



Payment Plugin for WHMCS

INTEGRATION GUIDE
VERSION 1.3

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Revision History

S. No.	Description of Change	Date
1.0	- Original Document	10/11/2014
1.1	- Changed Step 3, Added folder “ Modules/PHPMailer” - Changed the unzip folder name to “module-whtmcs”	29/01/2015
1.2	- Changed folder from “ Modules/PHPMailer” to “Gateways/PHPMailer”	16/06/2015
1.3	- Changed Formatting of the Document - Added Refund API - Added Transactions Reports API - Added IPN - Added Test Cards Section - Added FAQ Section	12/05/2015

1. Introduction

This document is designed to help its audience with installation of PayTabs plug-in with their respective WHMCS application. The documentation is arranged in a way to guide you through the various steps in your development process. We recommend following each of the steps outlined below and reading the documentation in the order displayed.

1.1. Server Requirements

- PHP Version 5.2 or later
- MySQL Version 4.1.x or later
- Curl Support (with SSL)
- GD Image Library
- PHP JSON support
- IonCube Loaders Support

2. Installation process

Step 1: Add PayTabs file

Unzip “module-whtmcs” module and copy files as mentioned below:

“Paytabs.php” to “Modules/gateways”

“gateways/PHPMailer”

“Paytabs.php” to “Modules/gateways/callback”

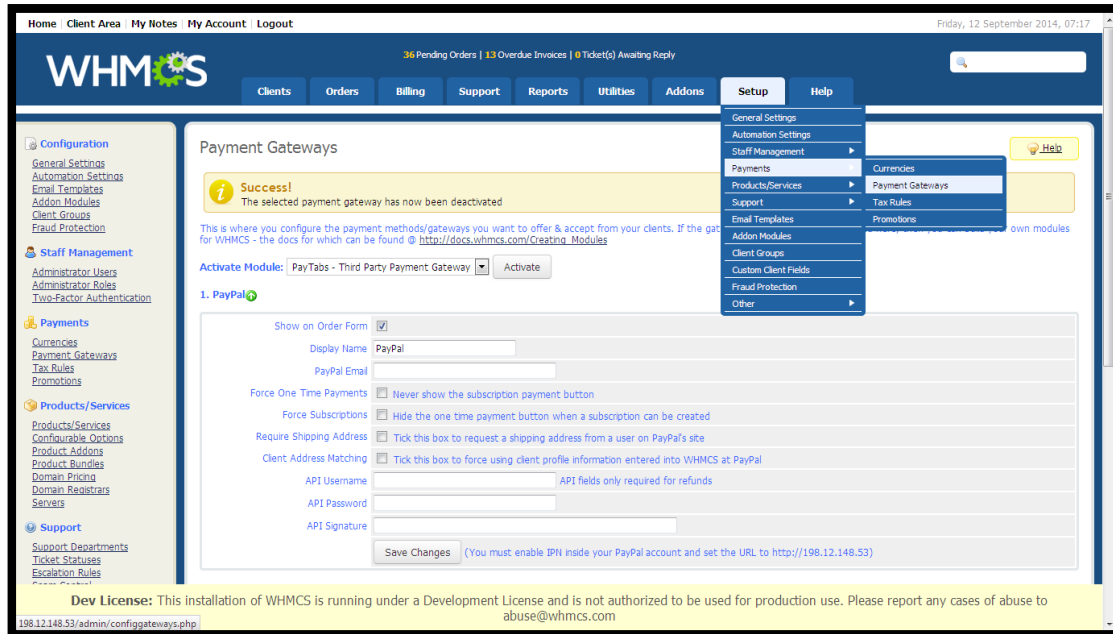
Step 2: Login

Now, log-in into “WHMCS Admin”, as shown in the image below.

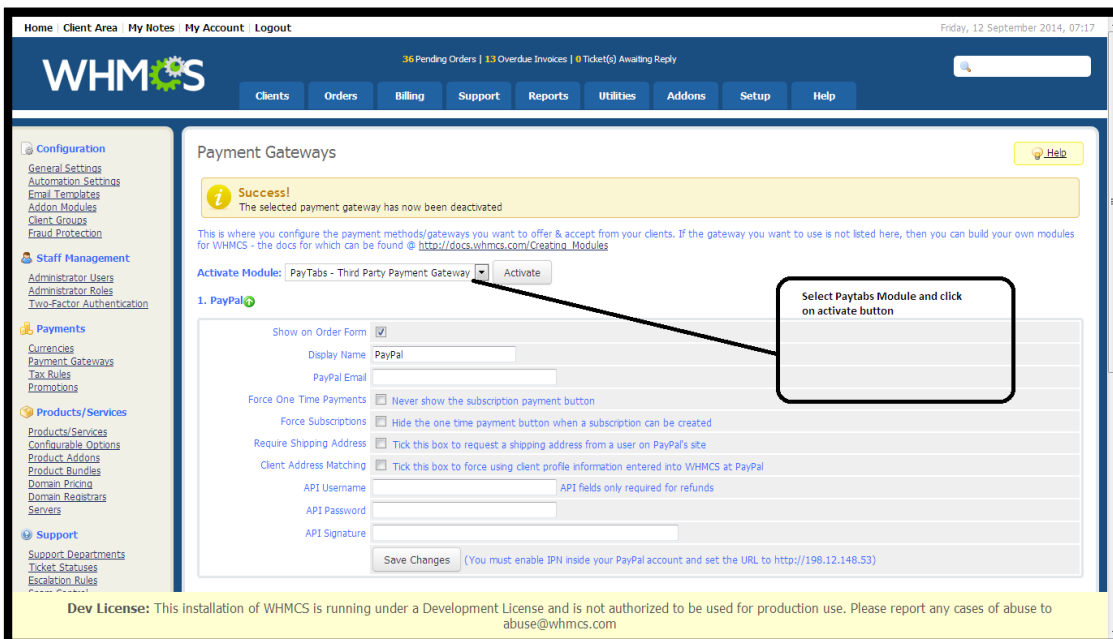


Step 3: Setup Payment Gateway

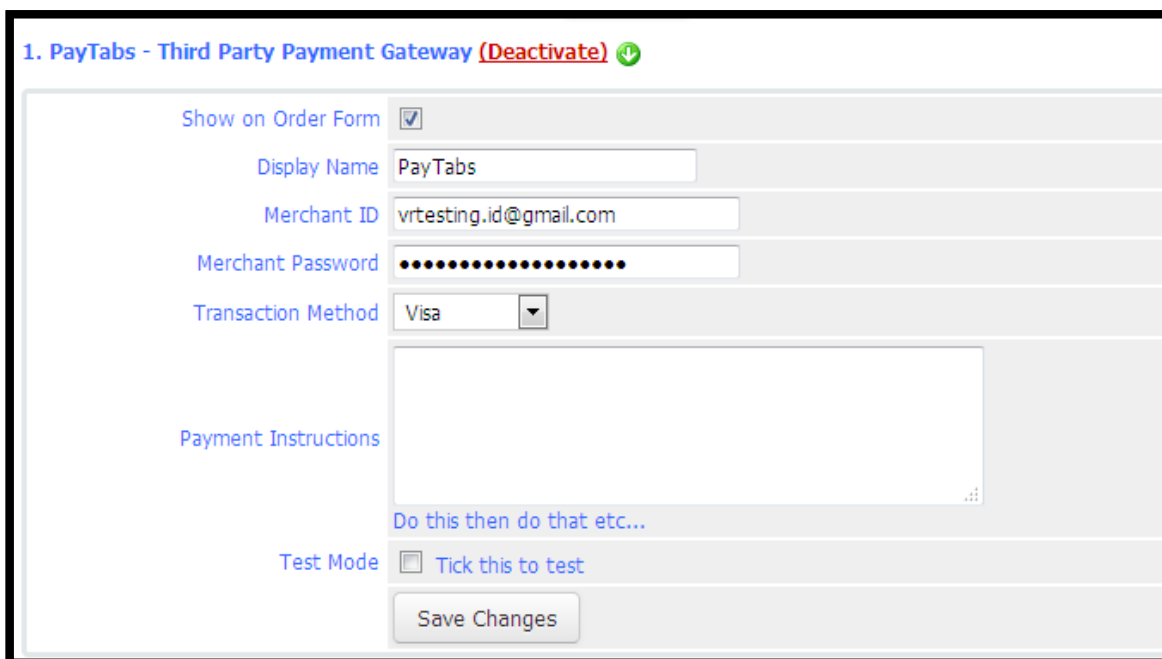
1. After logging in, click on “Setup” link, go to “Payments” and click on “Payment Gateways” as shown in the picture.



2. Select “Paytabs Module” and click on “Activate” button.



3. Enter all the details like “Display Name”, “Merchant ID”, “Password” etc. and click on “Save Changes” button.



The screenshot shows the configuration interface for the PayTabs payment gateway. At the top, it says "1. PayTabs - Third Party Payment Gateway (Deactivate)" with a green down arrow icon. The form includes several fields: "Show on Order Form" with a checked checkbox, "Display Name" with the value "PayTabs", "Merchant ID" with the value "vrtesting.id@gmail.com", "Merchant Password" with masked characters, and "Transaction Method" with a dropdown menu set to "Visa". There is a large text area for "Payment Instructions" containing the text "Do this then do that etc...". Below this is a "Test Mode" checkbox which is unchecked, with a link "Tick this to test". At the bottom right is a "Save Changes" button.

4. PayTabs plug-in is now ready to be used with your WHMCS application.

3. 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

3.1. 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.: Mao8sdhasfyahosdap9sd
paypage_id	<u>Optional</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

3.2. 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>

3.3. Response Codes

<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
813	You are not authorized to view this transaction

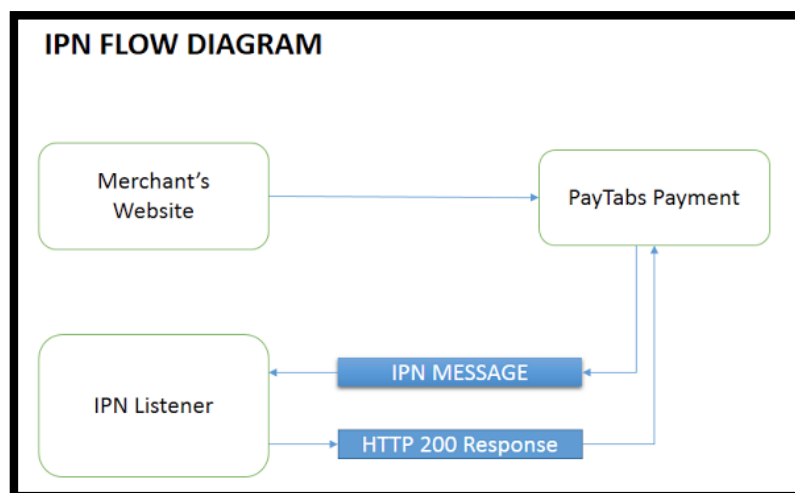
4. PayTabs IPN (Instant Payment Notification)

4.1 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.

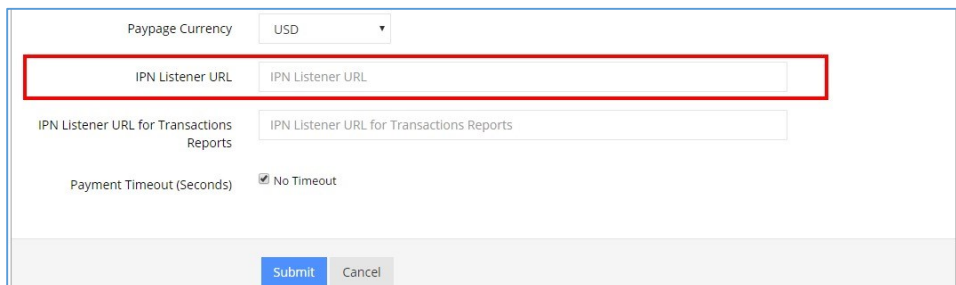
This scenario, leave no scope for any related ERP or E-commerce or Accounting Systems to be updated. This is where IPN comes in.

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.



4.2 Set up your IPN Listener

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



Now your IPN Service is ready to go!

4.3 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

4.4 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
reference_id	Merchant's Website order ID, this the same as reference_no value posted in Create Paypage call	String Up to 12 characters E.g.: 90094
invoice_id	The paypage id of the successful payment that you wish to refund_ This is the p_id that is returned in the create PayPage response.	String Up to 12 characters E.g.: 90094
response_code	The response code / error code of the API call. A complete list of response codes can be found in Merchant Dashboard > Help > Reason Codes	String Up to 4 characters E.g.: 4002
customer_name	Name of the Customer	String 32 characters E.g.: John

email	Email of the customer	String 32 characters E.g.: <i>customer@domain.com</i>
phone_num	Phone Number of the Customer	String Minimum 6 numbers up to 32 numbers E.g.: <i>3312345678</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>
shipping_address	Shipping address of the customer	String 40 characters E.g.: <i>Flat abc road 123</i>
shipping_city	Shipping City of the customer	String 13 characters E.g.: <i>Manama</i>
shipping_state	Shipping State of the customer	String 32 characters E.g.: <i>Manama</i> 2 characters for US & Canada E.g.: if state is New York then the state field should be NY
shipping_country	Shipping country of the customer	String 3 character ISO country code E.g.: <i>BHR</i>
shipping_postalcode	Shipping postal code of the customer	String From 5 to 9 characters E.g.: <i>403129</i>

4.5 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

Important Notes

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

5. 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

5.1 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>

5.2 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.: AhjzbwSR8VsHlol4QVCEcgSegdUxd
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

5.3 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

5.4 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"
    }
  ]
}
```

6. Test Credit Card Numbers

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

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

Card Number	Card Type	Description	CVV	Expiry Date
4111111111111111	VISA	Without authentication window	123	05/17
4000000000000002	VISA	With authentication window (3D secure)	123	05/17
40000000000000127	VISA	Card enrollment option during purchase process	123	05/17
5200000000000007	MasterCard	With authentication window (3D secure)	123	05/17
52000000000000114	MasterCard	Without authentication window	123	05/17
52000000000000122	MasterCard	Card enrollment option during purchase process	123	05/17

7. Frequently Asked Questions

Q1. I keep getting this error “Site URL does not match”. How do I fix this?

PayTabs require that your website where you are integrating our gateway should be the same as the website/URL registered in 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 account manager.

Q2. 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.



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<https://www.paytabs.com>