



User Manual

Wallee - Nexi Subscription Plugin for Odoo v18.0

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1. Introduction

The Wallee – Nexi Subscription Plugin for Odoo 18.0, developed by PIT Solutions, extends the existing Wallee payment integration to support Nexi payment processing, Merchant Initiated Transactions (MIT), recurring payments, and subscription-based billing.

The plugin is designed for merchants who require recurring payment functionality. It uses Wallee as the payment orchestration layer while enabling Nexi-specific payment processing and tokenized payment flows.

With this integration, merchants can manage subscription-based payments in Odoo while using Wallee to handle payment processing and Nexi for recurring transaction execution.

2. Key Features

- **Nexi Payment Configuration**

Adds Nexi-specific settings and credentials within the Wallee payment framework, allowing merchants to configure Nexi as a supported payment method.

- **MIT (Merchant Initiated Transactions) Support**

Enables secure and compliant MIT flows for recurring charges, renewals, and follow-up payments, in line with card network and PSD2 requirements.

- **Recurring Payments & Subscriptions**

Supports automated subscription billing cycles, including initial customer-authorized transactions followed by recurring MIT charges.

- **Seamless Wallee Integration**

Fully compatible with the existing Wallee plugin architecture, ensuring consistency in payment handling, transaction tracking, and error management.

- **Secure & Compliant Processing**

Uses tokenized payment data and follows industry best practices for security, authentication, and compliance.

3. Installation

The **Wallee - Nexi Subscription Plugin** depends on the **PIT Solutions [Wallee Payment Provider Plugin](#)**. Therefore, the Wallee Payment Provider Plugin must be installed and configured before installing the Wallee - Nexi Subscription Plugin.

The Nexi Subscription Plugin also includes a *requirements.txt* file containing the required Python dependency **PyJWT**. This dependency must be installed in the Odoo Python environment before using the plugin.

On-Premise Installation

1. Download the **Wallee - Nexi Subscription Plugin** package provided by PIT Solutions.
2. Extract the plugin into the Odoo custom addons directory.
3. Verify that the **PIT Solutions Wallee Payment Provider Plugin** is also installed in the same Odoo environment.
4. Locate the *requirements.txt* file inside the Nexi Subscription Plugin directory.

Example:

```
payment_wallee_nexi_subscription/  
├─ __init__.py  
├─ __manifest__.py  
├─ requirements.txt  
└─ ...
```

5. Install the Python dependencies listed in *requirements.txt* using the Python environment used by Odoo.

For example, if Odoo is running inside a Python virtual environment:

```
source /path/to/odoo-venv/bin/activate
```

```
pip install -r /path/to/payment_wallee_nexi_subscription/requirements.txt
```

6. The *requirements.txt* file contains the **PyJWT** dependency. Ensure that it is successfully installed before proceeding.

Example: `PyJWT`

7. Restart the Odoo service after installing the Python dependency.
8. Enable Developer Mode in Odoo.
9. Go to **Apps** → **Update Apps List**.
10. Search for **Payment Wallee Nexi Subscription**.
11. Click **Install**.

Important: Do not install *PyJWT* into a different Python environment from the one used by Odoo. The dependency must be available in the Python environment from which the Odoo server is running.

Odoo.sh Installation

For **Odoo.sh**, the *requirements.txt* file should be included in the plugin source code committed to the Git repository.

1. Add the **Wallee – Nexi Subscription Plugin** to the Odoo.sh Git repository.
2. Ensure that the **PIT Solutions Wallee Payment Provider Plugin** is also included in the repository.
3. Keep the *requirements.txt* file inside the Nexi Subscription Plugin directory.

Example:

```
payment_wallee_nexi_subscription/  
├── __init__.py  
├── __manifest__.py  
├── requirements.txt  
└── ...
```

The *requirements.txt* file should contain the required Python dependency: *PyJWT*

4. Commit and push the changes to the required Odoo.sh branch.
5. Odoo.sh will install the Python packages specified in the *requirements.txt* file during the build process.
6. Wait for the Odoo.sh build to complete successfully.

7. Open the Odoo database after the build is completed.
8. Enable Developer Mode.
9. Go to **Apps** → **Update Apps List**.
10. Search for **Payment Wallee Nexi Subscription**.
11. Click **Install**.

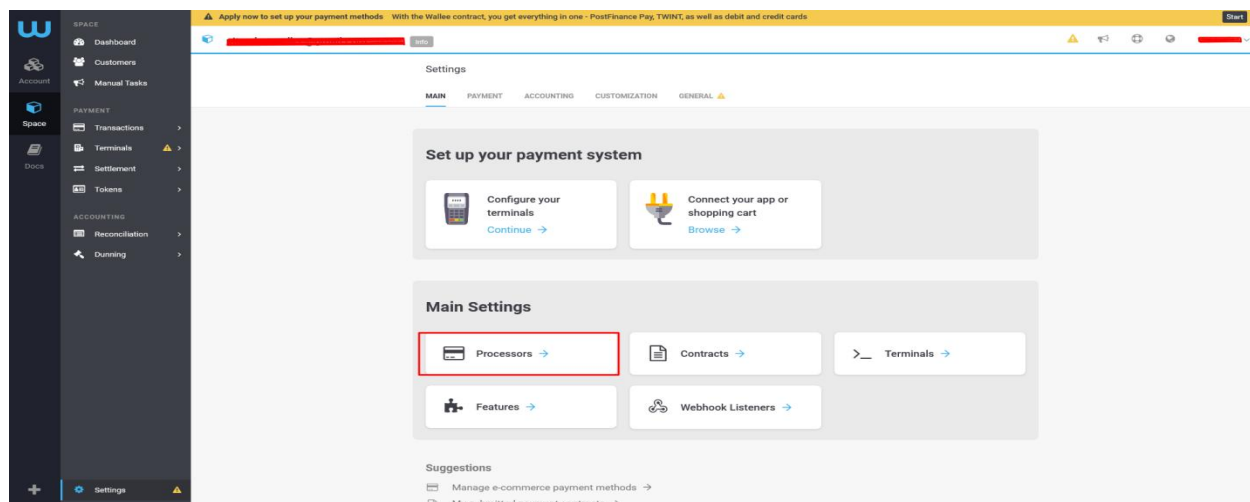
Important: For Odoo.sh, the *PyJWT* package should **not** be manually installed using **pip** on the **Odoo.sh** server. It must be declared in the plugin's requirements.txt file and committed to the repository so that Odoo.sh installs it during the build.

4. Wallee Back Office Prerequisites

The required setup must be completed in the **Wallee Back Office** before Nexi payments can be used. These steps are **mandatory** to enable Nexi payment processing through Wallee.

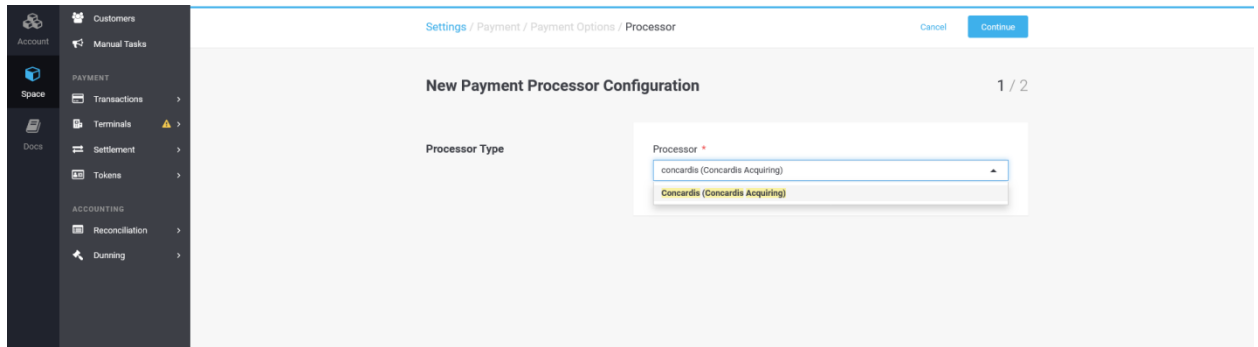
Nexi (Concardis) Processor Configuration

1. Log in to the **Wallee Back Office**.
2. Navigate to **Space -> Settings**.
3. Click on **Processors -> Add Processors**



Screenshot 1: Add Processor

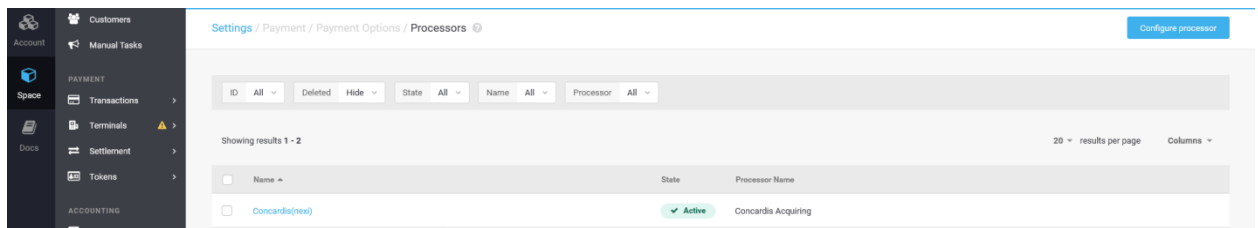
4. Select **Concardis (Nexi)** as the processor.



Screenshot 2: Select Concardis for Nexi

5. Complete the processor configuration by following the on-screen instructions.

6. Save the configuration once all required details have been entered.

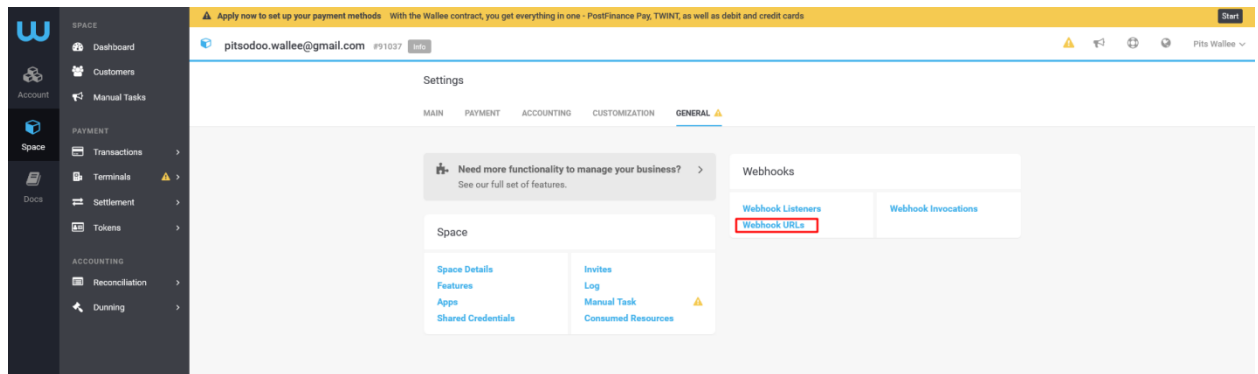


Screenshot 3: Processor Added (Concardis Acquiring)

5. Wallee Webhook Configuration

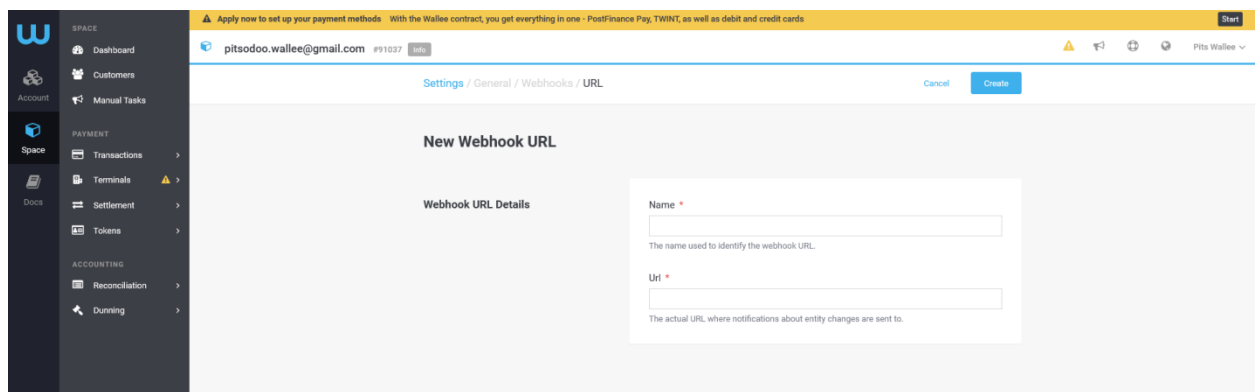
The required **Wallee webhook configuration** must be completed in the **Wallee Back Office** to enable token creation in the **Odoo backend**. Proper webhook setup ensures that Wallee can send the necessary payment and tokenization events to Odoo for successful token generation and synchronization.

- Go to <https://checkout.postfinance.ch/> -> Login.
- Navigate to Space -> Settings -> GENERAL -> Webhook URLs



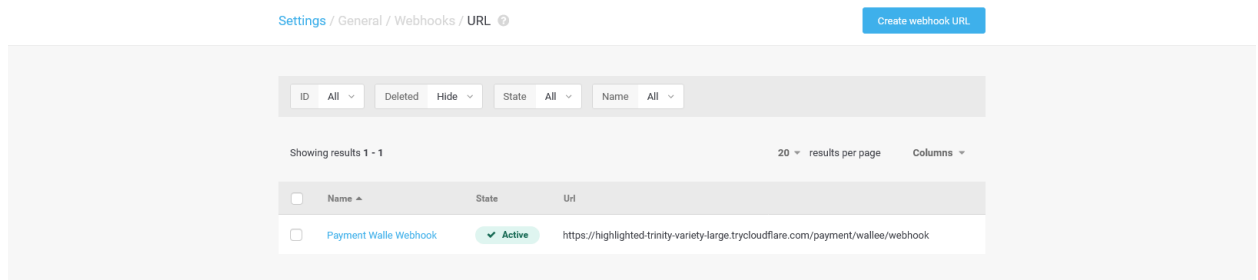
Screenshot 4: Wallee Webhook URL

- Click -> Create webhook URL



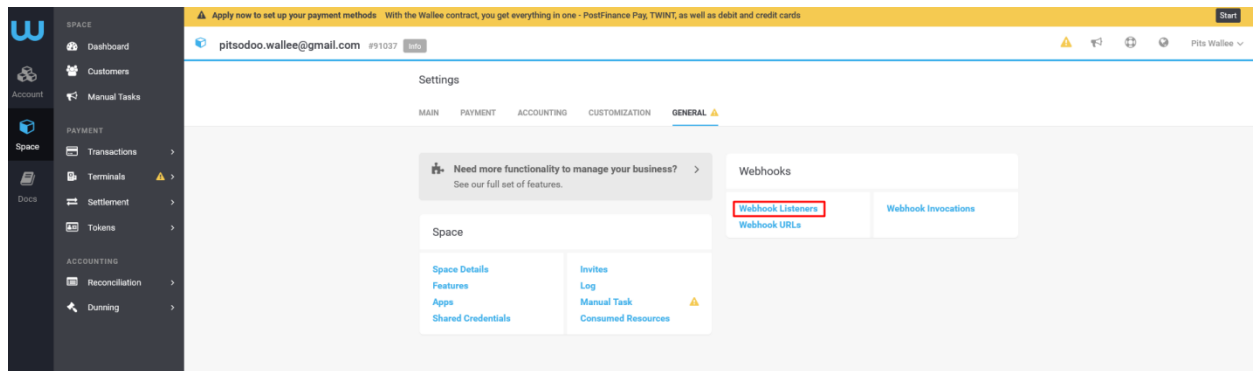
Screenshot 5: Wallee Webhook URL Screen.

- Name - Enter Name for Identity URL
- URL - https://your_domain_name/payment/wallee/webhook



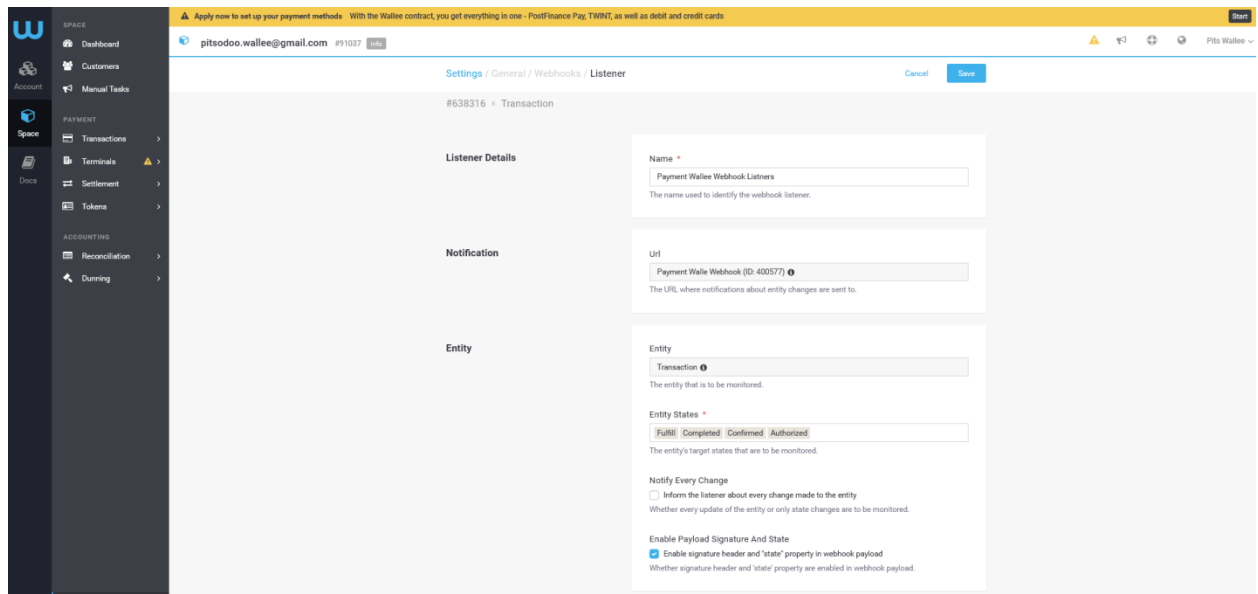
Screenshot 6: Wallee Created Webhook URL

- Navigate to Space-> Settings-> GENERAL-> Webhook URLs

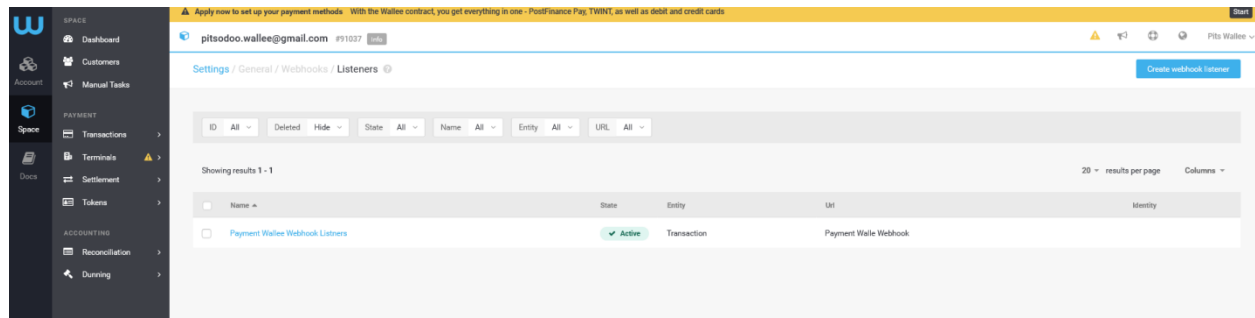


Screenshot 6: Wallee Webhook Listeners

- Create New Webhook Listeners
 - Name - Enter Name
 - URL - Select your Created Webhook URL E.g.: *Screenshot 6*
 - Entity - Select **Transaction**
 - Entity States - The entity's target states that are to be monitored.



Screenshot 7: Wallee Webhook listener Interface

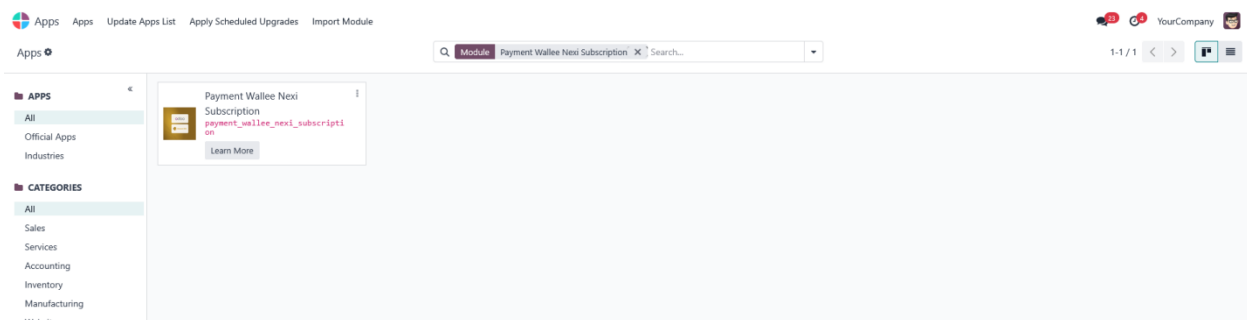


Screenshot 8: Created Wallee Webhook Listener

6. Odoo Configuration & Usages

6.1 Install the Module

- In the **Apps** search bar, type: Payment Wallee Nexi Subscription.
- The module will appear in the search results.
- Click the **Install** button.
- Wait for Odoo to finish installing and updating menus.
- The module is now active.

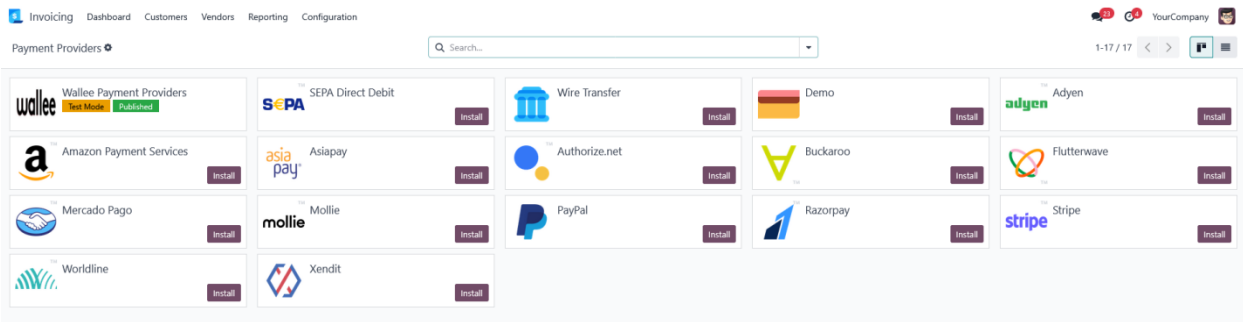


Screenshot 9: Plugin Install Page.

You can access the payment providers through the following menu options:

- Invoicing > Configuration > Payment Providers
- Website > Configuration > eCommerce > Payment Providers

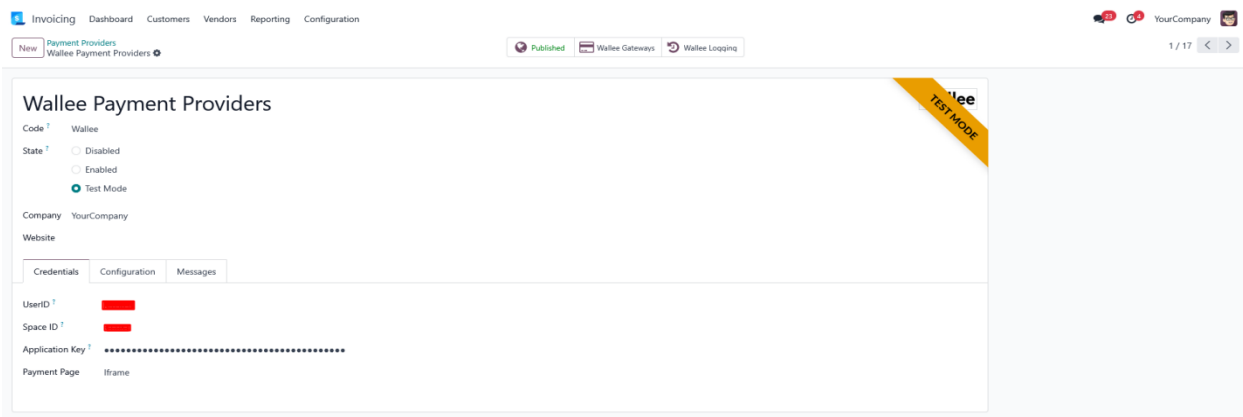
These paths will direct you to the configuration settings for managing payment providers.



Screenshot 10: Payment Providers Listed in Odoo Backend

After selecting the **Wallee Payment Provider** from the list of available payment providers, proceed to the **Credentials** tab. This section allows you to configure your Wallee account by entering the necessary credentials associated with your Wallee Payment Provider space.

- **Enter Your Credentials:**
 - Provide the required Space ID, User ID, and API Key to establish a secure connection with your Wallee account.
 - Ensure that the credentials entered are accurate to avoid connection errors.
- **Select the Payment Page Type:**
 - Choose your preferred payment page type to define how the payment interface is displayed to customers:
 - I-Frame and Lightbox are the available options.



Screenshot 11: Odoo Backend Configuration of Wallee Credentials

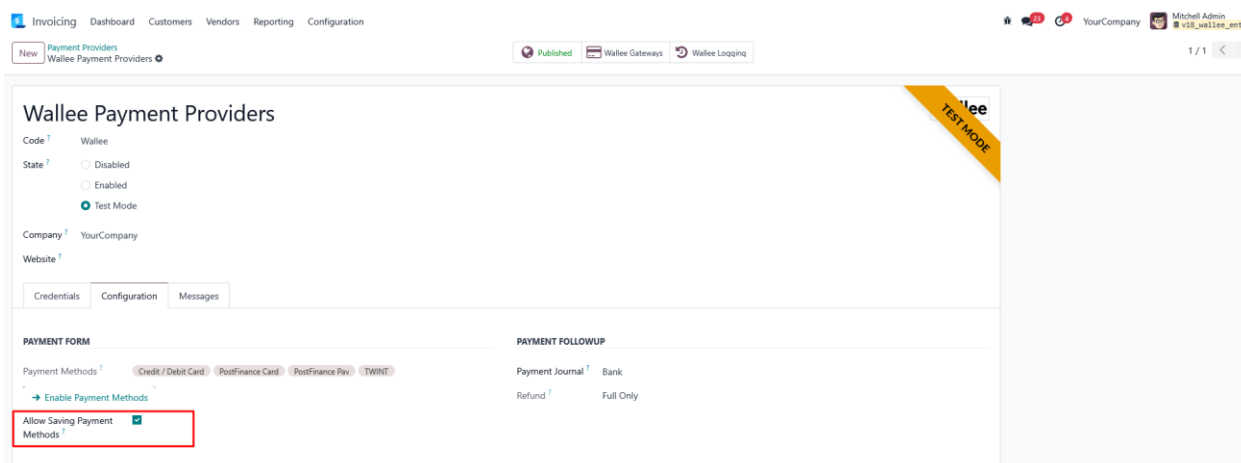
To configure the Wallee Payment Provider in Odoo, you will need the following details from Wallee:

1. **Rest API UserID:** The Application User ID created in app.wallee.com.
2. **Rest API SpaceID:** The Space ID obtained from app.wallee.com.
3. **Application Key:** The Application Key generated in app.wallee.com.

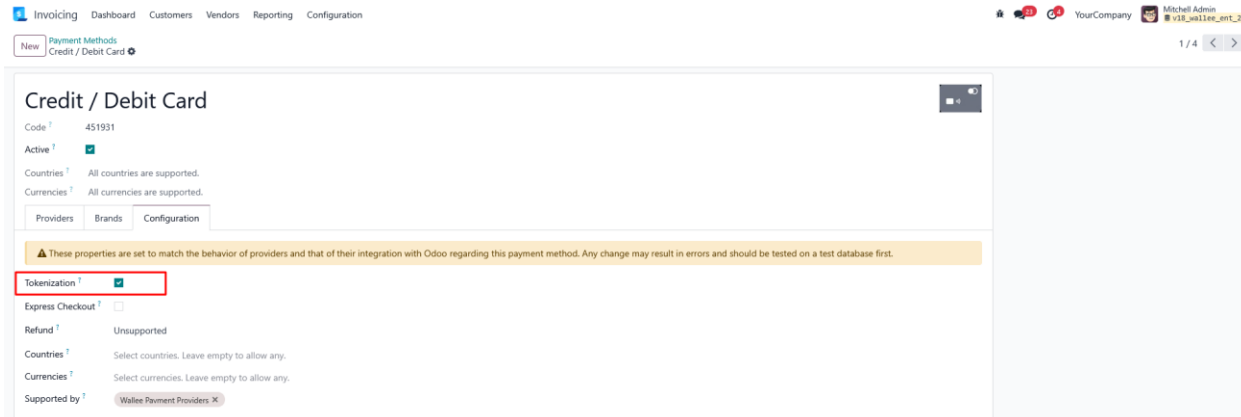
After entering these details, you can set the status to '**Enabled**' for live transactions or '**Test Mode**' for testing purposes.

For token creation in the Odoo backend and to enable the MIT (Merchant Initiated Transaction) recurring payment process, it is necessary to enable the “Allow Saving Payment Methods” option in the payment provider configuration within Odoo. Additionally, tokenization must be enabled (set to true) in the Wallee payment method settings.

These configurations ensure that payment tokens are securely generated and stored, allowing recurring payments to be processed automatically without requiring the customer to re-enter their payment details.



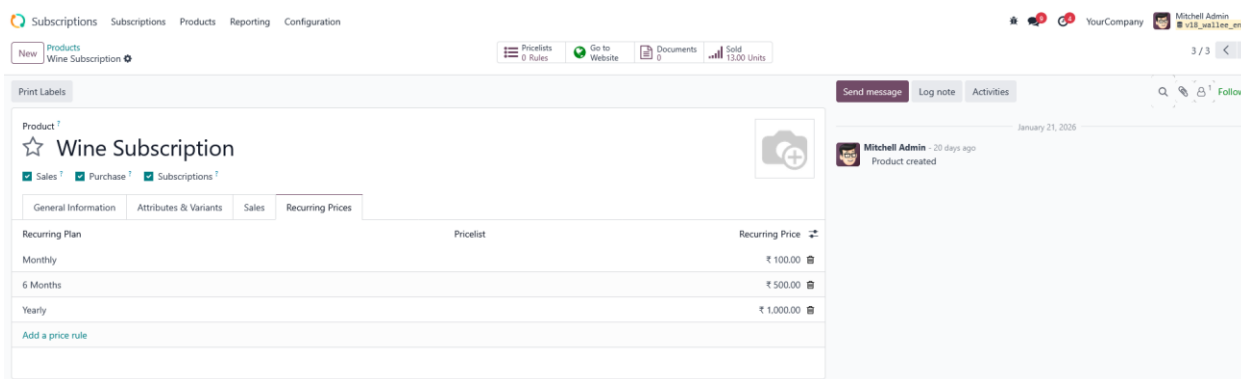
Screenshot 12: Payment Provider Allow Saving Payment Method Page.



Screenshot 13: Payment Provider Tokenization Page.

6.2 Subscription Product Setup

- Go to *Subscriptions App -> Products -> Products*
- Create a **subscription product** based on your selected **recurring pricing options**.
This ensures that the product is billed automatically according to the defined recurrence (such as weekly, monthly, or yearly) and aligns with your subscription and invoicing settings.
- In the **Recurring Prices** tab, clarify the pricing options for the subscription. For each option available, click **Add a price rule** to add a new row.

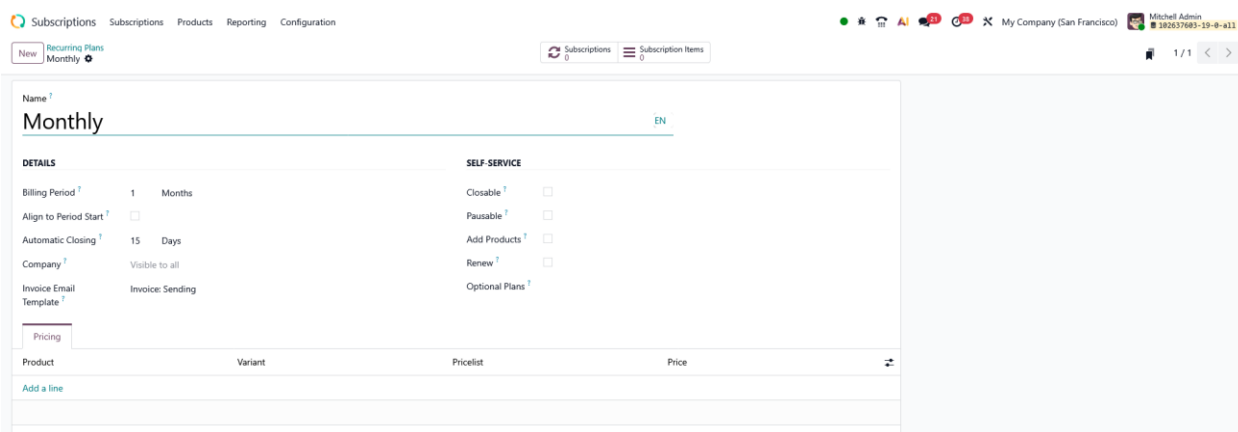


Screenshot 14: Subscription Product Page.

Set up recurring plans:

- Recurring plans define the time period for which a subscription remains active before it renews.

- During the active subscription period, customers receive the subscribed products or services and may also receive additional benefits, such as support desk services.
- Recurring plans determine how frequently customers are charged to continue their subscription benefits.
- To configure recurring plans, go to **Subscriptions** → **Configuration** → **Recurring Plans**.
- The **Subscriptions** app provides several default recurring plans, such as **Monthly** and **Yearly**.
- To create a new recurring plan:
 1. Open the **Recurring Plans** dashboard.
 2. Click **New**.
 3. Enter the required details, including the **Name**, **Details**, **Self-Service**, and **Pricing** information.
- Save the recurring plan once all required details have been configured.



The screenshot shows the Odoo interface for configuring a recurring plan. The top navigation bar includes 'Subscriptions', 'Products', 'Reporting', and 'Configuration'. The user is logged in as 'Mitchell Admin' from 'My Company (San Francisco)'. The main content area is titled 'Monthly' and is divided into two sections: 'DETAILS' and 'SELF-SERVICE'.

DETAILS

- Billing Period: 1 Months
- Align to Period Start: ☐
- Automatic Closing: 15 Days
- Company: Visible to all
- Invoice Email Template: Invoice: Sending

SELF-SERVICE

- Closable: ☐
- Pausable: ☐
- Add Products: ☐
- Renew: ☐
- Optional Plans: ☐

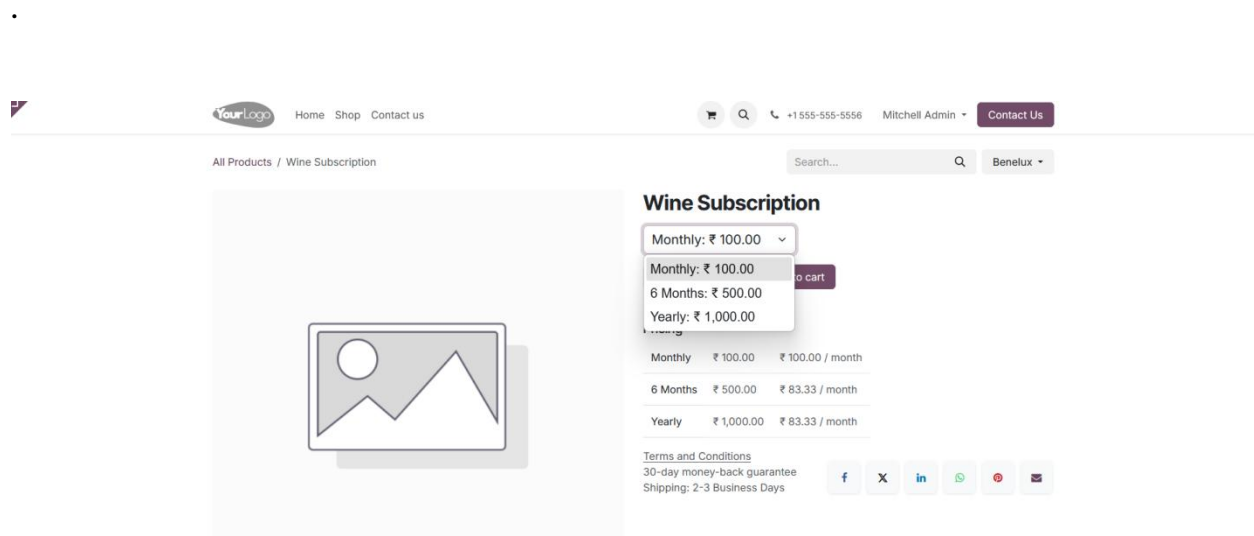
Pricing

Product	Variant	Pricelist	Price
Add a line			

Screenshot 15: Recurring Plan Page.

E-Commerce subscriptions

- Configure the subscription product as a **regular recurring sales product**.
- Open the subscription product and click the **Go to Website** smart button.
- The product page will open on the eCommerce website.
- The subscription product will be available for customers to purchase online.
- Customers can select from the available **recurring periods** when purchasing the subscription.

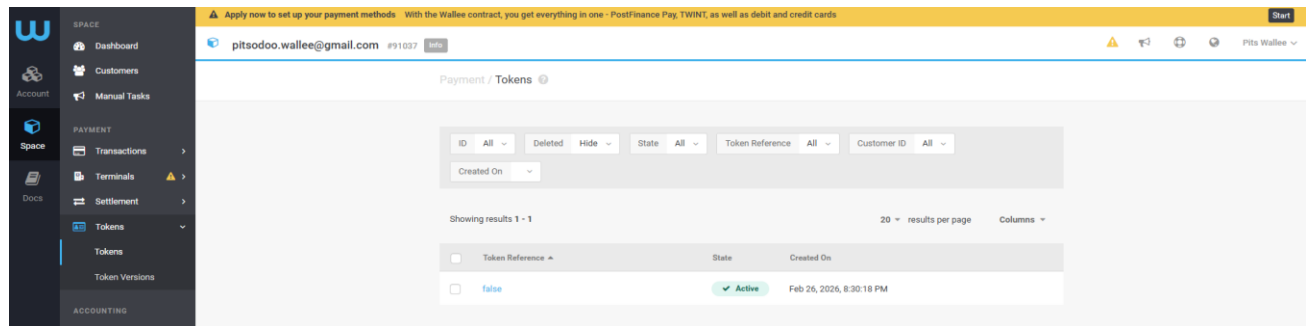


Screenshot 16: E-commerce Subscription Product Page.

Create an Odoo payment token after a successful first-time CIT (Customer Initiated Transaction)

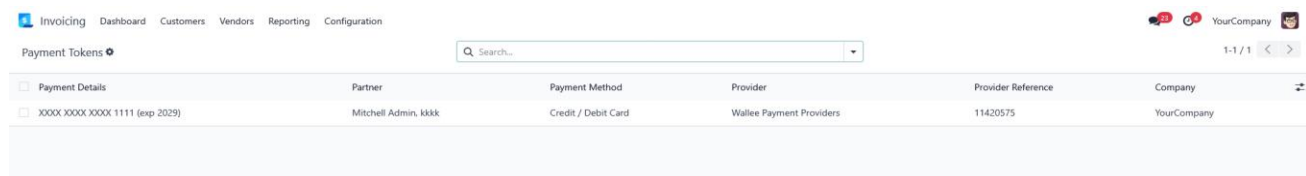
- Enable the required settings for payment tokenization.
- Proceed with the standard **Odoo checkout process (conventional checkout flow)**.
- Complete the checkout and successfully authorize the **Customer-Initiated Transaction (CIT)**.

- After successful payment authorization, a **payment token** is automatically generated.
- The payment token is created and stored in both the **Wallee Back Office** and the **Odoo backend**.
- The stored token can be used to securely process future **Merchant-Initiated Transactions (MIT)** and recurring payments.
- Customers do not need to re-enter their payment details for future recurring or merchant-initiated payments.
- This provides a seamless recurring payment experience while maintaining **security and compliance standards**.



Screenshot 17: Wallee Token Page

Invoicing/Accounting-> Configuration-> Payment Tokens.



Screenshot 18: Odoo Token Page

6.3 Subscription Order Creation

- After a successful checkout, a **subscription order** is automatically created in Odoo.
- The subscription order is created with the status **"In Progress."**

- The subscription schedule is activated according to the configured **billing plan**.
- The **next billing date** is automatically calculated based on the subscription configuration.

S00219

Customer: Mitchell Admin
215 Vine St
Scranton PA 18503
United States

Order Date: 02/26/2026 20:30:33

Recurring Plan: Monthly until

Next Invoice: 03/26/2026

Pricelist: Benelux (NIR)

Payment Terms: Immediate Payment

Product	Quantity	Delivered	Invoiced	Unit Price	Taxes	Disc. %	Amount
Wine Subscription	1.00	0.00	1.00	100.00	5% IGST S (S2/E0)	0.00	₹ 100.00
[Delivery: 007] Standard delivery	1.00	0.00	1.00	0.00	5% IGST S (S2/E0)	0.00	₹ 0.00

Untaxed Amount: ₹ 100.00
IGST: ₹ 0.00
Total: ₹ 100.00

Recurring: ₹ 100.00
Non Recurring: ₹ 0.00

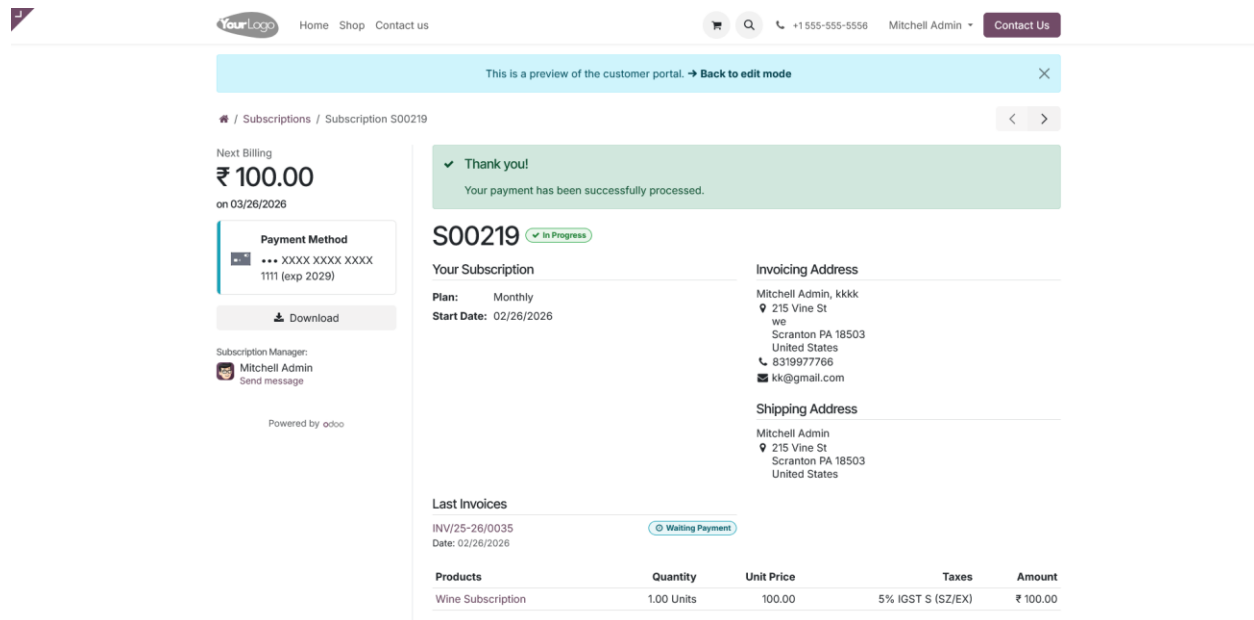
Bill to: 215 Vine St Scranton Pennsylvania 18503 United States
Payment Method: Wallee Payment Providers (₹ 100.00)
Ship to: 215 Vine St Scranton Pennsylvania 18503 United States
Shipping Method: Standard delivery (Free)

Screenshot 19: Subscription Order Form.

6.4 Manage Subscriptions from eCommerce Portal

- Customers can view and manage their subscriptions directly from the **eCommerce portal**.
- Navigate to **My Account** → **Subscriptions**.
- Customers can view complete subscription details, including:
 - Selected **subscription plan**
 - **Recurring billing cycle**
 - **Next billing date**
 - **Payment method** used for recurring charges
 - Current **subscription status**

- This provides customers with full transparency about their active subscription and upcoming payments.



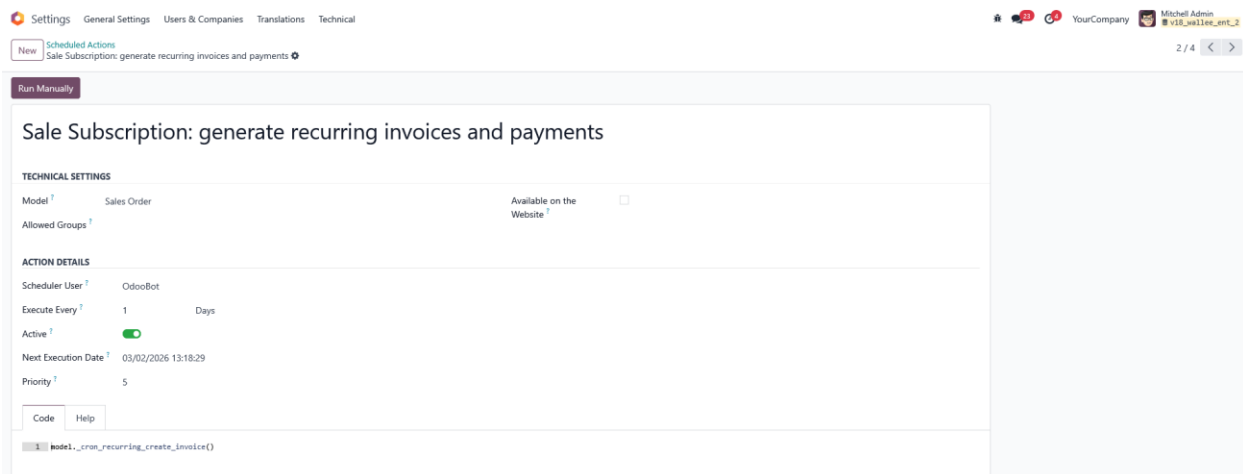
Screenshot 20: Portal Subscription Order Page.

6.5 Automated Subscription Renewal

- A **scheduled job (cron)** runs daily to identify subscriptions that are due for renewal.
- The system checks the configured **billing plan** (Monthly, Yearly, etc.) and the **next billing date**.
- For subscriptions due for renewal, the system automatically generates a **new recurring invoice**.
- The invoice payment is processed using the **stored payment token** through the **Merchant-Initiated Transaction (MIT)** process.
- No customer action is required during the recurring payment process.

- Once the payment is successfully completed:
 - The **next billing date** is automatically updated according to the subscription plan.
 - The subscription remains in the **“In Progress”** state.
- This automated process ensures:
 - Timely subscription renewals
 - Uninterrupted services
 - Accurate billing cycles
 - Minimal manual intervention

Settings app -> Technical -> Scheduled Actions



Screenshot 21: Sale Subscription Cron

6.6 What Happens If an Automatic Payment Fails?

- When an automatic payment fails, the sales order is updated with:
 1. A **Payment Failure** tag.
 2. The **Contract in Exception** checkbox is enabled under **Subscription** in the **Other Info** tab.

- The **Contract in Exception** status prevents scheduled actions from running.
- This helps prevent accidental **double charging** if the payment was processed but the system did not receive the payment status correctly.

If the Payment Was Not Made

- Go to **Subscriptions** → **Subscriptions** → **Quotations**.
- Open the affected subscription.
- Check the **Chatter** to confirm whether the payment was received.
- If the payment was not made:
 1. Enable **Developer Mode**.
 2. Open the **Other Info** tab.
 3. Untick **Contract in Exception**.
 4. Reload the sales order.
 5. Verify that the **Payment Failure** tag has been removed.
- Scheduled actions can then resume for the subscription.

If the Payment Was Made

- If the payment was successfully processed, create and **post a new invoice manually**.
- Creating the invoice automatically updates the **next invoice date** of the subscription.
- Enable **Developer Mode** and open the related sales order.
- Go to the **Other Info** tab.
- Untick **Contract in Exception**.
- Reload the sales order.
- Verify that the **Payment Failure** tag has been removed.

Subscriptions Subscriptions Products Reporting Configuration

New Subscriptions S00219

Invoices 1 MRR ₹ 100.00

Create Invoice Send by Email Preview Cancel Upsell Renew Close Quotation Quotation Sent Sales Order Send m

S00219 In Progress Payment Failure

Customer ? Mitchell Admin
215 Vine St
Scranton PA 18503
United States

Order Date ? 02/26/2026 20:30:33

Recurring Plan ? Monthly until

Next Invoice ? 03/26/2026

GST Treatment ? Overseas

Pricelist ? Benelux (INR)

Invoice Address ? Mitchell Admin, kkkk

Payment Terms ? Immediate Payment

Delivery Address ? Mitchell Admin

Quotation Template ?

Order Lines Quote Builder Other Info Notes

SALES

Salesperson ? Mitchell Admin

Sales Team ? Website

Website ? My Website

Company ? YourCompany

Online signature ? ☐

Online payment ? ☒ of 100%

Customer Reference ?

Tags ?

SUBSCRIPTION

Start Date ? 02/26/2026

Parent Contract ?

Payment Token ? ... XXXX XXXX XXXX 1111 (exp 2029)

Contract in exception ? ☒

Pending Transaction ? ☐

INVOICING

SHIPPING

Screenshot 22: Sale Subscription Payment Failure

7. Technical Requirements & Compatibility

- **Technical Requirements:**

- Required Odoo modules: sale_subscription (must be installed and enabled).
- Other Modules: [Wallee Payment Provider Plugin](#)

- **Compatibility:**

- Compatible with Odoo Enterprise v18.

8. Changes Log / Release Notes

- Version 1.0.0 – October 2026
 - Initial release.

9. Support

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