



User Manual

Datatrans Payment Provider Plugin for Odoo v17.0



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1. Introduction

The Datatrans Payment Provider Plugin integrates seamlessly into your Odoo Webshop as an additional payment module. As Switzerland's leading Payment Service Provider, Datatrans supports a broad spectrum of payment methods, including card payments, digital wallets, and other alternative methods. The plugin operates in redirect mode, directing customers to the Datatrans Payment Page, which offers access to all payment methods supported by the configured merchant through a single integration. This approach ensures fast, secure, and straightforward payments, ultimately leading to increased turnover.

2. Features

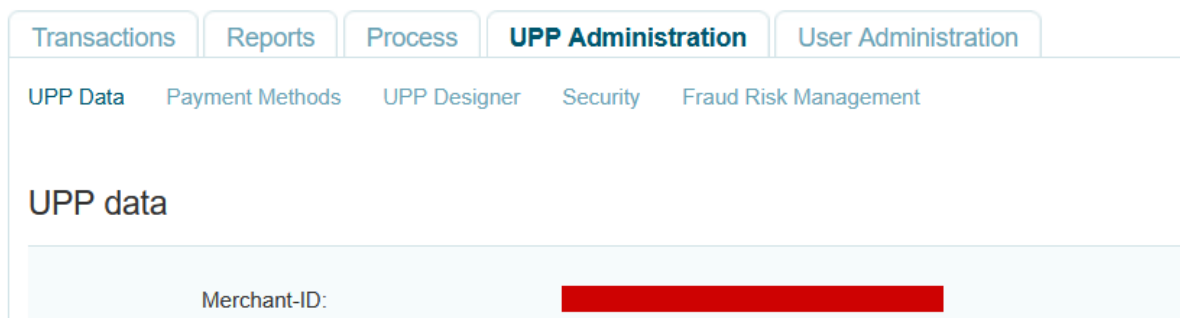
- **Basic Payment Transaction Workflow:** Handles standard payment transactions efficiently.
- **Payment Method-Specific Configurations:** Allows for customization based on different payment methods.
- **Customer Customization:** Provides options to tailor the payment experience to customer preferences.
- **Supported Payment Methods:** Includes major cards such as American Express, Diners Club, Discover, Mastercard, Visa, and PostFinance Card.
- **Easy Configuration:** Facilitates the addition of other payment methods supported by Datatrans.
- **Transparent Log History:** Maintains a clear and detailed record of all transactions.
- **Sale Order Payments:** Supports payment processing directly through sale orders.
- **Invoice Payments:** Enables payment for invoices.
- **Multi-Website Compatibility:** Functions across multiple websites, making it suitable for businesses with various online presences.

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.

·datatrans.



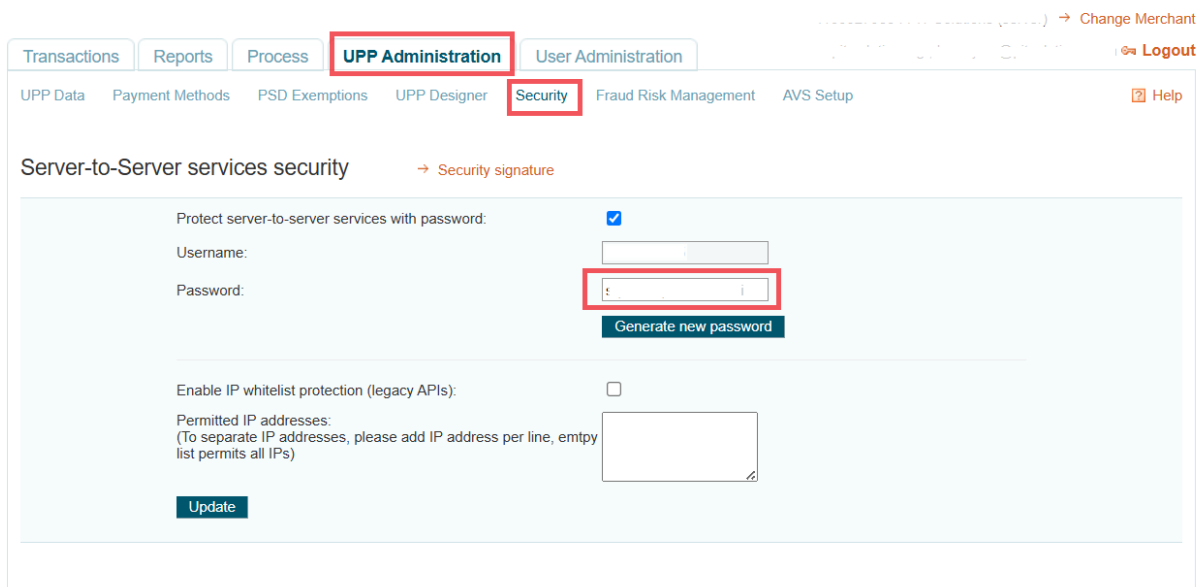
Screenshot 1: Datatrans Webadmin Tool - Merchant ID.

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.

datatrans[®]



Transactions Reports Process **UPP Administration** User Administration

UPP Data Payment Methods PSD Exemptions UPP Designer **Security** Fraud Risk Management AVS Setup Help

Server-to-Server services security → Security signature

Protect server-to-server services with password: ☒

Username:

Password:

Enable IP whitelist protection (legacy APIs): ☐

Permitted IP addresses:
(To separate IP addresses, please add IP address per line, empty list permits all IPs)

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.

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](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](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 = [REDACTED]

☒ 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 form:
 Signed are parameters aliasCC (optional), MerchantId, Amount, Currency and Reference nu
 Use the aliasCC value **noAlias** if the authorisation message must not use aliasCC.
 Your HMAC key (in hexadecimal format):
[REDACTED]

☐ 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 3: Datatrans Webadmin Tool - Security Signature.

After collecting the required credentials from the Datatrans Backoffice, configure the payment provider settings in Odoo as follows:

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.

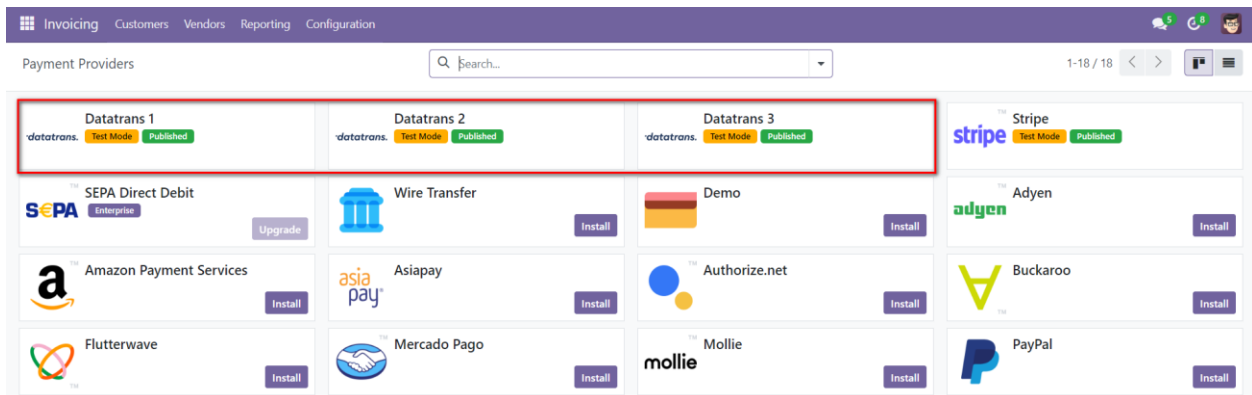
Once these details are entered into the Odoo backend provider configuration, save the settings to complete the integration.



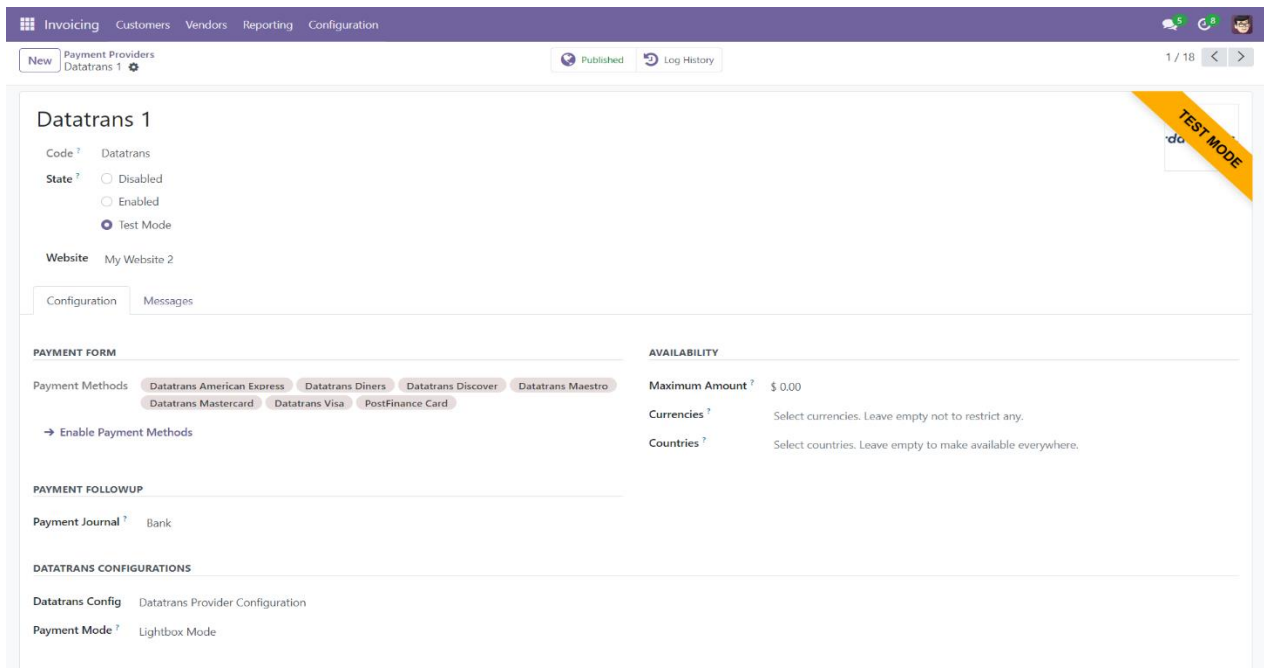
The screenshot shows the 'Datatrans Provider Configuration' form in the Odoo backend. The form is titled 'Datatrans Provider Configuration' and has a 'New' button. The form contains the following fields:

- Datatrans Test URL: <https://pay.sandbox.datatrans.com>
- Datatrans API Test URL: <https://api.sandbox.datatrans.com>
- Merchant ID: 1
- API Password: [Redacted]
- Enable Dynamic Signature: ☒
- Sign: [Redacted]
- Password: [Redacted]
- Language: English


Screenshot 4: Datatrans Provider Configuration: Enable Dynamic Signature.





Screenshot 5: Payment Providers Listing.



Screenshot 6: Provider Detail Page.


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



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

[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


or


[Back to cart](#)


Screenshot 7: Ecommerce Pay Now Page.












Secure payment by Datatrans



Screenshot 8: 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 9: 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 10: Payment Failed.

Invoicing

Customers

Vendors

Reporting

Configuration

5

8

Datatrans Provider Configuration

Datatrans Log History

Q

Search...

1-80 / 137

<

>

<input type="checkbox"/> Created on	Result	Description	Origin	Payment Method
<input type="checkbox"/> 08/20/2024 17:40:41	Cancel	S00121-1	datatrans	Datatrans American Express
<input type="checkbox"/> 08/09/2024 13:00:27	Cancel	S00121	datatrans	Datatrans American Express
<input type="checkbox"/> 08/09/2024 12:37:21	Success	S00120	datatrans	Datatrans Visa
<input type="checkbox"/> 08/09/2024 11:58:47	Success	INV/2024/00025	datatrans	Datatrans Diners
<input type="checkbox"/> 08/09/2024 11:57:57	Success	S00119	datatrans	Datatrans Visa
<input type="checkbox"/> 08/09/2024 11:57:52	Success	INV/2024/00024	datatrans	Datatrans American Express
<input type="checkbox"/> 08/09/2024 11:57:13	Success	S00118	datatrans	Datatrans Visa
<input type="checkbox"/> 08/09/2024 11:37:34	Success	S00116	datatrans	Datatrans American Express
<input type="checkbox"/> 08/09/2024 11:26:38	Success	S00115	datatrans	Datatrans Visa
<input type="checkbox"/> 08/09/2024 11:23:58	Success	S00114	datatrans	Datatrans Visa

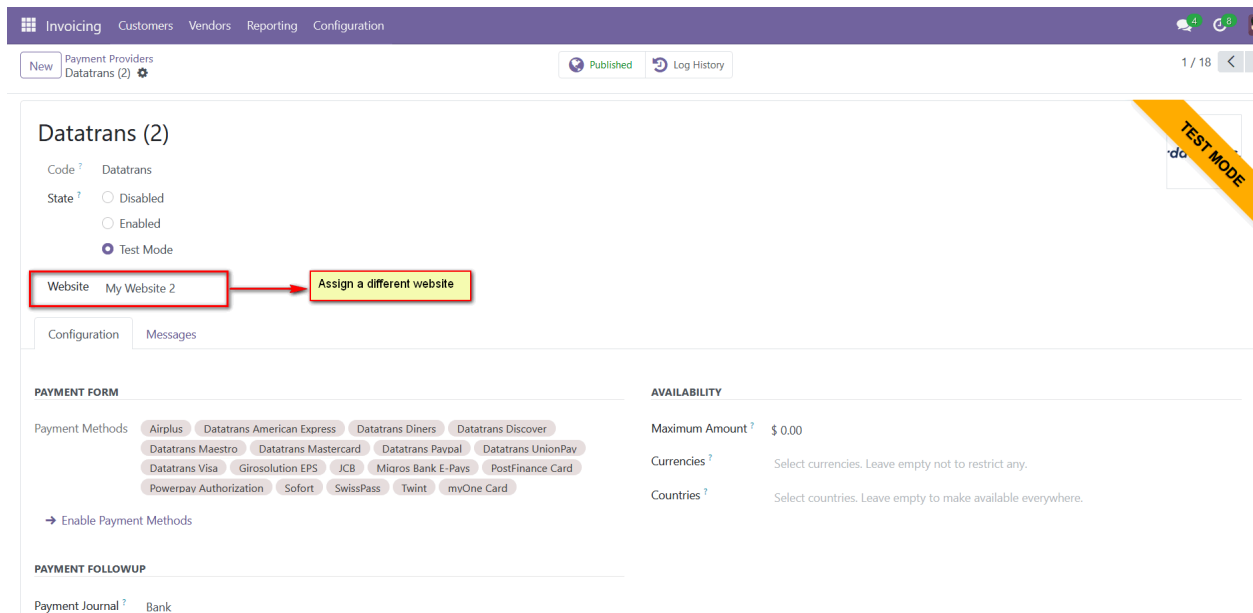
Screenshot 11: Datatrans Log History.

4. Datatrans Multi-website Backend Configuration

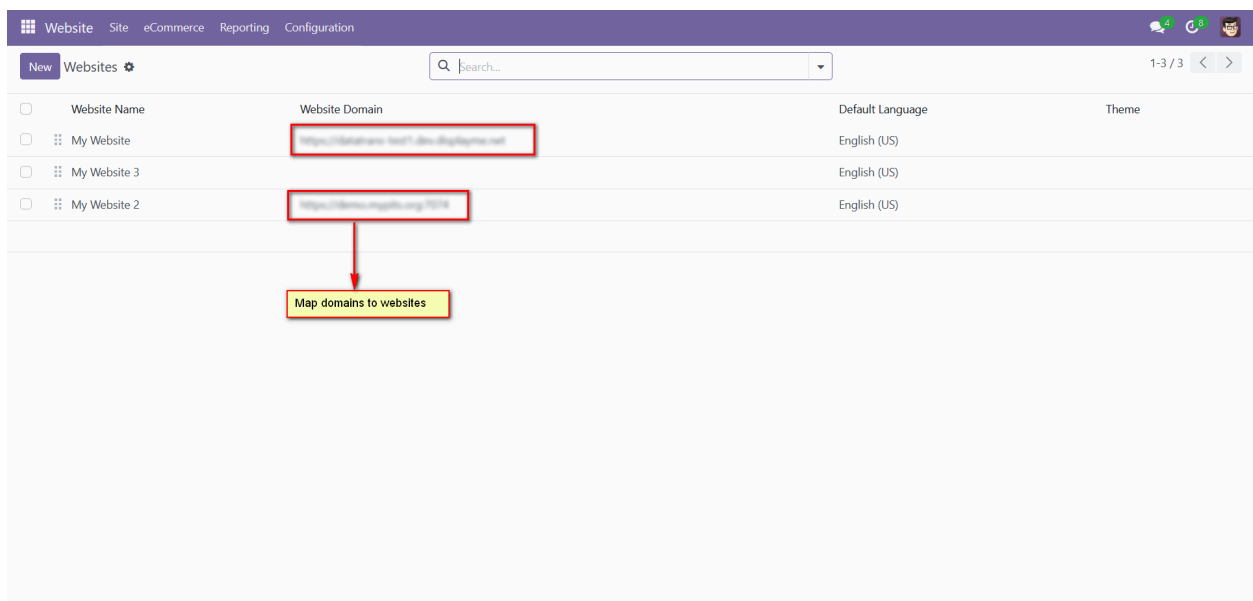
For multi-website support, you must create separate Datatrans payment providers by duplicating the existing one. Each provider should be mapped to its respective website with the correct Datatrans credentials

Invoicing Customers Vendors Reporting Configuration				
New Payment Providers		Published Log History		2 / 18
Datatrans - datatrans-test1.dev.displayme.net - WEBSL...				
<div> <div>Duplicate</div> <div>Delete</div> </div>		<div>Duplicate an existing datatrans provider</div>		
<div> <div>Datatrans</div> <div> <div>Code ?</div> <div>Datatrans</div> </div> <div> <div>State ?</div> <div> <input type="radio"/> Disabled <input type="radio"/> Enabled <input checked="" type="radio"/> Test Mode </div> </div> <div> <div>Website</div> <div>My Website</div> </div> <div> <div>Configuration</div> <div>Messages</div> </div> </div>				
<div>PAYMENT FORM</div> <div> <div>Payment Methods</div> <div> <div>Airplus</div> <div>Datatrans American Express</div> <div>Datatrans Diners</div> <div>Datatrans Discover</div> <div>Datatrans Maestro</div> <div>Datatrans Mastercard</div> <div>Datatrans Paypal</div> <div>Datatrans UnionPay</div> <div>Datatrans Visa</div> <div>Girosolution EPS</div> <div>JCB</div> <div>Micoros Bank E-Pays</div> <div>PostFinance Card</div> <div>Powerpay Authorization</div> <div>Sofort</div> <div>SwissPass</div> <div>Twint</div> <div>myOne Card</div> </div> <div> <div>→ Enable Payment Methods</div> </div> </div>		<div> <div>AVAILABILITY</div> <div> <div>Maximum Amount ?</div> <div>\$ 0.00</div> </div> <div> <div>Currencies ?</div> <div> <div>CHF ×</div> <div>EUR ×</div> <div>USD ×</div> </div> </div> <div> <div>Countries ?</div> <div>Select countries. Leave empty to make available everywhere.</div> </div> </div>		
<div>PAYMENT FOLLOWUP</div> <div> <div>Payment Journal ?</div> <div>Bank</div> </div>				

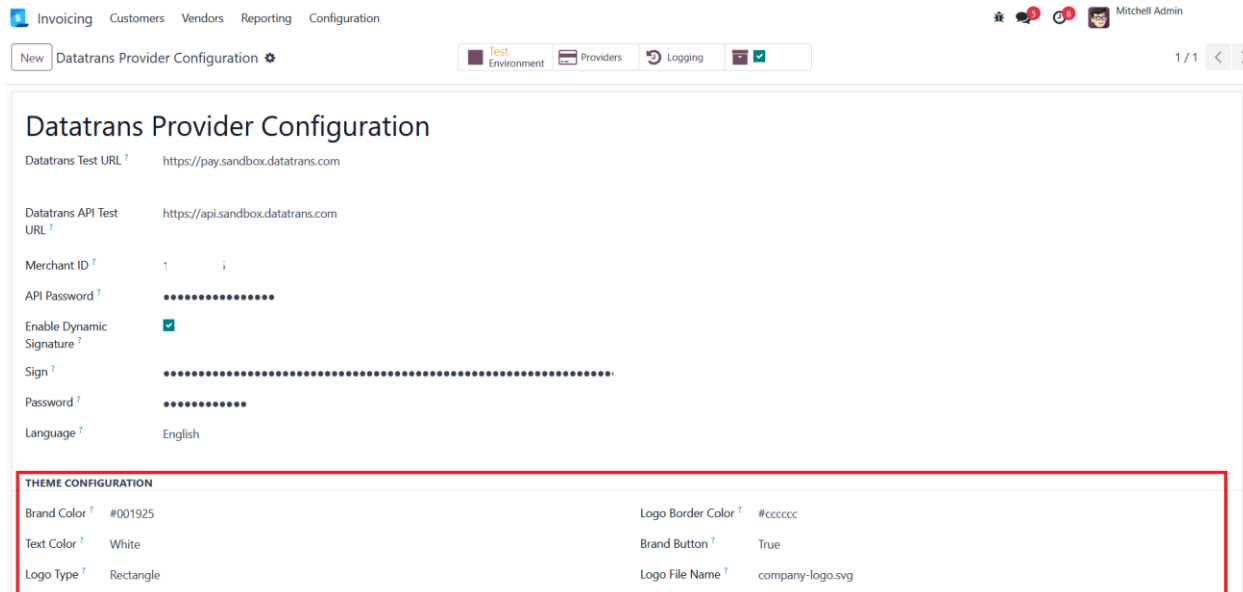
Screenshot 12: Multiple Datatrans payment Provider by duplicating the existing Datatrans payment Provider.



Screenshot 13: Map the respective website and add the Datatrans credentials.



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



Datatrans Provider Configuration

Datatrans Test URL ?

Datatrans API Test URL ?

Merchant ID ?

API Password ?

Enable Dynamic Signature ? ☒

Sign ?

Password ?

Language ?

THEME CONFIGURATION

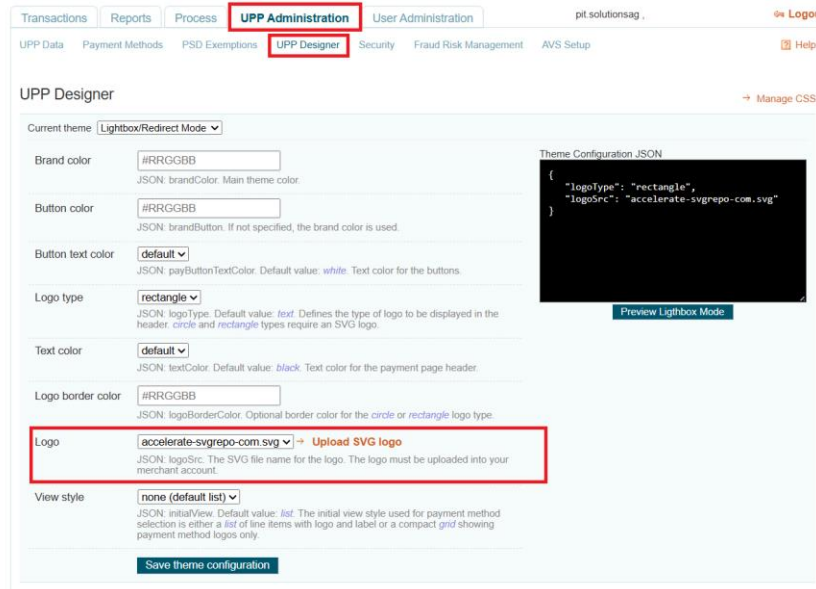
Brand Color ?	<input type="text" value="#001925"/>	Logo Border Color ?	<input type="text" value="#cccccc"/>
Text Color ?	<input type="text" value="White"/>	Brand Button ?	<input type="text" value="True"/>
Logo Type ?	<input type="text" value="Rectangle"/>	Logo File Name ?	<input type="text" value="company-logo.svg"/>

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.



The screenshot shows the 'UPP Designer' interface in the Datatrans back office. The 'UPP Administration' tab is selected. The 'UPP Designer' section is active, showing various configuration options. The 'Logo' field is highlighted with a red box, showing the value 'accelerate-svgrepo-com.svg' and an 'Upload SVG logo' button. The 'Theme Configuration JSON' field is also visible, showing a JSON object with 'logoType' and 'logoSrc' properties.

Screenshot 16: Logo configuration in Datatrans back office

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, API Password, Login 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.

Steps:

1. Datatrans Configuration:

- Access the Odoo backend and configure the Datatrans Provider with your Merchant ID, API Password, Login 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, API Password, Login Password, 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. Multi-Website Configuration:

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

9. Map and Configure Multiple Websites:

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

10. 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 and Enterprise Edition: v17.0

7. Datatrans Payment Page Supported Languages:

- German, English, French, Italian, Spanish, Greek, Norwegian, Danish, Polish, Portuguese.

8. Changes Log / Release Notes

Version 1.3.0: June 2025

- Improved configuration options for the Datatrans payment page appearance.

Version 1.2.0: April 2025

- Improved transaction status update handling for better accuracy and synchronization.

Version 1.1.0: August 2024

- Added support for multi-website compatibility in Odoo.

Version 1.0.0: April 2022

- Initial version.

9. Support

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