



Pre-authorization and Capture API Integration Guide

INTEGRATION GUIDE
VERSION 1.0

Table of Contents

1. Overview	6
1.1 Test Merchant Account v/s Live Merchant Account	6
1.2 Target Audience	6
1.3 Assistance.....	7
1.4 PayPage Process Flow Diagram	7
1.5 Documentation Feedback	7
2. Getting started.....	8
2.1 Web Service URLs	9
2.2 Definitions	9
3. Validate Secret Key	10
3.1 Request	10
3.2 Response.....	11
3.3 Response Codes.....	11
4. Create Pay Page	12
4.1 Request	12
4.2 Response Parameters.....	16
4.3 Response Codes.....	16
4.4 Sample Response	17
4.4.1 For Successful PayPage Creation	17
4.4.2 For Failed PayPage Creation	17
4.5 Example	18
5. Verify Payment	21
5.1 Request	21
5.2 Response.....	22
5.3 Response Codes.....	22
5.4 Payment Statuses	23
5.5 Sample Response	Error! Bookmark not defined.
5.5.1 Sample Response for Successful Payment	Error! Bookmark not defined.
5.5.2 Sample Response for Rejected Payment	Error! Bookmark not defined.
5.5.3 Sample Response for Cancelled Payment.....	Error! Bookmark not defined.
5.6 Example	24
6. Refund Transactions.....	25
6.1 Request	26
6.2 Response.....	27

6.3	Response Codess.....	27
7.	PayTabs IPN (Instant Payment Notification)	29
7.1	How IPN Works	29
7.2	Set up your IPN Listener	29
7.3	IPN Events	30
7.4	Contents / Data of the IPN response	30
7.4.1	Contents / Data of the IPN response for approved and rejected payment	Error! Bookmark not defined.
7.4.2	Contents / Data of the IPN response for force accepted payment.....	Error! Bookmark not defined.
7.4.3	Contents / Data of the IPN response for refunded payment	Error! Bookmark not defined.
7.5	Response Codes.....	34
7.6	Sample IPN responses.....	35
7.6.1	IPN sample response for successful API transactions	35
7.6.2	IPN sample response for rejected API transactions.....	35
7.6.3	IPN sample response for force accepted transactions..	Error! Bookmark not defined.
7.6.4	IPN sample response for refunded transactions	35
7.7	Secure Sign.....	36
8.	Transactions Reports	38
8.1	Request	38
8.2	Response.....	38
8.3	Response Codes.....	40
8.4	Sample Response	41
9.	REST API Call Behavior	41
10.	Test Credit Card Numbers	43
11.	Example	44
12.	Frequently Asked Questions.....	46
	FAQ-Instant Payment Notifications (IPN)	52

Revision History

Version	Description of Change	Date
1.0	- New Document	21/11/2013
1.1	- Added Architecture Diagram & return_url in create PayPage	24/11/2013
1.2	- Added Definitions of Terms	25/11/2013
1.3	- Added Test Cards	27/11/2013
1.4	- Added Error Code 0006 for invalid country	07/01/2014
1.5	- Added MDD (Merchant Defined Data) structure in the calls	29/01/2014
1.6	- Updated Response Code	22/06/2014
1.7	- Removed All Staging Links - Removed Service Calls section - Removed Prepare Transaction API	26/07/2014
1.8	- Added API Key in subsequent API calls to authenticate requests - Added discount and Currency Fields - Added Reference Number added create PayPage - Transaction Logs API removed - Inventory API removed - Complete Transaction API removed. - Added Examples for each call - Added full Example for API - Change of Format of Documentation - Added Test Account v/s Live Account description - Added support email address - Added updated technical Architecture Diagram - Added msg_lang to create PayPage to set language - Removed User Roles	27/08/2014
1.9	- Added constraint of 9 characters for Postcode - Changed "description" in PayPage to "products_per_title" - Added a note in create PayPage example. - Improved Section Numbering	24/09/2014
2.0	- Changed all API Calls from paytabs.co to paytabs.com - Changed example to include spaces between separators - Added note to include spaces between separators - Added comments to the example code and note for test cards - Unused Response Code 1 and 3 removed from document. - Added Comment for successful transaction response code - Corrected merchant_password variable in example code - Changed description variable to product_per_title in example - Supported Platforms included - Code Syntax Highlighted	05/01/2015

2.1	Version Upgrade <ul style="list-style-type: none"> - Authentication/validation using secret key instead of password. - Removed authentication API Call. - API Call URLs changed. - Combined error/success codes into response codes. - Added new response codes. - Added New API Call for transaction reports - Added Documentation Feedback email address - Changes in Sample Code - Added section "Troubleshoot your Installation" - Changed the format of Documentation - Added "site_url" in create PayPage API. - Added "cc_phone_number" : country code in create PayPage API - Removed variables ChannelofOperations, & ProductCategory, - Removed variables ProductName, & ShippingMethod - Removed variable DeliveryType, CustomerId - Added cms_with_version parameter in create PayPage API - Sample Codes updated. - Removed Validate API Key. - Removed Security Tip - Added Other Charges in Create PayPage API - Verify payment modified to return more values 	07/07/2015
2.2	<ul style="list-style-type: none"> - Updated Response codes of Verify Payment - Updated Complete Response codes Tables - Added Illustrations of how variables will appear on Invoice & PayPage - Added FAO section 	19/08/2015
2.3	<ul style="list-style-type: none"> - Updated Create API description 	13/09/2015
2.4	<ul style="list-style-type: none"> - Added shipping_first_name parameter in create PayPage API. - Added shipping_last_name parameter in create PayPage API. 	17/11/2015
2.5	<ul style="list-style-type: none"> - Added PayPage process flow diagram - Updated Create PayPage validations 	03/03/2016
2.6	<ul style="list-style-type: none"> - Updated Transaction Reports API - Added IPN section - Added API for Refunding Transactions - Added two additional FAQ (6, 7) - Added Refund transaction API, in API summary list 	28/03/2016
2.7	<ul style="list-style-type: none"> - Added reference_no in verify payment response 	11/04/2016
2.8	<ul style="list-style-type: none"> - Changed Max characters for product name to 175 characters - Added Additional FAQSs 	12/05/2016
2.9	<ul style="list-style-type: none"> - Added Sample Responses for Create PayPage and Verify Payment & IPN - Updating Content of IPNs 	06/04/2017
3.0	<ul style="list-style-type: none"> - Updated FAQ for API - Added new FAQs for IPN 	28/06/2017
3.1	<ul style="list-style-type: none"> - Add transaction_id as optional parameter in Refund API - Add Paypage_id as mandatory parameter in Refund API 	28/08/2017
3.2	<ul style="list-style-type: none"> - Added New Refund API response for successful refund processed - Added New IPN response for rejected refund request 	04/06/2018

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.

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.

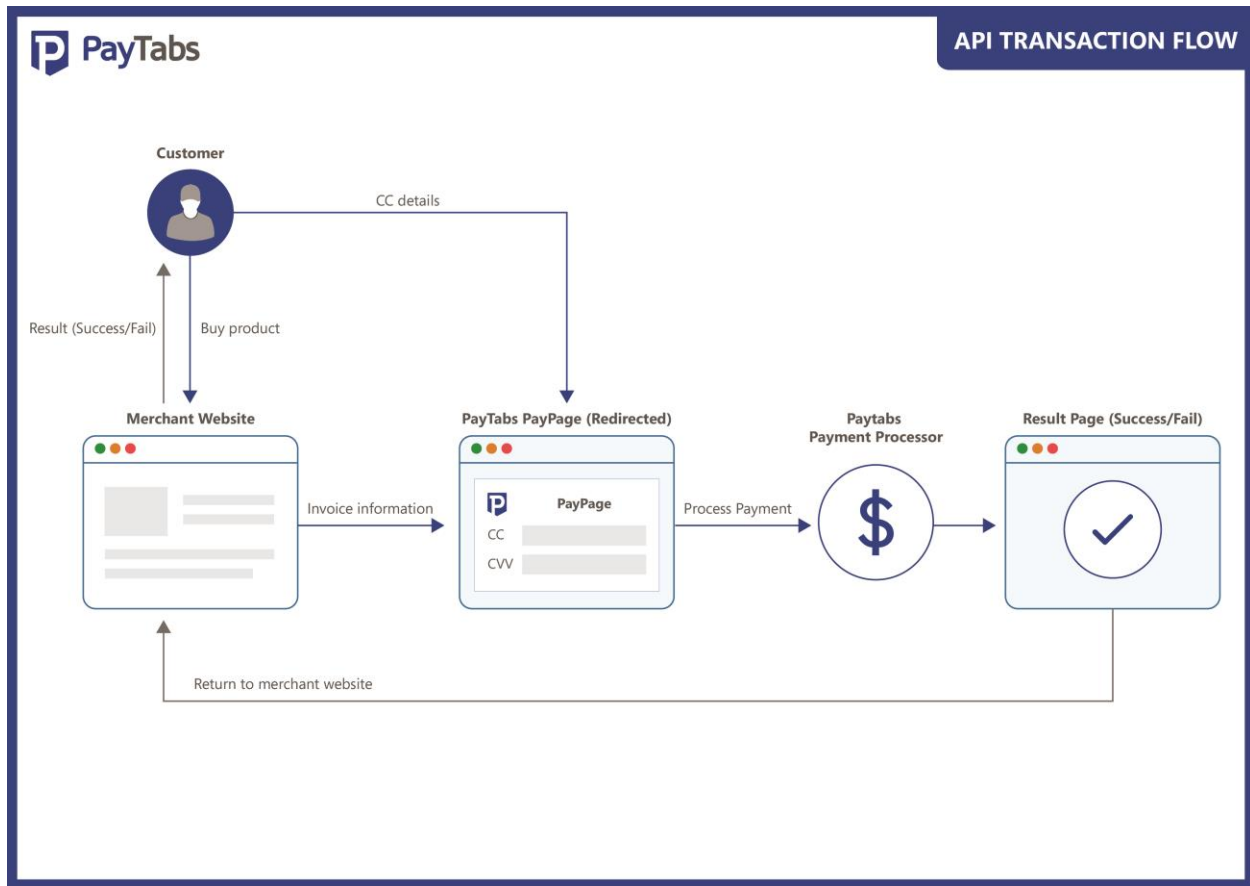
This API supports PHP, .NET and Java platforms.

To receive a sample code kindly contact us at support@paytabs.com and mentions you PayTabs Merchant ID and Platform used.

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 PayPage Process Flow Diagram



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	Refund Transactions	https://www.paytabs.com/apiv2/refund_process
5	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

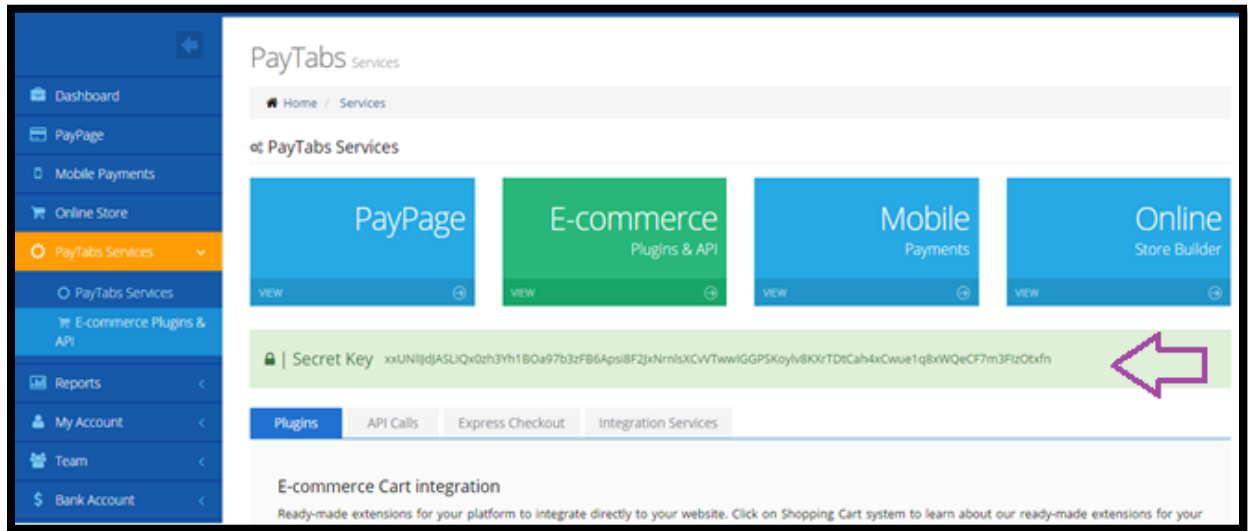
The following are some of the terms that are used in this document and their respective definitions.

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.: Mao8sdhasfyahosdap9sd

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.x 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

is_preauth	1 in order to authorize the transaction only without settling it	Boolean 1 to enable pre-auth feature
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 Minimum 3 numbers up to 6 numbers E.g.: <i>00973</i>
phone_number	<u>Required</u> Phone Number of the Customer	String Minimum 6 numbers up to 32 numbers 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 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.	String 175 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. 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.	String 256 characters E.g.: <i>1 2 3</i>
other_charges	<u>Required</u> Additional charges. e.g.: shipping charges, taxes, VATs, etc.	Float 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	Float Up to 3 Decimal places E.g.: 123.399
discount	<u>Required</u> Discount of the transaction The Total amount of the invoice will be= amount - discount	Float Up to 3 Decimal places E.g.: 123.399
currency	<u>Required</u> Currency of the amount stated. 3 character ISO currency code	String E.g.: BHD
reference_no	<u>Required</u> Invoice reference number	String 40 characters E.g.: Abc-5566
ip_customer	<u>Required</u> The client IP with which the order is placed.	String 16 characters E.g.: 123.123.12.2
ip_merchant	<u>Required</u> Server IP where the order is coming from	String 16 characters E.g.: 11.11.22.22
billing_address	<u>Required</u> Complete Address of the customer. Multiple address lines will be merged into one single line.	String 40 characters E.g.: Flat 11 Building 222 Block 333 Road 444 Manama Bahrain
state ***	<u>Required</u> Billing State (part of the address) entered by the customer	String 32 characters E.g.: Manama 2 characters for US and Canada E.g.: if state is NewYork then the state field should be NY
city	<u>Required</u> Name of the billing city selected by customer	String 13 characters E.g.: Manama
postal_code	<u>Required</u> Billing Postal code provided by the customer	String From 5 to 9 characters E.g.: 12345

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	String 32 characters E.g.: <i>John</i>
address_shipping**	<u>Required</u> Shipping address of the customer	String 40 characters E.g.: <i>Flat abc road 123</i>
city_shipping	<u>Required</u> Shipping City of the customer	String 13 characters E.g.: <i>Manama</i>
state_shipping ***	<u>Required</u> Shipping State of the customer	String 32 characters E.g.: <i>Manama</i> 2 characters for US and Canada E.g.: if state is NewYork then the state field should be NY
postal_code_shipping	<u>Required</u> Shipping postal code of the customer	String From 5 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.

4.2 Response Parameters

<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.: <i>4002</i>
p_id	PayPage ID	String E.g.: <i>123</i>
payment_url	The URL for the payment	String E.g.: <i>http://www.paytabs.com/pay/page/345</i>

4.3 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

4.4 Sample Response

4.4.1 For Successful PayPage Creation

If all the parameters are passed correctly to the API, you should receive the following json response from the API call. You should parse it and then redirect your customer to the PayPage URL that you received in the response.

```
{"result":"The Pay Page is  
created.","response_code":"4012","payment_url":"https://www.paytabs.com/18jaGy6C  
q8XHS58ES5kjBYrQeBBvu_hA8r0SMK3Kn0FsleA/9rGRAb3mmc3HvjWQxemouhe5JS5Si8  
yXgva4pToaNB3ipbl/dd8aYZIyhEs5cINluO0W7C5IZtrTL6y_N7HfVmduGqz87S0/3XMJo  
2zsUaLuFKk4U2pXV77izjYug4BhFuuk7zQJK02PDTC2YDV86BUNrADYocpEr7QMEqWXM  
MBC4HMcBcHdX-4qaQ","p_id":326528}
```

4.4.2 For Failed PayPage Creation

In case there is an issue in the parameters you are passing to the API, you will receive a similar response, which describes the reason for not creating the paypage in the result variable.

```
{"result":"Your SITE URL is not matching with your profile URL", "response_code":"4008",  
"payment_url":""}
```

4.5 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",
    "products_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:

reference_no
title
currency
email

Pay Pages
< > ✓

ID	Invoice ID	Ref. No	To	Currency	Amount	Email	Date & Time	Status	Actions
63	INV-87979	ABC-123	John Doe	BHD	125.959	johndoe@example.com	19-08-2015 10:27:12	Not Paid	<div style="display: flex; align-items: center; justify-content: center;"> Actions ▾ DO </div>

Products_per_title

My eStore
 Bldg102, Road 1574
 Manama
 Bahrain
 Customer Service Contact No:
 Customer Service Email Address:

INVOICE

Invoice Number **INV-87979**
 Invoice Date 19/08/2015 10:27 AM

Bill To:
 John Doe
 Email: johndoe@example.com

Description	Quantity	Unit Price	Amount
MobilePhone	2	BHD 12.123	BHD 24.246
Charger	3	BHD 21.345	BHD 64.035
Camera	1	BHD 35.678	BHD 35.678

Other Charges:

Sub Total:

Discount:

Total:

BHD 12.123

BHD 136.082

BHD 10.123

BHD 125.959

Terms & Conditions

quantity

unit_price

other_charges

amount

discount

amount-discount

My Store

BHD

USD

125.959

335.55

[View](#)

Card Number

CVV

Expiration Date MM/YY

[Edit Personal Information](#)

[Edit Billing Information](#)

cc_first_name

John

cc_last_name

Doe

cc_phone_number

00973

123123123456

phone_number

email

johndoe@example.com

Billing Address

billing_address

Flat 3021 Manama Bahrain

city

Manama

state

Manama

postal_code

00973

country

Bahrain

☐ Uncheck if shipping address is different from billing address.

Shipping Address

address_shipping

Flat 3021 Manama Bahrain

state_shipping

Manama

city_shipping

Manama

postal_code_shipping

00973

country_shipping

Bahrain

Pay Now

20 | Pre-authorization and Capture API Integration Guide

Version 1.0

5. 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

5.1 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

5.2 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.	Float 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>
reference_no	The same value posted in reference_no parameter in create pay page API	String 40 characters E.g.: <i>90094</i>

5.3 Response Codes

<i>Error Code</i>	<i>Description</i>
4001	Missing parameters
4002	Invalid Credentials
0404	You don't have permissions

400	There are no transactions available.
100	Payment is completed.
481 482	This transaction is under review and will be reversed based on your card issuing bank's policy, if its not approved within 24 hours
Any response code other than 100, 481, 482	Any other response than 100, 482, 481 means that the transaction has been rejected and the rejection reason is the description of the corresponding response code
** The Complete list of response codes can be found on the Merchant Dashboard > Help > Reason Codes.	

5.4 Payment Statuses

Each transaction at PayTabs can have one of the following statuses:

<i>Status</i>	<i>Description</i>	<i>Reason Code</i>
Payment Authorized	Payment is Authorized	111
Payment Rejected	Payment is rejected	Refer to Transaction Status section for a list of all reason codes
Authorization Fully Captured	Payment is authorized and the fully captured	113
Authorization Partially Captured	Partial amount of the authorized amount is captured (i.e: This transaction can be captured again using capture API till the full amount is captured)	112
Authorization Expired	Authorization is expired because the authorization period is completed and the authorized amount will be released back to the card holder	114
Authorization Partially captured remaining expired	Partial amount of the authorized amount is captured, the remaining amount cannot be captured as the authorization period is complete and the remaining amount from authorization will be released back to the card holder	115
Authorization Fully reversed	The authorized amount is reversed and released back to the cardholder	116

5.5 Example

```
<?php

function verify_payment($merchant_email, $secret_key, $payment_refer-
ence)
{
    $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));
}

?>
```


6. Capture, Partial Capture or Void authorized transactions

PATH	https://www.paytabs.com/apiv3/release_capture_preauth
REQUEST METHOD	POST
PRODUCTION	LIVE

5.6 Request

<i>Element</i>	<i>Description</i>	<i>Format</i>
merchant_id	<u>Required</u> Merchant id from PayTabs Merchant Dashboard.	<i>String</i> E.g.: 10001XXX
secret_key	<u>Required</u> SECRET Key generated by merchant dashboard	<i>String</i> E.g.: Mao8sdhasfyahosdap9sd
transaction_id	<u>Required</u> The ID of the latest transaction that occurred for this invoice	<i>String</i> Up to 12 characters E.g.: 90094
capture_amount	<u>Optional</u> Pass the amount you want to capture, you can either pass the full authorized amount or a partial amount Pass this value as 0 in case you want to void the transaction Note: You can do multiple partial captures till the full amount is captured	<i>E.g.: 100</i>
void_amount	<u>Optional</u> Pass this value as 1 in case you want to reverse the authorized transaction	<i>E.g.: 1</i>

5.6.1 Response Parameters for Credit Card (Non 3DS) Transactions

<i>Element</i>	<i>Description</i>	<i>Format</i>
result	The String representation for result about the supplied data	<i>String</i> E.g.: Authorized
response_code	The response code of the processor, if the parameters are accepted.	<i>String</i> Min 3 characters E.g.: 100

5.6.2 Response Codes

<i>Code</i>	<i>Description</i>
112	Transaction has been partially captured (In case of Partial Capture or Full Capture)
113	Transaction has been fully captured
116	Transaction has been voided successfully

4004	The selected transaction can't be captured due to one of those reason: Transaction doesn't exist. Transaction was not marked as pre-auth. Transaction was not authorized. Transaction already captured.
4005	The requested amount is bigger than the transaction amount and or captured amount
4006	Please choose amount as 0 if you want to void the transaction
4007	Can't void this transaction because it has partial capture!
4010	Expired Authorization

7. 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

<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 can be found at merchant dashboard	String Up to 128 characters E.g.:
paypage_id	<u>Required</u> 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	<u>Optional</u> 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	<u>Required</u> 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	<u>Required</u> The reason for refunding the transaction	String Up to 256 Characters
transaction_id	<u>Optional</u> The transaction id of the successful payment that you wish to refund	String Up to 12 characters E.g.: 130017

6.2 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.: 4002

6.3 Response Codess

<i>Error Code</i>	<i>Description</i>
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 by integrating IPN

813	You are not authorized to view this transaction
------------	---

814	Refund is processed successfully
------------	----------------------------------

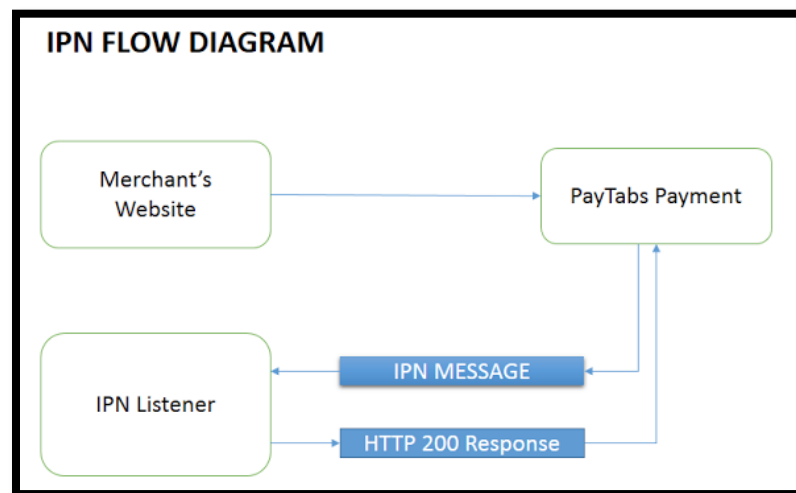
8. PayTabs IPN (Instant Payment Notification)

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.

The image shows a screenshot of the "IPN Listener" setup form in the PayTabs Merchant Account. The form includes the following fields and options:

- Paypage Currency:** A dropdown menu set to "USD".
- IPN Listener URL:** A text input field, highlighted with a red border.
- IPN Listener URL for Transactions Reports:** A text input field.
- Payment Timeout (Seconds):** A checkbox labeled "No Timeout" which is checked.
- Buttons:** "Submit" and "Cancel" buttons at the bottom.

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 response

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

1.1 Contents / Data of the IPN response

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

1.1.1 Contents / Data of the IPN response for rejected payment

<i>Element</i>	<i>Description</i>	<i>Format</i>
payment_type	The payment type of the transaction	String E.g: BENEFIT, SADAD, CREDIT CARD, KNPAY, AtFawry
transaction_id	PayTabs Transaction ID	String E.g.: 12345
shipping_address	Shipping address of the customer	String 64 characters E.g.: Flat abc road 123
shipping_city	Shipping City of the customer	String 32 characters E.g.: Manama
shipping_country	Shipping country of the customer	String 3 character ISO country code E.g.: BHR
shipping_state	Shipping State of the customer	String 32 characters E.g.: Manama
shipping_postalcode	Shipping postal code of the customer	String Up to 9 characters E.g.: 403129
transaction_amount	The transaction amounts.	Decimal Up to 3 Decimal places E.g.: 123.399

transaction_currency	Currency of the amount stated. 3-character ISO currency code	String E.g.: BHD
customer_phone	Phone number of the customer	String Minimum 6 numbers up to 32 numbers E.g.: 3312345678
customer_name	Name of the Customer	String 32 characters E.g.: Title of Transaction
customer_full_name	This the same value as cc_first_name + cc_last_name posted in do_transaction API call	String E.g.: John Doe
customer_email	Email of the customer	String 32 characters E.g.: customer@domain.co
response_code	The value that determines the status of the transaction (i.e: rejected or successful)	String Up to 4 characters E.g.: For Authorised = 111, For Rejected = 5000
detail	The string representation for result, whether transaction has succeeded or failed and the reason why your transaction	String E.g.: <i>Transaction has been Successful</i> <i>Transaction has been Rejected</i>
transaction_response_code	The response code for the transaction which provides the rejection reason for any transaction. A full list of transactions reasons codes and their description can be found at section Transaction	String E.g.: 202
order_id	Merchant's Website order ID, this the same as order_id value posted in do_transaction API call	String Up to 12 characters E.g.: 90094
first_4_digits	The first 4 digits of the credit card number used in the transaction.	String E.g.: 5387
last_4_digits	The last 4 digits of the credit card number used in the transaction.	String E.g.: 6908

card_brand	The card brand of the credit card used in the transaction.	String E.g.: MasterCard
datetime	Date and time of the transaction	String E.g: 24-04-2017 04:26:24 PM

1.1.2 Contents / Data of the IPN response for authorized payment

<i>Element</i>	<i>Description</i>	<i>Format</i>
transaction_id	PayTabs Transaction ID	String E.g.: 12345
shipping_address	Shipping address of the customer	String 64 characters E.g.: Flat abc road 123
shipping_city	Shipping City of the customer	String 32 characters E.g.: Manama
shipping_country	Shipping country of the customer	String 3 character ISO country code E.g.: BHR
shipping_state	Shipping State of the customer	String 32 characters E.g.: Manama
shipping_postalcode	Shipping postal code of the customer	String Up to 9 characters E.g.: 403129
transaction_amount	The transaction amounts.	Decimal Up to 3 Decimal places E.g.: 123.200
transaction_currency	Currency of the amount stated. 3-character ISO currency code	String E.g.: BHD
customer_phone	Phone number of the customer	String Minimum 6 numbers up to 32 numbers E.g.: 2212245670
customer_name	Name of the Customer	String 32 characters E.g.: Title of Transaction
customer_full_name	This the same value as cc_first_name + cc_last_name posted in do_transaction API call	String E.g.: John Doe
customer_email	Email of the customer	String 32 characters E.g.: customer@domain.co

response_code	The value that determines the status of the transaction	String Up to 4 characters E.g.: For authorized payment = 111
detail	The string representation for result.	String E.g.: <i>Transaction has been authorized</i>
transaction_response_code	The value that determines the status of the transaction	String E.g.: 111
order_id	Merchant's Website order ID, this the same as order_id value posted in do_transaction API call	String Up to 12 characters E.g.: 90094
first_4_digits	The first 4 digits of the credit card number used in the transaction.	String E.g.: 5387
last_4_digits	The last 4 digits of the credit card number used in the transaction.	String E.g.: 6908
card_brand	The card brand of the credit card used in the transaction.	String E.g.: MasterCard

1.1.3 Contents / Data of the IPN response for refunded payment

<i>Element</i>	<i>Description</i>	<i>Format</i>
transaction_id	PayTabs Transaction ID	String E.g.: 12345
order_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
response_code	The response code that determines the status of the transaction (i.e: Refunded, Refund Rejected)	String Up to 4 characters E.g.: 5003, 5004
detail	The string representation for result, whether the refund request was approved or rejected	String E.g.: <i>Transaction has been Refunded</i>
customer_name	Name of the Customer	String 32 characters E.g.: John

customer_email	Email of the customer	String 32 characters E.g.:customer@domain.com
customer_phone	Phone number of the customer	String Minimum 6 numbers up to 32 numbers E.g.: 3312345678
transaction_amount	The transaction amounts.	Decimal Up to 3 Decimal places E.g.: 123.399
transaction_currency	Currency of the amount stated. 3-character ISO currency code	String E.g.: BHD
*first_4_digits	The first 4 digits of the credit card number used in the transaction.	String E.g.: 5387
*last_4_digits	The last 4 digits of the credit card number used in the transaction.	String E.g.: 6908
*card_brand	The card brand of the credit card used in the transaction.	String E.g.: MasterCard
refund_req_amount	Refunded amount for an approved refund request. This value is returned once a refund request for a transaction is approved	Decimal Up to 3 Decimal places E.g.: 123.399
refund_request_id	Request ID of the Refund	String Up to 12 characters E.g.: 20216

7.5 Response Codes

<i>Response Code</i>	<i>Description</i>
5000	Payment has been rejected
5001	Payment has been accepted successfully
5002	Payment has been forcefully accepted
5003	Payment has been refunded
5004	Your refund request has been rejected
111	Payment authorized

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 and refunded transactions.

7.6 Sample IPN responses

7.6.1 IPN sample response for authorized API transactions

Array

```
(
    [transaction_id] => 263061
    [shipping_address] => Flat abc road 123
    [shipping_city] => Manama
    [shipping_country] => BHR
    [shipping_state] => Manama
    [shipping_postalcode] => 00973
    [amount] => 3
    [currency] => SAR
    [phone_num] => 0097312345678
    [customer_name] => John DOE
    [email] => johndoe@email.com
    [response_code] => 111
    [detail] => Transaction has been authorized
    [reference_id] => ref_no-1234
    [invoice_id] => 297973
)
```

7.6.2 IPN sample response for rejected API transactions

Array

```
(
    [transaction_id] => 263061
    [shipping_address] => Flat abc road 123
    [shipping_city] => Manama
    [shipping_country] => BHR
    [shipping_state] => Manama
    [shipping_postalcode] => 00973
    [amount] => 3
    [currency] => SAR
    [phone_num] => 0097312345678
    [customer_name] => John DOE
    [email] => johndoe@email.com
    [response_code] => 5000
    [detail] => Transaction has been rejected
    [reference_id] => ref_no-1234
    [invoice_id] => 297973
)
```

7.6.3 IPN sample response for refunded transactions

Array

```
(
    [transaction_id] => 263076
    [order_id] => 25
    [response_code] => 5003
    [customer_name] => John Doe
    [customer_email] => john@email.com
    [transaction_amount] => 100.00
    [transaction_currency] => USD
    [customer_phone] => 973 123456
    [last_4_digits] => 1111
    [first_4_digits] => 4111
    [card_brand] => Visa
    [secure_sign] => 7ec0ac0890acbe33139efe989d32e97e061f93f4
    [refund_req_amount] => 50
)
```

7.7 Secure Sign

Secure sign is calculated based on the parameters sent in the response in order to verify the payment is coming from PayTabs. Merchant can calculate secure sign at their end and verify. This step is optional.

The following parameters are passed as an array to the function named **create_secure_hash()**.

- order_id
- response_code
- customer_name
- transaction_currency
- last_4_digits
- customer_email

The default secure sign key is '**secure@paytabs#@aes11%%**'. The merchant will be able to set their own key from the merchant dashboard > My Profile.

To use create the secure sign on your own, you can use the following code:

```

$params = array('order_id' => 123456,
                'response_code' => 100,
                'customer_name' => "name of customer",
                'transaction_currency' => "AED",
                'last_4_digits' => "0002",
                'customer_email' => "test@email.com"
                );

function create_secure_hash($params = array()) {
    $string = ""; // SHA phrase
    $shain_phrase = SECURE_SIGN_STRING; //By Default: secure@paytabs#@aes11%%
    ksort($params); // Sorting the params

    foreach ($params as $keys => $values)
    {
        $string .= strtoupper($keys) . '=' . $values . $shain_phrase;
        // Combining the field values in one string
    }

    // SHA Converting here
    $secure_sign = sha1($digest); // Converting the values to SHA1 format
    return $secure_sign;
}

```

9. 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/expressv2/transaction_reports/
REQUEST METHOD	POST
PRODUCTION	LIVE

8.1 Request

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

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
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.: AhjzbwSR8VsHlol4QVCEcgSegd Uxd
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 whether its partially captured or fully captured	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

<i>Response Code</i>	<i>Description</i>
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:

```
{
  "transaction_count": 2,
  "response_code": "4090",
  "details": [
    {
      "status": "Payment Approved",
      "response_code": "100",
      "transaction_id": "130044",
      "order_id": "1234567",
      "auth_code": "AhjzbwSR8Re008y6YqFo3AKfvJwhpLVUHyL4C7ekmW6QHFHigDAAxQ1z",
      "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": "AfvzbwSR8RcpB85hKYko3AKfvmhq1u1UHyL4C7ekmW6QHFHigDAA2gfW",
      "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"
    }
  ]
}
```

10. 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.

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	Card Type	Description	CVV	Expiry Date
4111111111111111	VISA	Without authentication window	123	05/25
4000000000000002	VISA	With authentication window (3D secure)	123	05/25
4000000000000127	VISA	Card enrollment option during purchase process	123	05/25
5200000000000007	MasterCard	With authentication window (3D secure)	123	05/25
5200000000000114	MasterCard	Without authentication window	123	05/25
5200000000000122	MasterCard	Card enrollment option during purchase process	123	05/25

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

1. 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 available at <https://www.paytabs.com/PayTabs-API-Documentation-V-2.1.pdf>

2. When we click “Pay Now”, does the client get redirected to PayTabs server to complete the payment or do I need to host it on my server?

The customer gets redirected to PayTabs page to processes the payment.

3. If the payment is done from your side, what is the link to redirect with our API values?

Once the payment is complete, the customer will be redirected to the URL that you specify in the API Call.

4. Why this message shows during payment:

"The information you have entered on this page will be sent over an insecure connection and could be read by a third party. Are you sure you want to send this information?"

This shows up when the merchant's website doesn't have SSL Certificate (https) installed. When the payment is attempted from payment page (which is https) and then gets redirected to the merchant's website (non-https), most browsers give this warning. It is just information that the user is moving from https to http. This will not show up once the merchant installs an SSL certificate on his/her website.

5. I am passing a valid amount, but my transaction amount is zero.

Ensure that your currency is a 3-character ISO Currency Code. Any other currency code will not be recognized by the system and thus result in a Zero Pay Page. Merchant needs to pass correct 3-character ISO codes to country and shipping_country fields. We have 4 parameters accepting 3-character ISO code:

For example, the ISO codes for United Arab Emirates (UAE) are:

country	: ARE
shipping_country	: ARE
currency	: AED
cc_phone_number	: 00971

6. I always get 0002 error message. Invalid Username / Password.

1. Ensure that your username and password are correct and using the right caps lock characters and digits. Trying logging into your PayTabs Merchant dashboard to double check this. If you are unable to log on to your PayTabs Merchant Dashboard, reset your password using the “forgot password” option and try again.
2. If you are able to login to your PayTabs Merchant Dashboard, yet are still facing an error while using the API, then make sure you are using a POST request method and not a GET request method.
7. Where can I get the payment_reference to cross check whether the payment was it successful or not?

When the customer has completed a payment and is referred back to your website, there is a payment_reference that is sent back via POST method. The payment_reference is used to verify the status of the payment whether it is a successful transaction or a failed transaction. In addition to that you can compare the payment_reference and the p_id, in order to match the payment with its respective PayPage.

8. When I call the Authentication method and get:
`{"access": "denied", "api_key": null, "error_code": "0001"}`

Make sure you are using the correct variables: merchant_email and secret_key

9. Is payment_reference (p_id) a unique ID?

Yes.

10. 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

11. I am getting this below code with URL for the payment, how can I use the response to redirect to the payment page from my website?

```
{"result": "The Pay Page is created.", "response_code": "4012",  
"payment_url": "https://www.paytabs.com/NXEXxM38pW4fFVbeorTNDWVGjng4cofU-0iu4VHnir8a8 ", "p_id": "94327"}
```

This is a normal json response from the API call. You should receive the response from the create PayPage API call, parse it and then redirect your customer to the PayPage URL that you received in the response. You can refer to the following URL for more assistance:
.NET: <http://stackoverflow.com/questions/28526144/json-return-type-from-api-call>
PHP: <http://php.net/manual/en/function.json-decode.php>

12. Is it mandatory to pass the correct customer IP?

IP information needs to be correct, else it may be tagged as rejected or fraudulent.

13. What is the difference between payment_reference, p_id and pt_invoice id?

These values are in fact the same and refer to the PayPage id that was created from the API call.

14. How can I get the product names from Verify Payment API & IPN response?

PayTabs does not send the product listing associated with the transaction in any of its responses. However, in order to correlate the products to the transaction_id, order_id or paypage_id, you can use any of the following methods:

Using verify payment API with order id:

We have included a parameter called "reference_no" in the "create_paypage" API call. This reference_no is a parameter where you can pass your internal order id while sending other payment information for processing. Once the transaction is complete, we have added a parameter "reference_no" in the "verify_payment" API call. PayTabs returns exactly the same "reference_no" that was passed in the "create_paypage" API call, in the response of verify payment.

The following is a sample response from "verify payment" API Call:

```
{
  "result": "The payment is completed successfully!",
  "response_code": "100",
  "pt_invoice_id": "1720634",
  "amount": 1.03,
  "currency": "AED",
  // This is your internal_order_id, which you have passed to create_pay_page API Call
  "reference_no": "210014577932337203",
  "transaction_id": "1525845"
}
```

Using Verify payment API with paypage id:

In addition to the above, you can also correlate the transaction response with your internal order id in the following way.

1. In the response of the create_paypage API call, you will receive a parameter called "p_id".
2. Save this against your internal_order_id in your database.
3. Once the Payment is complete, Use the "verify_payment" API call.

4. In the response of `verify_payment` API call, you will receive a parameter called "payment_reference". This is the `p_id` that is returned in the response of "create PayPage" API call.
5. Match the "payment_reference" with the "p_id" parameter that is saved in your database and you will correlate it to your `internal_order_id`.

Using IPN with paypage id:

In the IPN response, you can see the "reference_id" as one of the response parameters. This refers to your website's order ID. If you match up the reference_id to the order ID in your system, you will be able to get the products associated with this order from your system's database itself.

The following is a sample response from the IPN:

```
[transaction_id]    => 36353
[shipping_address] => ASDSASA
[shipping_city]     => RIYADH
[shipping_country] => BH
[shipping_state]    => RIYADH
[shipping_postalcode] => 65656
[amount]            => 500
[currency]          => USD
[phone_num]         => 32323232
[customer_name]     => AFIF JABADO
[email]             => afif@live.com
[response_code]     => 5001
[detail]            => Transaction has been Successful
[reference_id]      => 1231231
[invoice_id]        => 44015
```

15. In the payment Invoice how can we hide/remove the "Work Timing From To ".

You can't hide the Work Timings From/To. However, you can edit it from the PayTabs Merchant Dashboard or you can contact your account manager to do it on your behalf.

16. Is the p_id a unique value?

Yes, `p_id` is a unique value as it represents the unique id of each PayPage created through the API

17. There is support for PHP and .NET programming languages on PayTabs official website, do you support a JAVA version?

Our API supports Java as well. You can check our website for the sample code or contact your account manager.

18. Is the character coding set UTF-8 when API request to pass parameters?

Yes, UTF-8 is enabled.

19. My website is developed in Joomla, can I integrate with PayTabs using API?

Yes. Definitely.

20. If we directly call the connection of PAYTABS API through APP by our mobile terminal, how should we configure the rebound/redirect address?

Our API uses browser redirection. If you use the API, then you should have a browser compatible mobile app.

Alternatively, you can use the PayTabs SDK, which will return the transaction_id and transaction reason code (Successful, Rejected, and Closed).

21. Is HTTPS protocol mandatory for URL parameters (e.g. rebound/redirect address) related to the request of API?

Yes, HTTPS protocol is mandatory for URL parameters.

22. During the checkout, we collect the full name in one text field, but PayTabs has separate fields for first name and second name. Can we leave the second name blank?

Passing First Name and Last Name is Mandatory, so if you are collecting the full name from the customer, then you can separate the full name string and then pass to our API as first name and second name.

23. From the order page we are passing telephone information as +9715XXXXXXX format and PayTabs rejects it, as PayTabs already has a default +971. The resulting phone number is +971+9715XXXXXXX. How can we workaround this?

You would have to separate the international dialing code +971 and pass it separately to cc_phone_number variable in the create PayPage API and then pass the phone number separately to phone_number variable in the API.

24. My customer has not received my PayPage via email. I have tried multiple times. What do I do?

Very rarely, it has been noticed that the PayPage emails do not go through corporate email servers. This can be due to custom security filters that have been set for the entire corporate. You could send the PayPage emails to an alternate email address of the customer like Gmail or yahoo.

25. How many decimal places can I add in the create PayPage API Call?

You can send an amount with up to 3 decimal places. Any increase in the number of decimal places will result in the amount being round off to the nearest three decimal place amount. Therefore, the amount in verify API will also return a 3 decimal place value.

26. I have received an error as follows: “Error Notice: Undefined variable: ip_address in /Applications/XAMPP/xamppfiles/htdocs/paytab_test/paytabs.php on line 65. Warning: curl_setopt(): You must pass either an object or an array with the CURLOPT_HTTPHEADER argument in /Applications/XAMPP/xamppfiles/htdocs/paytab_test/paytabs.php on line65 {"result":"missing secret_key parameter","response_code":"4001"}”

This is an error probably caused due to testing on localhost. Kindly follow the steps below:

- print_r(\$_SERVER) to see his Server IP address
- If there is no IP Address received, you will need remove all the errors at your end. For further information/assistance you can visit the following link <http://php.net/manual/en/reserved.variables.server.php>

27. Do I require a SSL certificate on my website?

An SSL is not mandatory for your site when you use PayTabs services. That said, since you are accepting payments on your website; having an SSL certificate provides some assurance to your customers that you are trustworthy.

28. Do you have any solutions or set of classes built in for CodeIgniter Framework?

Our solution is based in PHP, so you can use it to integrate with CodeIgniter framework. We do not have any specific solution for CodeIgniter.

29. 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.

30. 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.

31. 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”.

32. I have a store that deals in multiple currencies. Does PayTabs support this?

Your PayTabs Merchant Account is associated with only one base currency. Any other currency can be displayed on your website against services/products, but the card holder will be charged as per the amount converted into the base currency.

33. I have multiple sub-domains on our website, however in the PayTabs Merchant Dashboard, I can only define one domain. How can I have the PayTabs integration work with multiple sub-domains?

Multiple sub-domains can be used with the PayTabs integration and will not cause any issues. Ensure that you state the main domain in the Merchant Profile Page and not any specific sub-domain. For example: <http://www.mystore.com> instead of <http://city.mystore.com>

34. I am getting the following error “Transaction Error: The currency is not a valid ISO-Certified currency. Please use 3 digit ISO-Certified currency code.” But my currency code is correct!” What’s the problem?

Check and confirm whether you are using the correct ISO Currency Code.

For example:

ISO Currency Code for Bahraini Dinar is BHD and not BD,
ISO Currency Code for Saudi Arabian Riyal is SAR and not SR.

Merchant needs to pass correct 3-character ISO codes to country and shipping_country fields. We have 4 parameters accepting 3-character ISO code:

For example, the ISO codes for United Arab Emirates (UAE) are:

country	: ARE
shipping_country	: ARE
currency	: AED
cc_phone_number	: 00971

[FAQ-Instant Payment Notifications \(IPN\)](#)

Q1. We would like to make integration to our ERP. When there is a Successful Payment, our ERP will automatically be updated.

In order to update your ERP systems, you can make use of our IPN Service. You can find the documentation here: <https://www.paytabs.com/IPN-User-Guide-V-1.1.pdf>

Q2. I have integrated the IPN, and I am not getting any response back. How can I fix this?

The IPN will only post back data once a complete transaction has been performed whether successful or rejected. You can try the following steps:

- Ensure that you have performed a complete transaction after integrating with the IPN.
- Verify that you are posting to and checking at the same URL. This URL can be set from your Merchant Profile in your PayTabs Merchant Dashboard.
- Verify that your request method is POST and not GET
- Enquire with your hosting company about the issue. You may have to request them to whitelist our URL.

Q3. I would like to know how to use the IPN?

To use the IPN, you will need to do the following:

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.

Q4. I would like to know how to add two IPN URLs for one website because we have one website with 2 Language.

PayTabs supports only one IPN URL.

Q5. In what format does the IPN data get posted?

The data will be posted as HTTP URL encoded POST data

Q6. Can the IPN post data to a link that ends in “.php”?

Yes, IPN will post to any URL that is hosted publicly.



Pre-authorization and Capture API Integration Guide – [Version 1.0](#)

<https://www.paytabs.com>