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## User Manual

# PostFinance Checkout Flex Payment Plugin for Odoo v17.0

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## 1. Introduction

The **PostFinance Checkout Flex extension** from PIT Solutions serves as a connector between PostFinance Checkout Flex and the Odoo Web Shop. It provides a standardized way to accept payments through a wide variety of payment providers worldwide. The extension supports payment gateways such as **PostFinancePay**, **TWINT**, **PayPal**, **Online Banking**, and **Credit/Debit Cards**. More information is available under **PostFinance Checkout Flex**.

This extension links Odoo Shop users to a payment hub, which has over 50 payment gateways and processors integrated. It operates using the **Rest API**, helping to reduce cart abandonment by offering customers their preferred payment gateway. It also integrates with different payment service provider APIs, lowering payment routing costs.

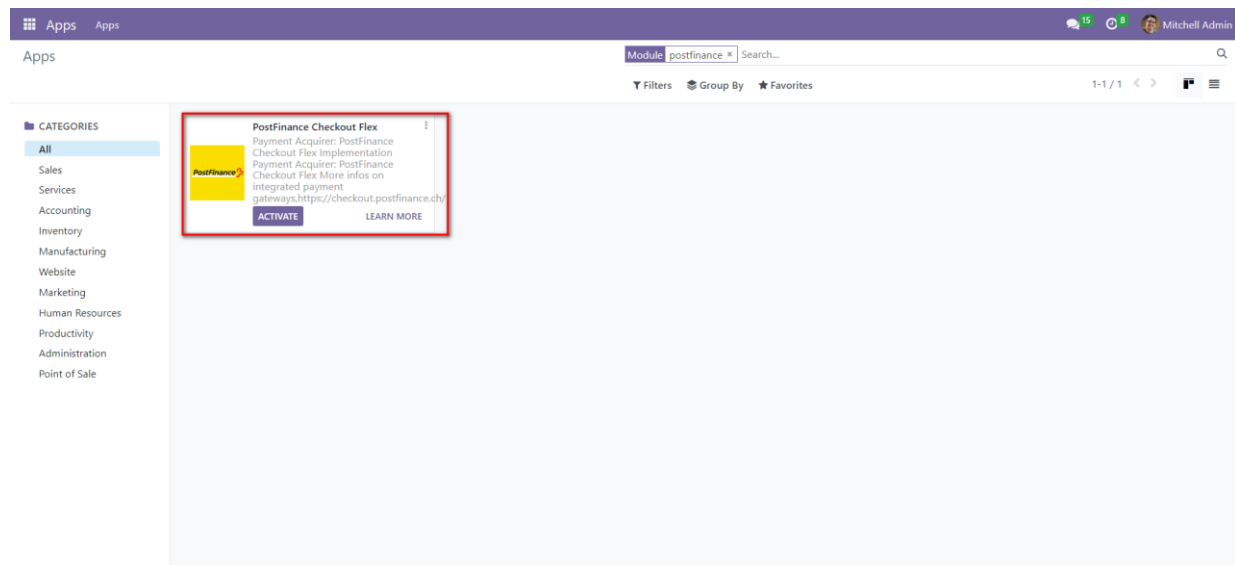
## 2. Features

- Easy to install.
- Flexible.
- User-friendly and configurable to meet specific requirements.
- Supports multiple payment methods.
- Maintains transaction records.
- I-frame integration.
- Multi-website compatibility.
- Supports payment gateways like PostFinance Pay, TWINT, PayPal, Online Banking, and Credit/Debit Cards.
- Offers payment methods for processors such as **Worldline**, **TWINT**, **PostFinance Acquiring**, and **PayPal**.

## 3. Screenshots

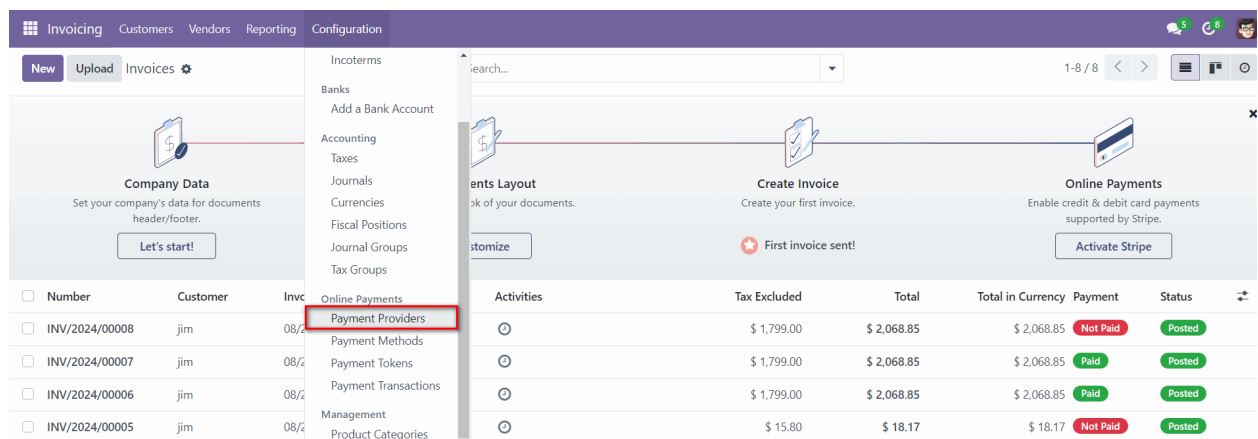
Install the PostFinance module:

- Go to *Apps* -> Search for PostFinance.
- Click *Activate*.



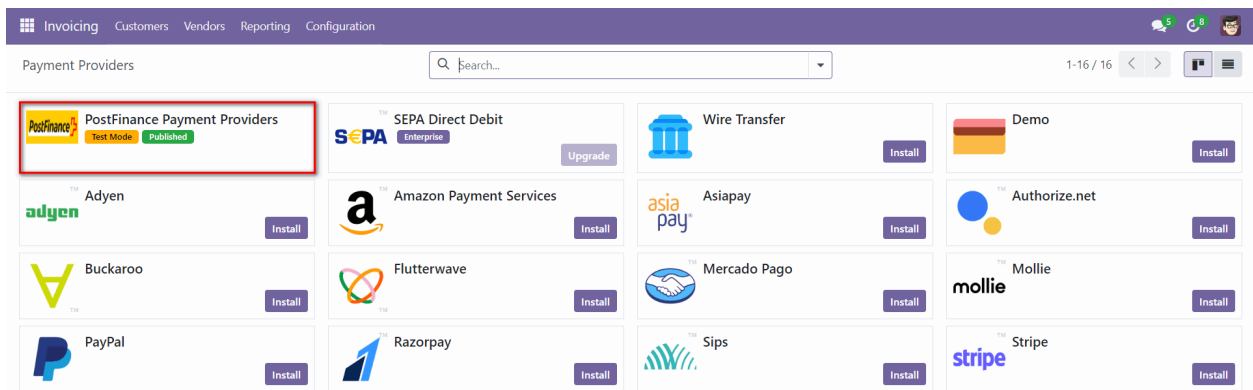
*Screenshot 1: PostFinance app activation*

- Go to *Invoicing* module -> *Configuration* -> Select *Payment Providers*.



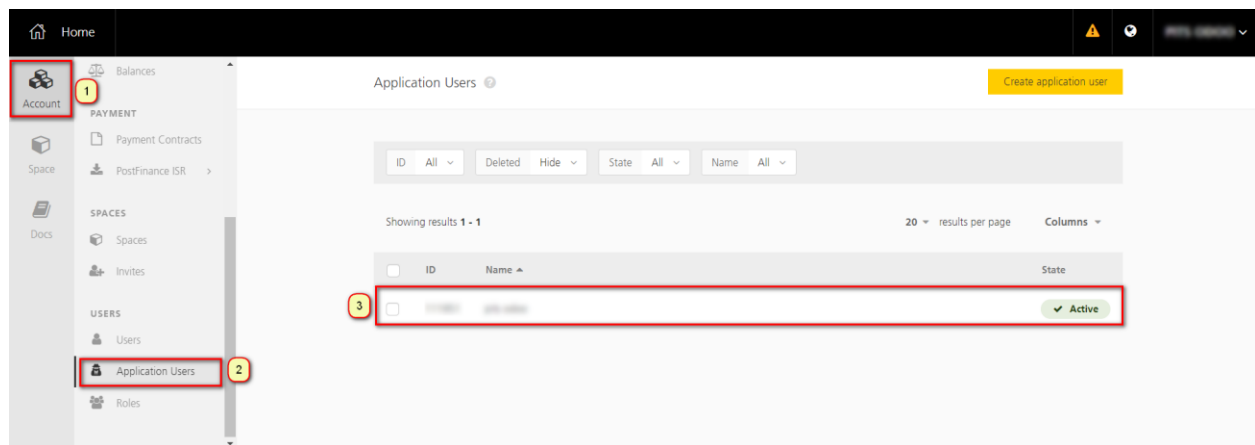
*Screenshot 2: Payment Providers menu item*

- Click on *PostFinance Payment Providers*.



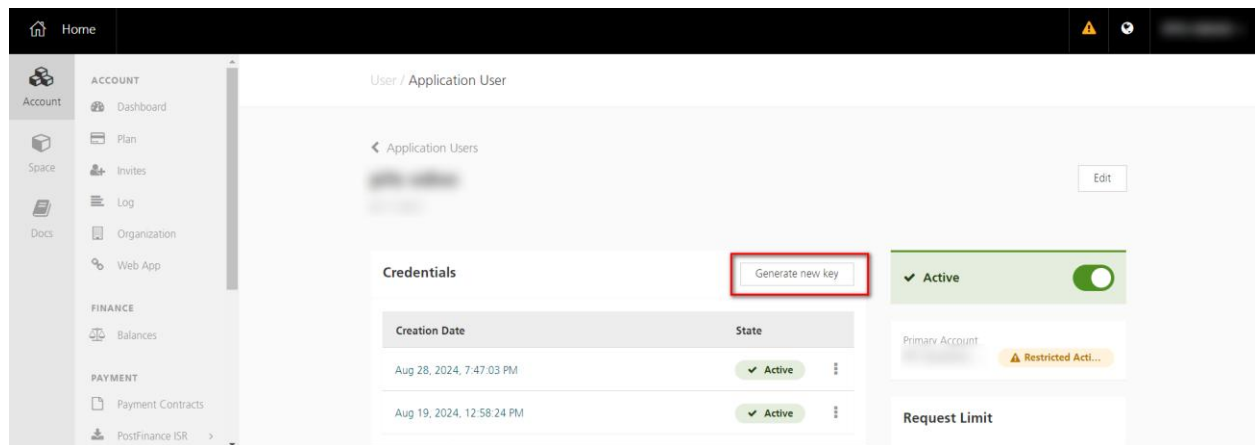
*Screenshot 3: PostFinance Payment Provider*

- Go to <https://checkout.postfinance.ch/> -> Login.
- Navigate to *Account*-> *Application Users*-> Open *User*-> Copy the ID.



*Screenshot 4: PostFinance Account Page*

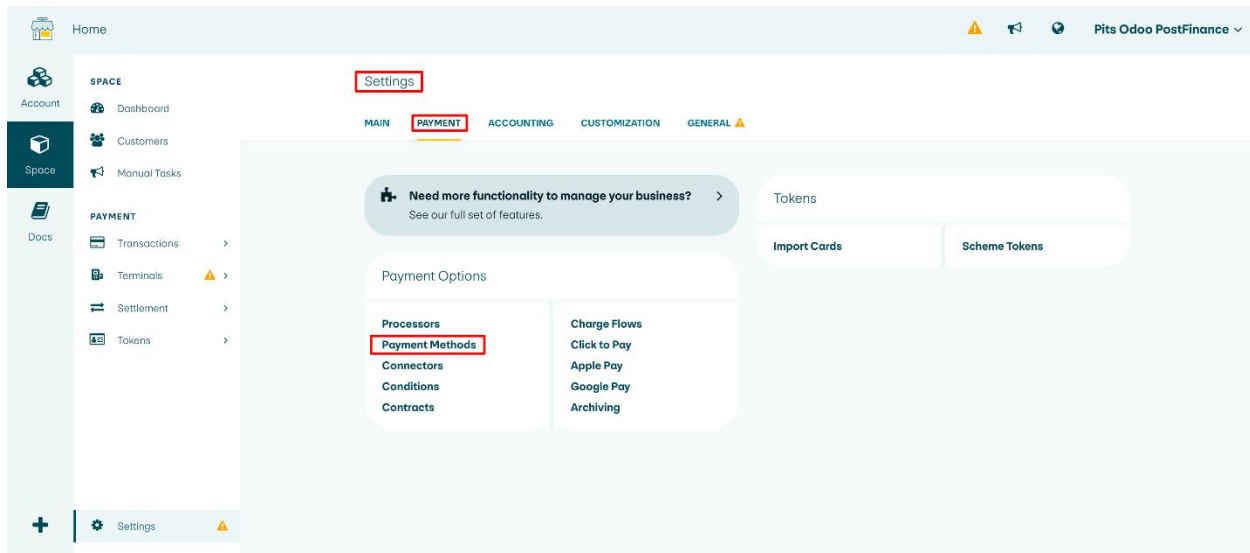
- Generate new key -> Copy the generated key.



*Screenshot 5: PostFinance New key Generation*

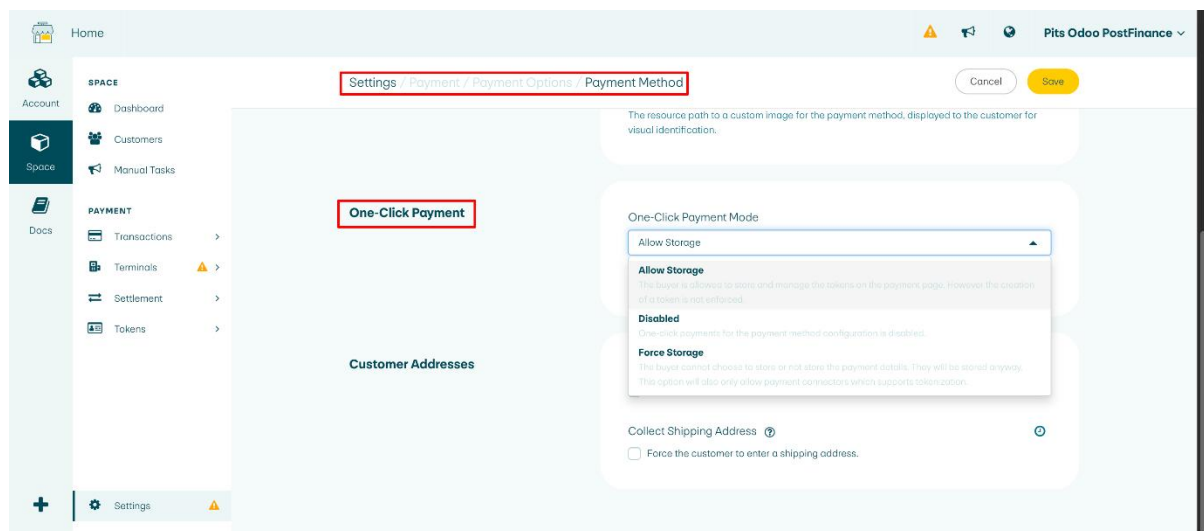
- Go to *Spaces*-> Fetch the *Space ID*.
- Enter the *Rest API UserID*, *Rest API Space ID* and *Application Key* to PostFinance payment provider configuration in Odoo backend.
- Move the payment provider to desired state and publish the provider.

- Activate one-click payment to keep the token saved for upcoming payments.



*Screenshot 6: PostFinance Open Payment Methods*

- Go to *Spaces* -> *Settings* -> *Payment* -> *Payment Methods*.
- Open the payment method on which token should be stored.



*Screenshot 7: PostFinance Open Payment Methods*

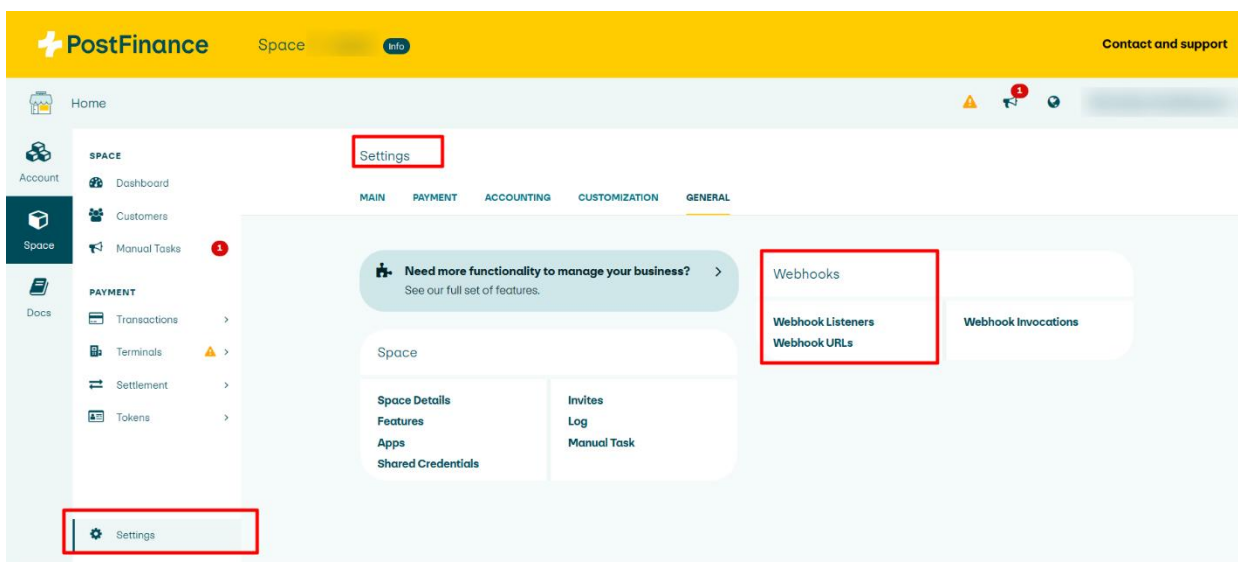
- Choose the appropriate option as required.

## PostFinance Webhook Configuration

To ensure that transaction status updates are correctly delivered to Odoo, our payment provider module uses a dedicated webhook listener. This listener receives asynchronous notifications directly from PostFinance whenever a transaction changes its state (e.g., *Authorized, Completed, Failed*, etc.).

Follow the steps below to configure the Webhook URL and Webhook Listener in the PostFinance Back Office.

- Navigate to Settings page of the associated Space:
  - *Space* → *Settings* → *General* → *Webhooks*
  - Here you will see the webhook sections such as **Webhook URLs**, **Webhook Listeners** and **Webhook Invocations**.
  - These sections allow you to create listeners and check past webhook deliveries.

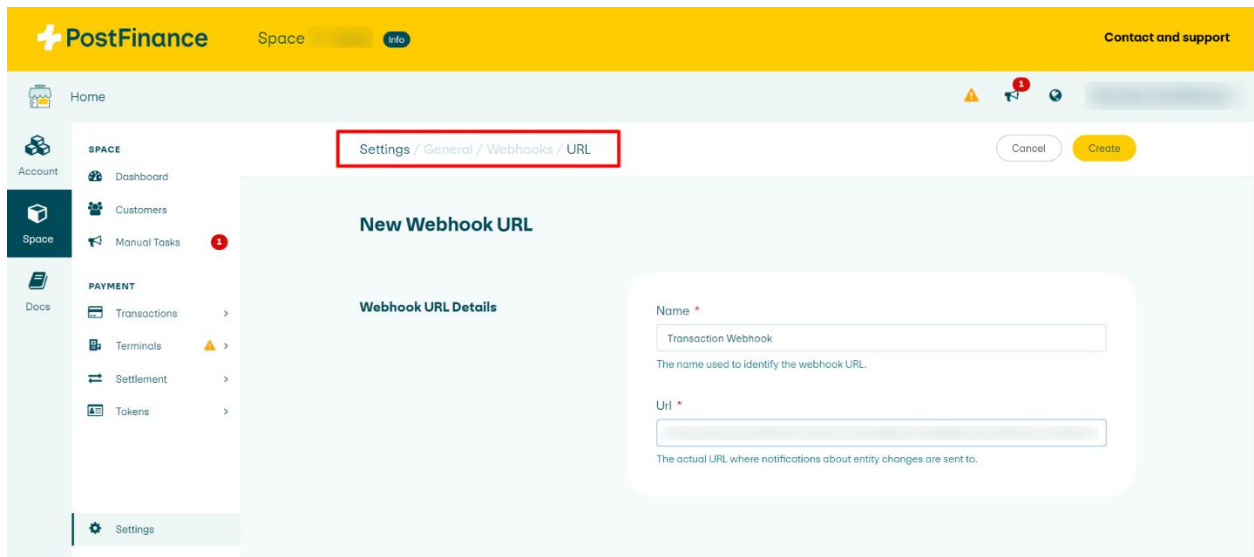


Screenshot 8: PostFinance Webhook Settings Page

- Create a Webhook URL
  - *Space* → *Settings* → *General* → *Webhooks* → *Webhook URLs*
  - Click **Create** to add a new Webhook URL.
  - Provide a Webhook URL name. E.g.: Transaction Webhook.

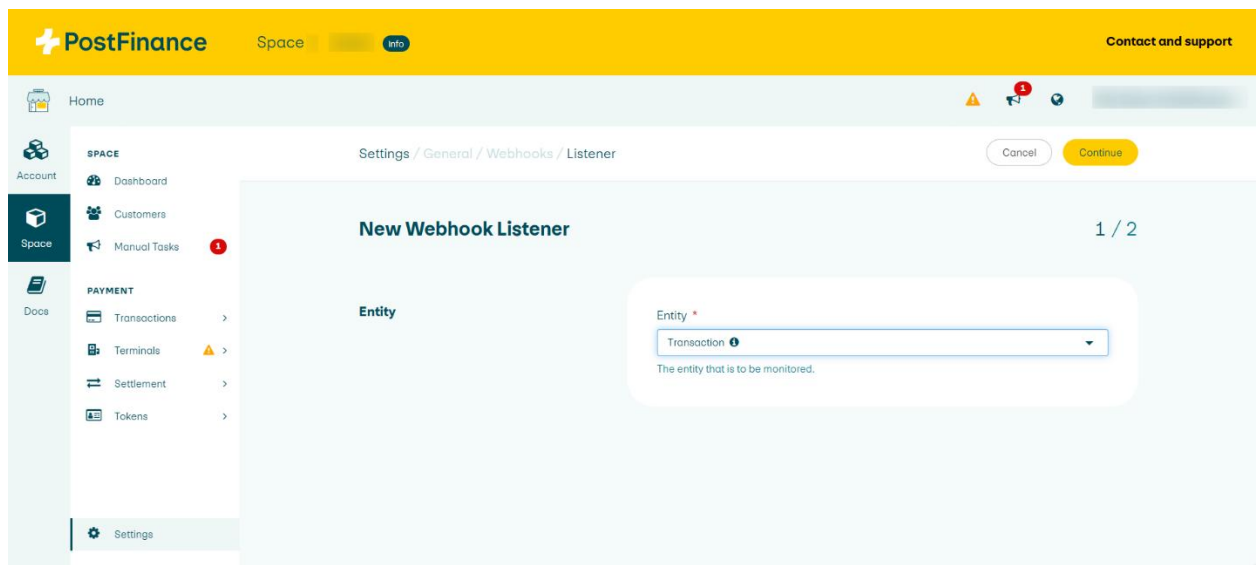


- In the URL column fill your domain address followed by our webhook path  
“/payment/postfinance/webhook”
- E.g.: *https://yourdomain.com/payment/postfinance/webhook*



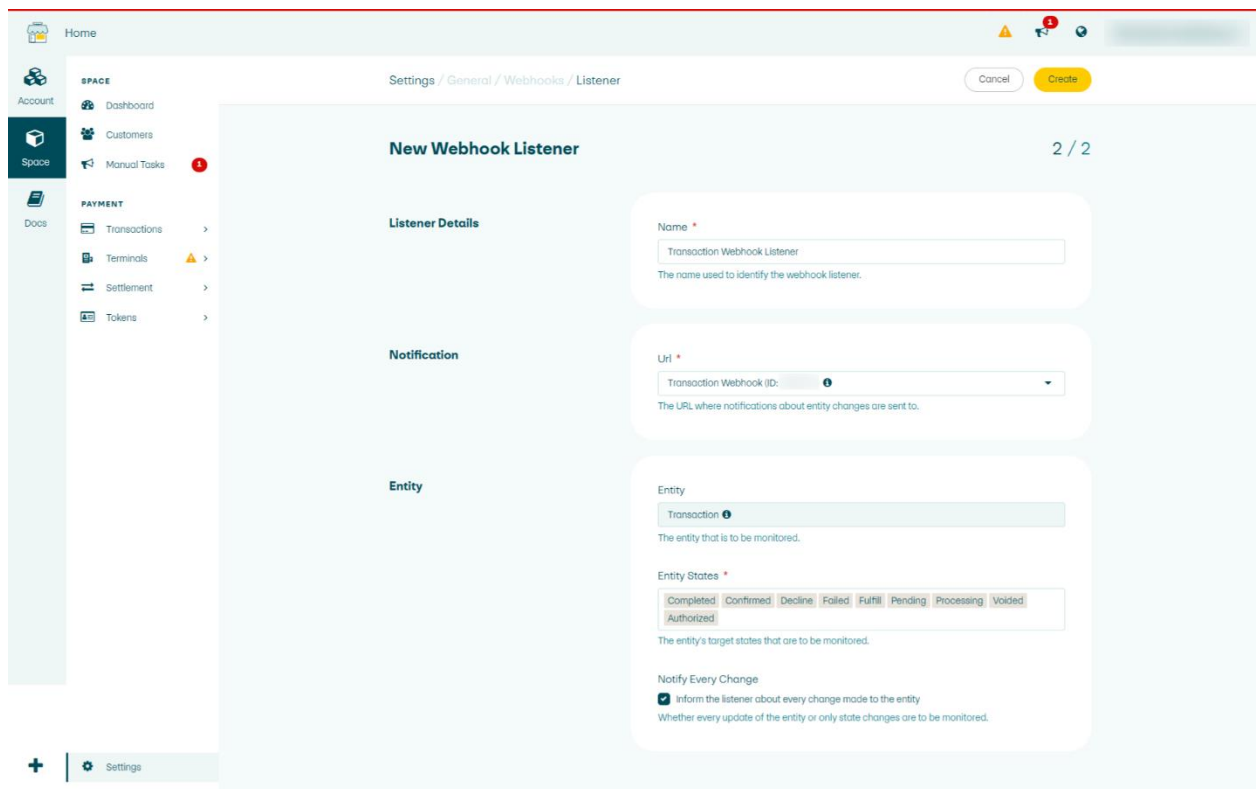
*Screenshot 9: Creating a Webhook URL*

- Navigate back to Webhook Settings page
  - *Space → Settings → General → Webhooks*
- Create a new Webhook Listener
  - *Space → Settings → General → Webhooks → Webhook Listeners*
  - Click **Create webhook listener** to add a new Webhook URL.
- On page 1 select the Entity: Transaction from the dropdown list and click on **Continue**.



*Screenshot 10: Creating a new Webhook Listener - Page 1*

- On page 2 off 2, complete the listener configuration.
  - **Name:** Add a name for the Webhook Listener. E.g.: Transaction Webhook Listener.
  - **URL:** Choose the webhook URL that was created earlier.
  - **Entity:** Automatically set to **Transaction**.
  - **Entity States:** Choose all the states.
- Click **Create** to save the webhook listener.



Home

Settings / General / Webhooks / Listener

Cancel Create

## New Webhook Listener

2 / 2

**Listener Details**

Name \*

Transaction Webhook Listener

The name used to identify the webhook listener.

**Notification**

Url \*

Transaction Webhook ID:

The URL where notifications about entity changes are sent to.

**Entity**

Entity

Transaction

The entity that is to be monitored.

Entity States \*

Completed Confirmed Decline Failed Fulfill Pending Processing Voided Authorized

The entity's target states that are to be monitored.

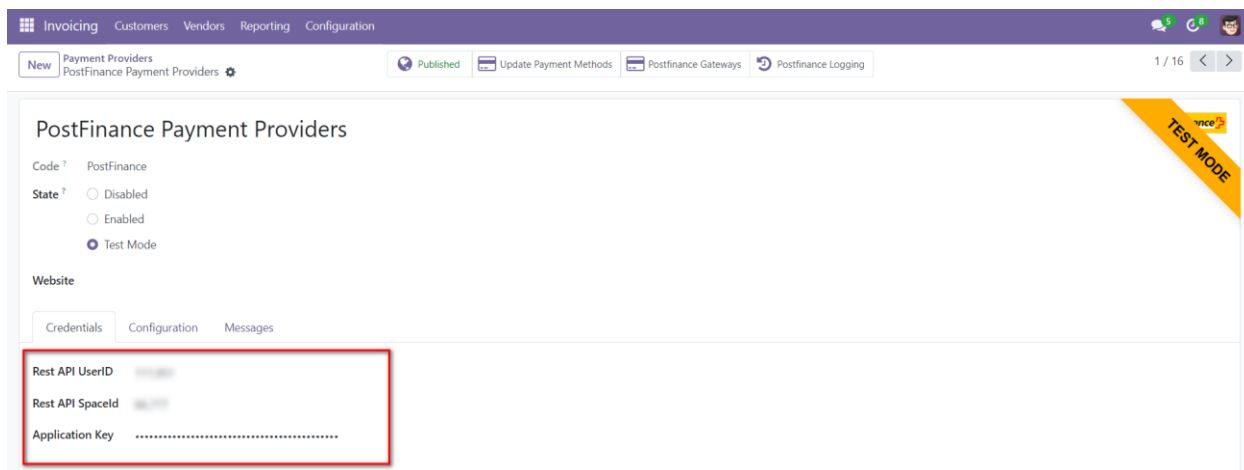
Notify Every Change

☒ Inform the listener about every change made to the entity

Whether every update of the entity or only state changes are to be monitored.

+ Settings

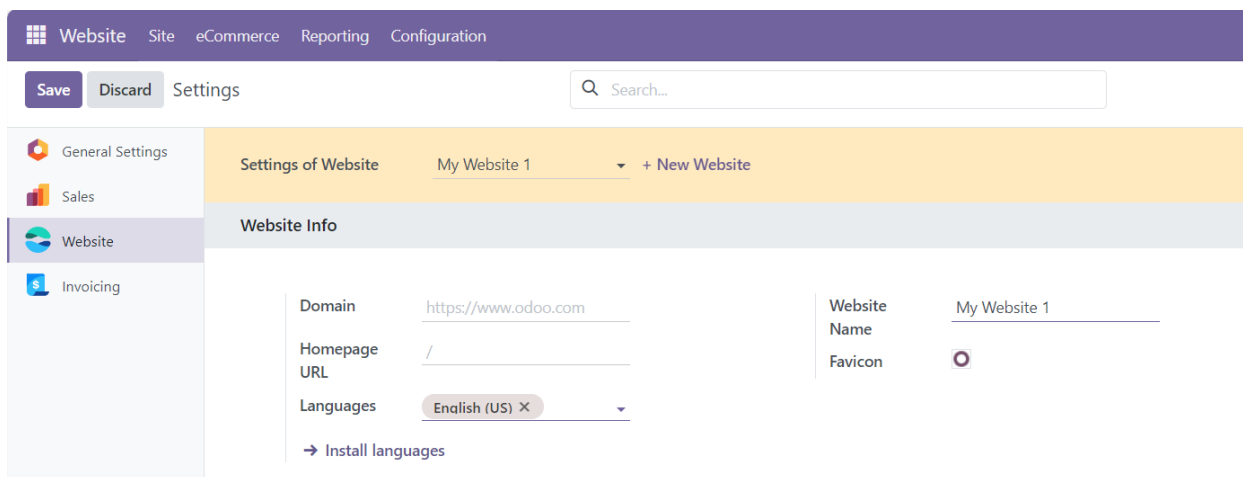
*Screenshot 11: Creating a new Webhook Listener - Page 2*



*Screenshot 12: PostFinance configuration in Odoo backend*

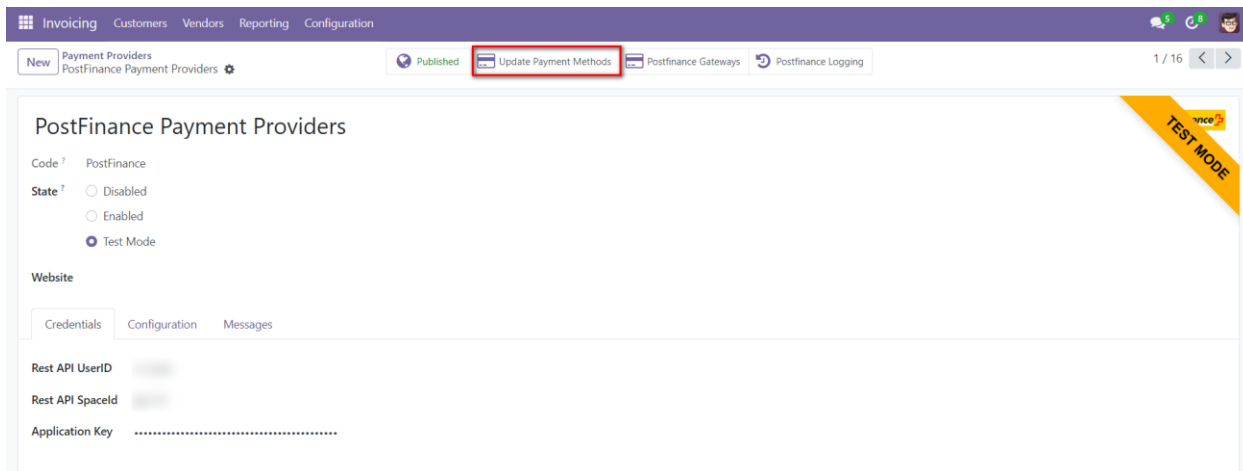
**Note: The PostFinance Pay method only supports CHF and EUR as transaction currencies. Any payments attempted with other currencies will not be processed.**

- Navigate to *Website > Configuration > Settings* to create and configure websites as per the requirement.



*Screenshot 13: Website Configuration*

- Select the appropriate Website in the Website column to restrict the Payment provider to that specific website. Leaving this column blank will make this provider available in all the websites.

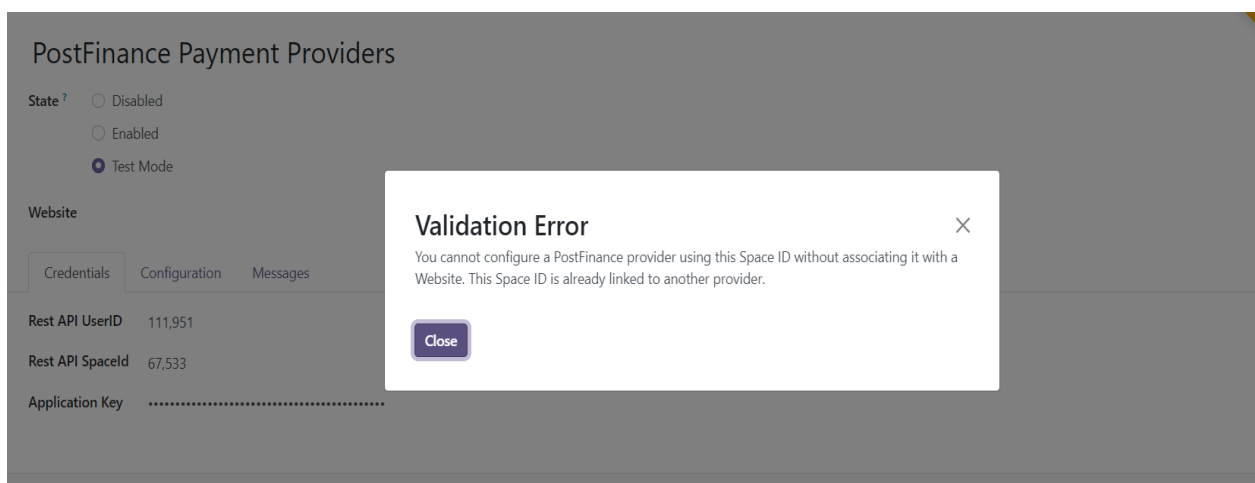
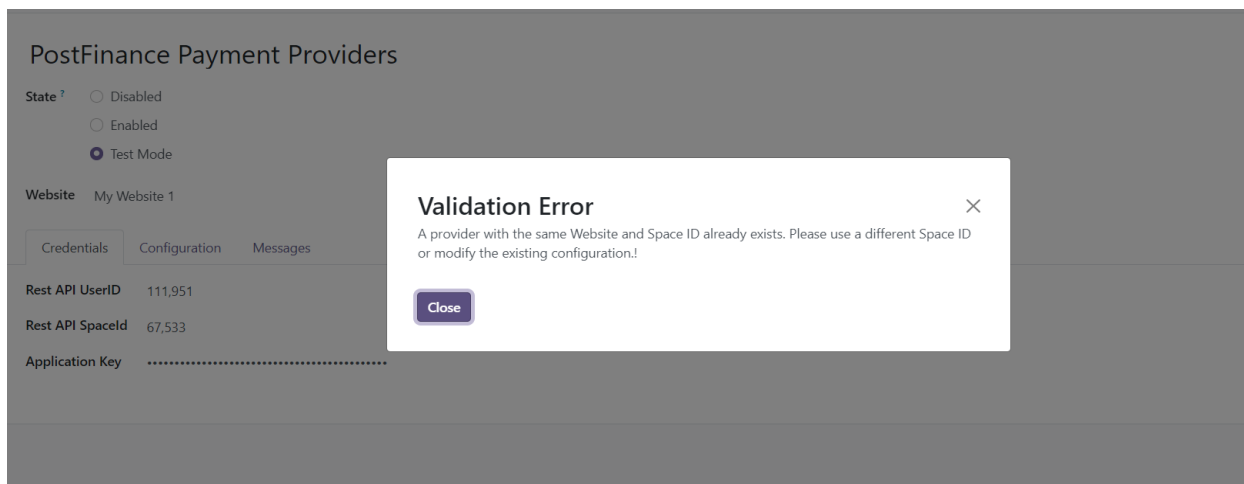


*Screenshot 14: PostFinance Update Payment Methods*

- Click on Update Payment Methods smart button to sync payment methods data from PostFinance back-office.
- The application will raise a warning if the user attempts to configure a provider that meets any of the following conditions:
  - **Condition 1: Duplicate Website and Space ID Combination**  
If a provider with the same combination of Website and Space ID is already configured, the system will raise a warning. This prevents duplication and ensures consistency across payment configurations.
  - **Condition 2: Space ID Already Linked to Another Provider Without a Website**  
A warning will be raised if the user attempts to configure a provider using a *Space ID* that is already linked to another provider without an associated website. This is critical because a provider configured without a website is accessible across all websites, making the new configuration redundant, as the existing provider already covers all potential payment scenarios.

- **Condition 3: Configuring a Provider Using a Space ID Without Linking to a Website**

If the user configures a provider using a *Space ID* but does not associate it with a website, the system will issue a warning. This is because such a configuration would override all other providers using the same *Space ID*. To resolve this, the user must either disable the other configurations using the same *Space ID* or remove any existing website links from those configurations.



*Screenshot 15: Validations*

## Process Workflow

- Go to Website -> Shop.
- Add items to cart -> Go to Cart.
- Click *Process Checkout*.

### Confirm order

Billing:  [Edit](#)


Shipping:


### Choose a delivery method


☒ Standard delivery Free


### Pay with

#### CHOOSE A PAYMENT METHOD

☐ Credit / Debit Card - ONSITE 

☐ PayPal 

☐ PostFinance Pay 

	1 x Conference Chair (Steel)	\$ 33.00
Delivery		\$ 0.00
Subtotal		\$ 33.00
Taxes		\$ 4.95
<b>Total</b>		<b>\$ 37.95</b>
<input type="text" value="Discount code..."/>		<input type="button" value="Apply"/>
<input type="button" value="Pay now"/>		
or		
<a href="#">&lt; Back to cart</a>		

*Screenshot 16: Process Checkout Page*

- Select the desired payment method -> Click *Pay Now*.

## Powered By Postfinance Interface



## ▼ Simulation



You can use the test information to simulate payments.

Manually enter your card details:

Card Number \*

Expiry Date \*

Security Code \*

☒ Store the card details for future use.

Confirm

Close

*Screenshot 17: Onsite payment using I-frame for Credit/Debit Card payment method*[← Cancel payment](#)**39.73 CHF**

1 2 3 4 5

The TWINT processor is configured to simulate the payment. As such please choose the result which should be simulated.


Simulate Success





Simulate Failure

*Screenshot 18: Offsite payment using TWINT payment method*






 [Home](#) [Shop](#) [Contact us](#)

   +1 (650) 555-0111  [Contact Us](#)


## Thank you for your order.


Order S00102 


**Payment Information**


PostFinance Payment Providers **Total: \$ 37.95**

Your payment has been successfully processed.


**Billing :** 





**Shipping:** 

 Print


	1 x Conference Chair (Steel)	\$ 33.00
Delivery		\$ 0.00
Subtotal		\$ 33.00
Taxes		\$ 4.95
<b>Total</b>		<b>\$ 37.95</b>

*Screenshot 19: Payment success page*

 [Home](#) [Shop](#) [Contact us](#)

   +1 (650) 555-0111  [Contact Us](#)


## Thank you for your order.


Order S00102 


**Payment Information**


PostFinance Payment Providers **Total: \$ 37.95**

Your payment has been cancelled.

**Billing :** 

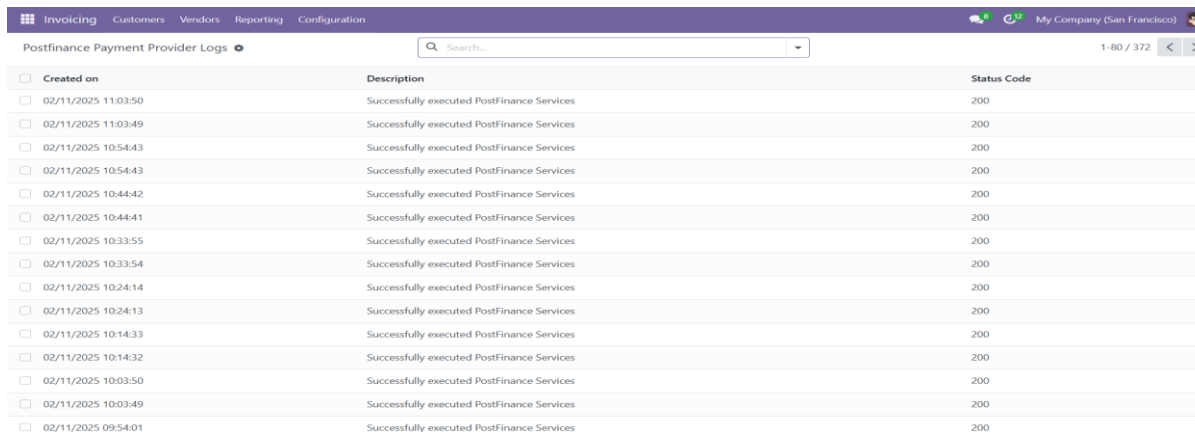
**Shipping:** 

 Print

	1 x Conference Chair (Steel)	\$ 33.00
Delivery		\$ 0.00
Subtotal		\$ 33.00
Taxes		\$ 4.95
<b>Total</b>		<b>\$ 37.95</b>

*Screenshot 20: Payment Cancel Page*

- Go to *Invoicing* -> *Payment Providers* -> Open *PostFinance Payment Provider*.
- Click on *PostFinance Logging*.



Created on	Description	Status Code
02/11/2025 11:03:50	Successfully executed PostFinance Services	200
02/11/2025 11:03:49	Successfully executed PostFinance Services	200
02/11/2025 10:54:43	Successfully executed PostFinance Services	200
02/11/2025 10:54:43	Successfully executed PostFinance Services	200
02/11/2025 10:44:42	Successfully executed PostFinance Services	200
02/11/2025 10:44:41	Successfully executed PostFinance Services	200
02/11/2025 10:33:55	Successfully executed PostFinance Services	200
02/11/2025 10:33:54	Successfully executed PostFinance Services	200
02/11/2025 10:24:14	Successfully executed PostFinance Services	200
02/11/2025 10:24:13	Successfully executed PostFinance Services	200
02/11/2025 10:14:33	Successfully executed PostFinance Services	200
02/11/2025 10:14:32	Successfully executed PostFinance Services	200
02/11/2025 10:03:50	Successfully executed PostFinance Services	200
02/11/2025 10:03:49	Successfully executed PostFinance Services	200
02/11/2025 09:54:01	Successfully executed PostFinance Services	200

Screenshot 21: PostFinance Log History

## 4. Brief description

For the smooth functioning of this plugin, a few backend configurations need to be set up. The initial step involves configuring the **PostFinance Acquirer**, where the **User ID**, **Space ID**, and **Application Key** from your PostFinance Flex account must be provided. Once this configuration is completed, activate the provider, and users can proceed with shopping. The PostFinance Flex payment methods will then appear on the shop's payment page. Customers can select their preferred **PostFinance payment method**, pay via the payment page or popup window, and then return to the Odoo Webshop.

### Step-by-Step Instructions

**Prerequisites:** Before integrating the PostFinance payment acquirer plugin, ensure that you have a PostFinance account. You can create one at <https://checkout.postfinance.ch/> which facilitates easy verification and transaction processing.

**Step 1:** Set Up PostFinance Account and Configure Payment Acquirer.

- Enter your **User ID**, **Space ID**, and **Application Key** from your PostFinance Flex account.

**Step 2:** Activate/Publish/Enable the PostFinance Payment Provider.

**Step 3:** Navigate to the e-commerce website -> Add products to the cart -> Proceed to checkout.

**Step 4:** Select the **PostFinance Flex** payment method and click **Pay Now**.

**Step 5:** Complete the transaction by entering the necessary details on the payment page or in the popup window.

**Step 6:** Once the payment is successful, the order will be placed.

## 5. Technical Requirements / Compatible With:

- Compatible with Odoo community version 17.0

## 6. Limitations

- **Cryptocurrency Payment Unavailable:** Please be aware that cryptocurrency payments powered by PostFinance are currently not supported. This limitation is due to PostFinance and is outside of our control. We recommend using alternative supported payment methods to complete your transaction.

## 7. Change Log / Release Notes

- Version 6.0.0: November 2025
  - Refined plugin capability to receive instant payment notifications from the payment gateway.
- Version 5.0.0: September 2025
  - Introduced support for **PostFinance Tokenization** and **One-Click Payments** to streamline secure checkout and enhance customer convenience.
- Version 4.0.1: February 2025
  - Refinement of payment transaction logging feature.

- Version 3.0.1: January 2025
  - Bug fixes and improvements.
- Version 3.0.0: September 2024
  - Added multi-website compatibility feature.
- Version 2.0.1: August 2024
  - Fixed I-frame loading and address mapping bugs.
- Version 2.0.0: August 2024
  - Introduced onsite payment methods.
- Version 1.0.0: January 2024
  - Initial release.

## 8. Support

If you have questions, use our contact form at [webshopextension.com](https://webshopextension.com) or email at [support@webshopextension.com](mailto:support@webshopextension.com).