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API Specification

Description

This document is design for developers intending to use Pay4Bill's payment processor as a payment solution on their web and mobile applications.

Structure of API Calls

Web service calls performed on the Pay4Bill adhere to the following structure:

`http://Pay4Bill.ng/version/{service-type}/{action}.{format}`

Where:

- **{service-type}** denotes the service being requested (currently supported are: "users", "accounts", "payments")
 - User – These covers web services related to merchant accounts
 - Account – Relates to wallets owned by a merchant account.
 - Payment - Relates to all payments made on a wallet of a merchant account.
- **{action}** denotes the desired action (see list supported below)
- **{format}** denotes the response format (currently supported are "XML" and "JSON")

A typical request will look like this :

`http://payments.pay4bill.ng/version/payment/create.json`

The API Calls

Base API URL : <https://Pay4Bill.ng/version/>
Accepted HTTP Methods: POST, GET, PUT & DELETE
API OBJECTS: Account, Wallet, Payment

M = Mandatory, O = Optional

Standard Error Response:

status	"-1" = Failed
reasons	An array of reasons why the request is not successful.
date	Format: 2013-07-01 08:30:23

user/create

Description: This action creates a new merchant account on Pay4Bill Platform

Url: <http://Pay4Bill.ng/version/user/create>

HTTP Method: POST

Request field(s):

Field	Type	Description
p4me_merchant_first_name	M	Merchant first name
p4me_merchant_last_name	M	Merchant last name
p4me_merchant_email	M	Merchant email
p4me_merchant_phone	M	Merchant phone
p4me_merchant_password	M	Merchant password
p4me_merchant_address	M	Merchant address
p4me_merchant_website_url	M	Merchant website url

Response field(s):

Field	Description
Status	"1" = successful, "-1" = Failed
merchant	Merchant Account Object

user/delete

Description: This action deletes a merchant account on Pay4Bill Platform

Url: <http://Pay4Bill.ng/version/user/delete>

HTTP Method: DELETE

Request field(s):

Field	Type	Description
p4me_merchant_key	M	Merchant Public key

Response field(s):

Field	Description
Status	"1" = successful, "-1" = Failed
reasons	Returns on failure
date	Request date

user/update

Description: This action updates a merchant account on Pay4Bill Platform

Url: <http://payments.pay4bill.ng/version/user/update>

HTTP Method: PUT | POST

Request field(s):

Field	Type	Description
p4me_merchant_key	M	Merchant public key
p4me_merchant_first_name	M	Merchant first name
p4me_merchant_last_name	M	Merchant last name
p4me_merchant_email	M	Merchant email
p4me_merchant_phone	M	Merchant phone
p4me_merchant_password	M	Merchant password
p4me_merchant_address	M	Merchant address
p4me_merchant_website_url	M	Merchant website url

Response field(s):

Field	Description
Status	"1" = successful, "-1" = Failed
reasons	Returns on failure
date	Request date

payment/create

Description: This action creates a new payment on Pay4Bill Platform

Url: <http://payments.pay4bill.ng/version/payment/create>

HTTP Method: POST

Request field(s):

Field	Type	Description
p4me_api_key	M	Account api key
p4me_api_secret	M	Account api secret
p4me_payment_memo	M	Payment memo
p4me_payment_amount	M	Total amount
p4me_payment_notify_url	M	Payment notification url
p4me_payment_ref	M	Payment reference
p4me_item_name_x	M	Payment items
p4me_item_amount_x	M	Payment amounts
p4me_item_description_x	O	Payment descriptions
p4me_payer_name	O	Payer name
p4me_payer_email_address	O	Payer email address
p4me_payer_phone_number	O	Payer phone number
p4me_payment_show_confirm_page	O	"yes" to show P4me confirmation page or "no" to direct straight to payment gateway.
p4me_payment_redirect	O	"yes" to auto redirect user to payment page after api request, "no" to simply return JSON or XML response from P4me service.

Note: "x" in item indicates the numeric incremental value for each item

Response field(s):

Field	Description
Status	"1" = successful, "-1" = Failed

reasons	Returns on failure
date	Request date time
Payment	Payment Object:- 1. PaymentID 2. SessionID 3. paymentURL

payment/search

Description: This action list all payment on Pay4Bill Platform

Url: <http://payments.pay4bill.ng/version/payment/search>

HTTP Method: GET

Request field(s):

Field	Type	Description
p4me_api_key	M	Account API key
p4me_api_secret	M	Account API secret
p4me_payment_ref	O	Pass a payment reference to return a single payment or leave blank to return all records.

Response field(s):

Field	Description
status	"1" = successful, "-1" = Failed
reason	Returns on failure
date	Request date
Payments	Payment Objects

payment/status

Description: This action returns payment status on Pay4Bill Platform

Url: <http://payments.pay4bill.ng/version/payment/status>

HTTP Method: GET

Request field(s):

Field	Type	Description
p4me_api_key	M	Account API key
p4me_api_secret	M	Account API secret
p4me_payment_ref	M	Payment reference

Response field(s):

Field	Description
status	"1" = successful, "-1" = Failed
reason	Returns on failure
date	Request date
Payment	Payment Object : 1. payment_status: SUCCESSFUL, FAILED, PENDING 2. payment_status_code 3. payment_status_description 4. transaction_time 5. payment_ref

account/create

Description: This action creates a new merchant wallet on Pay4Bill Platform

Url: <http://payments.pay4bill.ng/version/account/create>

HTTP Method: POST

Request field(s):

Field	Type	Description
p4me_merchant_key	M	Merchant Public key
p4me_account_name	M	Wallet name
p4me_account_description	M	Wallet description
p4me_account_phone	M	Wallet phone number
p4me_account_notify_email	M	Wallet notification email
p4me_account_notify_url	M	Wallet notification url
p4me_account_notify_phone	M	Wallet notification phone

Response field(s):

Field	Description
status	"1" = successful, "-1" = Failed
Reason	Returns on failure
Date	Request date
Wallet	Wallet Object

account/update

Description: This action updates merchant wallet on Pay4Bill Platform

Url: <http://payments.pay4bill.ng/version/account/update>

HTTP Method: POST | PUT

Request field(s):

Field	Type	Description
p4me_api_key	M	Account API key
p4me_api_secret	M	Account API secret
p4me_account_name	M	Wallet name
p4me_account_description	M	Wallet description
p4me_account_phone	M	Wallet phone number
p4me_account_notify_email	M	Wallet notification email
p4me_account_notify_url	M	Wallet notification url
p4me_account_notify_phone	M	Wallet notification phone

Response field(s):

Field	Description
status	"1" = successful, "-1" = Failed
reason	Returns on failure
date	Request date
wallet	Wallet Object

account/search

Description: This action lists available merchant wallets on Pay4Bill Platform

Url: <http://payments.pay4bill.ng/version/account/search>

HTTP Method: GET

Request field(s):

Field	Type	Description
p4me_api_key	M	Account API key
p4me_api_secret	M	Account API secret

Response field(s):

Field	Description
status	"1" = successful, "-1" = Failed
reason	Returns on failure
date	Request date
wallets	Wallet Objects

account/balance

Description: This action calls the merchant's wallet balance on Pay4Bill Platform

Url: <http://payments.pay4bill.ng/version/account/balance>

HTTP Method: GET

Request field(s):

Field	Type	Description
p4me_api_key	M	Account API key
p4me_api_secret	M	Account API secret
p4me_currency_type	O	"NGN", "USD", "EUR", "GBP". Default is NGN

Response field(s):

Field	Description
status	"1" = successful, "-1" = Failed
Reasons	Returns on failure
Date	Request date
Balance	Wallet balance

account/delete

Description: This action deletes merchant wallet on Pay4Bill Platform

Url: <http://payments.pay4bill.ng/version/account/delete>

HTTP Method: DELETE

Request field(s):

Field	Type	Description
p4me_api_key	M	Account API key
p4me_api_secret	M	Account API secret

Response field(s):

Field	Description
status	"1" = successful, "-1" = Failed
reason	Returns on failure
date	Request date

P4ME OBJECT ENTITIES

user object

- p4me_merchant_public_key
- p4me_merchant_first_name
- p4me_merchant_last_name
- p4me_merchant_phone
- p4me_merchant_email
- p4me_merchant_password
- p4me_merchant_website_url
- p4me_merchant_created_on
- p4me_merchant_status

account object

- p4me_api_key
- p4me_api_secret
- p4me_account_name
- p4me_account_email
- p4me_account_phone
- p4me_account_description
- p4me_account_notify_url
- p4me_account_notify_email
- p4me_account_notify_phone
- p4me_account_status
- p4me_account_mode

payment object

- p4me_account_key
- p4me_payment_ref
- p4me_payment_memo
- p4me_payment_amount
- p4me_payment_items [
 - item_name
 - item_amount
 - item_description]
- p4me_payment_notify_url
- p4me_payment_status
- p4me_payment_created_on

SUB-ENTITIES

item

- p4me_item_name
- p4me_item_description
- p4me_item_amount

additional info

- name
- email
- phone
- gender
- age
- location