PayTabs Credit Card Payment Plugin for OpenCart

PLUGIN FOR OPENCART 2.0.3.1 INTEGRATION GUIDE

VERSION 2.0.3.1

Table of Contents

Revision History

Version	Description of Change	Date
1.0	- New Document	14/09/2014
2.0	- New Credit Card Payment Plugin Update for latest OpenCart Version 2.0.3.1	15/09/2015
2.1	- Updated Transaction Reports API - Added IPN section - Added API for Refunding Transactions - Added additional FAQ - Added test cards section	11/05/2016

1. Overview

At PayTabs, we are committed to providing the most secure, reliable and user-friendly payment processing solutions. By partnering with us for your payment processing needs, you can be confident that payment transactions will be processed quickly and efficiently, and your customers' information will be safe.

You'll enjoy our easy set-up using our Plugins and easy integration with our APIs. Our two-level fraud protection system protects transaction data throughout the payment process. With PayTabs as your payment processor, you'll benefit from the fastest, most secure, and cost-effective payment processing in the industry.

PayTabs Plugin is using PayTabs API which is a RESTful resource. In order to integrate with PayTabs Payment Plugin for your eCommerce solution, you will need the credentials of your PayTabs Merchant Account. If you do not have a merchant account, you can sign up for one [here](#).

It's important to note that the PayTabs payment plugins are constantly evolving, and updates are usually done every quarter, if required. PayTabs will intimate any major plugin change, so it's important that you check your merchant dashboard notification or e-mail, frequently to be updated.

1.1 Test Merchant Account v/s Live Merchant Account

PayTabs does not offer an explicit Sandbox / Testing environment. But using a demo account, you can freely test all the functionalities and integrate our API and Plugin without any hassle. In order to move to LIVE PRODUCTION environment, you will need to activate your LIVE MERCHANT ACCOUNT by clicking on GO LIVE through your PayTabs Merchant Account. PayTabs requires some personal information, documents and other details related to your business to validate your business. Once your Merchant Account is activated, you will have been moved to the LIVE PRODUCTION environment.

1.2 Target Audience

This document is intended for developers who want to write applications that interact with PayTabs.com.

This document assumes that you understand general networking and programming ideas.
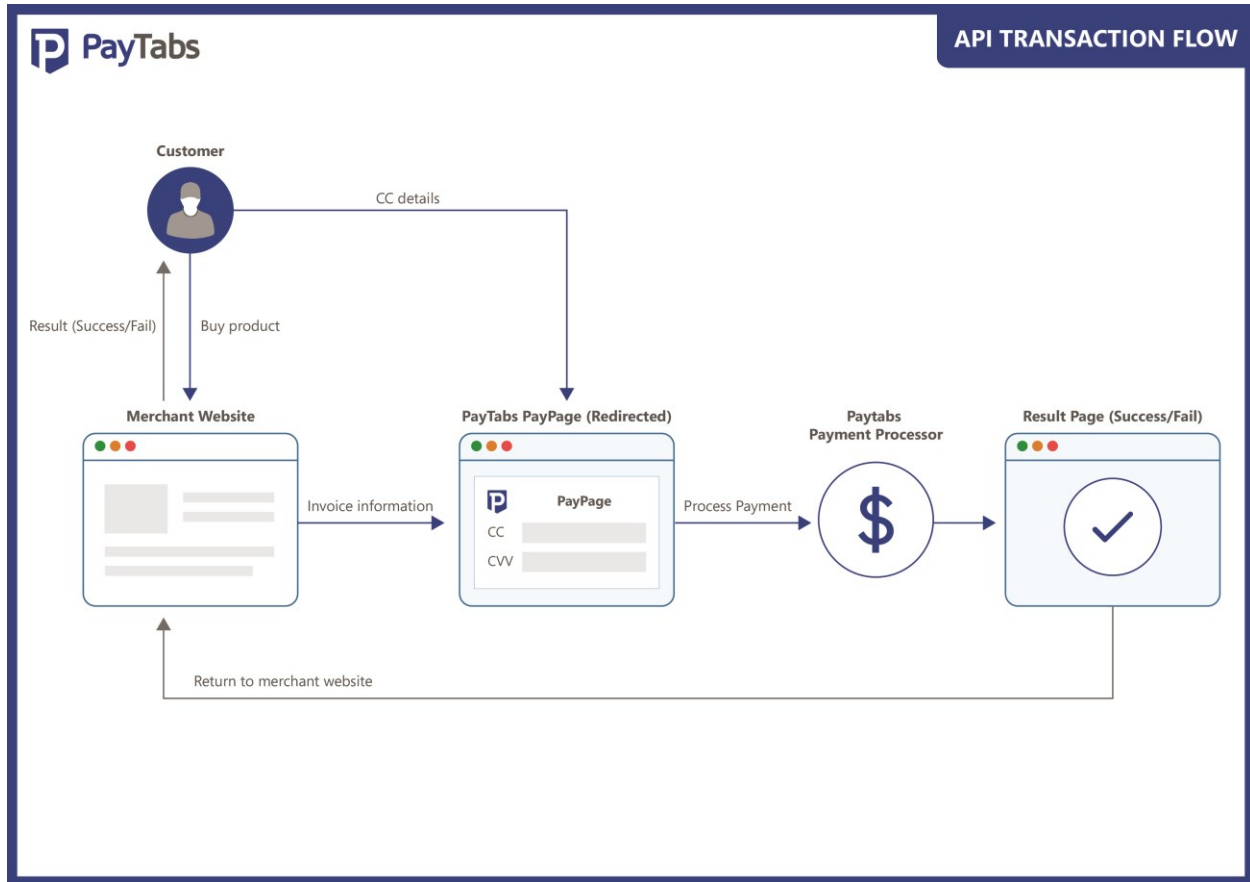
1.3 Assistance

If you require assistance, please check out our [Frequently Asked Questions](#) or chat live with our support staff or email us at support@paytabs.com.

1.4 Technical Architecture
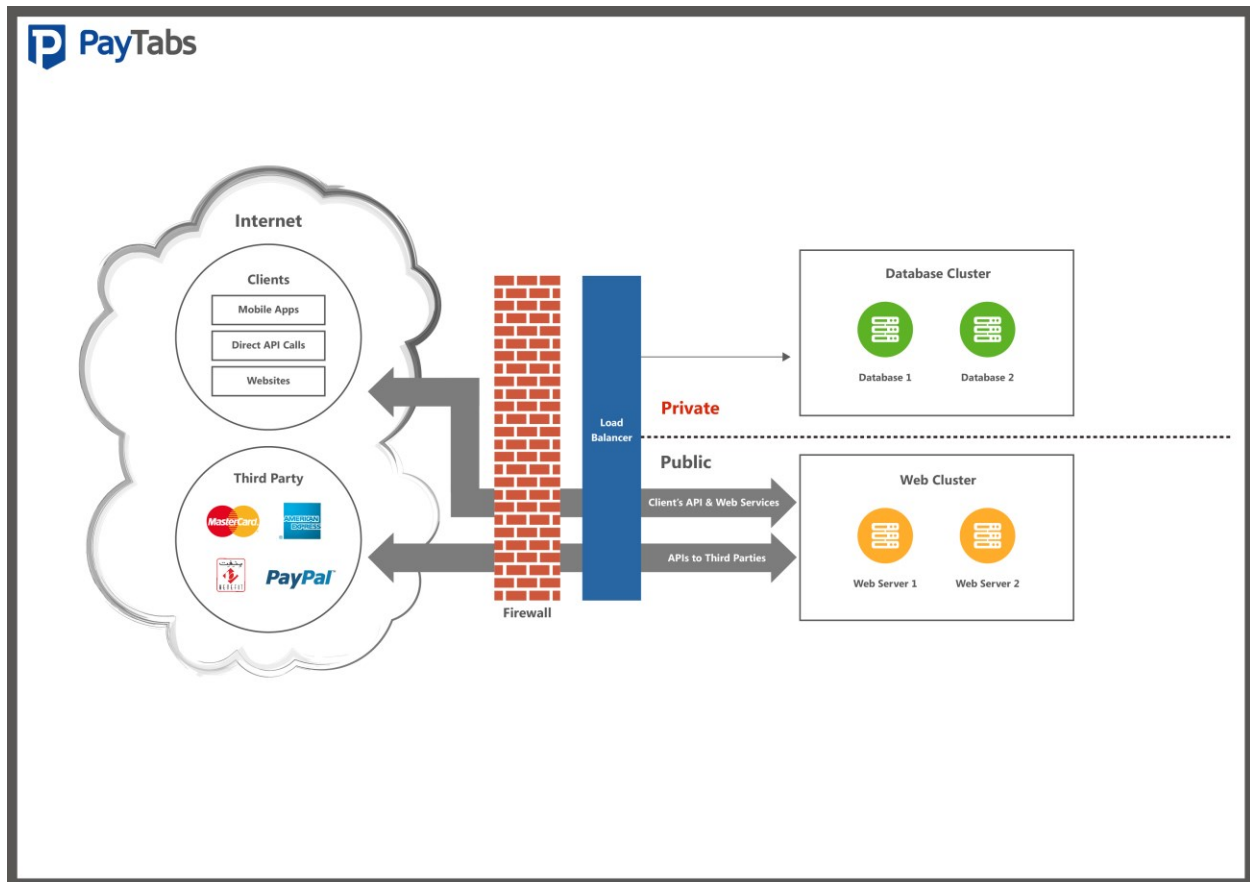
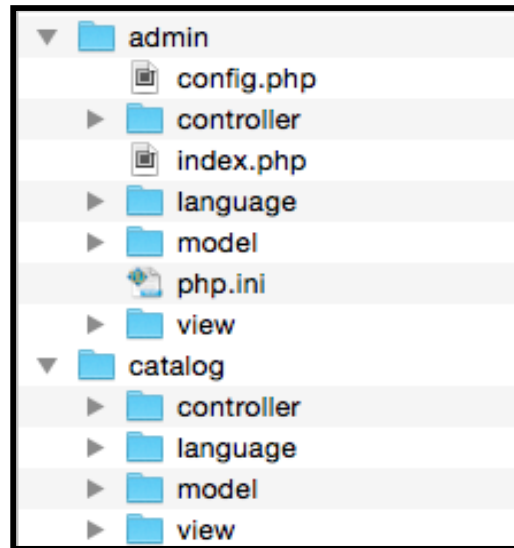## 1.5 API Transaction Flow

1.6 Documentation Feedback

Help us improve the PayTabs API Integration Guide, by sending your feedback to support@paytabs.com.

2   PayTabs Credit Card Payment Plug-in Installation to OpenCart

1. First download the PayTabs plugin from the PayTabs Website and unzip it. Within the folder, you will find two sub folders:
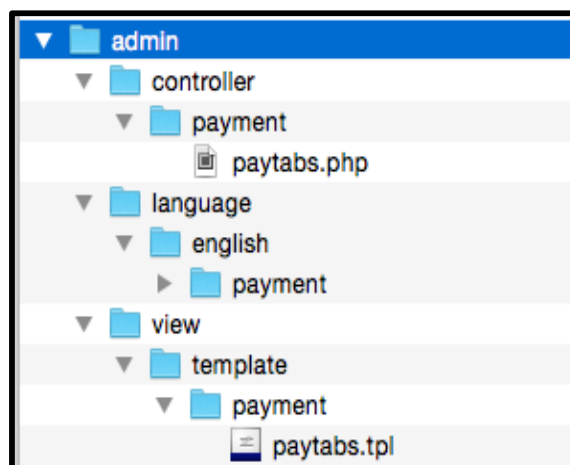
    1. admin
    2. catalog

2.1   Step 1 Copying the admin folder Files

Go to admin folder and paste the files from the Plugin folder into your OpenCart website directory by following the same folder hierarchy

controller/payment/paytabs.php

language/english/payment/paytabs.php

view/template/payment/paytabs.tpl

2.2 Step 2 Copying the catalog folder Files to OpenCart

Go to catalog folder and paste the files from the Plugin folder into your OpenCart
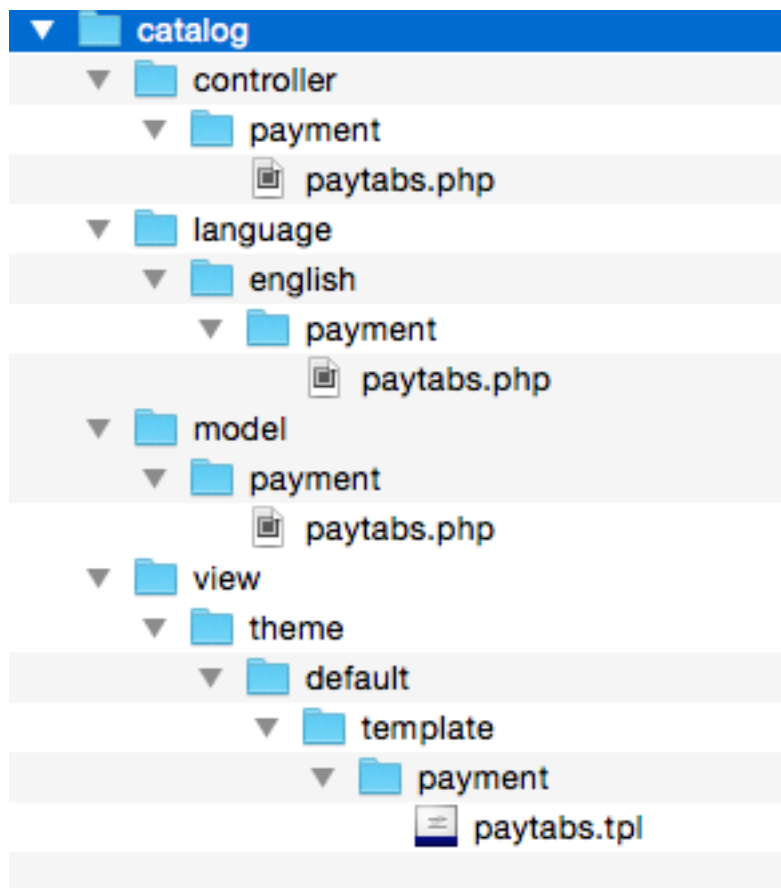website directory by following the same folder hierarchy

controller/payment/paytabs.php

language/english/payment/paytabs.php

model/payment/paytabs.php

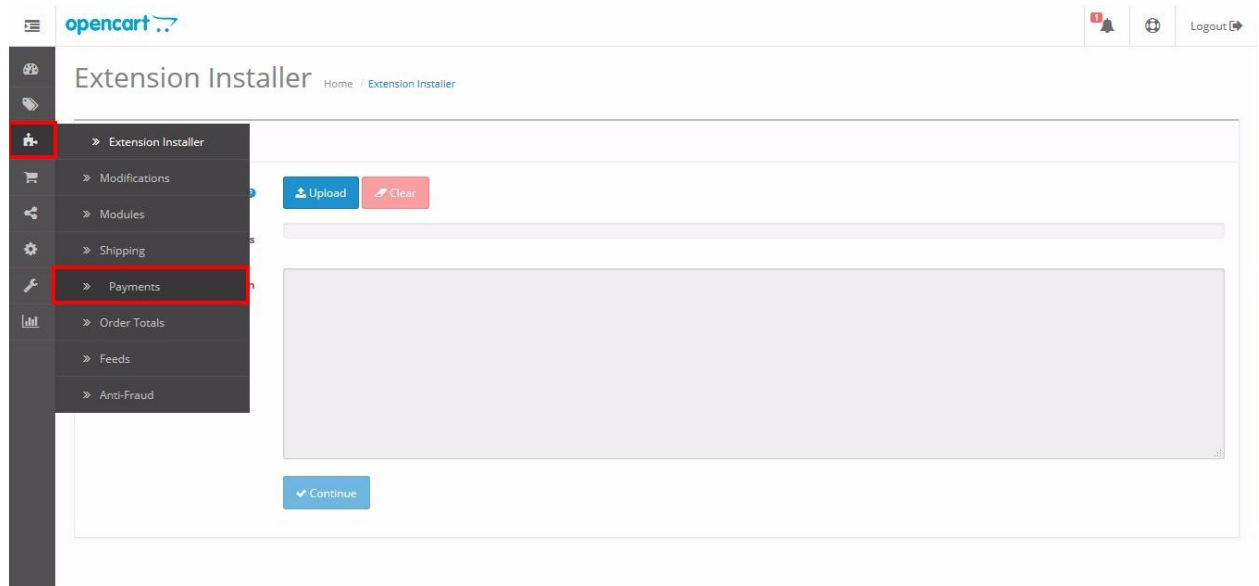view/theme/default/template/payment/paytabs.tpl

view/theme/default/template/checkout/payment_method.tpl

2.3 Step 3 Copying the image file to Open cart

Go to image folder and paste the image paytabs.png in the Opencart image folder

3   PayTabs Credit Card Payment Plug-in Activation in OpenCart

1. To install and activate the plugin, to log in to OpenCart administration.
2. Then go to Extensions -> Payments
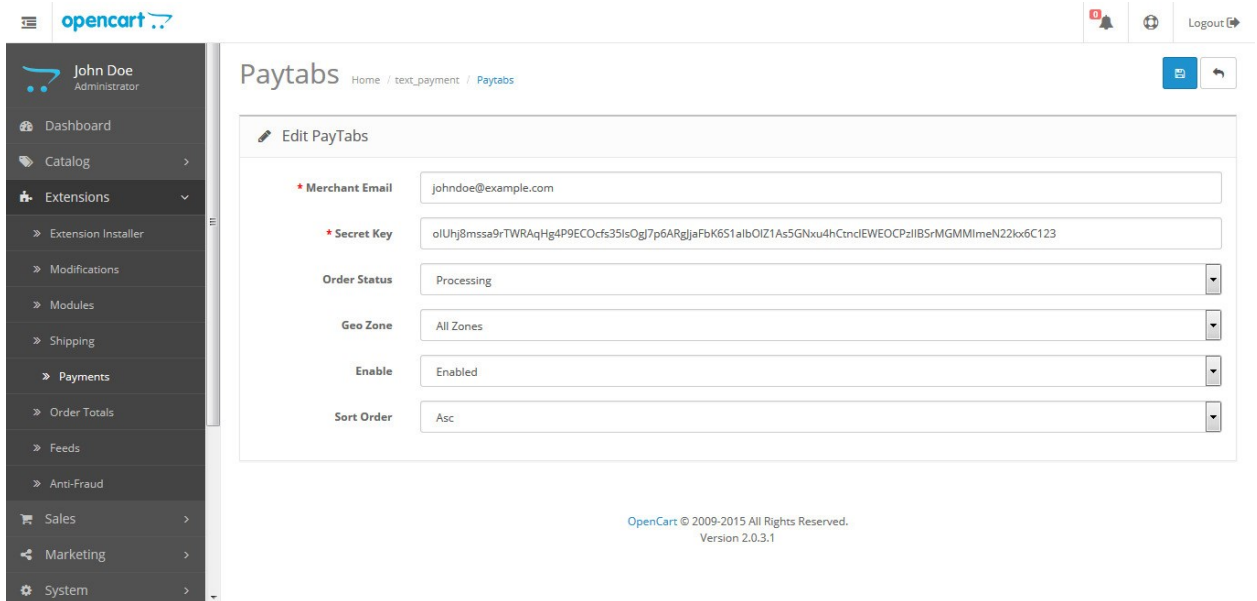
3. Then search PayTabs Payment options and click on the "Install" button on the right hand side.

4   PayTabs Credit Card Plug-in Configuration in Open Cart

1. After you Install PayTabs Plugin, Click Edit the following page will be displayed:
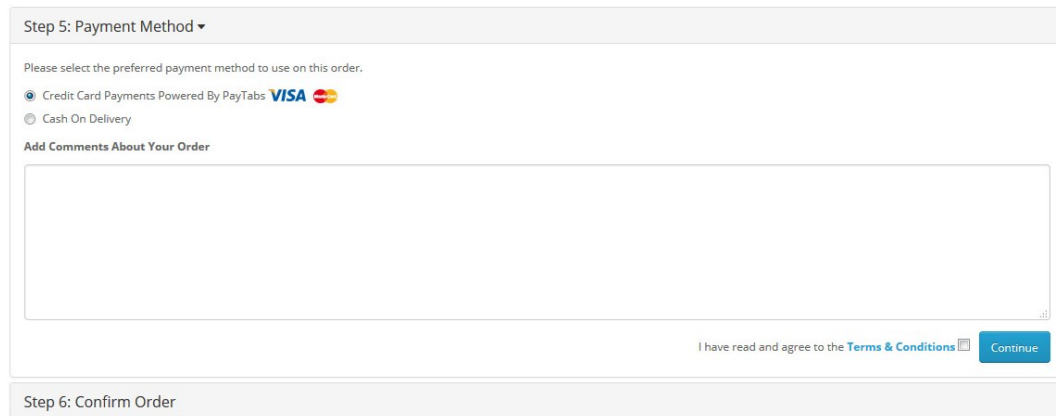
2. Set Enable field to Enabled to enable the payment method.
3. For Merchant Email field: enter the email id of your PayTabs merchant account.
4. For secret key field: you can find the secret key on your Merchant's Dashboard >> PayTabs Services >> ecommerce Plugins and API. Entering or changing anything else in the files, may result in issues/errors.
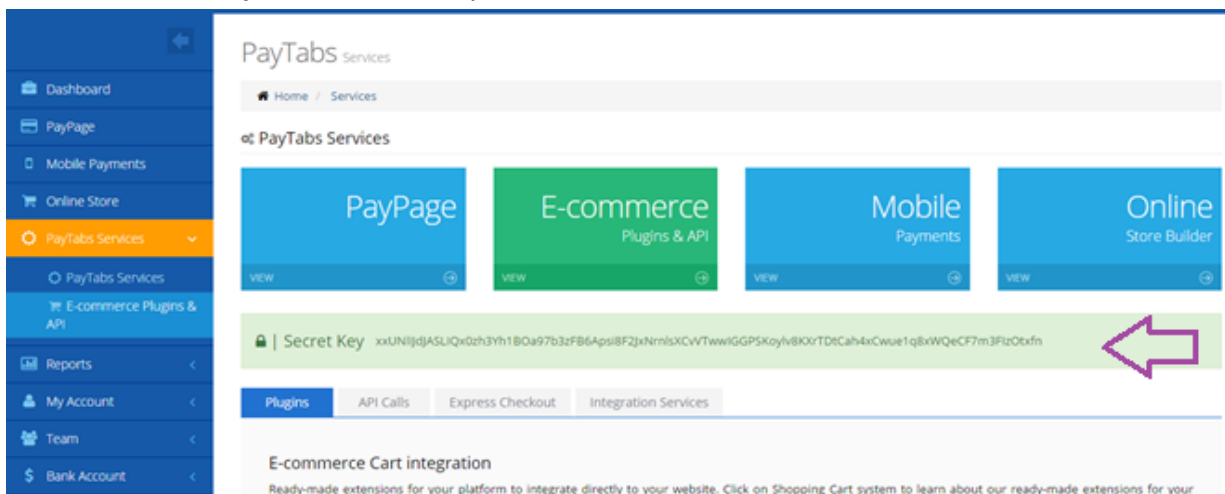
IMPORTANT NOTE: The website where you are using the PayTabs plugin must be an exact match to the website URL you provided in your PayTabs merchant account.

   a. For Demo Users: You can edit your site URL by going to "My Profile" and clicking on edit, enter your correct site URL and click on Save.

b. <u>For Live Merchants:</u> You can use the website that you have submitted in the Go-Live application. If you need to edit/change the site URL, you can send a request to <u>customercare@paytabs.com</u>

5. Now, during your checkout process, you will see a new option under "Payment Methods" Credit Card Payments Powered by PayTabs. This means that your PayTabs Payment Plugin has been installed correctly.

Important Notes:
1- You need to pass all the following fields which are mandatory to create the payment Page:
- First Name
- Last Name
- Phone Number
- Email
- Billing Address
- Billing City
- Billing State/Region
- Billing Postal Code
- Billing Country
- Shipping Address
- Shipping City
- Shipping State/Region
- Shipping Postal Code
- Shipping Country

5 PayTabs Credit Card Payment Page and Order Status

Once the customer clicks Pay, the pay page is created and user is redirected to complete the payment, as shown below:

If the payment is successful, the customer will be redirected to Your Order has been placed Page as shown below. And the order status will be updated by the value you select from Order Status drop down during PayTabs payment configuration in Admin panel.
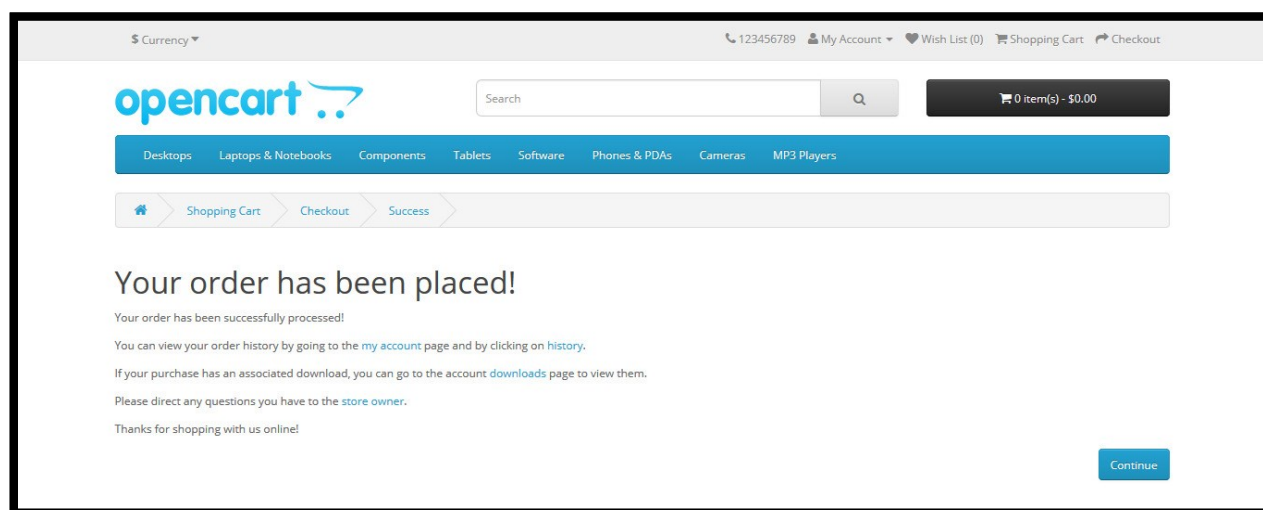
If the payment fails, the customer is redirected to Payment Failed page and cart content remain as it is with the same order number.
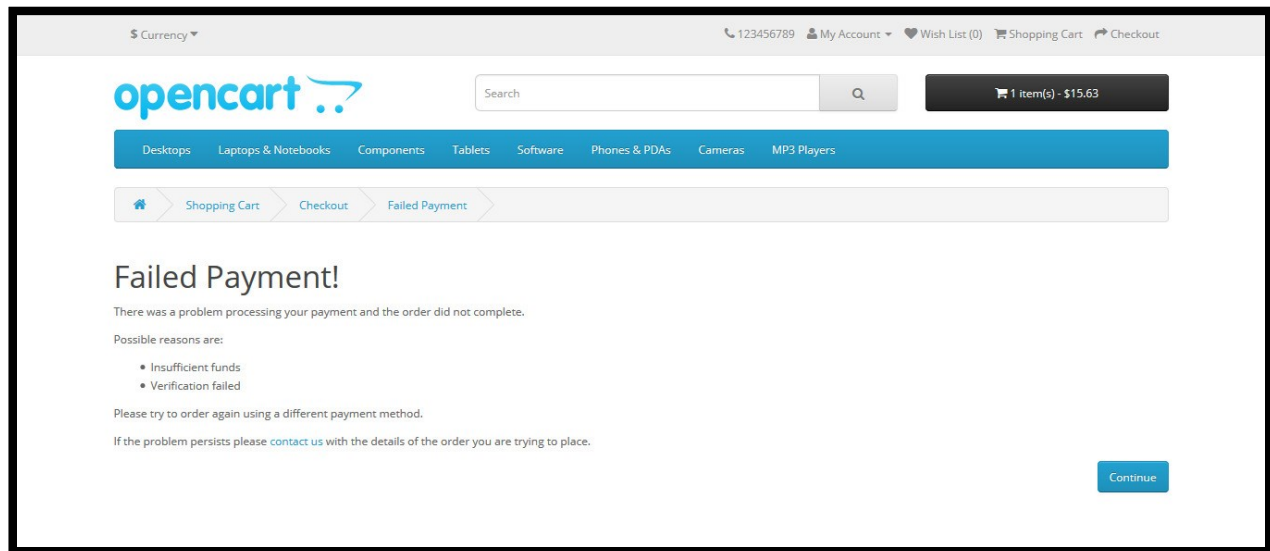
6 Refund Transactions

This method enables you to submit the refund requests using the below API function. Refund requests will be processed in around 24 hours and if you are using IPN service the IPN will post a response once the refund request is approved or rejected. Partial refunds are available. You can submit a single refund request for the whole amount of Multiple Partial refunds for the same transaction. However, if your refund request for a certain transaction is still pending for approval, you can't submit a second refund request for the same transaction.

Note: This feature is also available from Merchant Dashboard > Bank Account > Refunds
Note: This API can be used by Active accounts only; it's not available for Demo merchants

PATH	https://www.paytabs.com/apiv2/refund_process
REQUEST METHOD	POST
PRODUCTION	LIVE

6.1 Request

Element	Description	Format
merchant_email	<u>Required</u> Merchant email that you use to sign up and/or login into PayTabs Merchant Dashboard	String Up to128 characters E.g.: *foof@foo.com*

secret_key	Required SECRET Key can be found at merchant dashboard	String Up to128 characters E.g.: *Mao8sdhasfyahosdap9sd*
paypage_id	Optional The paypage id of the successful payment that you wish to refund This is the p_id that is returned in the create paypage response.	String Up to 12 characters E.g.: *130017*
reference_number	Optional The order id of the payment from your system You can either use this or use the paypage_id This the same as reference_no value posted in Create Paypage call	String Up to 32 characters E.g.: *4578*
refund_amount	Required The amount you wish to refund, it can either be partial amount or full amount	Up to 3 Decimal places E.g.: 134.999
refund_reason	Required The reason for refunding the transaction	String Up to 256 Characters

6.2 Response

Element	Description	Format
result	The string representation for result, whether transaction has succeeded or failed and the reason why your transaction failed.	String E.g.: *Payment is completed.*
response_code	The response code / error code of the API call. Complete list of response codes can be found in Merchant Dashboard > Help > Reason Codes	String Up to 4 characters E.g.: *4002*

6.3 Response Codes

Error Code	Description
4001	Missing parameters
4002	Invalid Credentials
810	You already requested Refund for this Transaction ID
811	Refund amount you requested is greater than transaction amount Your balance is insufficient to cover the Refund Amount
812	Refund request is sent to Operation for Approval. You can track the Status
813	You are not authorized to view this transaction

7   PayTabs IPN (Instant Payment Notification)

7.1   How IPN Works

When a customer makes a payment, the transaction is processed by PayTabs and a confirmation is sent back to the customer on the merchant's application. Additionally, a notification email will be sent to the merchant.

This scenario, leave no scope for any related ERP or E-commerce or Accounting Systems to be updated. This is where IPN comes in.

As soon as a transaction is created or altered, PayTabs IPN will instantly send a notification to the merchant's specified IPN Listener URL, which can have any code that will assist in updating ERP or dependent systems. Alternatively, the merchant may wish to save this information in his local database.
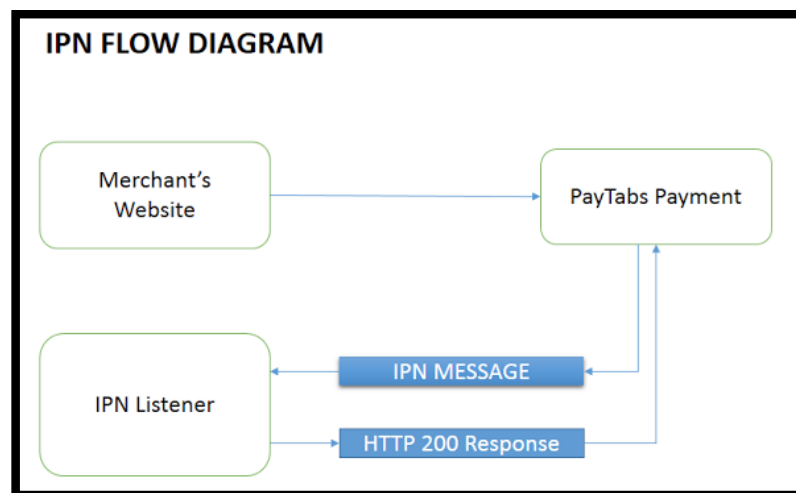
7.2   Set up your IPN Listener

1. Create an IPN Listener that receives and processes the IPN messages sent by PayTabs.

2. Log into your PayTabs Merchant Account > Go to "My Profile" and click on "Edit".

3. Enter the URL of your IPN Listener and click on "Submit". IPN will not work with a local host IPN Listener URL. Testing the IPN Message Service is only possible on a publicly hosted URL.

Now your IPN Service is ready to go!

7.3 IPN Events

Your listener will be triggered on the following events:
1. Successful Transaction
2. Rejected Transaction
3. Force Accepted Transaction by PayTabs
4. Refunded Transaction

7.4 Contents / Data of the IPN

The Instant Payment Notification will return the following information depending on the type of event that has occurred.

Element	Description	Format
transaction_id	PayTabs Transaction ID	String E.g: 12345
reference_id	Merchant's Website order ID, this the same as reference_no value posted in Create Paypage call	String Up to 12 characters E.g.: *90094*
invoice_id	The paypage id of the successful payment that you wish to refund. This is the p_id that is returned in the create PayPage response.	String Up to 12 characters E.g.: *90094*
response_code	The response code / error code of the API call. A complete list of response codes can be found in Merchant Dashboard > Help > Reason Codes	String Up to 4 characters E.g.: *4002*
customer_name	Name of the Customer	String 32 characters E.g.: *John*
email	Email of the customer	String 32 characters E.g.: *customer@domain.com*
phone_num	Phone Number of the Customer	String Minimum 6 numbers up to 32 numbers E.g.: *3312345678*
amount	The transaction amount.	Decimal Up to 3 Decimal places E.g.: *123.399*

currency	Currency of the amount stated. 3 character ISO currency code	String E.g.: *BHD*
shipping_address	Shipping address of the customer	String 40 characters E.g.: *Flat abc road 123*
shipping_city	Shipping City of the customer	String 13 characters E.g.: *Manama*
shipping_state	Shipping State of the customer	String 32 characters E.g.: *Manama* 2 characters for US & Canada E.g.: if state is New York then the state field should be NY
shipping_country	Shipping country of the customer	String 3 character ISO country code E.g.: *BHR*
shipping_postalcode	Shipping postal code of the customer	String From 5 to 9 characters E.g.: *403129*

7.5   Response Codes

Response Code	Description
5000	Payment has been rejected
5001	Payment has been accepted successfully
5002	Payment has been forcefully accepted
5003	Payment has been refunded

Important Notes

1. When merchants use Verify transaction API, the API will send a response for successful or rejected payment. The IPN feature will also give the same response. The merchant should be cautious and accept both notifications as one transaction and not separate transactions. Moreover, *ONLY* the IPN will post updated information about force accepted transactions.

8 Transactions Reports

This API call will post all transactions that have taken place within the specified time interval to a URL.

Before calling this API, you will need to set the listener URL for the reports. Login to your merchant dashboard and edit your profile. In the 'IPN Listener for Transactions Reports' Enter the URL where you would like PayTabs to post your transactions and click on Save.

Once you call the transaction_reports API, all the transactions will be posted to the listener URL and the response will be contain the number of transactions that will be posted.

PATH	https://www.paytabs.com/expressv2/transaction_reports/
REQUEST METHOD	POST
PRODUCTION	LIVE

8.1 Request

Element	Description	Format
merchant_id	Required Merchant email id	String E.g.: *foo@foo.com*
secret_key	Required Secret Key is generated from merchant Dashboard.	String E.g.: *Mao8sdhasfyahosdap9sd*
startdate	Required Start Date Format should be mm-dd-yy HH:MM:SS	String E.g.: *02/20/2016 12:00:00ss*
enddate	Required End Date Format should be mm-dd-yy HH:MM:SS	String E.g.: *02/20/2016 12:00:00*

8.2 Response

Element	Description	Format
Response_code	Response code of the API call	String E.g.: 4001, 4090,4091
transaction_count	Total number of transactions.	String E.g.: 23
details	The details of all the retrieved transactions	String
status	Payment Status	String E.g.: Approved/ Rejected / Refunded / Force Accepted
response_code	Payment Result Response Code 100 for successful or refunded payment 481: DM declined or Force Accepted Payment other: Rejected	String E.g.: 475
transaction_id	PayTabs Transaction ID	String E.g.: 12345
order_id	Merchant's Website order ID	String E.g.: 1234
auth_code	Authorization Code	String E.g.: AhjzbwSR8VsHlol4QVCEcgSe gdUxd
transaction_title	Title of the transaction	String
amount	Transaction Amount	String E.g.: 199.287
currency	Transaction Currency 3 Character ISO country Code	String E.g.: AED
net_amount	The equivalent of the original amount converted to merchant dashboard Currency	String E.g.: 199.287

net_amount_currency	Merchant Dashboard Currency 3 Character ISO country Code	String E.g.: AED
net_amount_credited	Net Amount Credit to Merchant's Balance after deducting PayTabs fees	String E.g.: 199.287
net_amount_credited_currency	Merchant Dashboard Currency 3 Character ISO country Code	String E.g.: AED
transaction_datetime	Date and time of the transaction	String E.g.: 23-03-2016 01:39:16 pm
force_accept_datetime	Date and time of force accept (If applicable)	String E.g.: 23-03-2016 01:39:16 am

8.3 Response Codes

Response Code	*Description*
4001	Missing parameters
4002	Invalid Credentials
4006	Your time interval should be less than 60 days
4090	Data Found
4091	Transaction Count is 0

8.4 Sample Response

Below is a sample of the response received from the API call in JSON format:

```json
{
  "transaction_count": 2,
  "response_code": "4090",
  "details": [
    {
      "status": "Payment Approved",
      "response_code": "100",
      "transaction_id": "130044",
      "order_id": "1234567",
      "auth_code": "AhjzbwSR8ReOO8y6YqFo3AKfvJwhpLVUHyL4C7ekmW6QHFHIgDAAxQlz",
      "transaction_title": "Mr. John Doe",
      "amount": "1.00",
      "currency": "SAR",
      "net_amount": "3.73",
      "net_amount_currency": "SAR",
      "net_amount_credited": "3.58",
      "net_amount_credited_currency": "SAR",
      "transaction_datetime": "20-03-2016 06:07:34 pm",
      "force_accept_datetime": "Not Applicable"
    },
    {
      "status": "Payment Approved",
      "response_code": "481",
      "transaction_id": "130043",
      "order_id": "1234567",
      "auth_code": "AfvzbwSR8RcpB85hKYko3AKfvmhqlu1UHyL4C7ekmW6QHFHIgDAA2gfW",
      "transaction_title": "Mr. John Doe",
      "amount": "1.00",
      "currency": "SAR",
      "net_amount": "3.73",
      "net_amount_currency": "SAR",
      "net_amount_credited": "3.58",
      "net_amount_credited_currency": "SAR",
      "transaction_datetime": "20-03-2016 05:43:49 pm",
    "force_accept_datetime": "20-03-2016 06:43:49 pm"
    }
  ]
}
```

9   Test Credit Card Numbers

To test your payment process, you can typically use any valid credit card number or you can use the ones listed below.

Please DO NOT use test cards in a live environment. This will cause your transactions to be rejected.

Card Number	Card Type	Description	CVV	Expiry Date
4111111111111111	VISA	Without authentication window	123	05/17
4000000000000002	VISA	With authentication window (3D secure)	123	05/17
4000000000000127	VISA	Card enrollment option during purchase process	123	05/17
5200000000000007	MasterCard	With authentication window (3D secure)	123	05/17
5200000000000114	MasterCard	Without authentication window	123	05/17
5200000000000122	MasterCard	Card enrollment option during purchase process	123	05/17

10 Frequently Asked Questions

Q1. I keep getting this error "Invalid Credentials". How do I fix this?
You need to make sure that the merchant email or secret key don't have any spaces.

Q2. When I checked the plugin by buying a product, after confirmation it shows ''invalid secret key''.
Kindly make sure you are using the correct secret key linked to your account, you can find secret key by logging in to your PayTabs Merchant Dashboard > Mobile Payments > Secret key and make sure there are no spaces before or after the secret key when you paste it and try again.

Q3. I don't need shipping for my products. Can I remove shipping address?
If shipping details is not required from customer or the same as the billing details, you can post the same billing details fields in shipping details fields.

Q4. I keep getting this error "Site URL does not match". How do I fix this?

The API V 2.0 requires that the requesting website be exactly the same as the website/URL associated with your PayTabs Merchant Account. The merchant can see this SITE URL on his dashboard, under "My Profile".

For Demo Users:
You can edit your site URL by clicking going to "My Profile" and clicking on edit, enter your correct site URL and click on Save.

For Live Merchants:
You can use the website that you have submitted in the Go-Live application. If you need to edit/change the site URL, you can send a request to customercare@paytabs.com

Q5. Where can I see the complete listing of all Payment Response Codes?
To view all the reason codes related to transactions, login to your merchant dashboard, go to "Help" >> "Reason Codes".

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https://www.paytabs.com