

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

·datatrans.

Transactions	Reports	Process	P Administration	User Administration
UPP Data Pay	ment Methods	UPP Designer	Security Fraud Ri	sk Management
UPP data				
	Merchant-ID:			

Screenshot 2: Datatrans Webadmin Tool - Password

Transactions	ransactions Reports Process UPP Administration		User Administration	
UPP Data Pay	ment Methods	UPP Desi	gner Security Fraud Ris	sk Management
Server-to-Se	erver serv	ices secu	rity → Security sign	nature
	Protect s	server-to-serve	r services with password:	
	Usernan	ne:		
	Passwor	d:		
				Generate new password



Screenshot 3: Datatrans Webadmin Tool - security signature

Transact	tions Repor	ts Process	UPP Administration	User Administration	
JPP Data	Payment Met	hods PSD Exem	ptions UPP Designer	Security Fraud Risk Ma	anagement
Securi	ty signature	erverent → Serve	er-to-Server services securit	У	
lf you a	re using our JSOI	N APIs, only use this	s page for Webhook signing	(sign).	
→ http:	s://docs.datatrans	ch/docs/additional-	security		
If you a	re not yet using o	ur JSON APIs, you	are required to implement or	ne of the measures which ar	e described here to
→ http:	s://docs.datatrans	.ch/v1.0.1/docs/sec	urity-validation		
0	No additional :	security element will	be send with payment mes	sages	
0	An additional M	Aerchant-IDentificat The parameter s sign =	ion will be send with paymer sign with following value mu	nt messages st be sent with every author	sation message
۲	Important para	meters will be digita The parameter s It contains a dig Signed are para Use the aliasCC Your HMAC key	ally signed (HMAC-SHA256) sign must be sent with every ital signature (an encrypted imeters aliasCC (optional), h 2 value noAlias if the author (in hexadecimal format):	and sent with payment mes v authorisation message. HashCode HMAC-SHA256 i MerchantId, Amount, Currence isation message must not us	sages n hexadecimal form y and Reference nu e aliasCC.
		Use another key	y for sign2 generation		
	Apply sign sett Server service	ings for the followin s security")	g APIs: settlement, credit, ca	ancel (deprecated, please us	e "Server-to-



		Environment	Acquirers	Logging	a •
Datatrans / Configurat	Acquirer				
MerchantID Enable Dynamic Signature Sign Password Language	■ English				
Theme Configu Brand Color	aration arritin	Logo Border Color	Receese		
Text Color Logo Type	None	Brand Button Image	True		
Description					

Screenshot 4: Datatrans Acquirer Configuration: Enable Dynamic Signature

Screenshot 5: Payment Acquirer Listing

Datatrans - Credit Cards	Datatrans vdatatrans.
Boatatrans is the leading Swiss Payment Service Provider which supports wide range of payment	Datatrans is the leading Swiss Payment Service Provider which supports wide range of payment
methods under card payment method, digital wallets and other alternative payment methods	methods under card payment method, digital wallets and other alternative payment methods
Ecubled	Emaked



Screenshot 6: Acquirer Detail Page

			Log History
Datatrans -	Credit Cards		AMERICAN SERVICE
State Website	Enabled		
Credentials Configu	uration Messages		
Payment Form		Availability	
Displayed as Supported Payment Icons	(VISA) (American Express) (Diners Club International) (Discover) (MasterCard) (UnionPay) (myOne Card)	Countries	
Payment Follow	лир		
Payment Journal	datatrans-cc		
Datatrans Confi	gurations		
Datatrans Config	Datatrans Acquirer Configuration		
Payment Mode	Redirect Mode		



Screenshot 7: Ecommerce Pay Now Page

Pay with

O Wire Transfer	
Obstatrans - Credit Cards	nPay MIN
O Datatrans ✓ISA Image: December of the second	UATP
< Return to Cart	Pay Now >

Screenshot 8: Datatrans Payment Page

PIT Solutions (server)						
Choose	e your payment method 🔢 📰 🖽					
VISA	Visa					
	Mastercard American Express					
0	Diners Club					
DISCOVER	Discover					
	Secure payment by Datatrans					



Screenshot 9: Datatrans Payment Detail Page

Card no (Visa) VISA 4003 6000 0000 0006 VISA Expiry CVV 12 / 21 123								
Expiry 12/21 CW 123 ?								
Pay USD 3000.00								

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							Q
*			▼ Filters	≣⊙	Broup By	★ Favorite:	3	1-44 / 44	<	>
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			
01/20/2021 18:10:00	Error	\$00055-1			datatrane		American Evorese			

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