
Odoo Checkout.com Documentation

Release master

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- Payment Acquirer: Checkout.com Implementation
- Installation & Configuration
- Demo

Current content:

1.1 Odoo eCommerce

Odoo embeds several payment methods to get paid on eCommerce, Sales and Invoicing apps.

1.1.1 Payment acquirers

- Redirect the customers to payment platforms to collect money effortless and track the payment status (call-back).
- Call back with payment status
- Store card to quickly pay next orders
- Authorize the payment capture

Odoo supports more and more platforms over time:

- Paypal
- Ingenico
- Authorize.net
- Adyen
- Buckaroo
- PayUmoney
- Sips
- Stripe

1.1.2 Transaction management

Odoo confirms orders automatically as soon as the payment is authorized by a payment acquirer.

- **Draft:** transaction under processing.
- **Pending:** the payment acquirer keeps the transaction on hold and you need to authorize it from the acquirer interface.
- **Authorized:** the payment has been authorized but not yet captured.
- **Done:** the payment is authorized and captured. The order has been confirmed.
- **Error:** an error has occurred during the transaction. The customer needs to retry the payment. The order is still in draft.
- **Cancelled:** when the customer cancels the payment in the payment acquirer form. They are taken back to Odoo in order to modify the order.

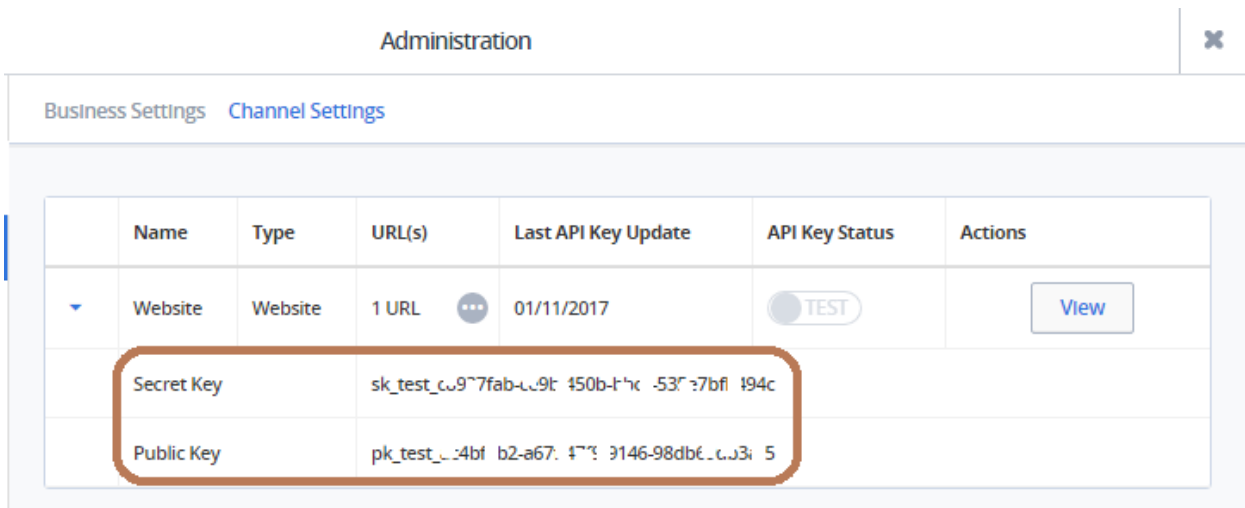
The steps to do this are detailed here: https://www.odoo.com/documentation/user/11.0/ecommerce/shopper_experience/payment_acquirer.html

1.2 Checkout.com

- A streamlined payment solution
- Checkout.com's end-to-end payment technology eliminates intermediaries, while data-rich insights track performance and drive approvals.
- Checkout.com offers two browser-based payment solutions that are suitable for non-PCI compliant merchants, Frames and Checkout.js.

1.2.1 Setting Up a Test Merchant Account

- You have to create Sandbox account in checkout.com as a sandbox user.
- To obtain the publicKey, kindly log in to the dashboard.
- Go to settings (gear icon of the top right corner), from there you should go to channel settings.
- You should find the keys at this point.



The screenshot shows the 'Administration' dashboard for Checkout.com. The 'Channel Settings' tab is active. A table lists the API key details for a 'Website' channel. The 'Secret Key' and 'Public Key' are highlighted with a red box.

Name	Type	URL(s)	Last API Key Update	API Key Status	Actions
Website	Website	1 URL	01/11/2017	TEST	View
Secret Key		sk_test_cw977fab-cc9t 450b-t-hc -53f-z7bf 194c			
Public Key		pk_test_-4bf b2-a67: 4~? 3146-98db6-cc3i 5			

1.2.2 Checkout.js

1.2.3 Create Card Token

The Checkout.js solution will allow to create a card token, and then charge the customer from the server using the generated card token.

The steps to do this are detailed here: <https://docs.checkout.com/getting-started/checkout-js/charge-via-card-token>

Charge with card token API call: <https://docs.checkout.com/reference/merchant-api-reference/charges/charge-with-card-token>

The card token obtained in the cardTokenised event is a single-use token and no charge will be created until you do a charge with card token from the server's backend using merchant API. Also, note that the real value you want to charge customers needs to originate from the backend and not from the configuration of the JS. The value inside the JS is only used for display purposes inside the lightbox.

Here is a sample code you can use to build on for the frontend configuration of Checkout.js :

Code:

```
<form class="payment-form" method="POST" action="https://merchant.com/successUrl">
<script>
  window.CKOConfig = {
    publicKey: 'pk_test_6ff46046-30af-41d9-bf58-929022d2cd14',
    customerEmail: 'user@email.com',
    value: 100,
    currency: 'GBP',
    cardFormMode: 'cardTokenisation',
    paymentMode: 'cards',
    cardTokenised: function(event) {
      console.log(event.data.cardToken);
      document.getElementsByClassName('payment-form')[0].submit();
    },
  };
</script>
<script async src="https://cdn.checkout.com/sandbox/js/checkout.js"></script>
</form>
```

And here's a link to the <https://docs.checkout.com/reference/checkout-js-reference/configuration-options> reference if you wish to customise it further.

1.2.4 Charge with Card Token

We Use the card token obtained in the cardTokenised event to make a charge with card token from the odoo server.

- Create checkout charge

Code:

```
headers = {'content-type': 'application/json',
  'Authorization': 'sk_test_55aedccc-7f53-4ccc-b0a6-d943decc3c31'}

post_url = 'https://sandbox.checkout.com/api2/v2/charges/token'

charge_params = {
  "autoCapTime": "0",
  "autoCapture": "Y",
  "chargeMode": 1,
```

```

"email": "testuser@email.com",
"customerName": "Test User",
"description": "charge description",
"value": "4298",
"currency": "GBP",
"trackId": "TRK12345",
"cardToken": "card_tok_CB9C10E3-24CC-4A82-B50A-4DEFDCB15580"
}

response = requests.post(post_url, data=json.dumps(charge_params), headers=headers)

```

The Card Token received in the cardTokenised event, should be passed to odoo server and do the POST request from odoo server.

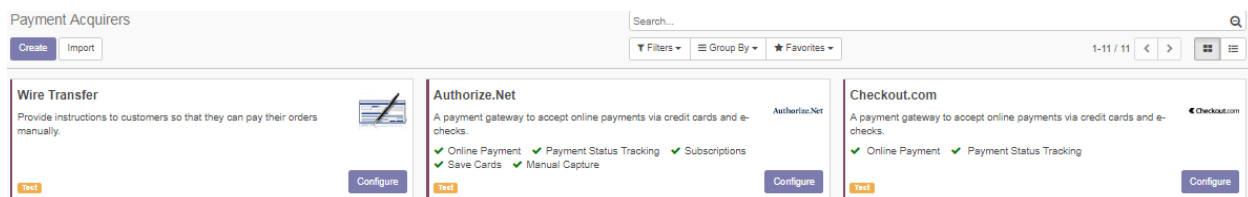
Once the Charge with Card Token request has been sent, Checkout.com will return the charge response to the merchant backend server.

1.3 Configuration

To install this module, just you need to install following module: payment_checkout

After install the module

- Go to Website Admin > Configuration > Settings :

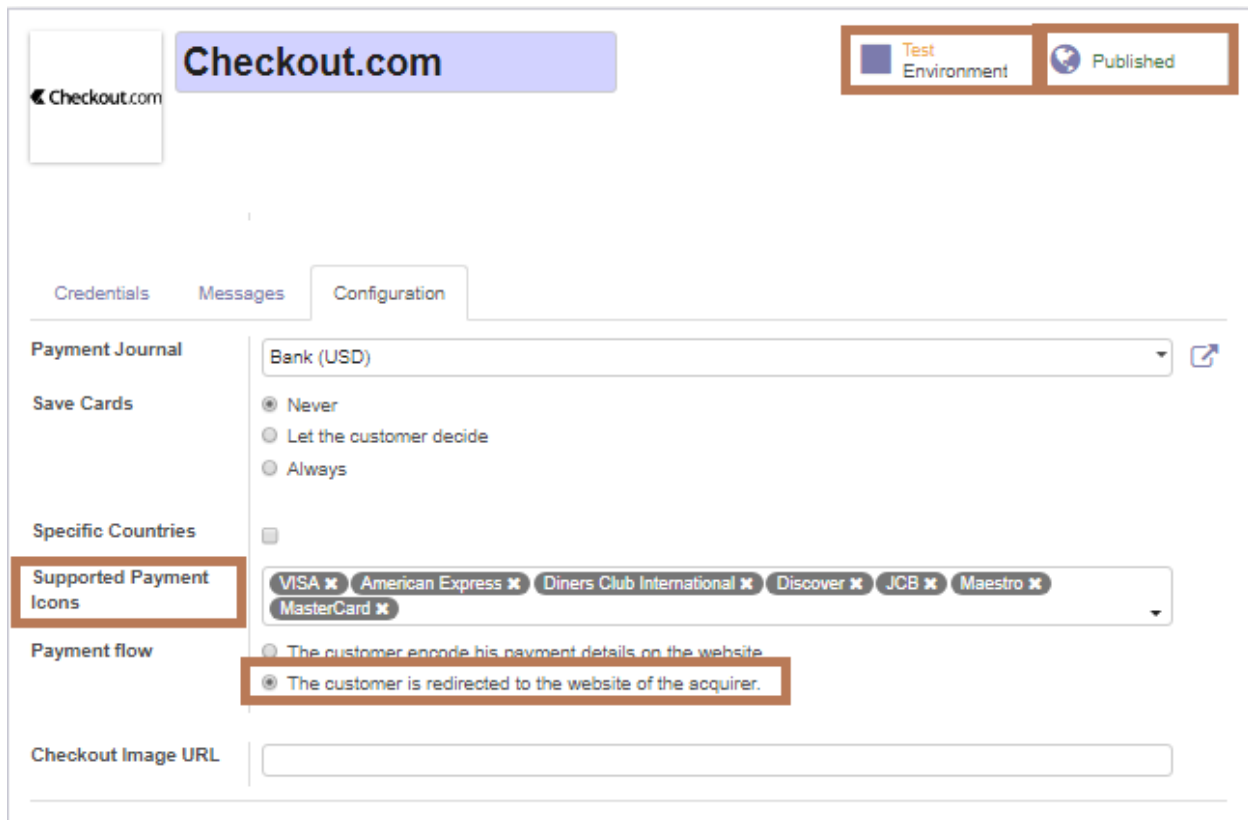


- Add your API Access Key :



- Configuration :

Test environment



Checkout.com

Test Environment Published

Credentials Messages **Configuration**

Payment Journal Bank (USD) [icon]

Save Cards ☒ Never ☐ Let the customer decide ☐ Always

Specific Countries ☐

Supported Payment Icons VISA x American Express x Diners Club International x Discover x JCB x Maestro x MasterCard x

Payment flow ☐ The customer encode his payment details on the website ☒ The customer is redirected to the website of the acquirer.

Checkout Image URL


Once the payment method ready, make it visible in the payment interface and activate the Production mode.

1.3.1 Shop

- Choose checkout.com




Review Order
Billing & Shipping
Payment
Confirmation

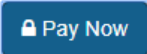
Confirm Order

Product	Quantity	Price
 iPad Mini Color: White Capacity: 16GB Connectivity: Wifi Beautiful 7.9-inch display Over 375,000 apps Ultrafast wireless iOS7	2.0	\$ 489.25
Subtotal:		\$ 978.50
Taxes:		\$ 0.00
Total:		\$ 978.50

Pay with

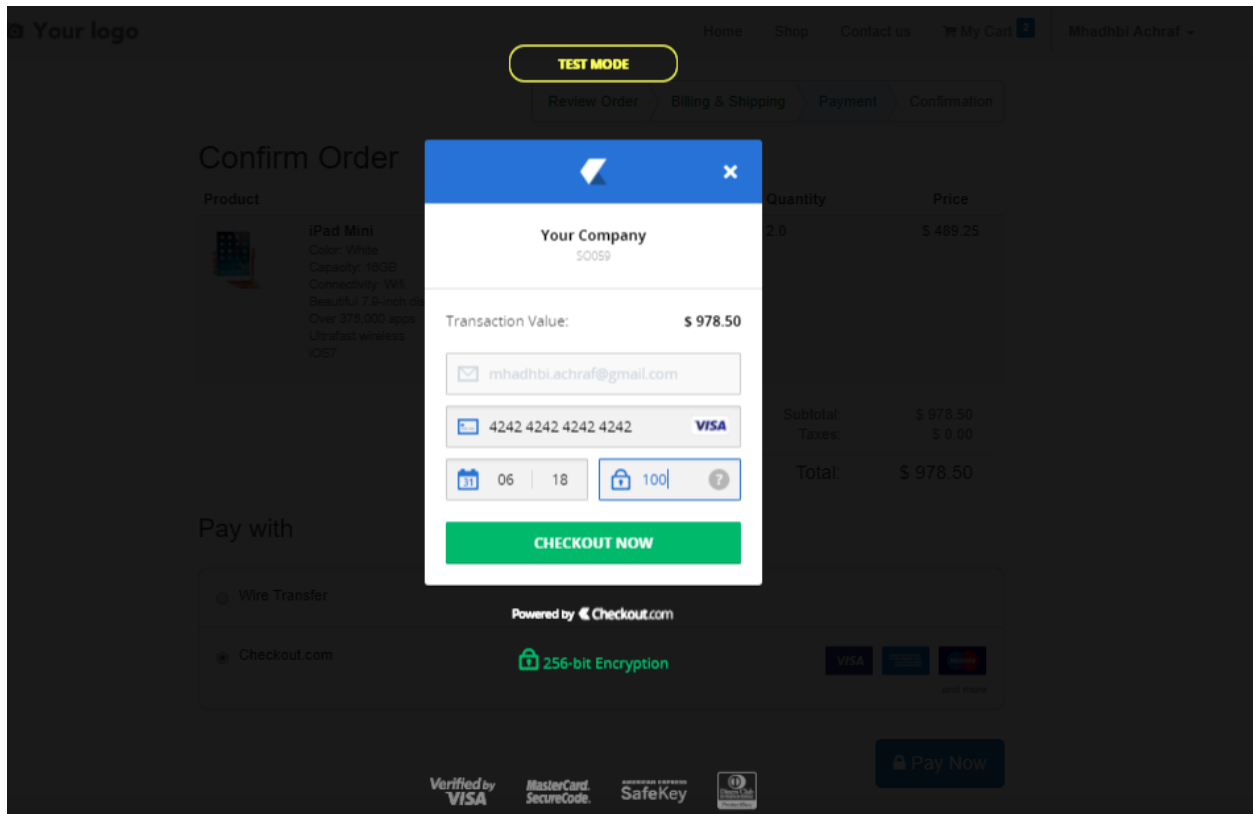
☐ Wire Transfer
 ☒ Checkout.com




 and more



- Test card validity

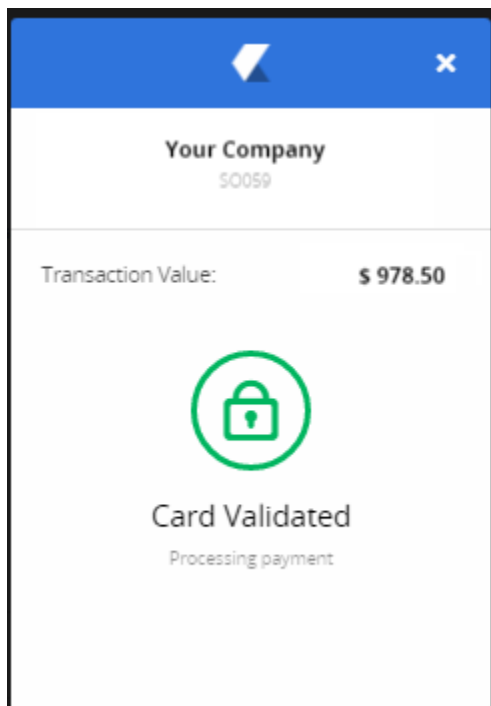
Enter Card Details



If Invalid Card Details Checkout error message until the card will be valid and the button checkout now will be appear.

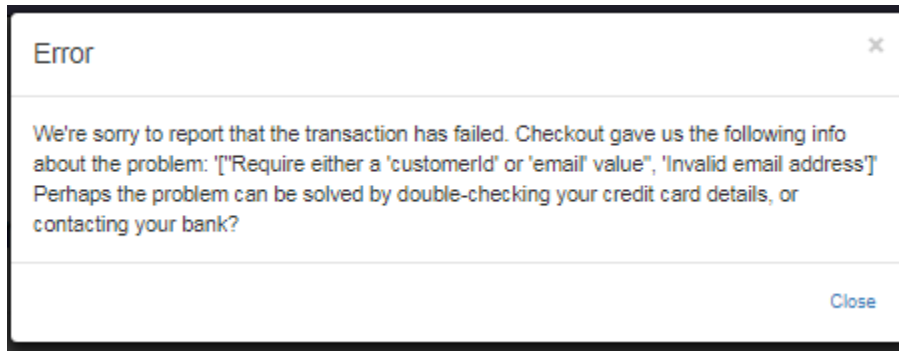
- Card Valid

Once the customer completes and submits his payment details, if the card tokenisation is successful the Checkout.js payment lightbox will appear as follows:



1.3.2 Transaction

- Transaction Invalid



If an error occurred in charging the card, check the status, responseMessage in the response for information regarding the cause of the error

- Transaction Valid

The transaction has been approved by the Issuer and the amount is held on the customer's card.

Order SO059 Confirmed

Thank you for your order.

[Print](#)

Order Details:

Product	Quantity	Unit Price	Subtotal
iPad Mini Color: White Capacity: 16GB Connectivity: Wifi Beautiful 7.9-inch display Over 375,000 apps Ultrafast wireless iOS7	2.000	\$ 489.25	\$ 978.50
Subtotal:			\$ 978.50
Taxes:			\$ 0.00
Total:			\$ 978.50

Bill To:

YourCompany, Mhadhbi Achraf
 Cité tayeb Mhiri laouina
 Tunis 2045
 Tunisia
 22357969
 mhadhbi.achraf@gmail.com

Ship To:

YourCompany, Mhadhbi Achraf
 Cité tayeb Mhiri laouina
 Tunis 2045
 Tunisia
 22357969

Payment Information:

Checkout.com Total: \$ 978.50

Done, Your online payment has been successfully processed. Thank you for your order.

- Transaction Sandbox : Transaction Details

	Timestamp	Charge ID	Status	Card Holder	Customer Email	Track ID	Respo... code	Product	Value	Payment Method
	16/11/2017 18:19:51	test_A87...	Capture : Success		mhadhbiac...		10000	Not Available	USD 978.50	VISA ****4242
	16/11/2017 18:19:51	test_B87...	Authorisation : Success				10000	Not Available	USD 978.50	

- Transaction Odoo : Transaction Details :

Orders / SO059 / SO059

[Edit](#) [Create](#) [Action ▼](#) 1 / 1 < >

[Draft](#) [Pending](#) [Authorized](#) [Done](#) [Refunding](#) [Refunded](#) [Error](#) [Canceled](#)

Reference	SO059
Sales Order	SO059
Amount	978.50 USD
Fees	0.00
Customer	YourCompany, Mhadhbi Achraf Cité tayeb Mhiri laouina Tunis 2045 Tunisia
Acquirer	Checkout.com
Payment Token	
Acquirer Reference	charge_test_C87BE96D050X748E0CF9
Creation Date	11/16/2017 19:09:41
Validation Date	11/16/2017 19:19:51

[Message](#)

Need More documentation?

- https://www.odoo.com/fr_FR/page/docs
- <https://docs.checkout.com/getting-started/introduction>