



SADAD API Integration Guide

INTEGRATION GUIDE
VERSION 2.4

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Revision History

Version	Description of Change	Date
1.0	- New Document	01/09/2015
1.1	- Updated SADAD API	22/11/2015
1.2	- Add URL for test environment	20/12/2015
2.1	- Update Verify Payment API	20/04/2016
2.2	- Removed test Create_Pay_Page Link - Added SADAD related FAQ	26/07/2016
2.3	-Removed IPN	03/10/2016
2.4	- Added IPN response for SADAD transaction	06/04/2017
2.5	-Removed Olp_id parameter and Update Picture for SADAD Process Flow	14/03/2018

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.

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](#).

1.1 SADAD Test Environment Account v/s SADAD Live Environment

SADAD API is only available for LIVE Saudi Merchants who have SADAD service enabled.

During the integration process, you need to use the test URL in create SADAD payment web service to create SADAD payment, once your website is tested and approved by SADAD, you will switch the URL to live to accept live payments.

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.

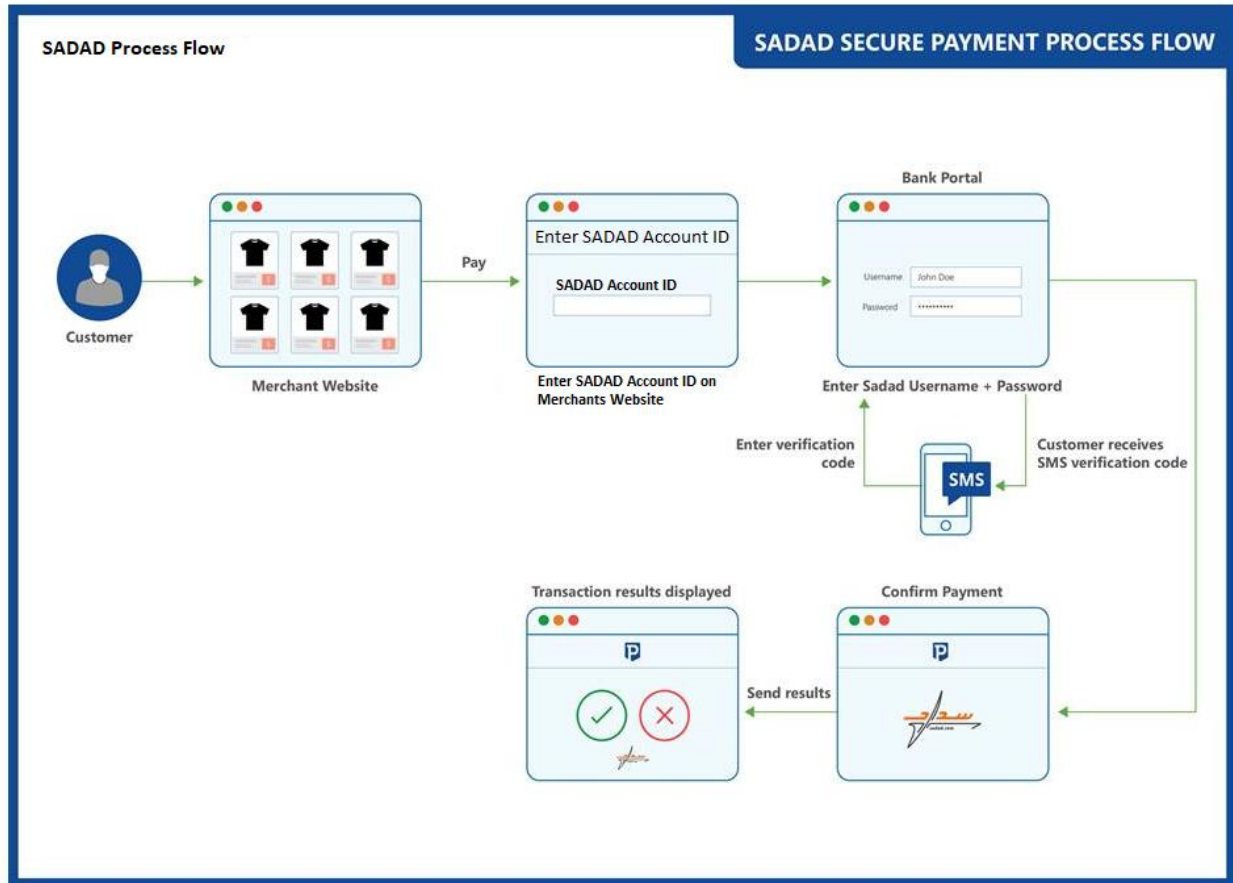
1.3 Assistance

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 Documentation Feedback

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


2 SADAD Transaction Flow



1. Customer selects SADAD Secure Payment during checkout.

CHECKOUT

- 1 BILLING INFORMATION
- 2 SHIPPING INFORMATION
- 3 SHIPPING METHOD
- 4 PAYMENT INFORMATION



☒  SADAD Online Payment

Enter Online Payment ID Alias *

☐ Check / Money order

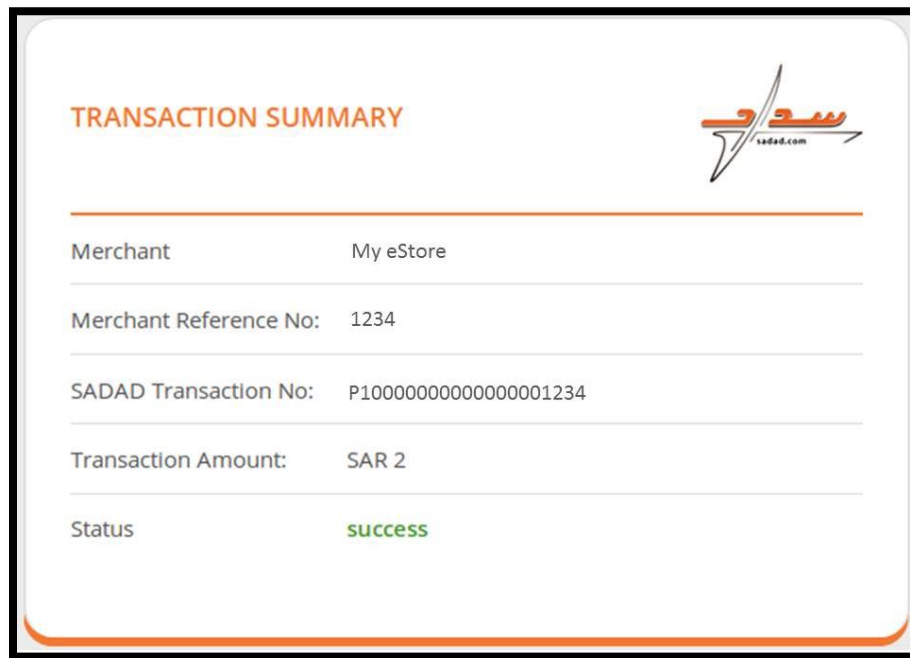
☐ Cash On Delivery

☐ Purchase Order

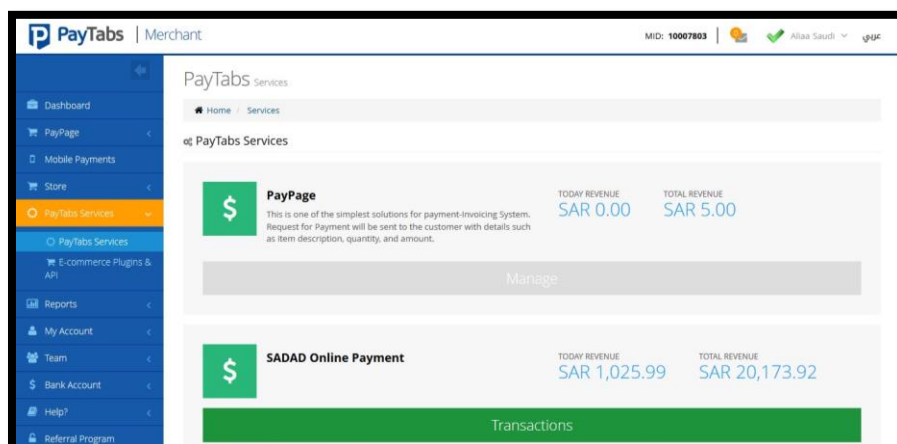
☒   Credit Cards Powered by PayTabs.com

- 5 ORDER REVIEW

2. Customer is requested to enter SADAD's Account ID Alias on Merchant's Website.
3. Customer enters his SADAD Account ID Alias and Clicks on Pay Now. (The SADAD Account ID Alias can be found on the customer's online bank account.)
4. Customer will be redirected to his bank portal to enter the password for SADAD Accounts.
5. Customer completes the SADAD Verification Process (i.e.: For most banks through sending SMS Verification Code and asking customer to submit the code received)
6. Customer clicks CONFIRM to submit the payment.
7. Once the payment is successful, the following transaction summary page will appear.



8. Once the SADAD transaction is successful, the amount will be credited directly to Merchant's Bank Account (not the Merchant's Account at PayTabs). However they can view SADAD's Total Revenue and Daily Revenue through PayTabs Merchant's Dashboard at PayTabs Services > SADAD Online Payment.



Moreover, the Merchant can view a list of SADAD's transactions through his Dashboard: Reports > Transactions > Search Options: Transaction Details > Payment Method: SADAD Online Payment.

The screenshot displays the PayTabs Merchant Dashboard. The sidebar on the left contains navigation links: Dashboard, PayPage, Mobile Payments, Store, PayTabs Services, Reports, Transactions (highlighted), Adjustments, Transaction Claims, Merchant Statement, My Account, Team, Bank Account, Help?, and Referral Program. The main content area is titled 'Transactions' and includes a breadcrumb trail: Home / Transactions. Below this is a 'Search for Transaction' section with the following filters:

- Search Option: Transaction Details (selected)
- Transaction Status: All (selected)
- Payment Method: SADAD Online Payment (selected)
- Transaction ID: [Text Input]
- Customer Name: [Text Input]
- Start Date: [Date Picker]
- End Date: [Date Picker]

A 'Submit' button is located at the bottom of the search section. Below the search filters is a table titled 'Transactions' with an 'Export In CSV' button. The table contains the following data:

ID	Customer Name	Payment Method	Currency	Total Amount	Date & Time	Status	Reason	Details
100080	Ahmed Ali	SADAD Online Payment	SAR	529.36 .00	01-10-2015 01:26:35	Payment Approved	View	View
100079	Mahmoud Khaled	SADAD Online Payment	SAR	82.00	01-10-2015 01:03:22	Not Completed	View	View
100075	Abdul Rashid	SADAD Online Payment	SAR	335.00	21-09-2015 04:07:59	Payment Approved	View	View
100074	Fname Lname	SADAD Online Payment	SAR	20.00	21-09-2015 01:01:45	Payment Requested	View	View

3 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_sadad_payment
3	Verify Payment	https://www.paytabs.com/apiv2/verify_payment
4	Transaction Reports	https://www.paytabs.com/apiv2/transaction_reports

3.1 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>

3.2 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)
Settlement Bank	The bank where PayTabs will settle money after clearance.

4 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.

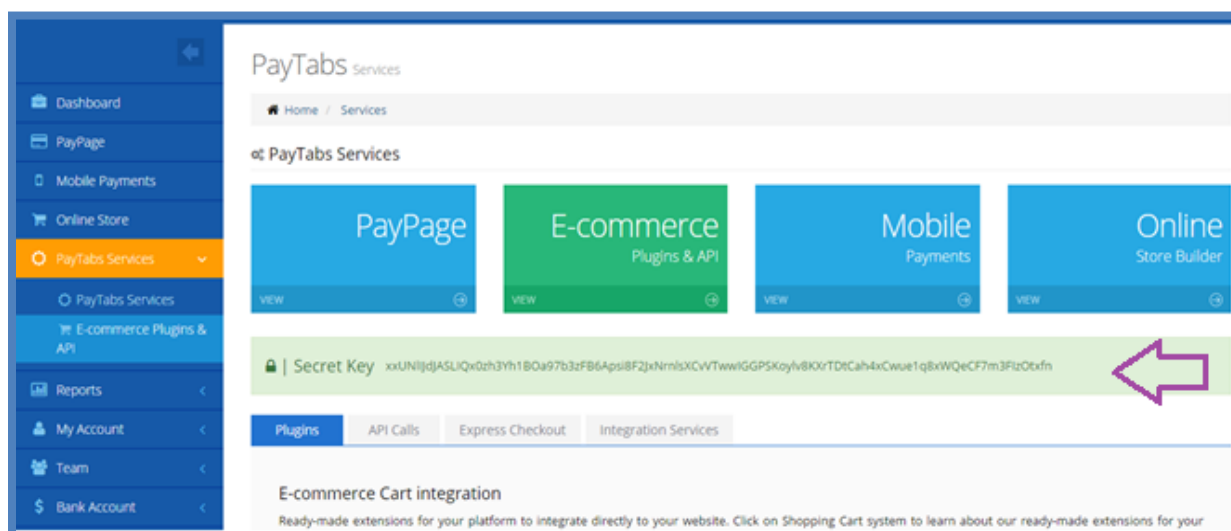


Fig: To find your secret key, go to PayTabs Services >> E-commerce Plugins and API.

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

4.1 Request

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

4.2 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>

4.3 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

5 Create SADAD Payment

This method will accept all the parameters required to create SADAD payment and then return the response as well as the link where all the parameters posted to the API including the SADAD Account will redirect to SADAD's page at the bank portal to complete the SADAD verification and payment.

During the integration process, you need to use the test URL in create SADAD payment web service to create SADAD payment, once your website is tested and approved by SADAD, you will switch the URL to live to accept live payments.

LIVE ENVIRONMENT PATH https://www.paytabs.com/apiv2/create_sadad_payment

REQUEST METHOD POST

5.1 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>
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.: 00973
phone_number	<u>Required</u> Phone Number of the Customer	String 32 characters E.g.: 3312345678
email	<u>Required</u> Email of the customer	String 32 characters E.g.: customer@domain.com
products_per_title*	<u>Required</u> Product title of the product. If multiple products then add “ ” separator adding space before and after the separator	String 175 characters E.g.: iPhone Samsung S5 Samsung S4
unit_price	<u>Required</u> Unit price of the product. If multiple products then add “ ” separator.	String 256 characters E.g.: 21.09 22.12 12.01
quantity	<u>Required</u> Quantity of products. If multiple products then add “ ” separator.	String 256 characters E.g.: 1 2 3
other_charges	<u>Optional</u> Additional charges. e.g.: shipping charges, taxes, VAT, etc.	Decimal Up to 3 Decimal places E.g.: 123.399
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.: 123.399
discount	<u>Optional</u> Discount of the transaction The Total amount of the invoice will be= amount - discount	Decimal 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

* 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

reference_no	<u>Optional</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>
address_shipping**	<u>Optional</u> Shipping address of the customer	String 64 characters E.g.: <i>Flat abc road 123</i>
city_shipping	<u>Optional</u> Shipping City of the customer	String 32 characters E.g.: <i>Manama</i>
state_shipping***	<u>Optional</u> Shipping State of the customer	String 32 characters E.g.: <i>Manama</i>
postal_code_shipping	<u>Optional</u> Shipping postal code of the customer	String Up to 9 characters E.g.: <i>403129</i>
country_shipping	<u>Optional</u> Shipping country of the customer	String 3 character ISO country code E.g.: <i>BHR</i>
msg_lang	<u>Optional</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
olp_id****	<u>Required</u> This variable should contain the customer's SADAD Account ID to create SADAD payment	String E.g.: Saudi123

** 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.

**** Pay pages supporting SADAD are only available for Saudi Merchants who have SADAD payment feature enabled to their merchant account

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>Success SADAD payment created.</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 SADAD's page at the bank portal	String E.g.: <i>https://olp.samba.com/common/olpcustomer/olplogin</i>

5.3 Response Codes

Code	Description
4025	SADAD payment created successfully.
0404	You don't have permissions to create an Invoice.
4001	Variable not found. (parameter 'olp_id' missing)
4002	Invalid Credentials.
4007	'currency' code used is invalid. Use SAR
4013	Your 'amount' post variable should be between 0.97 and 18000 SAR
4014	Products titles, Prices, quantity are not matching
4026	Sorry, Unexpected System Error
4027	System Error. Please try again.
4094	Your total amount is not matching with the sum of unit price amounts per quantity.

5.4 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"   => "00966",
    "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"          => "SAR",
    "reference_no"      => "ABC-123",
    "ip_customer"       => "1.1.1.0",
    "ip_merchant"       => "1.1.1.0",
    "address_shipping"  => "Flat 3021 Khobar",
    "state_shipping"    => "Khobar",
    "city_shipping"     => "Khobar",
    "postal_code_shipping" => "1234",
    "country_shipping"  => "SAU",
    "msg_lang"          => "English",
    "cms_with_version"  => "PHP-CodeIgniter3.0.1",
    "olp_id"           => "Riyad123"
));  ?>
```

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.

6 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

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 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

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

6.3 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.
328	Sadad account is not valid. Please contact your bank.
330	The transaction amount exceeds the maximum per transaction limit.

331	The transaction amount exceeds the maximum per day limit.
333	Sadad account does not exist. Please enter valid Sadad account
334	The transaction is rejected.
336	Transaction has been cancelled by the Consumer
337	Invalid input data. Please verify the input details provided.
338	MerchantRefNum is already Used.
339	Sorry, Unexpected System Error, Please try again
340	Transaction cannot be processed
341	Transaction cannot be processed at this moment
342	Transaction failed
343	Sadad account password entered is incorrect. Please provide the valid password.
344	Second level authentication credentials incorrect. Please provide valid credentials.
345	This transaction cannot be processed due to insufficient funds in your account.
346	Transaction timed out
347	Cannot proceed with checkout process.
348	SADAD Account status is not active/inactive
349	Merchant Name and Merchant Id does not match
** The Complete list of response codes can be found on the Merchant Dashboard > Help > Reason Codes.	

6.4 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));
}

?>
```

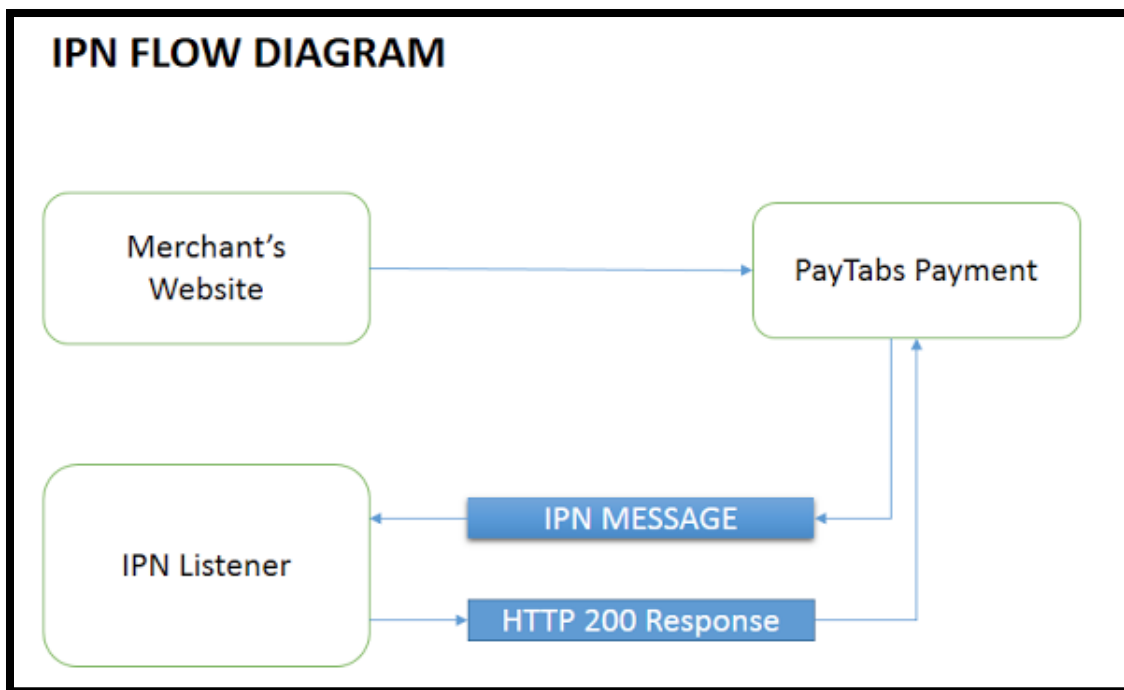
7 PayTabs IPN (Instant Payment Notification)

7.1 How IPN Works

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

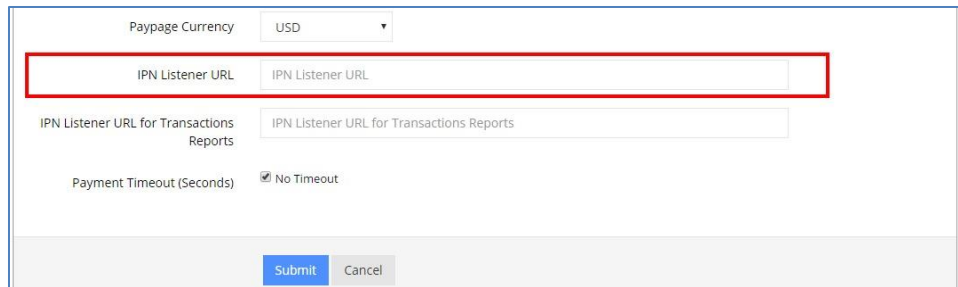
This scenario, leave no scope for any related ERP or E-commerce or Accounting Systems to be updated. This is where IPN comes in.

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



7.2 Set up your IPN Listener

1. Create an IPN Listener that receives and processes the IPN messages sent by PayTabs.
2. Log into your PayTabs Merchant Account > Go to “My Profile” and click on “Edit”.
3. Enter the URL of your IPN Listener and click on “Submit”. IPN will not work with a local host IPN Listener URL. Testing the IPN Message Service is only possible on a publicly hosted URL.



The screenshot shows a form for configuring the IPN Listener. At the top, there is a 'Paypage Currency' dropdown menu set to 'USD'. Below this, the 'IPN Listener URL' field is highlighted with a red border. Underneath, there is a field for 'IPN Listener URL for Transactions Reports'. At the bottom, there is a 'Payment Timeout (Seconds)' section with a checked checkbox for 'No Timeout'. The form has 'Submit' and 'Cancel' buttons at the bottom right.

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

7.4 Contents / Data of the IPN

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

<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.: <i>Flat abc road 123</i>
shipping_city	Shipping City of the customer	String 32 characters E.g.: <i>Manama</i>
shipping_country	Shipping country of the customer	String 3 character ISO country code E.g.: <i>BHR</i>
shipping_state	Shipping State of the customer	String 32 characters E.g.: <i>Manama</i>
shipping_postalcode	Shipping postal code of the customer	String Up to 9 characters E.g.: <i>403129</i>
amount	The transaction amount.	Decimal Up to 3 Decimal places E.g.: <i>123.399</i>
currency	Currency of the amount stated. 3 character ISO currency code	String E.g.: <i>BHD</i>
phone_num	Phone number of the customer	String Minimum 6 numbers up to 32 numbers E.g.: <i>3312345678</i>
customer_name	Name of the Customer	String 32 characters E.g.: <i>John</i>
email	Email of the customer	String 32 characters E.g.: <i>customer@domain.com</i>
response_code	The same as response _code value returned in the response of verify_payment API call. A complete list of response codes can be found in Merchant Dashboard > Help > Reason Codes	String Up to 4 characters E.g.: <i>5001, 481</i>
detail	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>

reference_id	Merchant's Website order ID, this the same as reference_no value posted in Create PayPage call	String Up to 12 characters E.g.: 90094
invoice_id	<p>This is the p_id that is returned in the response of create PayPage when the page is created successfully.</p> <p>This is also the same value as payment_reference that is passed in verify_payment API request</p> <p>And it's also the same value as pt_invoice_id that is received in the response of verify_payment API</p>	String Up to 12 characters E.g.: 90094

7.5 Response Codes

<i>Response Code</i>	<i>Description</i>
5001	Payment has been accepted successfully
Any reason code other than 5001	Payment has been rejected
<p>** The Complete list of response codes can be found on the Merchant Dashboard > Help > Reason Codes.</p>	

7.6 Sample IPN Response

7.6.1 Sample IPN Response for Successful Payment

```
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] => 5001  
    [detail] => Transaction has been Successful  
    [reference_id] => ref_no-SADAD ANB  
    [invoice_id] => 297973  
)
```

7.6.2 Sample IPN Response for Rejected Payment

```
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] => 346  
    [detail] => Transaction Timed Out  
    [reference_id] => ref_no-SADAD ANB  
    [invoice_id] => 297973  
)
```

8 Transactions Reports

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

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

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

PATH `https://www.paytabs.com/expressv2/transaction_reports/`

REQUEST METHOD POST

PRODUCTION LIVE

8.1 Request

<i>Element</i>	<i>Description</i>	<i>Format</i>
merchant_id	<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 mm-dd-yy HH:MM:SS	String E.g.: <i>02/20/2016 12:00:00ss</i>
enddate	<u>Required</u> End Date Format should be mm-dd-yy HH:MM:SS	String E.g.: <i>02/20/2016 12:00:00</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
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.: AhjzbwSR8VsHlol4QVCEcgS egdUxd
transaction_title	Title of the transaction	String
amount	Transaction Amount	String E.g.: 199.287
currency	Transaction Currency 3 Character ISO country Code	String E.g.: AED
net_amount	The equivalent of the original amount converted to merchant dashboard Currency	String E.g.: 199.287
net_amount_currency	Merchant Dashboard Currency 3 Character ISO country Code	String E.g.: AED
net_amount_credited	Net Amount Credit to Merchant's Balance after deducting PayTabs fees	String E.g.: 199.287
net_amount_credited_currency	Merchant Dashboard Currency 3 Character ISO country Code	String E.g.: AED
transaction_datetime	Date and time of the transaction	String E.g.: 23-03-2016 01:39:16 pm
force_accept_datetime	Date and time of force accept (If applicable)	String E.g.: 23-03-2016 01:39:16 am

8.3 Response Codes

<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": "AfvzbwSR8RcpB85hKYko3AKfvmhqlu1UHyL4C7ekmW6QHFHIgDAA2gfW",
      "transaction_title": "Mr. John Doe",
      "amount": "1.00",
```

```

    "currency": "SAR",
    "net_amount": "3.73",
    "net_amount_currency": "SAR",
    "net_amount_credited": "3.58",
    "net_amount_credited_currency": "SAR",
    "transaction_datetime": "20-03-2016 05:43:49 pm",
    "force_accept_datetime": "20-03-2016 06:43:49 pm"
  }
]
}

```

8.5 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

8.6 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.: t2938yh202tu0

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.

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. Use SAR code
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
4013	Your 'amount' post variable should be between 0.27 and 5000.00 USD
4014	Products titles, Prices, quantity are not matching
4025	SADAD Payment Created Successfully
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 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']     = "00966";
    $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']            = "SAR";
    $values['ip_customer']         = "1.1.1.0";
    $values['ip_merchant']         = "127.168.1.0";
    $values['address_shipping']    = "Flat 3021 Khobar";
    $values['state_shipping']      = "Khobar";
    $values['city_shipping']       = "Khobar";
    $values['postal_code_shipping']= "12345";
    $values['country_shipping']    = "SAU";
    $values['msg_lang']            = "English";
    $values['cms_with_version']    = "PHP-CodeIgniter 3.0.1";
    $values['olp_id']              = "Riyad123";
}
```

```
    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.
}

}

?>
```

12 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. 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.

Q3. 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.

Q4. 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.

Q5. 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

Q6. 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":"4025",  
"payment_url":"https://www.paytabs.com/NXEXxM38pW4fFVbeorTNDWVGjng4cofU-  
0iu4VHnir8a8 ","p_id":94327}
```

You should receive the response from the "Create SADAD Payment" API call, parse it and then redirect your customer to SADAD's bank portal URL that you received in the response

Q7. For Integration using Asp.NET, I am getting this error "The remote certificate is invalid according to the validation procedure."

Refer to the following links to try and resolve your issues.

<http://blogs.msdn.com/b/jpsanders/archive/2009/09/16/troubleshooting-asp-net-the-remote-certificate-is-invalid-according-to-the-validation-procedure.aspx>

<http://stackoverflow.com/questions/777607/the-remote-certificate-is-invalid-according-to-the-validation-procedure-using>

Q8. How do I test for SADAD payment?

You need to have an active SADAD merchant ID, so that we can enable the service for you to start the integration.

Q9. How do I integrate with SADAD Account?

In order to integrate SADAD, below are the prerequisites:

- 1- You need an active SADAD merchant ID from the bank.
- 2- You need an Active (not Demo) PayTabs Merchant Saudi Account.
- 3- You need to provide the SADAD merchant ID to PayTabs to activate the service for your account.
- 5- In case you are using an eCommerce plugin (Magento, Open Cart. etc.), you need to provide us with the plugin name and version and we will provide you directly with the extension, otherwise we will provide you with SADAD's API documentation
- 6- You need to make SADAD payment option only visible for customer's whose first name is SADAD and hide for anyone else.
- 7- As per SADAD requirements, SADAD payment option needs to be the first option in the payment options in checkout page.

Q10. SADAD Payments only appear for the users that have SADAD as first name, please allow all customers to see the SADAD Payment option.

This is the case while your SADAD integration is being tested. Once your account is approved by SADAD and your account is LIVE, the SADAD option can be accessible by all your customers.

Q11. After the transaction is successful, how long does it takes for the money to appear in our SADAD account?

It may take about 2 business days for the amount to appear in your SADAD account after a successful transaction.



SADAD API Integration Guide – Version 2.4

<https://www.paytabs.com>