



Tokenization Integration Guide

RECURRING PAYMENTS AND TOKENIZATION PROFILE USING API INTEGRATION
GUIDE
VERSION 1.0

Table of Contents

1.	Overview	5
1.1	Test Merchant Account v/s Live Merchant Account.....	5
1.2	Target Audience.....	5
1.3	Assistance	6
1.4	Tokenization Process Flow	6
1.5	Documentation Feedback.....	6
2	Getting started.....	7
2.1	Web Service URLs.....	8
2.2	Definitions	8
3	Validate Secret Key	9
3.1	Request	9
3.2	Response.....	10
3.3	Response Codes.....	10
4	Create Pay Page	11
4.1	Request	11
4.2	Response.....	14
4.3	Response Codes.....	15
5	Create Recurring Payments.....	19
5.1	Request	19
5.2	Response.....	19
5.3	Response Codes.....	20
6	Create Tokenization Profile for Customers.....	21
6.1	Request	21
6.2	Response.....	22
6.3	Response Codes.....	22
7	Verify Payment	24
7.1	Request	24
7.2	Response.....	25
7.3	Response Codes.....	25
7.4	Example	26
8	Transactions Reports	27
8.1	Request	27
8.2	Response.....	28
8.3	Error Codes.....	28
9	REST API Call Behavior	29

10	Response & Codes	30
10.1	Response Codes.....	30
11	Test Credit Card Numbers	31
12	Example	32
13	Frequently Asked Questions.....	34

Revision History

Version	Description of Change	Date
1.0	- New Document	13/12/2015

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 API is a RESTful resource. In order to integrate with PayTabs API, 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 APIs are constantly evolving, and updates are usually done every quarter, if required. PayTabs will intimate any major API 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.

NOTE: Tokenization is only available for Live Account, and you must request to enable the tokenization feature for you first by contacting your account manager, to be able to start the integration.

1.2 Target Audience

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

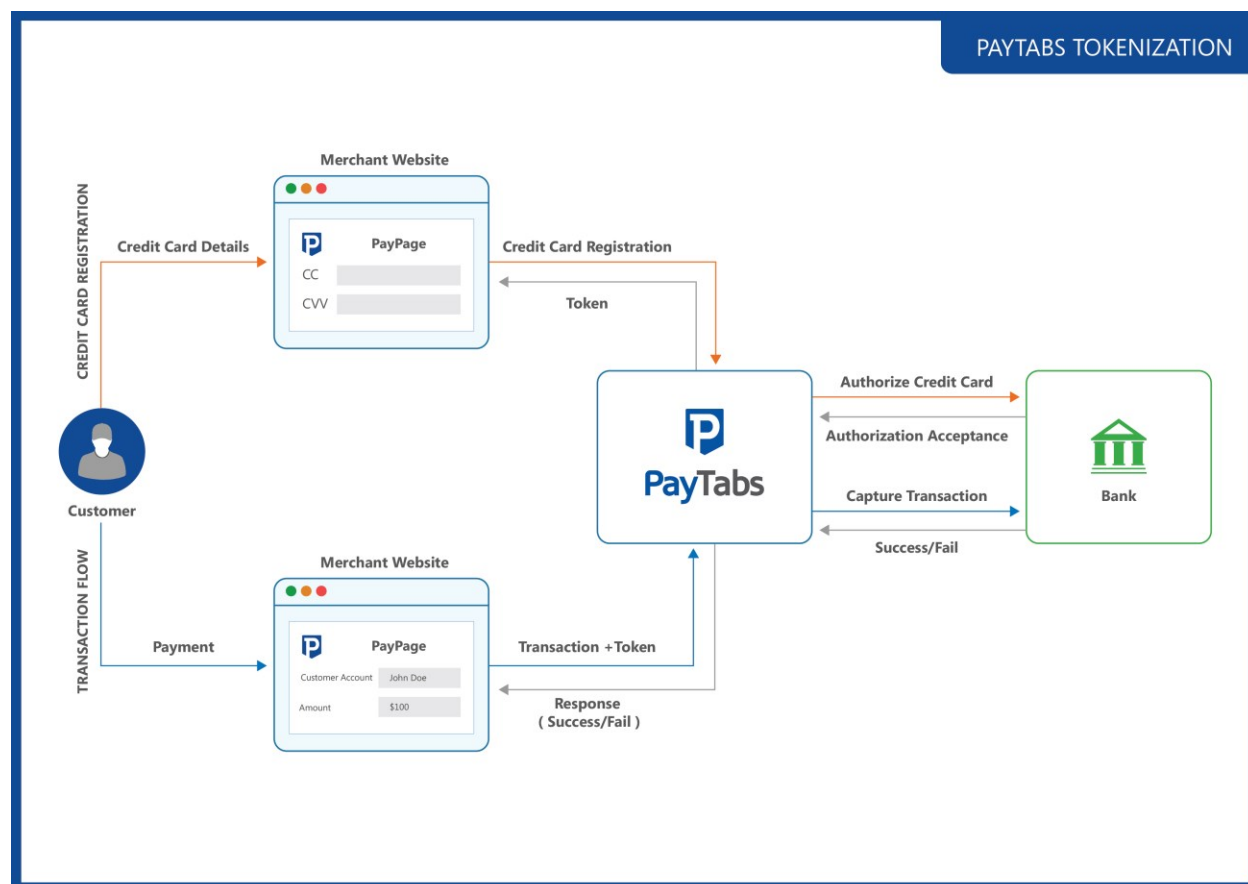
This document assumes that you understand general networking and programming ideas. Even though code examples are built using PHP, any programming language of your choice can be used to interact with this API.

This API supports PHP and .NET platforms.

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 Tokenization Process Flow



1.5 Documentation Feedback

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

2 Getting started

Here is a listing of all the APIs provided by PayTabs.

S. No.	API FUNCTION	API CALL
1	Validate Secret Key	https://www.paytabs.com/apiv2/validate_secret_key
2	Create PayPage	https://www.paytabs.com/apiv2/create_pay_page
3	Verify Payment	https://www.paytabs.com/apiv2/verify_payment
4	Transaction Reports	https://www.paytabs.com/apiv2/transaction_reports

2.1 Web Service URLs

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

Production Environment : <https://www.paytabs.com>

2.2 Definitions

The following are some of the terms that are used in this document and their respective definitions.

TERM	DEFINITION
Merchant	PayTabs customer who will use the PayTabs system in their shops/counters.
Secret Key	Secret key available on the merchant dashboard, under the menu: E-commerce Plugins and API.
Customers	The customer that the merchant will charge. They are also called cardholders.
Banks	The banks to which PayTabs will interact.
Payment processor	The 3rd party payment gateway that PayTabs is using to capture payments
Masked number	The first 6 and last 4 numbers of the card number with*(asterisk in the middle)
Issuer Bank	The bank which has issued the credit card being used.
Settlement Bank	The bank where PayTabs will settle money after clearance.

3 Validate Secret Key

A new authentication model has been introduced in our API. It depends on a unique Secret Key generated only once for each merchant and will be used in all the web services provided by PayTabs. This method uses the merchant_email and secret_key to validate your credentials.

You can find the secret key on your Merchant's Dashboard >> PayTabs Services >> ecommerce Plugins and API.

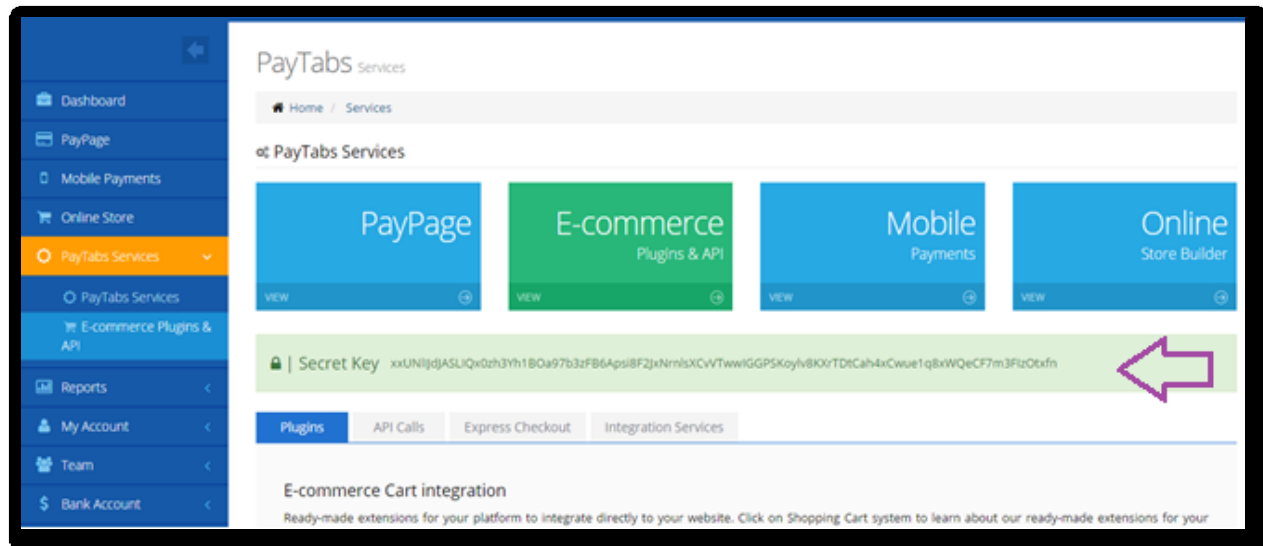


Fig: To find your secret key, go to PayTabs Services >> E-commerce Plugins and API.

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

3.1 Request

Element	Description	Format
merchant_email	<u>Required</u> The merchant's valid email address used at the time of sign up.	String > 4 characters E.g.: foo@bar.com
secret_key	<u>Required</u> SECRET Key generated by merchant dashboard	String E.g.: <i>Mao8sdhasfyahosdap9sd</i>

3.2 Response

<i>Element</i>	<i>Description</i>	<i>Format</i>
result	Validation of secret Key: valid / invalid	String E.g.: <i>valid / invalid</i>
response_code	The response code of the API call.	String 4 characters E.g.: <i>4000, 4001, 4002</i>

3.3 Response Codes

<i>Response Code</i>	<i>Description</i>
4000	Valid Secret Key
4001	missing secret_key or merchant_email parameter
4002	Invalid Secret Key

4 Create Pay Page

This method will accept all the parameters required to create a PayPage and then return the response as well as the link where all the parameters posted to the API will appear in the PayPage prefilled and the customer can enter ONLY the credit card information and make the payment.

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

4.1 Request

<i>Element</i>	<i>Description</i>	<i>Format</i>
merchant_email	<u>Required</u> Merchant email id used to login into PayTabs Merchant Dashboard.	String E.g.: testing@test.com
secret_key	<u>Required</u> SECRET Key generated by merchant dashboard	String E.g.: <i>Mao8sdhasfyahosdap9sd</i>
site_url*	<u>Required</u> The URL of your site from which you will configure the API.	String E.g.: <i>http://www.yourwebsite.com/</i>
return_url	<u>Required</u> The URL to which the customer will be returned to.	String E.g.: <i>http://yourwebsite.com/payment_completed.php</i>
title	<u>Required</u> Description or title of the transaction done by the customer	String 32 characters E.g.: <i>Order # 3321</i>

* 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

cc_first_name	<u>Required</u> First Name of the Customer	String 32 characters E.g.: <i>John</i>
cc_last_name	<u>Required</u> Last Name of the Customer	String 32 characters E.g.: <i>Doe</i>
cc_phone_number	<u>Required</u> Country code for Phone Number of the Customer	String 32 characters E.g.: <i>00973</i>
phone_number	<u>Required</u> Phone Number of the Customer	String 32 characters E.g.: <i>3312345678</i>
email	<u>Required</u> Email of the customer	String 32 characters E.g.: <i>customer@domain.com</i>
products_per_title	<u>Required</u> Product title of the product. If multiple products then add “ ” separator	String 256 characters E.g.: <i>IPhone Samsung S5 Samsung S4</i>
unit_price	<u>Required</u> Unit price of the product. If multiple products then add “ ” separator.	String 256 characters E.g.: <i>21.09 22.12 12.01</i>
quantity	<u>Required</u> Quantity of products. If multiple products then add “ ” separator.	String 256 characters E.g.: <i>1 2 3</i>
other_charges	<u>Required</u> Additional charges. e.g.: shipping charges, taxes, VAT, etc.	Decimal Up to 3 Decimal places E.g.: <i>123.399</i>
amount	<u>Required</u> Amount of the products and other charges, it should be equal to: amount = (sum of all products' (unit_price * quantity)) + other_charges This field will be displayed in the invoice as the sub total field	Decimal Up to 3 Decimal places E.g.: <i>123.399</i>
discount	<u>Required</u> Discount of the transaction The Total amount of the invoice will be= amount - discount	Decimal Up to 3 Decimal places E.g.: <i>123.399</i>

currency	<u>Required</u> Currency of the amount stated. 3 character ISO currency code	String E.g.: <i>BHD</i>
reference_no	<u>Required</u> Invoice reference number	String 11 characters E.g.: <i>Abc-5566</i>
ip_customer	<u>Required</u> The client IP with which the order is placed.	String 16 characters E.g.: <i>123.123.12.2</i>
ip_merchant	<u>Required</u> Server IP where the order is coming from	String 16 characters E.g.: <i>11.11.22.22</i>
billing_address	<u>Required</u> Complete Address of the customer. Multiple address lines will be merged into one single line.	String 64 characters E.g.: <i>Flat 11 Building 222 Block 333 Road 444 Manama Bahrain</i>
state ***	<u>Required</u> Billing State (part of the address) entered by the customer	String 32 characters E.g.: <i>Manama</i>
city	<u>Required</u> Name of the billing city selected by customer	String 32 characters E.g.: <i>Manama</i>
postal_code	<u>Required</u> Billing Postal code provided by the customer	String Up to 9 characters E.g.: <i>12345</i>
country	<u>Required</u> Country of the customer	String 3 character ISO country code E.g.: <i>BHR</i>
shipping_first_name	<u>Required</u> First Name of the Customer in shipping address	String 32 characters E.g.: <i>John</i>
shipping_last_name	<u>Required</u> Last Name of the Customer in shipping address	
address_shipping**	<u>Required</u> Shipping address of the customer	String 64 characters E.g.: <i>Flat abc road 123</i>

city_shipping	<u>Required</u> Shipping City of the customer	String 32 characters E.g.: <i>Manama</i>
state_shipping ***	<u>Required</u> Shipping State of the customer	String 32 characters E.g.: <i>Manama</i>
postal_code_shipping	<u>Required</u> Shipping postal code of the customer	String Up to 9 characters E.g.: <i>403129</i>
country_shipping	<u>Required</u> Shipping country of the customer	String 3 character ISO country code E.g.: <i>BHR</i>
msg_lang	<u>Required</u> Language of the PayPage to be created. Invalid or blank entries will default to English.	String E.g.: English / Arabic
cms_with_version	<u>Required</u> CMS / Language that you are using with its version. This will help us to troubleshoot issues, if any.	String E.g.: Magento 0.1.9

** If shipping details are not required from customer or the same as the billing details, you can post the same billing details fields in shipping details fields.

*** When the country is selected as USA or CANADA, the state field should contain a String of 2 characters containing the ISO state code otherwise the payments may be rejected. For other countries, the state can be a string of up to 32 characters.

To ensure that you get multiple line items in your PayPage, please make sure to add a space before and after two continuous pipeline separators. E.g. *IPhone // Samsung S5 // Samsung S4*

4.2 Response

Element	Description	Format
result	The string representation for result about the supplied data	String E.g.: <i>Pay Page is created. User must go to the page to complete the payment.</i>
response_code	The response code of the processor, if the parameters are accepted.	String 4 characters E.g.: <i>4002</i>

p_id	PayPage ID	String E.g.: 123
payment_url	The URL for the payment	String E.g.: <i>http://www.paytabs.com/pay/page/345</i>

4.3 Response Codes

Code	Description
4012	PayPage created successfully
4404	You don't have permissions to create an Invoice
4001	Variable not found
4002	Invalid Credentials.
4007	'currency' code used is invalid. Only 3 character ISO currency codes are valid.
4008	Your SITE URL is not matching with your profile URL
4013	Your 'amount' post variable should be between 0.27 and 5000.00 USD
4014	Products titles, Prices, quantity are not matching
4094	Your total amount is not matching with the sum of unit price amounts per quantity

Example:

```
<?php
```

```
$pt->create_pay_page(array(
    "merchant_email" => "merchantaccount@gmail.com",
    "secret_key"      => "211145sds3aqmkol21314",
    "site_url"        => "https://www.yourwebsite.com",
    "return_url"      => "https://www.yourwebsite.com/return",
    "title"           => "JohnDoe And Co.",
    "cc_first_name"   => "John",
    "cc_last_name"    => "Doe",
    "cc_phone_number" => "00973",
    "phone_number"    => "123123123456",
    "email"           => "johndoe@example.com",
    "product_per_title" => "MobilePhone || Charger || Camera",
    "unit_price"      => "12.123 || 21.345 || 35.678 ",
    "quantity"        => "2 || 3 || 1",
    "other_charges"   => "12.123",
    "amount"          => "136.082",
    "discount"        => "10.123",
    "currency"        => "BHD",
    "reference_no"     => "ABC-123",
    "ip_customer"      => "1.1.1.0",
    "ip_merchant"      => "1.1.1.0",
    "billing_address"  => "Flat 3021 Manama Bahrain",
    "city"             => "Manama",
    "state"            => "Manama",
    "postal_code"      => "12345",
    "country"          => "BHR",
    "shipping_first_name" => "John",
    "shipping_last_name" => "Doe",
    "address_shipping" => "Flat 3021 Manama Bahrain",
    "state_shipping"   => "Manama",
    "city_shipping"    => "Manama",
    "postal_code_shipping" => "1234",
    "country_shipping" => "BHR",
    "msg_lang"         => "English",
    "cms_with_version" => "WordPress4.0-WooCommerce2.3.9"
)); ?>
```


Note: \$pt represents your own class name and IS NOT any class library provided by PayTabs. It is used here just to illustrate the example.

The following figures illustrate how the variables will show up in the invoice and the paypage:

The screenshot displays the PayTabs interface. At the top, a green bar contains the text "Pay Pages". Below this is a table with the following columns: ID, Invoice ID, Ref. No, To, Currency, Amount, Email, Date & Time, Status, and Actions. The first row of data shows: 63, INV-87979, ABC-123, John Doe, BHD, 125.959, johndoe@example.com, 19-08-2015 10:27:12, Not Paid, and an Actions dropdown with a "DO" button.

Below the table, a detailed invoice for "My eStore" is shown. The invoice includes the store's address (Bldg102, Road 1574, Manama, Bahrain), contact information, and a "Bill To" section for John Doe. A table of products is listed with columns: Description, Quantity, Unit Price, and Amount. The products are MobilePhone (2 units, BHD 12.123 each, total BHD 24.246), Charger (3 units, BHD 21.345 each, total BHD 64.035), and Camera (1 unit, BHD 35.678, total BHD 35.678). Below the products table, there is a section for "Other Charges" (BHD 12.123), a "Sub Total" (BHD 136.082), a "Discount" (BHD 10.123), and a final "Total" (BHD 125.959). The invoice also includes "Terms & Conditions" and logos for VISA and MasterCard.

Red arrows indicate the mapping of variables to fields in the interface:

- `reference_no` points to the "Ref. No" column in the table and the "Invoice Number" field in the invoice.
- `title` points to the "To" column in the table and the "My eStore" header in the invoice.
- `currency` points to the "Currency" column in the table and the "Unit Price" column in the products table.
- `email` points to the "Email" column in the table and the "Email" field in the "Bill To" section.
- `quantity` points to the "Quantity" column in the products table.
- `unit_price` points to the "Unit Price" column in the products table.
- `Products_per_title` points to the "Description" column in the products table.
- `other_charges` points to the "Other Charges" field in the invoice summary.
- `amount` points to the "Amount" column in the table and the "Sub Total" field in the invoice summary.
- `discount` points to the "Discount" field in the invoice summary.
- `amount-discount` points to the "Total" field in the invoice summary.

My Store

BHD

USD

125.959

335.55

View

Card Number

CVV

Expiration Date MM/YY

Edit Personal Information
Edit Billing Information

cc_first_nameJohn

cc_last_nameDoe

cc_phone_number00973123123123456

emailjohndoe@example.com

Billing Address

billing_addressFlat 3021 Manama Bahrain

cityManama

stateManama

postal_code00973

countryBahrain

☐
 Uncheck if shipping address is different from billing address.

Shipping Address

address_shippingFlat 3021 Manama Bahrain

state_shippingManama

city_shippingManama

postal_code_shipping00973

country_shippingBahrain

Pay Now

5 Create Recurring Payments

This method will give you the option to create recurring payments (i.e: installments, through the API. It the same method as create_pay_page, you will need to post additional parameters, to set it as recurring payments and pass all the required information to create the recurrence. This will result in creating a normal paypage, where the customer has to do and authorize the first payment then all the remaining payments for this invoice will be automated by the system based on the frequency you set.

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

5.1 Request

You need to pass all the same parameters used for create pay page, in addition to the following elements:

<i>Element</i>	<i>Description</i>	<i>Format</i>
is_recurrence_payments	<u>Optional</u> Mention TRUE	String E.g.: TRUE
recurrence_start_date	<u>Optional</u> Start date on which this recurrence should start with the format dd/mm/yy. Date must be a future date.	String E.g.: 24/04/2015
recurrence_frequency	<u>Optional</u> Frequency is how many times you want to bill your customer. Maximum number of allowed recurrences is 24	String E.g.: 4, 9
recurrence_billing_cycle	<u>Optional</u> What billing cycle you are going to use	String E.g.: monthly , weekly, daily, yearly

5.2 Response

<i>Element</i>	<i>Description</i>	<i>Format</i>
----------------	--------------------	---------------

result	The string representation for result about the supplied data	String E.g.: <i>Pay Page is created. User must go to the page to complete the payment.</i>
response_code	The response code of the processor, if the parameters are accepted.	String 4 characters E.g.: 4002
p_id	PayPage ID	String E.g.: 123
payment_url	The URL for the payment	String E.g.: <i>http://www.paytabs.com/pay/page/345</i>

5.3 Response Codes

Code	Description
4012	PayPage created successfully
4404	You don't have permissions to create an Invoice
4001	Variable not found
4002	Invalid Credentials.
4007	'currency' code used is invalid. Only 3 character ISO currency codes are valid.
4008	Your SITE URL is not matching with your profile URL
4013	Your 'amount' post variable should be between 0.27 and 5000.00 USD
4014	Products titles, Prices, quantity are not matching
4094	Your total amount is not matching with the sum of unit price amounts per quantity

6 Create Tokenization Profile for Customers

This method will give you the option to create tokenization profiles to save credit card information for returning customers to your website, It the same method as `create_pay_page` but you will need to post additional parameters, to set it as recurring payments and pass all the required information to create the recurrence. This will result in creating a normal paypage, where the customer has to do and authorize the first payment then all the remaining payments for this invoice will be automated by the system based on the frequency you set.

PATH	<code>https://www.paytabs.com/apiv2/create_pay_page</code>
REQUEST METHOD	POST
PRODUCTION	LIVE

6.1 Request

You need to pass all the same parameters used for create pay page, in addition to the following elements:

<i>Element</i>	<i>Description</i>	<i>Format</i>
<code>is_tokenization</code>	<u>Optional</u> Set this value as true if you wish to create tokenization profile for customer or use an existing token	String E.g.: TRUE , FALSE
<code>is_existing_customer</code>	<u>Optional</u> False: If you want to create an existing token True: If you want to use an existing token for a returning customer	String E.g.: TRUE, FALSE
<code>pt_token</code>	<u>Optional</u> This pt_token is received in the API post response after completing the payment; it will be redirected to return_url. While returning back to that URL, it will send a POST request to that page	String E.g.: R7ANsPK1q91fv5Q0bmQ3

pt_customer_email	<u>Optional</u> The customer email linked to the tokenization profile used, by default when the profile is created at the first successful payment, it will use customer_email value sent in the API to link it to the token	String E.g.: <i>customer@domain.com</i>
pt_customer_password	<u>Optional</u> This pt_customer_password is received in the API post response after completing the payment; it will be redirected to return_url. While returning back to that URL, it will send a POST request to that page.	String E.g.: 1q91fv5QOb

6.2 Response

<i>Element</i>	<i>Description</i>	<i>Format</i>
result	The string representation for result about the supplied data	String E.g.: <i>Pay Page is created. User must go to the page to complete the payment.</i>
response_code	The response code of the processor, if the parameters are accepted.	String 4 characters E.g.: 4002
p_id	PayPage ID	String E.g.: 123
payment_url	The URL for the payment	String E.g.: <i>http://www.paytabs.com/pay/page/345</i>

6.3 Response Codes

<i>Code</i>	<i>Description</i>
4012	PayPage created successfully

4404	You don't have permissions to create an Invoice
4001	Variable not found
4002	Invalid Credentials.
4007	'currency' code used is invalid. Only 3 character ISO currency codes are valid.
4008	Your SITE URL is not matching with your profile URL
4013	Your 'amount' post variable should be between 0.27 and 5000.00 USD
4014	Products titles, Prices, quantity are not matching
4094	Your total amount is not matching with the sum of unit price amounts per quantity

7 Verify Payment

This method verifies the result of the payment. When you create a PayPage, you will receive p_id in the response. When the customer completes a payment and is referred back to your website, there is a payment_reference that is sent with a POST method. The payment_reference is used to verify the status of the payment whether it is a successful transaction or a failed transaction. Additionally, you can compare the payment_reference and the p_id, in order to match the payment with its respective PayPage.

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

7.1 Request

<i>Element</i>	<i>Description</i>	<i>Format</i>
merchant_email	<u>Required</u> Merchant email that you use to sign up and/or login into PayTabs Merchant Dashboard	String Up to 128 characters E.g.: foof@foo.com
secret_key	<u>Required</u> SECRET Key generated by merchant dashboard	String Up to 128 characters E.g.: Mao8sdhasfyahosdap9sd
payment_reference	<u>Required</u> This is the p_id that is returned in the response of create paypage when the page is created successfully.	String Up to 64 characters E.g.: t2938yh202tu0

7.2 Response

<i>Element</i>	<i>Description</i>	<i>Format</i>
result	The string representation for result, whether transaction has succeeded or failed and the reason why your transaction failed.	String E.g.: <i>Payment is completed.</i>
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.: <i>4002</i>
pt_invoice_id	The invoice/paypage ID of the transaction.	String Up to 12 characters E.g.: <i>90094</i>
amount	The transaction amount.	Decimal Up to 3 Decimal places E.g.: <i>123.399</i>
currency	The currency of the transaction amount.	String 3 character ISO country code E.g.: <i>BHR</i>
transaction_id	The ID of the latest transaction that occurred for this invoice	String Up to 12 characters E.g.: <i>90094</i>

7.3 Response Codes

<i>Error Code</i>	<i>Description</i>
4001	Missing parameters
4002	Invalid Credentials
0404	You don't have permissions
4091	There are no transactions available.
100	Payment is completed.
481	This transaction may be suspicious. If this transaction is genuine, please contact PayTabs customer service to enquire about the

feasibility of processing this transaction.

The Complete list of response codes can be found in Merchant Dashboard > Help > Reason Codes

7.4 Example

```
<?php
```

```
function verify_payment($merchant_email, $secret_key, $payment_reference)
{
    $values['merchant_email']    = $merchant_email;
    $values['secret_key']        = $secret_key;
    $values['payment_reference'] = $payment_reference;
    return json_decode(mypostdatafunction("https://www.pay-
tabs.com/apiv2/verify_payment", $values));
}
```

```
?>
```

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 contain the number of transactions that will be posted.

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

8.1 Request

<i>Element</i>	<i>Description</i>	<i>Format</i>
merchant_email	<u>Required</u> Merchant email id	String E.g.: <i>foo@foo.com</i>
secret_key	<u>Required</u> Secret Key is generated from merchant Dashboard.	String E.g.: <i>Mao8sdhasfyahosdap9sd</i>
startdate	<u>Required</u> Start Date Format should be dd-mm-yy.	String E.g.: <i>13-01-2015</i>
enddate	<u>Required</u> End Date Format should be dd-mm-yy.	String E.g.: <i>13-01-2015</i>

8.2 Response

<i>Element</i>	<i>Description</i>	<i>Format</i>
Response_code	Response code of the API call	String E.g.: 4001, 4090, 4091
transaction_count	Total number of transactions.	String E.g.: 23

8.3 Error Codes

<i>Error Code</i>	<i>Description</i>
4001	Missing parameters
4002	Invalid Credentials
4090	Data Found
4091	No Data

9 REST API Call Behavior

Once the API Call for creating pay page is called and the customer is redirected to the pay page, after completing the payment, it will be redirected to return_url. While returning back to that URL, it will send a POST request to that page explained as below:

<i>Element</i>	<i>Description</i>	<i>Format</i>
payment_reference	<u>Required</u> This is a payment reference that is sent with a POST call when the customer is returned from payment page.	String Up to 64 characters E.g.: <i>t2938yh202tu0</i>

Now you have three key values to see the status of the payment:

1. **merchant_email:** Merchant email from which you are trying to login into paytabs system
2. **secret_key :** SECRET Key generated by merchant dashboard
3. **payment_reference:** that is sent as a POST request when customer is redirected back to the merchant website. These two parameters can provide you details about the payment if sent to verify_payment. Payment can be verified and the order status can be set accordingly in shopping carts. This is the same value as pt_invoice_id returned in the response of verify payment and p_id returned at the response of create pay page, which the unique value of the created pay page id.

10 Response & Codes

The following table describes all the response code and error codes which may appear when working with the API.

10.1 Response Codes

Code	Description
100	Payment is completed.
4000	Authentication Successfully
4001	Missing Parameters
4002	Invalid Credentials
4004	Invalid Transaction ID
4006	Your time interval should be less than 60 days.
4007	'currency' code used is invalid. Only 3 character ISO currency codes are valid.
4008	Your SITE URL is not matching with your profile URL
4009	Error on merchant data not found
4010	Data found
4011	No data found
4012	PayPage created successfully
4013	Your 'amount' post variable should be between 0.27 and 5000.00 USD
4014	Products titles, Prices, quantity are not matching
4094	Your total amount is not matching with the sum of unit price amounts per quantity
4404	You don't have permission for this action. Your account status is "Status"
4090	Zero transactions
4091	Transactions found

11 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	Description	CVV	Expiry Date
4111111111111111	Without authentication window	1234	01/2018
4000000000000002	With authentication window	1234	01/2018
4000000000000127	Card enrollment option during purchase process	1234	01/2018
5200000000000007	With authentication window	1234	01/2018
5200000000000114	Without authentication window	1234	01/2018
5200000000000122	Card enrollment option during purchase process	1234	01/2018

12 Example

// Function to Create PayPage

```
function my_function_to_create_paypage ($values)
{
    $values['merchant_email']      = "mymerchantaccount@gmail.com";
    $values['secret_key']          = "xxUNlIJdJASLIQx0zh3Yh1B0a9";
    $values['site_url']            = "http://www.mysite.com ";
    $values['return_url']          = "http://www.mysite.com/paycomplete";
    $values['title']               = "Order No 1223";
    $values['cc_first_name']       = "John";
    $values['cc_last_name']        = "Doe";
    $values['cc_phone_number']     = "00971";
    $values['phone_number']        = "39882135";
    $values['email']               = "customer@domain.com";
    $values['products_per_title']  = "Mobile || Charger || Camera";
    $values['unit_price']          = "21.199 || 22.100 || 12.300";
    $values['quantity']           = "1 || 2 || 1 ";
    $values['other_charges']       = "12.1";
    $values['amount']              = "234.699";
    $values['discount']            = "34.699";
    $values['reference_no']        = "ABC-5542";
    $values['currency']            = "BHD";
    $values['ip_customer']         = "1.1.1.0";
    $values['ip_merchant']         = "127.168.1.0";
    $values['billing_address']     = "Flat 3021 Manama Bahrain";
    $values['state']               = "Manama";
    $values['city']                = "Manama";
    $values['postal_code']         = "12345";
    $values['country']             = "BHR";
    $values['shipping_first_name'] = "John";
    $values['shipping_last_name']  = "Doe";
    $values['address_shipping']    = "Flat 3021 Manama Bahrain";
    $values['state_shipping']      = "Manama";
    $values['city_shipping']       = "Manama";
    $values['postal_code_shipping'] = "12345";
    $values['country_shipping']    = "BHR";
    $values['msg_lang']            = "English";
}
```




```
    return json_decode($this->my_function_to_post_data(PAYPAGE_URL,
$values));
}

// Create your own function to post the data to PayTabs.
function my_function_to_post_data($url, $fields)
{
    // Send Data to PayTabs
    // Here you need to write a function to send the data prepared
    // in the previous function to PayTabs via cURL or any other
    // method.
}

}

?>
```



13 Frequently Asked Questions

Q1. How can I use the API? Where are the library files?

You do not require any library files for API Integration. You will find all the information required for API Integration within the [API Documentation](#).

Q2. 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.

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”.



API Integration Guide – [Version 2.4](#)

<https://www.paytabs.com>