment

Saferpay Refund ? ☒

Refund Type ? Direct Refund

Manually Refunded in Saferpay BO ? ☐

Amount ? \$ 320.00 USD

Refund Managed By ?

Create Payment Discard

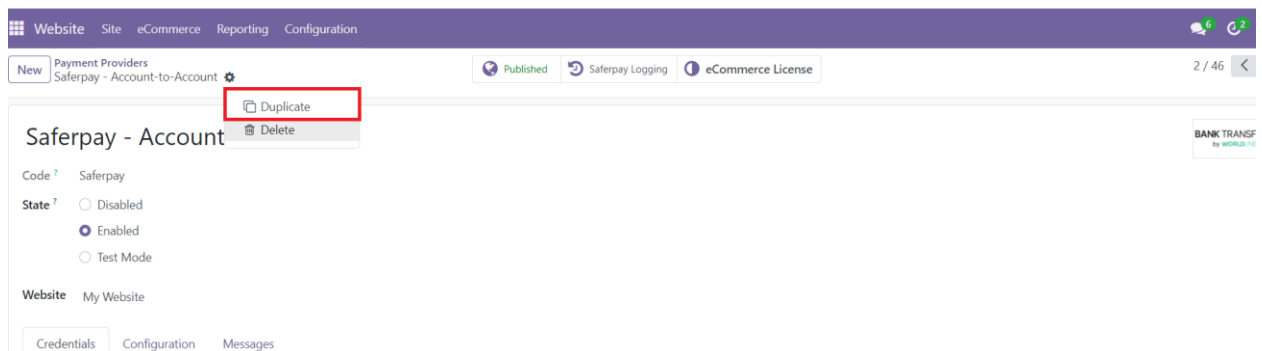
Figure 16 - Direct Refund

- Important Note:** Some payment methods may not support direct refunds. It is essential to consult the Saferpay documentation before configuring these options to ensure compatibility and proper setup.

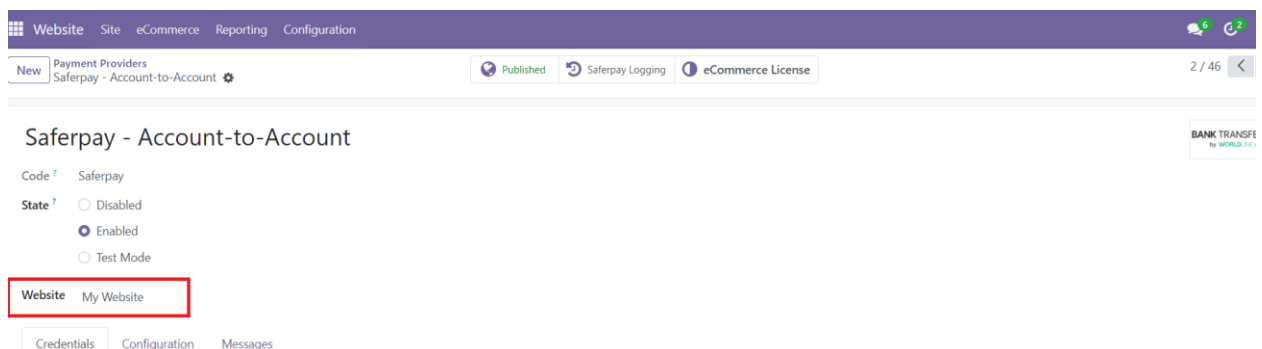
- To process a refund for multiple credit notes, select the credit notes for which you want to initiate the payment. Then, click on the **Register Payment** option. This action will create individual refund payment transactions for each selected credit note.

12. Saferpay Multi-website Backend configuration

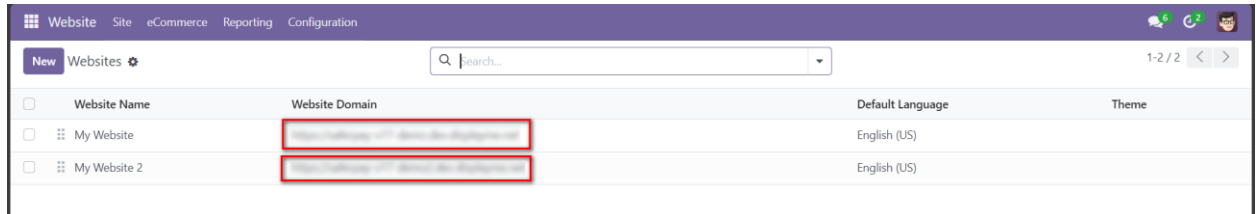
- If no website is mapped against a payment provider, it will be available for all website domains.
- For multi-website configuration, need to create multiple Saferpay payment Provider by duplicating the existing Saferpay payment Provider.



- After creating the Saferpay payment Provider, map the respective website and add the Saferpay credentials.



- For multi-website functioning, it is necessary to set the domain for the websites.



Website Name	Website Domain	Default Language	Theme
My Website	www.mywebsite.com	English (US)	
My Website 2	www.mywebsite2.com	English (US)	

13. Brief Description

For the smooth functioning of this plugin, there are a few configurations that need to be done in the backend.

- Setting up Saferpay Provider Configuration is the initial step where the Terminal ID, Customer ID, API Username, API Password, API Key of your Saferpay web administration tool must be provided.
- The Saferpay payment methods will be listed on the shop payment page.
- Choose the Saferpay payment method, pay from the Saferpay payment page, and get back to the Odoo webshop.

Initial step-by-step description

Prerequisites: Before integrating the Saferpay payment Acquirer plugin make sure that you have a Saferpay web administration tool.

The interface with which you can easily verify and process transactions. API Username, API Password, API Key are the details we need from the webadmin tool for Odoo backend configuration.

Step 1: Install the Saferpay Payment Plugin.

Step 2: Add the Saferpay credentials (Terminal ID, Customer ID, API Username, API Password, API Key) in the Saferpay Acquirer Configuration record in the Odoo backend configuration.

Step 3: Click on “Payment method synchronization” button to automatically configure and enable available payment methods or can manually enable desired payment providers.

Step 4: Go to the e-commerce website, add products to the cart, and proceed to checkout.

Step 5: Choose the Saferpay payment method and click Pay now.

Step 6: Complete the transaction by filling out the necessary details on the Saferpay Payment Page.

Step 7: The order is placed on a successful payment transaction.

Saferpay Multi-website

Step 8: Multi-Website Configuration:

- To set up Saferpay for multiple websites, duplicate the Saferpay Provider configuration using the Duplicate button.

Step 9: Map and Configure Multiple Websites:

- Map the duplicated Saferpay Provider to the respective websites and enter the appropriate credentials for each.

Step 10: Set Domain for Websites:

- Ensure each website’s domain is correctly set up in Odoo for proper multi-website functionality.

14. Technical Requirements / Compatible With:

- **Technical Requirements:** Odoo Sales, Payment, Contact, and Website modules.
- **Compatibility:** Supports Odoo 17 Community and Enterprise editions.
- **Supported API:** Saferpay JSON API version 1.40.

15. Changes Log / Release Notes

- **Version 2.0.2:** June 2025
 - Enhanced access rights management for both Administrators and Users, ensuring more granular control and improved security.
- **Version 2.0.1:** February 2025
 - Improvements and Odoo Enterprise edition compatibility.
- **Version 2.0.0:** October 2024
 - Updated to JSON 1.40.
 - Added support for Account-to-Account, SEPA ELV, and WeChat Pay providers.
 - Introduced multi-website support.
- **Version 1.0.0:** September 2024
 - Initial release.

16. Support

If you have questions, use our contact form at webshopextension.com or email at support@webshopextension.com.