Implementation Guide

DATATRANS Payment Acquirer Plugin

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1.0 Introduction

The datatrans payment acquirer plugin is easy to install and fits neatly into the odoo webshop as an additional payment module. Datatrans is the leading Swiss Payment Service Provider which supports a wide range of payment methods under card payment method, digital wallets and other alternative payment methods. This plugin works in redirect mode, where the customer will be redirected to the Datatrans Payment Page that gives access to all payment methods supported by the configured merchant with just a single integration. The advantage is fast, secure and simple payments eventually leads to higher turnover.

1.1 Features

Version: 12.0, 13.0 14.0 & 15.0:

- Covers the basic payment transaction workflow

- Customizable Datatrans Payment Page

- Payment method specific configurations

- Customer customization

- Support payment methods such as American Express, Diners, China Union Pay, Discover, Mastercard, Airplus, Visa, Giro Solutions, Paypal, Postfinance Card, Powerpay Authorization, Swisspass

- Easy configuration of other payment methods supported by datatrans

- Transparent Log History

- Covers sale order payments

- Covers invoice payments

1.2 Screenshots

Screenshot 1: Datatrans Webadmin Tool - Merchant ID

Screenshot 2: Datatrans Webadmin Tool - Password

Screenshot 3: Datatrans Webadmin Tool - security signature

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 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):

▬▬▬▬▬▬▬▬▬▬▬▬

☐ 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 4: Datatrans Acquirer Configuration: Enable Dynamic Signature

Screenshot 5: Payment Acquirer Listing

Screenshot 6: Acquirer Detail Page

Screenshot 7: Ecommerce Pay Now Page

Screenshot 8: Datatrans Payment Page

Screenshot 9: Datatrans Payment Detail Page
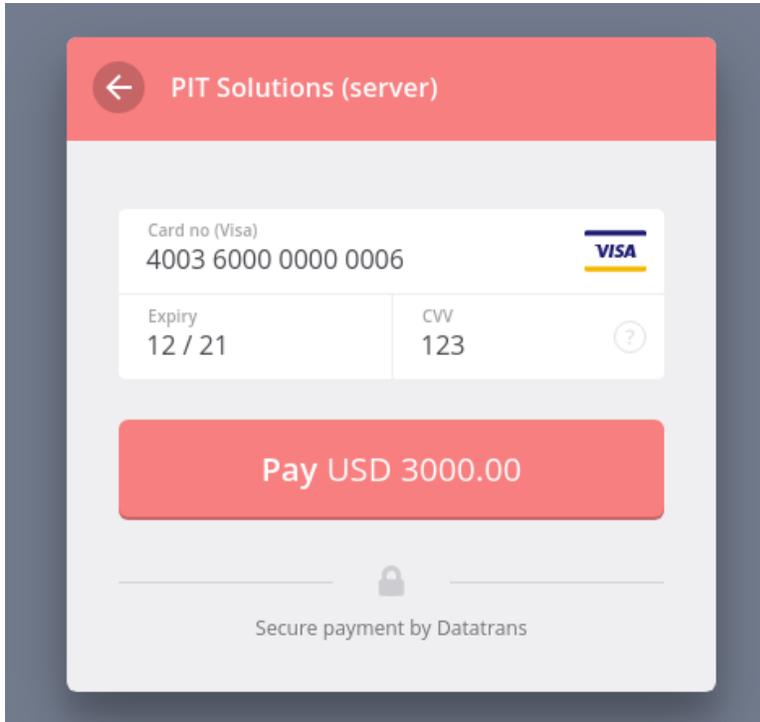
Screenshot 10: Payment Confirmed

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 11: Payment Failed

Order *S00064*

Payment Information:

Datatrans	**Total:** **$ 1,500.00**

Datatrans: Declined - card blocked ✏️

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

Screenshot 12: Datatrans Log History

Datatrans Log History

Search... 🔍

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	Created on	Result	Description	Origin	Payment Method
☐	01/29/2021 19:48:31	Success	S00039-2	datatrans	VISA
☐	01/29/2021 19:47:49	Success	S00039-1	datatrans	VISA
☐	01/29/2021 19:37:54	Success	S00062-2	datatrans	VISA
☐	01/29/2021 19:35:30	Success	S00062-1	datatrans	VISA
☐	01/29/2021 19:31:09	Success	S00061-1	datatrans	VISA
☐	01/29/2021 19:28:23	Success	S00040-1	datatrans	VISA
☐	01/29/2021 19:26:10	Success	S00048-2	datatrans	VISA
☐	01/29/2021 19:25:08	Success	S00048-1	datatrans	VISA
☐	01/29/2021 19:23:32	Success	S00060-1	datatrans	VISA
☐	01/29/2021 19:22:26	Success	S00059-1	datatrans	VISA
☐	01/29/2021 19:20:12	Success	S00058-2	datatrans	VISA
☐	01/29/2021 19:19:32	Error	S00058-1	datatrans	MasterCard
☐	01/29/2021 19:18:43	Error	S00057-2	datatrans	MasterCard
☐	01/29/2021 19:09:38	Error	S00057-1	datatrans	MasterCard
☐	01/29/2021 18:18:09	Success	S00056-1	datatrans	UnionPay
☐	01/29/2021 18:15:06	Success	S00055-2	datatrans	PayPal
☐	01/29/2021 18:10:00	Error	S00055-1	datatrans	American Express

1.3 Brief description

For smooth working of this plugin there are few configurations which are to be done in the backend. Setting up datatrans acquirer configuration is the initial step where the merchant Id, password and dynamic sign of your datatrans web administration tool must be provided. Once the configuration is set there are two payment acquirers available by default, one is Datatrans - Credit Cards which supports credit card payment methods like Visa, Mastercard, American Express, Diners, Discover etc and the other is Datatrans which is

mapped to other alternative payment methods like debit cards and digital wallets. Activate any of them and continue shopping. The payment acquirer will be listed in the shop payment page. Choose the datatrans payment acquirer and pay from the datatrans payment page and get back to the odoo webshop.

1.3.1 Initial step-by-step description

Prerequisites: Before integrating the Datatrans payment acquirer plugin make sure that you have an datatrans web administration tool - The interface with which you can Easily verify and process transactions. Merchant Id and Sign are the details we need from the webadmin tool for odoo backend configuration.

1. Step 1 - Datatrans Configuration and Acquirer configuration
2. Step 2 - Activate/Publish/Enable Datatrans Payment Acquirer
3. Step 3 - Go to Ecommerce website -> Add products to cart -> Proceed to checkout
4. Step 4 - Choose datatrans payment method and Pay now
5. Step 5 - Complete the transaction by filling out necessary details in Datatrans Payment Page
6. Step 6 - Order is placed on successful payment transaction

1.4 Technical Requirements / Compatible With:

Technical Requirements: Odoo Sales, Payment, Contact and Website Module

Compatible with ODOO version 12, 13 14 and 15

1.5 Datatrans Payment Page Supported Languages:

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

Release Note

Datatrans acquirer plugin for version 12, 13 14 and 15