



User Manual

Datatrans Payment Provider Plugin for Odoo v18.0

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1. Introduction

The Datatrans Payment Provider Plugin seamlessly integrates with your Odoo webshop, adding a powerful payment module. As Switzerland's leading Payment Service Provider, Datatrans supports a wide range of payment methods, including credit cards, digital wallets, and alternative payment options. The plugin operates in redirect mode, guiding customers to the secure Datatrans Payment Page. This single integration provides access to all payment methods supported by the configured merchant, ensuring fast, secure, and hassle-free transactions that can help boost your sales.

2. Features

- **Basic Payment Transaction Workflow:** Efficiently handles standard payment transactions with ease.
- **Payment Method-Specific Configurations:** Enables customization tailored to different payment methods for enhanced flexibility.
- **Customer Customization:** Offers options to personalize the payment experience based on customer preferences.
- **Supported Payment Methods:** Supports a comprehensive range of payment methods, including major cards like *American Express, Diners Club, Discover, Mastercard, Visa, and Maestro*, as well as the *PostFinance Card* provided by Datatrans. Additionally, the plugin covers other popular options such as *AirPlus, UnionPay, JCB, Sofort, Twint, and SwissPass*, ensuring broad compatibility with customer needs.

***Note:** Due to technical limitations on the SwissPass side, payment testing was limited to CHF currency.*

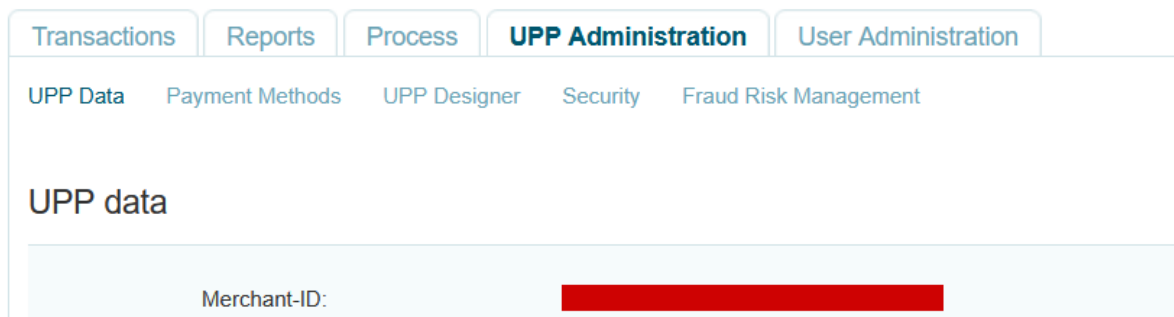
- **Easy Configuration:** Simplifies the integration of additional payment methods supported by Datatrans, ensuring a smooth setup process.

- **Transparent Log History:** Maintains a clear and detailed transaction log for accountability and tracking purposes.
- **Sale Order Payments:** Allows payment processing directly through sale orders, streamlining order management.
- **Invoice Payments:** Supports seamless payment for invoices, enhancing operational efficiency.
- **Multi-Website Compatibility:** Works across multiple websites, making it ideal for businesses with diverse online presences.
- **Datatrans Refund:** Facilitates reverse transactions using the original payment method for the specified amount, with detailed records available in the Datatrans Backoffice.

3. Screenshots

Datatrans Payment Backoffice URL - <https://admin.datatrans.com/>

·datatrans.



Screenshot 1: Datatrans Webadmin Tool - Merchant ID.

Transactions	Reports	Process	UPP Administration	User Administration
UPP Data	Payment Methods	PSD Exemptions	UPP Designer	Security
Fraud Risk Management				

Security signature

→ [Server-to-Server services security](#)

If you are using our JSON APIs, only use this page for Webhook signing (sign).

→ <https://docs.datatrans.ch/docs/additional-security>

If you are not yet using our JSON APIs, you are required to implement one of the measures which are described here to

→ <https://docs.datatrans.ch/v1.0.1/docs/security-validation>

☐ No additional security element will be send with payment messages

☐ An additional Merchant-IDentification will be send with payment messages

The parameter **sign** with following value must be sent with every authorisation message

sign =

☒ Important parameters will be digitally signed (HMAC-SHA256) and sent with payment messages

The parameter **sign** must be sent with every authorisation message.
 It contains a digital signature (an encrypted HashCode HMAC-SHA256 in hexadecimal format).
 Signed are parameters aliasCC (optional), MerchantId, Amount, Currency and Reference number.
 Use the aliasCC value **noAlias** if the authorisation message must not use aliasCC.
 Your HMAC key (in hexadecimal format):

☐ Use another key for **sign2** generation

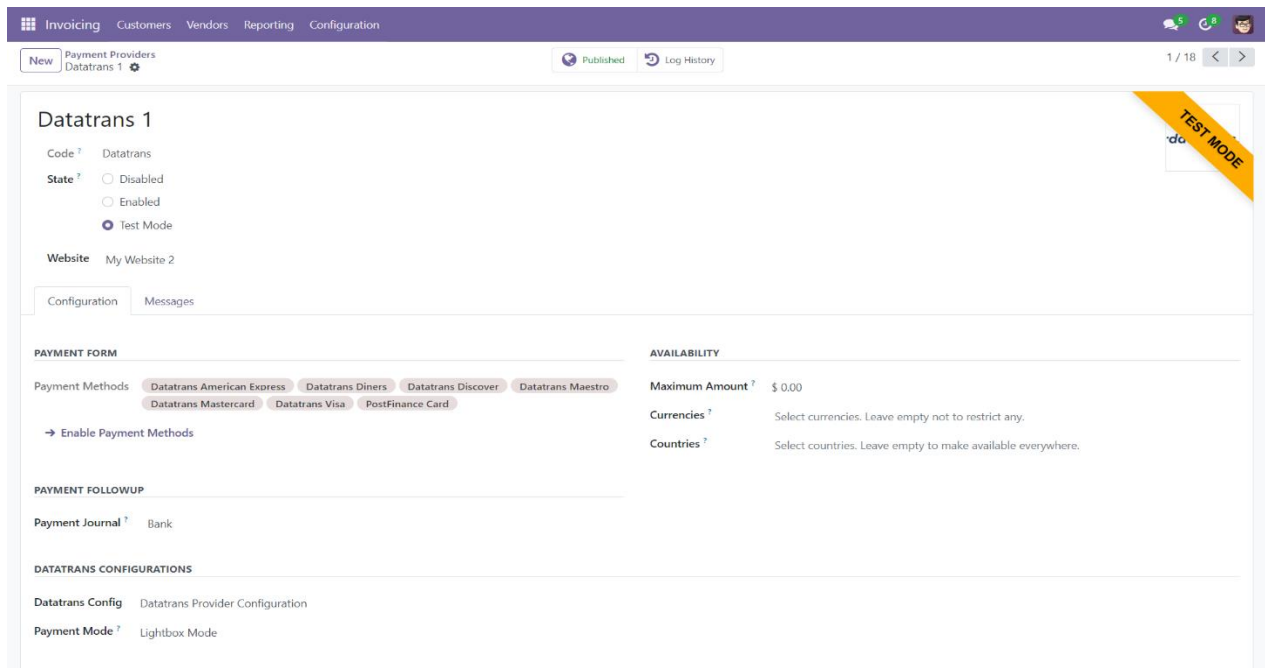
☐ Apply sign settings for the following APIs: settlement, credit, cancel (deprecated, please use "Server-to-Server services security")

Screenshot 2: Datatrans Webadmin Tool - security signature.

Language ? Portuguese

Screenshot 3: Datatrans Provider Configuration: Enable Dynamic Signature.





Datatrans 1

Code [?] Datatrans

State [?] ☐ Disabled ☐ Enabled ☒ Test Mode

Website My Website 2

Configuration Messages

PAYMENT FORM

Payment Methods **Datatrans American Express** **Datatrans Diners** **Datatrans Discover** **Datatrans Maestro** **Datatrans Mastercard** **Datatrans Visa** **PostFinance Card**

→ Enable Payment Methods

PAYMENT FOLLOWUP

Payment Journal [?] Bank

DATATRANS CONFIGURATIONS

Datatrans Config Datatrans Provider Configuration

Payment Mode [?] Lightbox Mode

AVAILABILITY

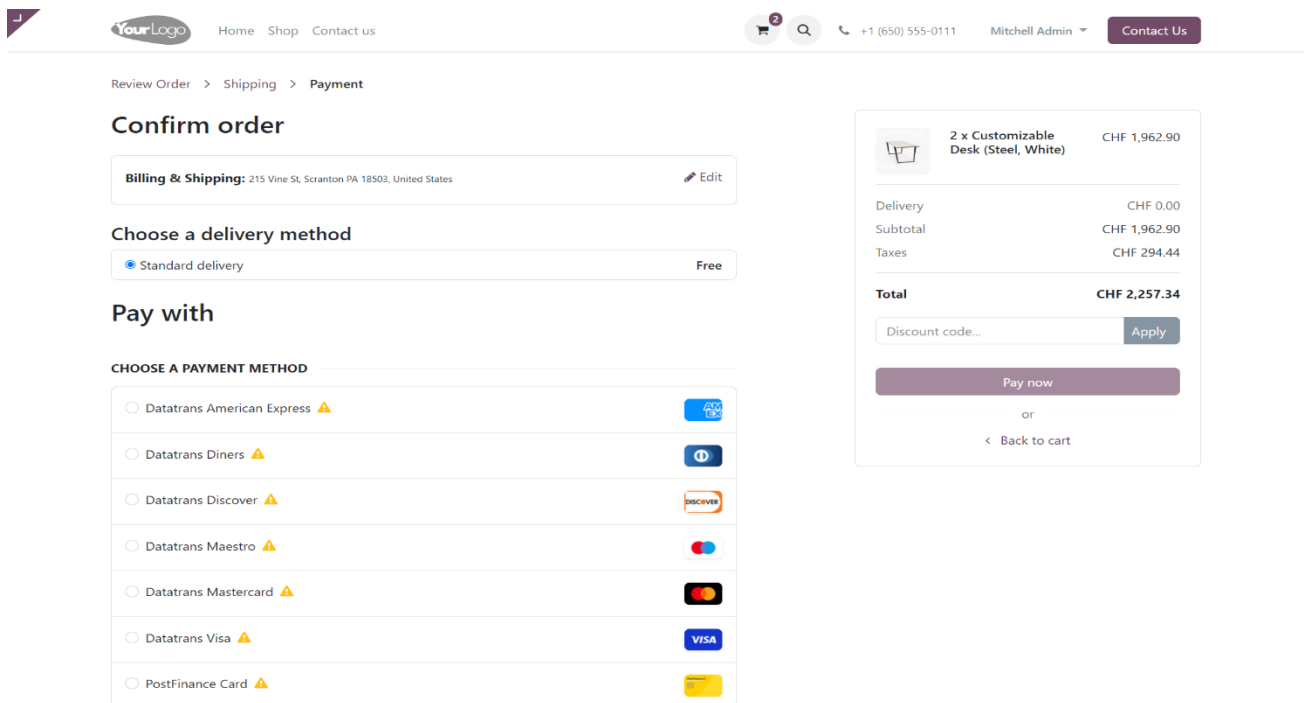
Maximum Amount [?] \$ 0.00

Currencies [?] Select currencies. Leave empty not to restrict any.

Countries [?] Select countries. Leave empty to make available everywhere.

TEST MODE

Screenshot 5: Provider Detail Page.



Confirm order


Billing & Shipping: 215 Vine St, Scranton PA 18503, United States [Edit](#)


Choose a delivery method


☒ Standard delivery **Free**


Pay with


CHOOSE A PAYMENT METHOD


☐ Datatrans American Express 


☐ Datatrans Diners 

☐ Datatrans Discover 

☐ Datatrans Maestro 

☐ Datatrans Mastercard 

☐ Datatrans Visa 

☐ PostFinance Card 

Summary:

2 x Customizable Desk (Steel, White)	CHF 1,962.90
Delivery	CHF 0.00
Subtotal	CHF 1,962.90
Taxes	CHF 294.44
Total	CHF 2,257.34

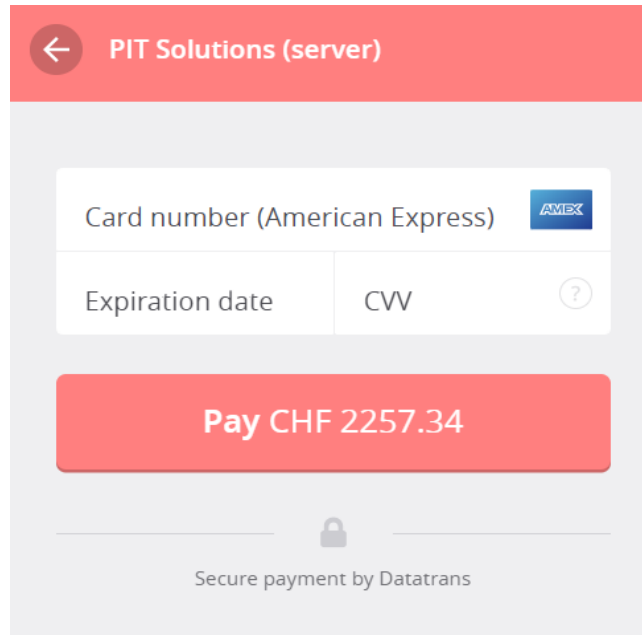
Discount code... [Apply](#)

[Pay now](#)

or

[Back to cart](#)

Screenshot 6: Ecommerce Pay Now Page.



Screenshot 7: Datatrans Payment Detail Page.

Order S00039 Confirmed

Thank you for your order. [Print](#)

Payment Information:

Datatrans

Total: \$ 3,000.00

Your payment has been successfully processed. Thank you!

Billing & Shipping: 215 Vine St, Scranton PA 18503, United States

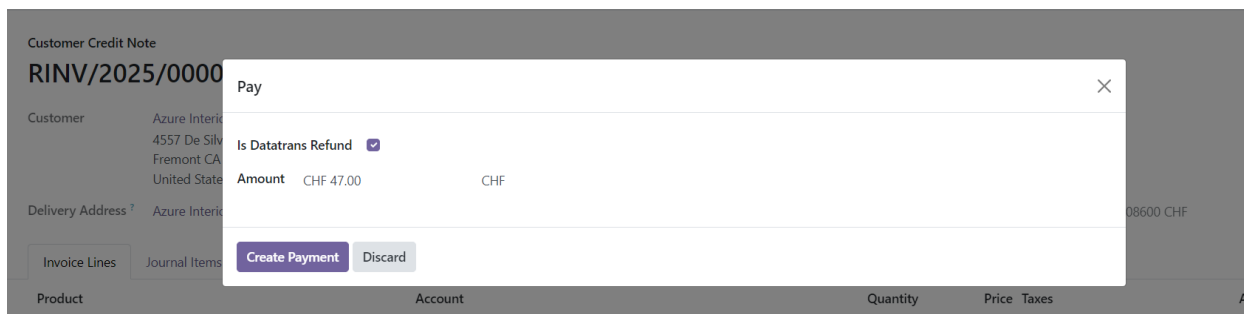
Screenshot 8: Payment Confirmed.

Order S00064

Payment Information:

Datatrans

Total: \$ 1,500.00

Datatrans: Declined - card blocked**Billing & Shipping:** 215 Vine St, Scranton PA 18503, United States*Screenshot 9: Payment Failed.**Screenshot 10: Refund Payment*

Payment Providers / Datatrans - Website 1				
Datatrans Log History				
<input type="checkbox"/>	Created on	Result	Description	Payment Method
<input type="checkbox"/>	11/05/2024 09:56:27	Cancel	INV/2024/00019	Datatrans American Express
<input type="checkbox"/>	11/05/2024 09:38:31	Success	INV/2024/00018	Datatrans American Express
<input type="checkbox"/>	10/30/2024 15:59:59	Cancel	S00141	Twint
<input type="checkbox"/>	10/30/2024 11:24:17	Cancel	INV/2024/00017-1	Datatrans American Express
<input type="checkbox"/>	10/30/2024 11:12:11	Cancel	INV/2024/00017	Datatrans American Express
<input type="checkbox"/>	10/30/2024 10:59:21	Success	INV/2024/00016	Datatrans American Express
<input type="checkbox"/>	10/30/2024 10:19:35	Success	INV/2024/00015	Datatrans American Express
<input type="checkbox"/>	10/28/2024 18:31:16	Success	INV/2024/00013	Datatrans American Express
<input type="checkbox"/>	10/28/2024 15:22:36	Success	INV/2024/00011	Datatrans American Express
<input type="checkbox"/>	10/25/2024 15:22:48	Success	S00140	Datatrans American Express
<input type="checkbox"/>	10/25/2024 15:11:24	Success	INV/2024/00010	Datatrans American Express
<input type="checkbox"/>	10/25/2024 09:38:55	Success	INV/2024/00009	Datatrans American Express
<input type="checkbox"/>	10/24/2024 18:57:28	Success	INV/2024/00007	Datatrans American Express
<input type="checkbox"/>	10/24/2024 18:43:56	Success	INV/2024/00006	Datatrans American Express
<input type="checkbox"/>	10/24/2024 17:21:21	Success	S00139-3	Datatrans Discover
<input type="checkbox"/>	10/24/2024 17:20:29	Error	S00139-2	Datatrans Discover

Screenshot 11: Datatrans Log History.

4. Datatrans Multi-website & Theme Backend configuration

Invoicing

Customers

Vendors

Reporting

Configuration

New

Payment Providers

Datatrans - datatrans-test1.dev.displayme.net - WEBSL...

Published

Log History

2 / 18

Duplicate

Delete

Duplicate an existing datatrans provider

TEST MODE

Datatrans

Code ? Datatrans

State ? ☐ Disabled ☐ Enabled ☒ Test Mode

Website My Website

Configuration Messages

PAYMENT FORM

Payment Methods

Airplus

Datatrans American Express

Datatrans Diners

Datatrans Discover

Datatrans Maestro

Datatrans Mastercard

Datatrans Paypal

Datatrans UnionPay

Datatrans Visa

Giroresolution EPS

JCB

Miqros Bank E-Pays

PostFinance Card

Powerpay Authorization

Sofort

SwissPass

Twint

mvOne Card

→ Enable Payment Methods

PAYMENT FOLLOWUP

Payment Journal ? Bank

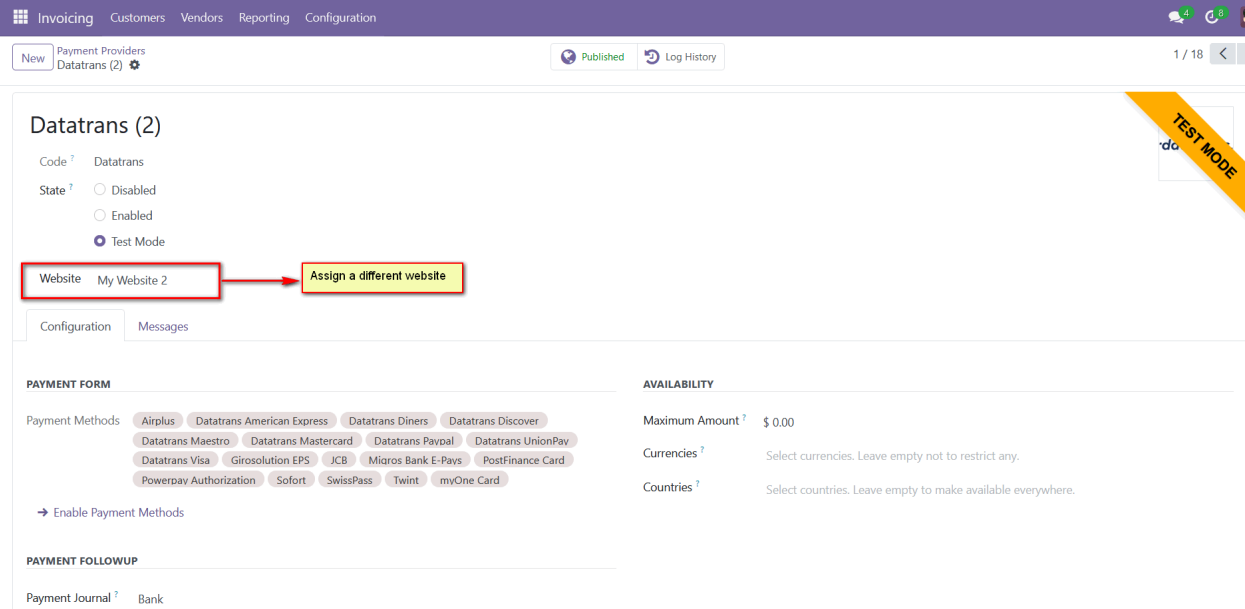
AVAILABILITY

Maximum Amount ? \$ 0.00

Currencies ? ☐ CHF ☒ EUR ☐ USD

Countries ? Select countries. Leave empty to make available everywhere.

Screenshot 12: For multi-website configuration, need to create multiple Datatrans payment Provider by duplicating the existing Datatrans payment Provider.



Datatrans (2)

Code [?] Datatrans

State [?] ☐ Disabled ☐ Enabled ☒ Test Mode

Website **My Website 2** Assign a different website

Configuration Messages

PAYMENT FORM

Payment Methods: Airplus, Datatrans American Express, Datatrans Diners, Datatrans Discover, Datatrans Maestro, Datatrans Mastercard, Datatrans PayPal, Datatrans UnionPay, Datatrans Visa, Girosolution EPS, JCB, Miqros Bank E-Pays, PostFinance Card, Powerpay Authorization, Sofort, SwissPass, Twint, myOne Card

→ Enable Payment Methods

AVAILABILITY

Maximum Amount [?] \$ 0.00

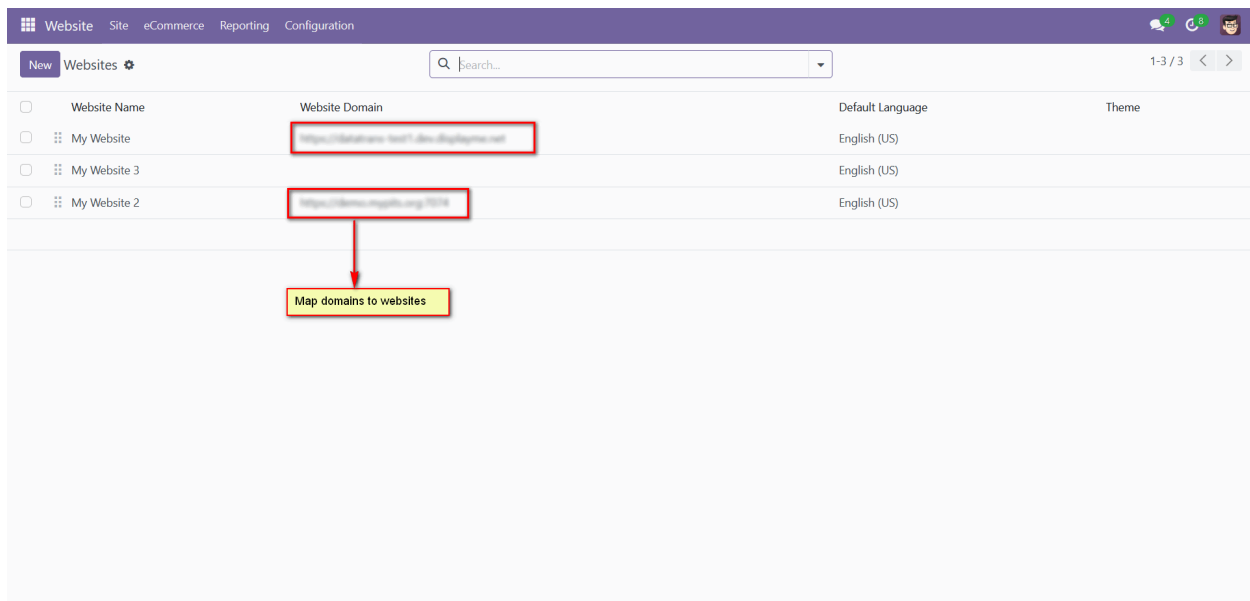
Currencies [?] Select currencies. Leave empty not to restrict any.

Countries [?] Select countries. Leave empty to make available everywhere.

PAYMENT FOLLOWUP

Payment Journal [?] Bank

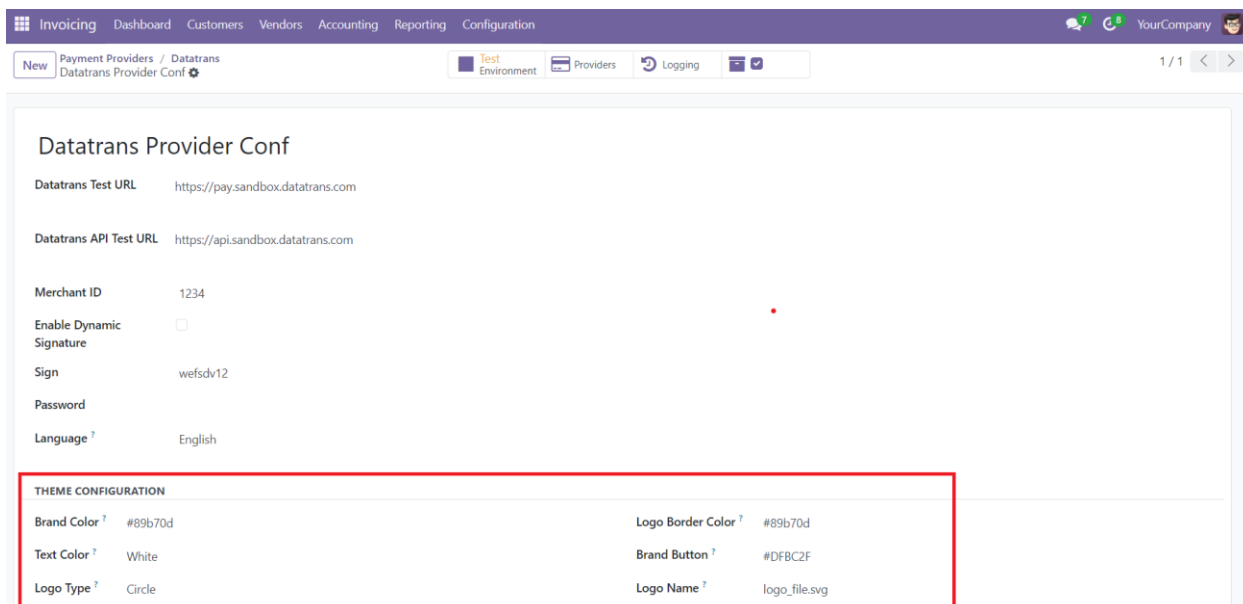
Screenshot 13: After creating the Datatrans payment Provider, map the respective website and add the Datatrans credentials.



Website Name	Website Domain	Default Language	Theme
<input type="radio"/> My Website	https://datatrans-test1.dms.developers.net	English (US)	
<input type="radio"/> My Website 3		English (US)	
<input type="radio"/> My Website 2	https://demo.magento.org/2014	English (US)	

Map domains to websites

Screenshot 14: For multi-website functioning, it is necessary to set the domain for the websites.



Datatrans Provider Conf

Datatrans Test URL: `https://pay.sandbox.datatrans.com`

Datatrans API Test URL: `https://api.sandbox.datatrans.com`

Merchant ID: 1234

Enable Dynamic Signature: ☐

Sign: wefsdv12

Password:

Language: English

THEME CONFIGURATION

Brand Color	#89b70d	Logo Border Color	#89b70d
Text Color	White	Brand Button	#DFBC2F
Logo Type	Circle	Logo Name	logo_file.svg

Screenshot 15: Datatrans theme configuration

The **Theme Configuration** section in the Datatrans Provider configuration allows you to customize the payment page's appearance to align with your brand identity. Below is a description of each field:

- **Brand Colour:** Specify the primary colour for your brand in hexadecimal format (e.g., #89b70d). This colour will be used to customize the overall theme of the payment interface.
- **Text Colour:** Define the colour of the text displayed on the payment page. For example, setting it to White ensures high contrast with the background for better readability.
- **Logo Type:** Choose the display style of your logo on the payment page. Options include Circle and Rectangle, depending on your preference and logo design.
- **Logo Border Colour:** Input a hexadecimal code to customize the border colour around the logo. For example, #89b70d matches the brand colour and creates a unified visual theme.
- **Brand Button:** Customize the colour of buttons displayed on the payment page. For instance, #DFBC2F can be used for a vibrant and eye-catching button colour.

- **Logo Name:** Enter the name of the logo file to be displayed on the payment page (e.g., logo_file.svg). Ensure the file is uploaded to the Datatrans administration panel for it to appear correctly.

5. Brief Description

To ensure the Datatrans Payment Provider Plugin functions smoothly, follow these configuration steps:

Initial Setup:

1. **Configure Datatrans Provider:** Begin by entering your Merchant ID, password, and dynamic sign from the Datatrans web administration tool into the Odoo backend.
2. **Activate Provider:** Once configured, the Datatrans payment acquirer will be available by default. Activate the provider to make it visible on the shop's payment page.

Step-by-Step Configuration:

Prerequisites:

- Ensure you have access to the Datatrans web administration tool to verify and process transactions. You will need the **Merchant ID** and **Dynamic Sign** for backend configuration.
- To process a refund, the associated merchant password must also be properly configured.

Steps:

1. **Datatrans Configuration:**
 - Access the Odoo backend and configure the Datatrans Provider with your Merchant ID, password, and dynamic sign.
2. **Activate Datatrans Payment Provider:**
 - Publish or enable the Datatrans payment provider in your Odoo backend to make it available for use.

3. Enter Credentials:

- In the Datatrans Provider Configuration record in Odoo, add the Datatrans credentials: Merchant ID, Dynamic Sign, and enable Dynamic Signature if required.

4. Test Checkout Process:

- Navigate to your e-commerce website, add products to the cart, and proceed to checkout.

5. Select Payment Method:

- Choose the Datatrans payment method at checkout and proceed with the payment.

6. Complete Transaction:

- On the Datatrans Payment Page, enter the required details to complete the transaction.

7. Order Confirmation:

- After a successful payment, the order will be placed, and you will be redirected back to your Odoo Webshop.

8. Processing Refund

- To initiate a refund, generate a credit note corresponding to the original invoice amount by navigating to the invoice and clicking on Credit Note button.
- Once the credit note is created, confirm it by clicking the **Confirm** button. This action will validate the credit note and prepare it for the refund process.
- Once the credit note is confirmed, click the **Pay** button to proceed with the refund payment. Here, you may adjust the refund amount, if it does not exceed the original or remaining refundable amount.
- A transaction for the specified refund amount will be created and can be viewed in the Datatrans back office.

9. Multi-Website Configuration:

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

10. Map and Configure Multiple Websites:

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

11. Set Domain for Websites:

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

By following these steps, you can effectively configure and utilize the Datatrans Payment Provider Plugin within your Odoo Webshop.

6. Technical Requirements / Compatible With:

- Technical Requirements: Odoo Sales, Payment, Contact, Invoicing and Website Module.
- Odoo Community Edition: v18.0, Odoo Enterprise: v18.0

7. Datatrans Payment Page Supported Languages

- English and other Datatrans supported languages.

8. Changes Log / Release Notes

- Version 1.0.0: Jan 2025
 - Initial release

9. Support

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