



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.

Important Notice:

- American Express (Amex) transactions in EUR currency were not authorized during the plugin verification process, and therefore we were unable to test and confirm this payment flow in the Datatrans test

environment. This issue appears to be due to limitations within the test setup, and the functionality is expected to work correctly in the production environment with live credentials.

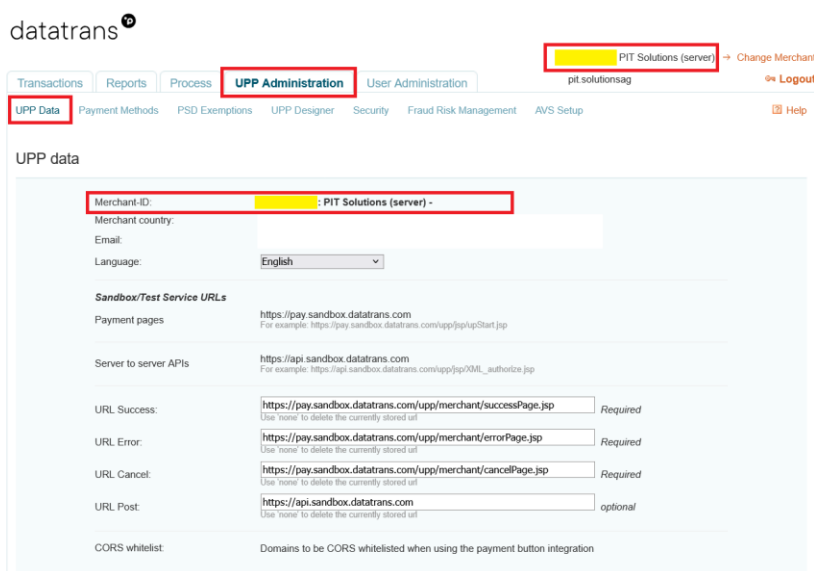
- Due to technical limitations on the SwissPass side, verification of payments using SwissPass was limited to CHF currency.
- **Easy Configuration:** Simplifies the integration of additional payment methods supported by Datatrans, ensuring a smooth setup process.
- **Transparent Log History:** Maintains 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. Configuration

To configure your payment integration correctly, you need your **Datatrans Merchant ID**. This ID is available within the Datatrans Webadmin Tool (Backoffice) under the UPP settings section. Follow the steps below to locate it:

- Go to the Datatrans Webadmin Tool: Open your browser and visit <https://admin.datatrans.com/>
- Log in with your Datatrans credentials.

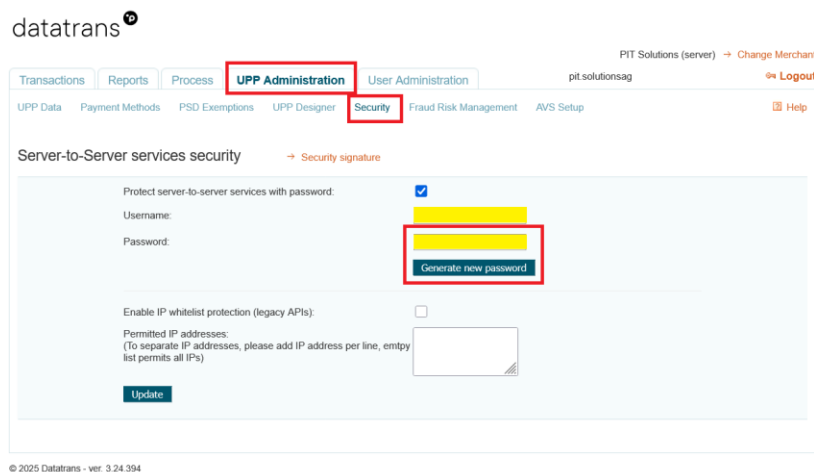
- Once logged in, navigate to the **"UPP Administration"** section.
- Under **"UPP Administration"**, click on **"UPP Data"**.
- In the **UPP Data** screen, you will find the **Merchant ID** listed. This is a unique identifier required for payment integration and configuration.



Screenshot 1: Datatrans Webadmin Tool - Merchant ID

The **API Password** is required to authenticate API requests between your system and Datatrans. It is securely managed within the Datatrans Webadmin Tool. Follow the steps below to access or set your API Password:

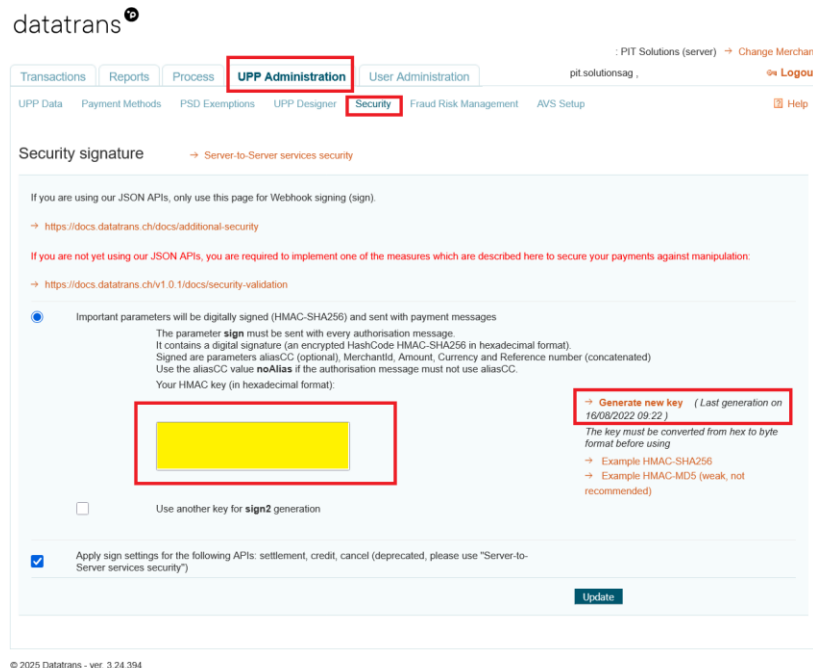
- Navigate to **UPP Administration > Security** menu.
- In the **Security** section, locate the **API Password** field. If it's not already set, you can generate a new password here.



Screenshot 2: Datatrans Webadmin Tool – API Password

The **Security Signature** (also known as the HMAC key) is used to ensure secure communication between your system and Datatrans by validating the integrity of API requests. You can find or configure this key in the Security section of the Webadmin Tool.

- In the Datatrans Webadmin Tool, go to **UPP Administration > Security**.
- Click on the **Security Signature** section.
- Here, you'll see the existing HMAC key or have the option to generate a new one. If you generate a new key, make sure to save it securely.



Screenshot 3: Datatrans Webadmin Tool - Security Signature.

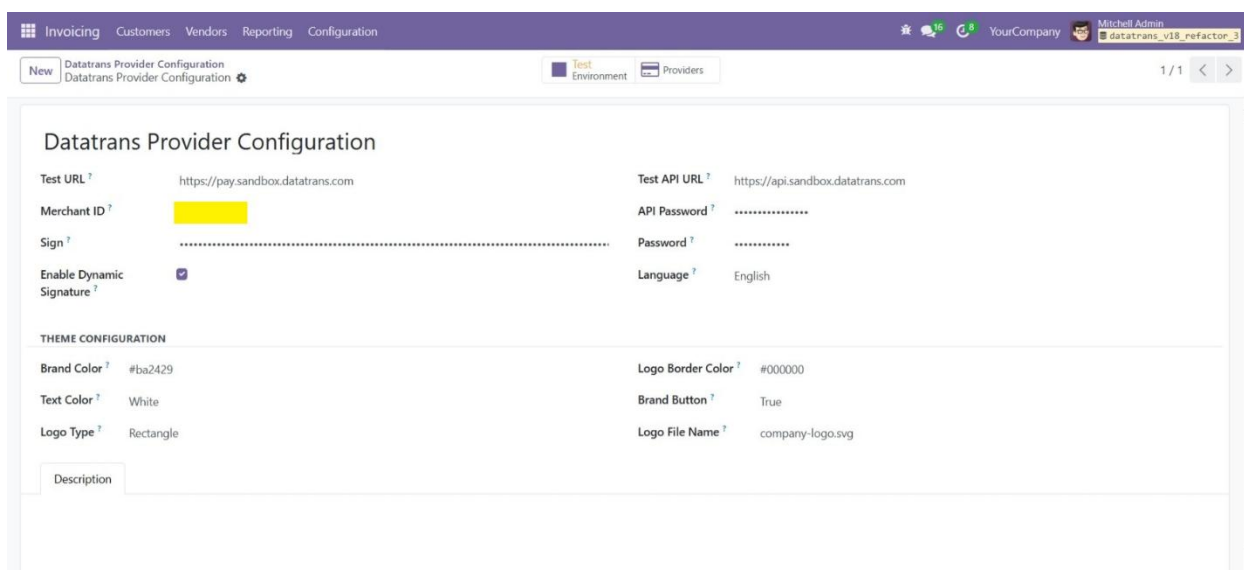
After collecting the required credentials from the Datatrans Backoffice, configure the payment provider settings in Odoo by navigating to **Invoicing > Configuration > Online Payments > Datatrans Configuration**.

Please make sure that you have completed the following configurations:

- **Merchant ID:** Found at the top-right corner after logging in, or under **UPP Administration → UPP Data**.
- **API Password:** Located in **UPP Administration → Security**, under the **Password** field.
- **Sign (Security Signature):** Available in **UPP Administration → Security**, under the **Security Signature** section.

- **Password:** This is your Datatrans account login password used to access <https://admin.datatrans.com>.
- **Enable Dynamic Signature:** Ensure this option is enabled to allow secure, real-time signature validation for transactions.

Once these details are entered into the Odoo backend provider configuration, save the settings to complete the integration.



Datatrans Provider Configuration

Test URL ?

Merchant ID ?

Sign ?

Enable Dynamic Signature ? ☒

Test API URL ?

API Password ?

Password ?

Language ?

THEME CONFIGURATION

Brand Color ?

Text Color ?

Logo Type ?

Logo Border Color ?

Brand Button ?

Logo File Name ?

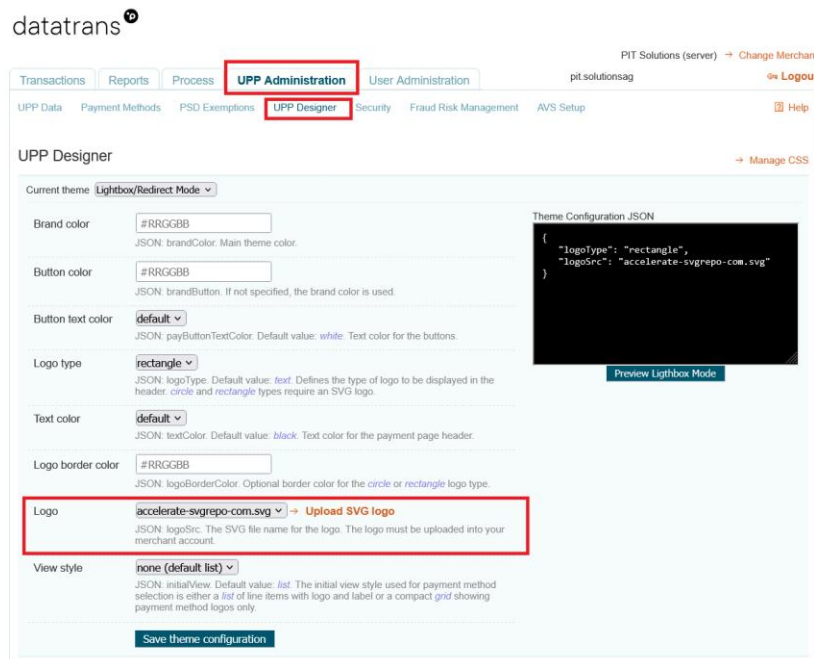
Description

Screenshot 4: Datatrans Provider 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., company-logo.svg). Ensure the file is uploaded to the Datatrans administration panel for it to appear correctly.



datatrans[®]

PIT Solutions (server) → Change Merchant
pit.solutionsag Logout

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

UPP Designer → Manage CSS

Current theme: **Lightbox/Redirect Mode**

Brand color: #RRGGBB
JSON: brandColor: Main theme color.

Button color: #RRGGBB
JSON: brandButton: If not specified, the brand color is used.

Button text color: default
JSON: payButtonTextcolor: Default value: white. Text color for the buttons.

Logo type: rectangle
JSON: logoType: Default value: list. Defines the type of logo to be displayed in the header. circle and rectangle types require an SVG logo.

Text color: default
JSON: textColor: Default value: black. Text color for the payment page header.

Logo border color: #RRGGBB
JSON: logoBorderColor: Optional border color for the circle or rectangle logo type.

Logo: accelerate-svgrepo-com.svg → Upload SVG logo
JSON: logoSrc: The SVG file name for the logo. The logo must be uploaded into your merchant account.

View style: none (default list)
JSON: initialView: Default value: list. The initial view style used for payment method selection is either a list of line items with logo and label or a compact grid showing payment method logos only.

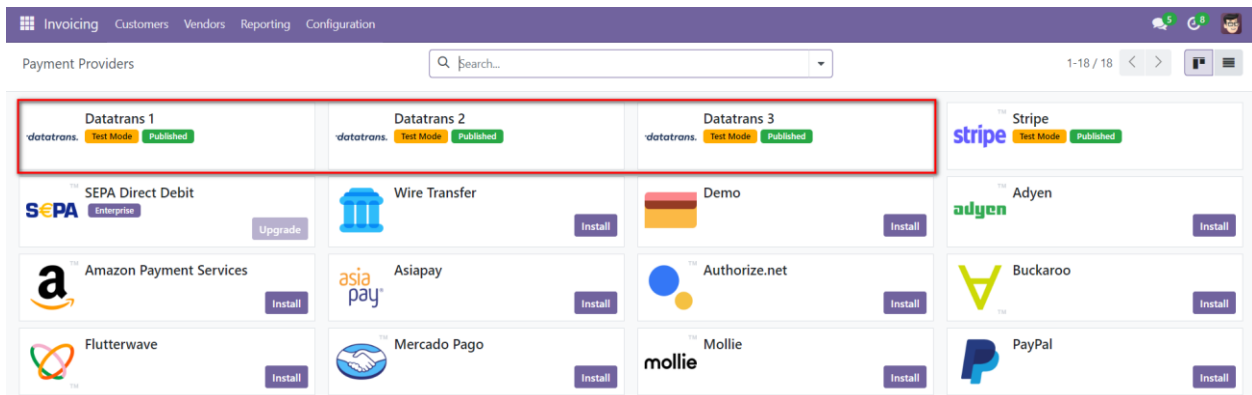
Save theme configuration

Theme Configuration JSON

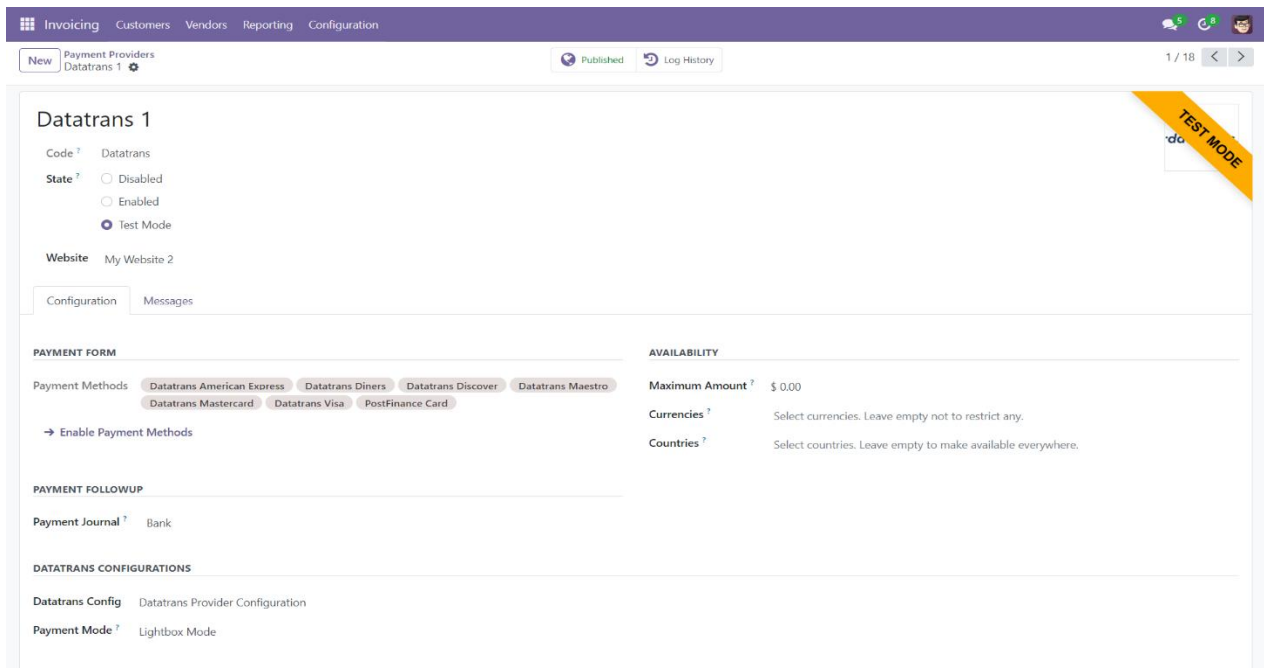
```
{
  "logoType": "rectangle",
  "logoSrc": "accelerate-svgrepo-com.svg"
}
```

Preview Lightbox Mode

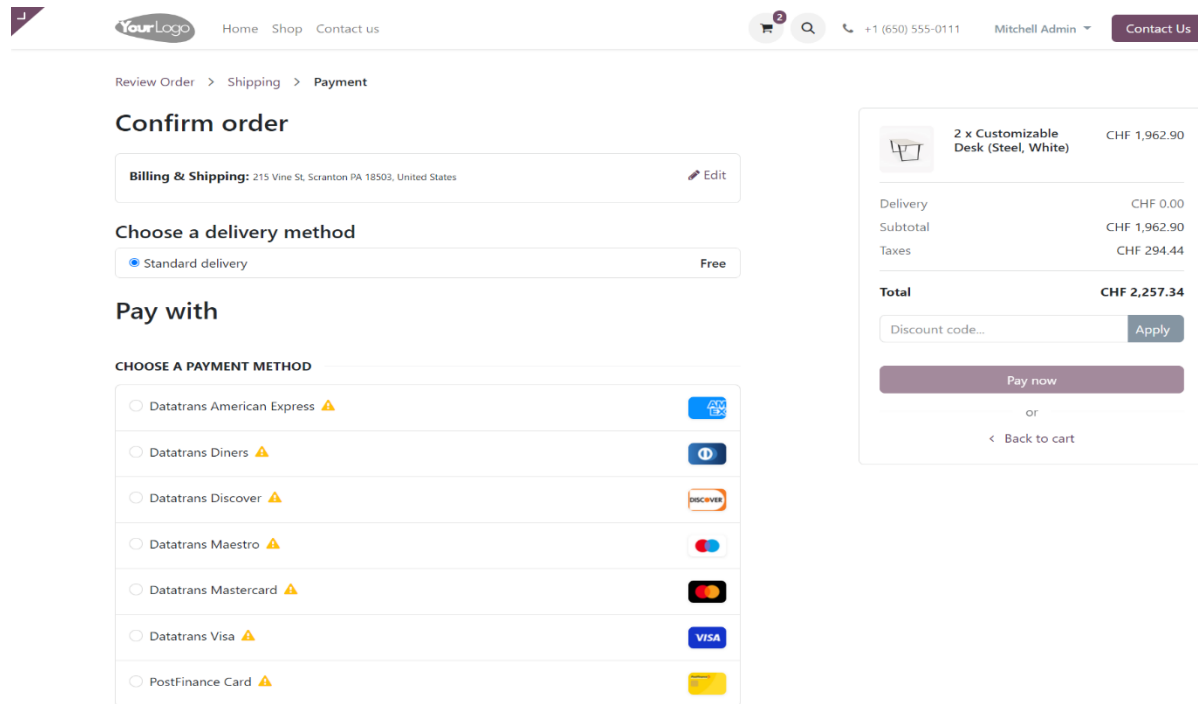
Screenshot 5: Datatrans Webadmin Tool – Logo Configuration



Screenshot 6: Payment Providers Listing.



Screenshot 7: Provider Detail Page.



Review Order > Shipping > **Payment**

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 


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

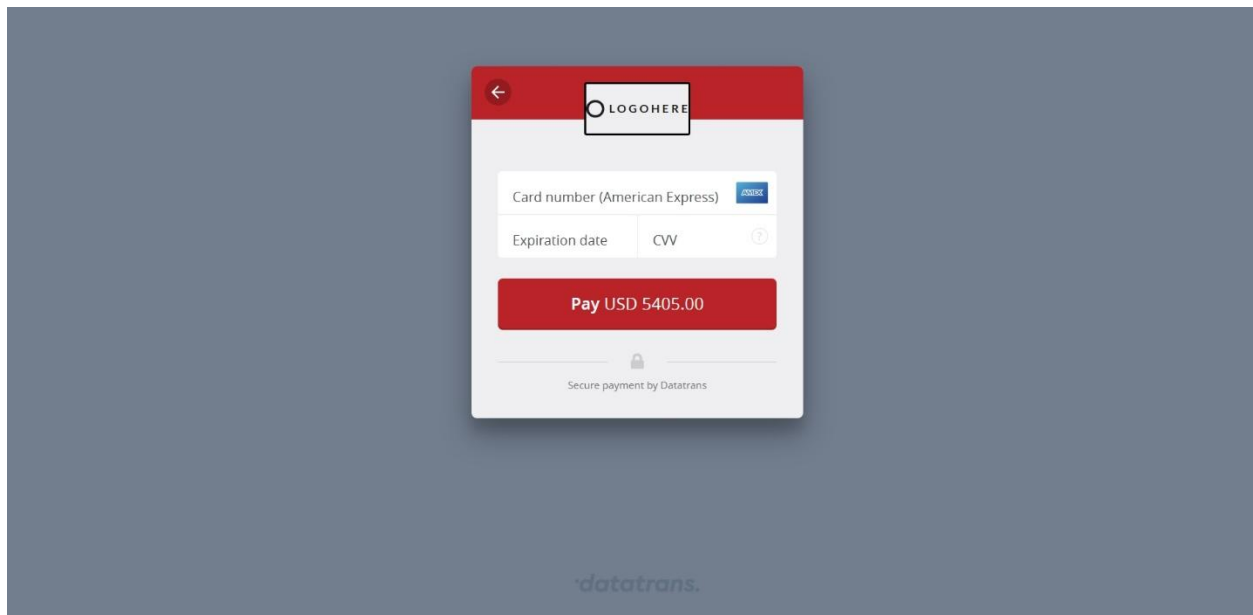
Discount code... [Apply](#)

[Pay now](#)

or


[Back to cart](#)


Screenshot 8: Ecommerce Pay Now Page.




[←](#)

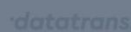
LOGO HERE

Card number (American Express) 

Expiration date CVV 


Pay USD 5405.00



 Secure payment by Datatrans



Screenshot 9: Datatrans Payment Detail Page.



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

[+1 555-555-5556](#) [Mitchell Admin](#) [Contact Us](#)

Thank you for your order.

Order S00048 

Payment Information

Datatrans Total: \$ 5,405.00

Your payment has been successfully processed.

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

Order summary

2 item(s) - \$ 5,405.00

Delivery	\$ 0.00
Subtotal	\$ 4,700.00
Taxes	\$ 705.00
Total	\$ 5,405.00

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About us

We are a team of passionate people whose goal is to improve everyone's life through disruptive products. We build great products to solve your business problems.


Our products are designed for small to medium size companies willing to optimize their performance.



Connect with us

-  [Contact us](#)
-  info@yourcompany.example.com
-  [+1 555-555-5556](tel:+1555-555-5556)



Screenshot 10: Payment Confirmed.

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

[+1 555-555-5556](#) [Mitchell Admin](#) [Contact Us](#)

Order S00049

Payment Information

Datatrans Total: \$ 13.80

Datatrans: Declined

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

Order summary

1 item(s) - \$ 13.80

Delivery	\$ 0.00
Subtotal	\$ 12.00
Taxes	\$ 1.80
Total	\$ 13.80

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About us

We are a team of passionate people whose goal is to improve everyone's life through disruptive products. We build great products to solve your business problems.

Our products are designed for small to medium size companies willing to optimize their performance.

Connect with us

-  [Contact us](#)
-  info@yourcompany.example.com
-  [+1 555-555-5556](tel:+1555-555-5556)



Screenshot 11: Payment Failed.



Invoicing Customers Vendors Reporting Configuration

New Credit Notes RINV/2025/00013 (Reversal of: INV/2025/00014) Sale Orders 1

1 / 13

Send Print Pay Preview Reset to Draft Draft Posted

Customer Credit Note
RINV/2025/00013

Customer YourCompany, Inc.
215 Vine St
Scranton PA 185
United States

Delivery Address ? YourCompany, Inc.

Invoice Lines Other Info

Product

[FURN_8220] Four Person Desk Four person modern office workstation	2.00	2,350.00	15%	\$ 4,700.00
[Delivery_007] Standard delivery Standard delivery	1.00	0.00	15%	\$ 0.00

Terms & Conditions: <http://pic4703.pitsolutions.com/8018/terms>

Untaxed Amount: \$ 4,700.00
Tax 150% \$ 705.00

Pay

Is Datatrans Refund ☒

Amount \$ 5,405.00

Create Payment Discard

Screenshot 12: Refund Payment

Invoicing Customers Vendors Reporting Configuration

Payment Providers / Datatrans

Payment Provider Logs

Search...

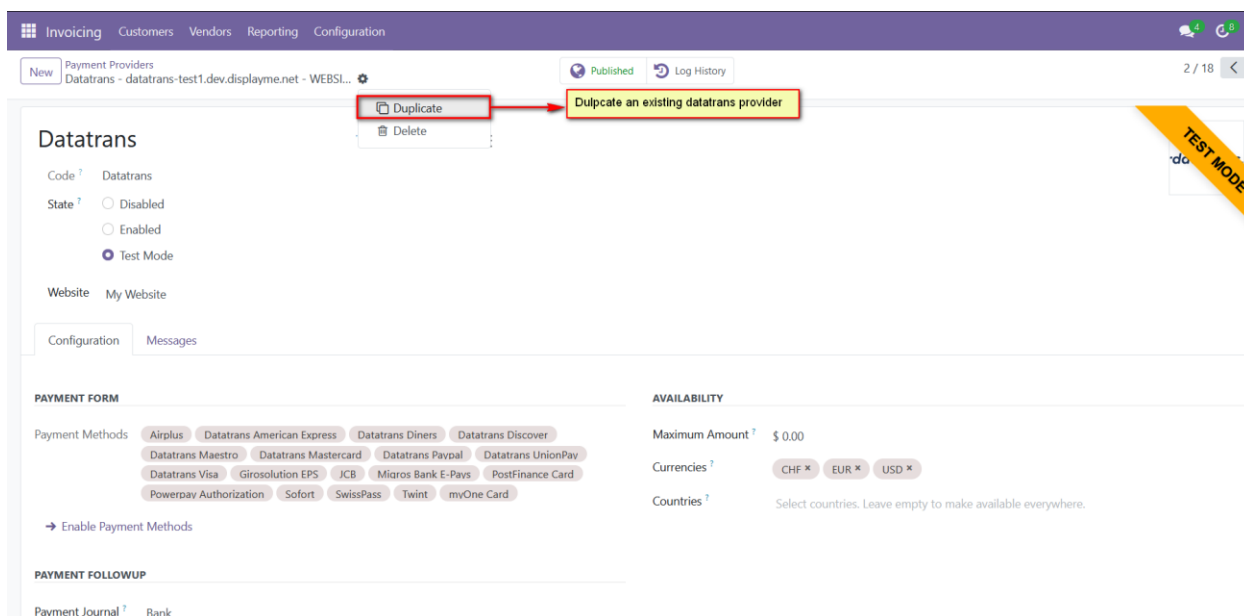
1-25 / 25

Date	Description	Status Code	Source
06/02/2025 16:50:02	Payment Transaction Processing Failed	500	E-commerce
06/02/2025 16:46:34	Payment Transaction Processed Successfully	200	E-commerce
05/30/2025 10:49:52	Payment Transaction Processed Successfully	200	E-commerce
05/30/2025 10:45:54	Payment Transaction Processed Successfully	200	E-commerce
05/30/2025 10:45:54	Payment Transaction Processed Successfully	200	E-commerce
05/30/2025 10:45:54	Payment Transaction Processed Successfully	200	E-commerce
05/30/2025 10:45:54	Payment Transaction Processed Successfully	200	E-commerce
05/29/2025 17:26:49	Payment Transaction Processed Successfully	200	E-commerce
05/23/2025 17:33:16	Payment Transaction Processed Successfully	200	E-commerce
05/23/2025 17:13:53	Payment Transaction Processed Successfully	200	E-commerce
05/23/2025 17:13:08	Payment Transaction Processing Failed	500	E-commerce
05/23/2025 17:11:12	Payment Transaction Processing Failed	500	E-commerce
05/23/2025 17:04:10	Payment Transaction Processed Successfully	200	E-commerce
05/23/2025 17:03:18	Payment Transaction Processing Failed	500	E-commerce
05/23/2025 16:58:00	Payment Transaction Processed Successfully	200	E-commerce

Screenshot 13: Datatrans Log History.

4. Datatrans Multi-website & Theme Backend configuration

For multi-website support, you must create separate Datatrans payment providers by duplicating the existing one. Each provider should be mapped to its respective website with the correct Datatrans credentials.



Screenshot 14: Multiple Datatrans payment Provider by duplicating the existing Datatrans payment Provider.

InvoicingCustomersVendorsReportingConfiguration

NewPayment ProvidersDatatrans (2)

PublishedLog History

1 / 18

Datatrans (2)

Code ? Datatrans

State ?

Disabled

Enabled

Test Mode

WebsiteMy Website 2

Assign a different website

ConfigurationMessages

PAYMENT FORM

Payment Methods

AirplusDatatrans American ExpressDatatrans DinersDatatrans DiscoverDatatrans MaestroDatatrans MastercardDatatrans PaypalDatatrans UnionPayDatatrans VisaGirosolution EPSJCBMiaros Bank E-PaysPostFinance CardPowerpay AuthorizationSofortSwissPassTwintmyOne 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 15: Map the respective website and add the Datatrans credentials.

The screenshot shows the 'Websites' management page in the Magento 2 Admin Panel. The table contains the following data:

	Website Name	Website Domain	Default Language	Theme
<input type="checkbox"/>	My Website	https://demo.wsf1.developers.net	English (US)	
<input type="checkbox"/>	My Website 3	https://demo.magento.org/2018	English (US)	
<input type="checkbox"/>	My Website 2		English (US)	

A red box highlights the domain 'https://demo.magento.org/2018' for 'My Website 3'. A red arrow points from this box to a yellow box labeled 'Map domains to websites'.

Screenshot 16: For multi-website functioning, it is necessary to set the domain for the websites.

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 1.1.0: October 2025
 - Feature enhancements.
 - Added an option to display the logo in the Datatrans payment interface.

- 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.