



Partner API v4

API Manager

Contact Integrations

For any queries relating to this document or products and services of **Flash**, please contact:
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1 Overview

The Flash Partner API provides access to Flash's products and services. We offer integrations for both Direct Merchants and Payment Service Providers. If you have any questions or queries, please feel free to contact us at integrations@flash-group.com.

1.1 Authentication

All requests are protected by API bearer authentication using OAuth 2.0 access tokens. An access token is issued by the OAuth 2.0 server from the Access Token URL:

(<https://api.flashswitch.flash-group.com/token>) and is valid for 3600 seconds (60 minutes).

1.1.1 Generating an Access Token

Flash Integrations will have provided your organisation with an API Key for both Sandbox and/or Production. To obtain an access token, run the following command (where Authorization: Basic is followed by the API Key provided by Flash Integrations) and the response will include the access token as well as the token's validity period in seconds.

Request Example	Response Example
<pre>curl -k -d "grant_type=client_credentials" -H "Authorization: Basic X0ZIODIDbllpeEVUubHBfdJswHdhOIN3SmY5dGd3STlxb0w4VmxHcGMwTWE" https://api.flashswitch.flash-group.com/v4/token</pre>	<pre>{ "access_token": "13035646-274b-30d9-b666-706c8f4dbab4", "scope": "am_application_scope default", "token_type": "Bearer", "expires_in": 3600 }</pre>

When testing in a Sandbox environment, make sure to use your Sandbox token. Once you're ready to send live transactions, you can switch to the Production token. If authorization errors occur due to an expired token or you feel your token may have been compromised, please generate a new token.

1.1.2 Authenticating an API call

To send API requests through the Flash Partner API, the access token must be included with every API call. To authenticate an API request, the following parameters must be sent.

1.1.2.1 Request Parameters

Parameter	Value
Location	Endpoint
Accept	application/json
Content-Type	application/json
Authorization	Bearer Access Token
Data	Request

1.1.2.2 Example Request and Response

Request Example	Response Example
<pre>curl --location 'https://api.flashswitch.flash-group.com/aggregation/4.0/1voucher/purchase' \ --header 'Content-Type: application/json' \ --header 'Accept: application/json' \ --header 'Authorization: Bearer 1009c9b5-c70f-3ca4-8429-bd568fbc7597' --data '{Request}'</pre>	Response

1.2 Error Handling

1.2.1 Response Codes

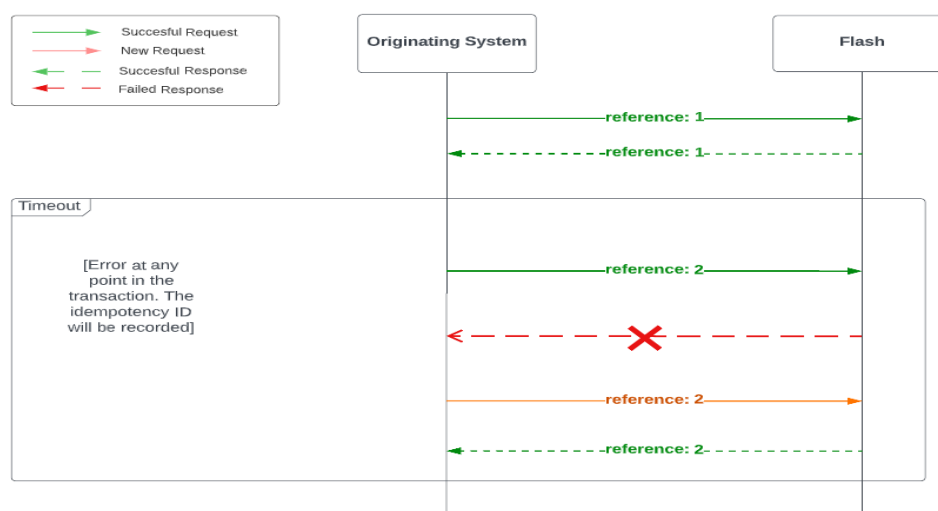
To ensure a successful response, the API should return an HTTP status code 200 along with a JSON object containing the key: `responseCode` with a value of 0.

If the HTTP status code is not 200 or the `responseCode` does not have a value of 0, the response will be considered unsuccessful.

In some cases, an API call is unsuccessful (the `responseCode` is not 0), despite an HTTP status code 200, due to an error from one of our intermediary systems.

1.2.2 Idempotent Requests

The endpoints in this API are designed with idempotency, which means that if a subsequent request is sent with the same **reference** as the initial request, it will return the response of the initial request. This is particularly useful in cases of a broken connection or timeout during the response process. To make use of the idempotency, subsequent requests or retries must include the same **reference**. The figure below shows an example of the flow of an idempotent request.



2 API Reference

2.1 Base URL

The base URL for this API is as follows: **<https://api.flashswitch.flash-group.com>**

2.2 Accounts

The Accounts resource group provides non-product specific queries and actions relating an account. The following endpoints are available for Accounts:

2.2.1 List Products

HTTP Method	Endpoint
GET	Base URL /aggregation/4.0/accounts/accountNumber}/products

2.2.2 Example Request and Response

For a request and response example, please refer to the [Product List request and response](#).

2.2.3 Lookup a Product

HTTP Method	Endpoint
GET	Base URL /aggregation/4.0/accounts/{accountNumber}/products/{productCode}

2.2.4 Example Request and Response

For a request and response example, please refer to the [Product Lookup request and response](#)

2.3 1Voucher

The 1Voucher product group provides the ability to access 1Voucher services, this includes purchasing, disbursing, redeeming and refunding a redemption of a 1Voucher. The following endpoints are available for 1Voucher:

2.3.1 Purchase a 1Voucher

HTTP Method	Endpoint
POST	Base URL /aggregation/4.0/1voucher/purchase

2.3.1.1 Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and alphanumeric characters allowed	Client-defined reference number Must be unique for all transactions.
accountNumber	String	Yes	Alphanumeric characters allowed	The account number of the Merchant.
amount	Integer	Yes	Cents	The value of the 1Voucher being purchased. The currency is "ZAR" and the value is in cents.
storeId	String	No	Alphanumeric characters allowed	The store where the 1Voucher was purchased. For Merchants with Digital channels, this will be a single value. For Merchants with Physical Store locations, each individual storeId will need to be sent in the request.
terminalId	String	No	Alphanumeric characters allowed	The till in the store where the 1Voucher was purchased. For Merchants with Digital channels, this will be a single value. For Merchants with Physical store locations, each individual terminalId will need to be sent in the request.
paymentMethod	String	No	Alphanumeric characters allowed	The paymentMethod used to make the 1Voucher purchase.
metadata	Set of Key Value Pairs	No	Up to 9 properties. Property name up to 10 characters. Property value up to 43 characters	Set of key-value pairs. This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeId and value could be used to identify Voucher redemptions at a store level.

2.3.1.2 Example Request and Response

For a request and response example, please refer to the [1Voucher Purchase request and response](#).

2.3.2 Disburse a 1Voucher

HTTP Method	Endpoint
POST	Base URL /aggregation/4.0/1voucher/disburse

2.3.2.1 Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and alphanumeric characters allowed	Client-defined reference number Must be unique for all transactions.
accountNumber	String	Yes	Alphanumeric characters allowed	The account number of the Merchant.
amount	Integer	Yes	Cents	The value of the 1Voucher being disbursed. The currency is “ZAR” and the value is in cents.
storeId	String	No	Alphanumeric characters allowed	The store where the 1Voucher was disbursed. For Merchants with Digital channels, this will be a single value. For Merchants with Physical Store locations, each individual storeId will need to be sent in the request.
terminalId	String	No	Alphanumeric characters allowed	The till in the store where the 1Voucher was disbursed. For Merchants with Digital channels, this will be a single value. For Merchants with Physical store locations, each individual terminalId will need to be sent in the request.
metadata	Set of Key Value Pairs	No	Up to 9 properties. Property name up to 10 characters. Property value up to 43 characters	Set of key-value pairs. This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeId and value could be used to identify Voucher redemptions at a store level.

2.3.2.2 Example Request and Response

For a request and response example, please refer to the [1Voucher Disbursement request and response](#).

2.3.3 Redeem a 1Voucher

HTTP Method	Endpoint
POST	Base URL /aggregation/4.0/1voucher/redeem

2.3.3.1 Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and alphanumeric characters allowed	Client-defined reference number Must be unique for all transactions.
accountNumber	String	Yes	Alphanumeric characters allowed	The account number of the Merchant.
pin	String	Yes	16 digits	The pin of the voucher to be redeemed
amount	Integer	Yes	Cents	The value of the 1Voucher being redeemed. The currency is "ZAR" and the value is in cents. "0" value will redeem the full value of the voucher.
storeId	String	No	Alphanumeric characters allowed	The store where the 1Voucher was redeemed. For Merchants with Digital channels, this will be a single value. For Merchants with Physical Store locations, each individual storeId will need to be sent in the request.
terminalId	String	No	Alphanumeric characters allowed	The till in the store where the 1Voucher was redeemed. For Merchants with Digital channels, this will be a single value. For Merchants with Physical store locations, each individual terminalId will need to be sent in the request.
mobileNumber	String	No	11 Digits (27 Country Code with no leading 0)	For a Partial Redemption/Change Voucher where the redeemed amount is less than the Voucher value, the new Voucher will be sent as an SMS to the mobileNumber provided. If no mobileNumber is supplied, the Voucher will be returned in the response.
metadata	Set of Key Value Pairs	No	Up to 9 properties. Property name up to 10 characters. Property value up to 43 characters	Set of key-value pairs. This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeId and value could be used to identify Voucher redemptions at a store level.

2.3.3.2 Example Request and Response

For a request and response example, please refer to the [1Voucher Redemption request and response](#).

2.3.4 Refund a 1Voucher Redemption

HTTP Method	Endpoint
POST	Base URL /aggregation/4.0/1voucher/refund

2.3.4.1 Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and alphanumeric characters allowed	Client-defined reference number Must be unique for all transactions.
accountNumber	String	Yes	Alphanumeric characters allowed	The account number of the Merchant.
amount	Integer	Yes	Cents	The value of the 1Voucher being refunded. The currency is “ZAR” and the value is in cents.
storeId	String	No	Alphanumeric characters allowed	The store where the 1Voucher was refunded. For Merchants with Digital channels, this will be a single value. For Merchants with Physical Store locations, each individual storeId will need to be sent in the request.
terminalId	String	No	Alphanumeric characters allowed	The till in the store where the 1Voucher was refunded. For Merchants with Digital channels, this will be a single value. For Merchants with Physical store locations, each individual terminalId will need to be sent in the request.
mobileNumber	String	No	11 Digits (27 Country Code with no leading 0)	For a Refund , the new Voucher will be sent as an SMS to the mobileNumber provided. If no mobileNumber is supplied, the Voucher will be returned in the response.
metadata	Set of Key Value Pairs	No	Up to 9 properties. Property name up to 10 characters. Property value up to 43 characters	Set of key-value pairs. This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeId and value could be used to identify Voucher redemptions at a store level.

2.3.4.2 Example Request and Response

For a request and response example, please refer to the [1Voucher Refund request and response](#).

2.4 Gift Vouchers

The Gift Vouchers product group provides the ability to purchase Gift Voucher products. The following endpoints are available for Gift Vouchers:

2.4.1 Purchase a Gift Voucher

HTTP Method	Endpoint
POST	Base URL /aggregation/4.0/gift-vouchers/purchase

2.4.1.1 Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and alphanumeric characters allowed	Client-defined reference number Must be unique for all transactions.
accountNumber	String	Yes	Alphanumeric characters allowed	The account number of the Merchant.
amount	Integer	Yes	Cents	The value of the Gift Voucher being purchased. The currency is "ZAR" and the value is in cents.
productCode	Integer	Yes	Positive Integers allowed.	A Flash assigned unique product identifier that identifies a specific Gift Voucher product being purchased.
storeId	String	No	Alphanumeric characters allowed	The store where the Gift Voucher was purchased. For Merchants with Digital channels, this will be a single value. For Merchants with Physical Store locations, each individual storeId will need to be sent in the request.
terminalId	String	No	Alphanumeric characters allowed	The till in the store where the Gift Voucher was purchased. For Merchants with Digital channels, this will be a single value. For Merchants with Physical store locations, each individual terminalId will need to be sent in the request.
paymentMethod	String	No	Alphanumeric characters allowed	The paymentMethod used to make the GiftVoucher purchase.
metadata	Set of Key Value Pairs	No	Up to 9 properties. Property name up to 10 characters. Property value up to 43 characters	Set of key-value pairs. This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeId and value could be used to identify Voucher redemptions at a store level.

2.4.1.2 Example Request and Response

For a request and response example, please refer to the [Gift Voucher Purchase request and response](#).

2.5 Cash Out PIN

The Cash Out PIN product group provides the ability to access Cash Out PIN services, this includes purchasing and cancelling the purchase of a Cash Out PIN. The following endpoints are available for Cash Out PIN:

2.5.1 Purchase a Cash Out PIN

HTTP Method	Endpoint
POST	Base URL /aggregation/4.0/cash-out-pin/purchase

2.5.1.1 Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and alphanumeric characters allowed	Client-defined reference number Must be unique for all transactions.
accountNumber	String	Yes	Alphanumeric characters allowed	The account number of the Merchant.
amount	Integer	Yes	Cents	The value of the Cash Out PIN being purchased. The currency is "ZAR" and the value is in cents.
productCode	Integer	Yes	Positive Integers allowed.	A Flash assigned unique product identifier that identifies the Cash Out PIN product assigned to a Merchant account.
storeId	String	No	Alphanumeric characters allowed	The store where the Cash Out PIN was purchased. For Merchants with Digital channels, this will be a single value. For Merchants with Physical Store locations, each individual storeId will need to be sent in the request.
terminalId	String	No	Alphanumeric characters allowed	The till in the store where the Cash Out PIN was purchased. For Merchants with Digital channels, this will be a single value. For Merchants with Physical store locations, each individual terminalId will need to be sent in the request.
paymentMethod	String	No	Alphanumeric characters allowed	The paymentMethod used to make the Cash Out PIN purchase.
metadata	Set of Key Value Pairs	No	Up to 9 properties. Property name up to 10 characters. Property value up to 43 characters	Set of key-value pairs. This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeId and value could be used to identify Voucher redemptions at a store level.

2.5.1.2 Example Request and Response

For a request and response example, please refer to the [Cash Out PIN purchase request and response](#).

2.5.2 Cancel a Cash Out PIN Purchase

HTTP Method	Endpoint
POST	Base URL /aggregation/4.0/cash-out-pin/cancel

2.5.2.1 Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and alphanumeric characters allowed	Client-defined reference number Must be unique for all transactions.
accountNumber	String	Yes	Alphanumeric characters allowed	The account number of the Merchant.
serialNumber	String	Yes	Alphanumeric characters allowed	The serial number issued for the Cash out PIN. This is used to identify the Voucher being cancelled.
productCode	Integer	Yes	Positive Integers allowed.	A Flash assigned unique product identifier that identifies the Cash Out PIN product assigned to a Merchant account.
storeId	String	No	Alphanumeric characters allowed	The store where the Cash Out PIN was cancelled . For Merchants with Digital channels, this will be a single value. For Merchants with Physical Store locations, each individual storeId will need to be sent in the request.
terminalId	String	No	Alphanumeric characters allowed	The till in the store where the Cash Out PIN was cancelled . For Merchants with Digital channels, this will be a single value. For Merchants with Physical store locations, each individual terminalId will need to be sent in the request.
metadata	Set of Key Value Pairs	No	Up to 9 properties. Property name up to 10 characters. Property value up to 43 characters	Set of key-value pairs . This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeId and value could be used to identify Voucher redemptions at a store level.

2.5.2.2 Example Request and Response

For a request and response example, please refer to the [Cash Out PIN Cancellation request and response](#).

2.5.3 Lookup a Cash Out PIN

HTTP Method	Endpoint
POST	Base URL /aggregation/4.0/cash-out-pin/lookup

2.5.3.1 Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and alphanumeric characters allowed	Client-defined reference number Must be unique for all transactions.
accountNumber	String	Yes	Alphanumeric characters allowed	The account number of the Merchant.
serialNumber	String	Yes	Alphanumeric characters allowed	The serial number issued for the Cash out PIN. This is used to identify the Voucher being looked up.
productCode	Integer	Yes	Positive Integers allowed.	A Flash assigned unique product identifier that identifies the Cash Out PIN product assigned to a Merchant account.
metadata	Set of Key Value Pairs	No	Up to 9 properties. Property name up to 10 characters. Property value up to 43 characters.	Set of key-value pairs. This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeID and value could be used to identify Voucher redemptions at a store level.

2.5.3.2 Example Request and Response

For a request and response example, please refer to the [Cash Out PIN Lookup request and response](#).

2.6 Cellular

The Cellular product group provides the ability to access Cellular services. This currently includes purchasing of Pinless Recharges. The following endpoints are available for Cellular:

2.6.1 Purchase a Cellular Pinless Recharge

HTTP Method	Endpoint
POST	Base URL /aggregation/4.0/cellular/pinless/purchase

2.6.1.1 Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and alphanumeric characters allowed	Client-defined reference number Must be unique for all transactions.
accountNumber	String	Yes	Alphanumeric characters allowed	The account number of the Merchant.
amount	Integer	Yes	Cents	The value of the Cellular Pinless Recharge being purchased. The currency is "ZAR" and the value is in cents.
productCode	Integer	Yes	Positive Integers allowed.	A Flash assigned unique product identifier that identifies a specific Cellular product being purchased.
storeId	String	No	Alphanumeric characters allowed	The store where the Cellular Pinless Recharge was purchased. For Merchants with Digital channels, this will be a single value. For Merchants with Physical Store locations, each individual storeId will need to be sent in the request.
terminalId	String	No	Alphanumeric characters allowed	The till in the store where the Cellular Pinless Recharge was purchased. For Merchants with Digital channels, this will be a single value. For Merchants with Physical store locations, each individual terminalId will need to be sent in the request.
mobileNumber	String	Yes	11 Digits (27 Country Code with no leading 0)	The mobile number that the recharge is being requested for.
paymentMethod	String	No	Alphanumeric characters allowed	The paymentMethod used to make the Cellular Pinless Recharge Purchase.
metadata	Set of Key Value Pairs	No	Up to 9 properties. Property name up to 10 characters. Property value up to 43 characters	Set of key-value pairs. This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeId and value could be used to identify Voucher redemptions at a store level.

2.6.1.2 Example Request and Response

For a request and response example, please refer to the [Cellular Pinless Recharge request and response](#)

2.7 Eezi Voucher

The Eezi Voucher product group provides the ability to access Eezi Voucher services. This currently only includes purchasing of Eezi Airtime. The following endpoints are available for Eezi Voucher:

2.7.1 Purchase an Eezi Voucher

HTTP Method	Endpoint
POST	Base URL /aggregation/4.0/eezi-voucher/purchase

2.7.1.1 Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and alphanumeric characters allowed	Client-defined reference number Must be unique for all transactions.
accountNumber	String	Yes	Alphanumeric characters allowed	The account number of the Merchant.
amount	Integer	Yes	Cents	The value of the Eezi Voucher being purchased. The currency is "ZAR" and the value is in cents.
productCode	Integer	Yes	Positive Integers allowed.	A Flash assigned unique product identifier that identifies a specific Eezi Voucher product being purchased.
storeId	String	No	Alphanumeric characters allowed	The store where the Eezi Voucher was purchased. For Merchants with Digital channels, this will be a single value. For Merchants with Physical Store locations, each individual storeId will need to be sent in the request.
terminalId	String	No	Alphanumeric characters allowed	The till in the store where the Eezi Voucher was purchased. For Merchants with Digital channels, this will be a single value. For Merchants with Physical store locations, each individual terminalId will need to be sent in the request.
paymentMethod	String	No	Alphanumeric characters allowed	The paymentMethod used to make the Eezi Voucher purchase.
metadata	Set of Key Value Pairs	No	Up to 9 properties. Property name up to 10 characters. Property value up to 43 characters	Set of key-value pairs. This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeId and value could be used to identify Voucher redemptions at a store level.

2.7.1.2 Example Request and Response

For a request and response example, please refer to the [Eezi Voucher Purchase request and response](#).

2.8 Prepaid Utilities

The Prepaid Utilities product group provides the ability to access Prepaid Utility services. This currently includes purchasing of Water & Electricity vouchers.

2.8.1 Look up a Meter Number

HTTP Method	Endpoint
POST	Base URL /aggregation/4.0/prepaid-utilities/lookup

2.8.1.1 Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and alphanumeric characters allowed	Client-defined reference number Must be unique for all transactions.
accountNumber	String	Yes	Alphanumeric characters allowed	The account number of the Merchant.
amount	Integer	Yes	Cents	The value of the Prepaid Utility voucher being purchased. The currency is "ZAR" and the value is in cents.
meterNumber	String	Yes	Alphanumeric characters allowed	The meter number that the purchase is being requested for.
isFBE	Boolean	No	true or false	Identifies if the purchase request is for Free Basic Electricity . The default value is false if this parameter is not sent in the request.
metadata	Set of Key Value Pairs	No	Up to 9 properties. Property name up to 10 characters. Property value up to 43 characters	Set of key-value pairs. This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeID and value could be used to identify Voucher redemptions at a store level.

2.8.2 Purchase a Prepaid Utility Voucher

HTTP Method	Endpoint
POST	Base URL /aggregation/4.0/prepaid-utilities/purchase

2.8.2.1 Request Parameters

Parameter	Data Type	Required	Format	Description
reference	String	Yes	Only -,.,= and alphanumeric characters allowed	Client-defined reference number Must be unique for all transactions.
accountNumber	String	Yes	Alphanumeric characters allowed	The account number of the Merchant.
amount	Integer	Yes	Cents	The value of the Prepaid Utility voucher being purchased. The currency is “ZAR” and the value is in cents.
meterNumber	String	Yes	Alphanumeric characters allowed	The meter number that the purchase is being requested for.
storeId	String	No	Alphanumeric characters allowed	The store where the Prepaid Utility Voucher was purchased. For Merchants with Digital channels, this will be a single value. For Merchants with Physical Store locations, each individual storeId will need to be sent in the request.
terminalId	String	No	Alphanumeric characters allowed	The till in the store where the Prepaid Utility Voucher was purchased. For Merchants with Digital channels, this will be a single value. For Merchants with Physical store locations, each individual terminalId will need to be sent in the request.
paymentMethod	String	No	Alphanumeric characters allowed	The paymentMethod used to make the Prepaid Utility Voucher purchase.
isFBE	Boolean	No	true or false	Identifies if the purchase request is for Free Basic Electricity . The default value is false if this parameter is not sent in the request.
metadata	Set of Key Value Pairs	No	Up to 9 properties. Property name up to 10 characters. Property value up to 43 characters	Set of key-value pairs. This can be useful for storing additional information about the transaction in a structured format. e.g. key-value pair: storeId and value could be used to identify Voucher redemptions at a store level.

2.8.2.2 Example Request and Response

For a request and response example, please refer to the [Prepaid Utility Voucher Purchase request and response](#).

3 Example Requests and Responses

3.1.1 List Products

Request Example	Response Example
<pre>{}</pre>	<pre>[{ "productCode": 0, "productName": "string", "minimumAmount": 0, "maximumAmount": 0, "status": "string" }]</pre>

3.1.2 Lookup a Product

Request Example	Response Example
<pre>{}</pre>	<pre>{ "id": 0, "productCode": 0, "productName": "string", "minimumAmount": 0, "maximumAmount": 0, "status": 0, "supplierName": "string", "supplierCode": 0, "vendorName": "string", "vendorCode": 0, "productType": 0, "productUPC": "string", "redemptionInstructions": "string", "termsAndConditions": "string", "productParameters": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }, "created": "2023-03-15T09:07:02.246Z", "updated": "2023-03-15T09:07:02.246Z" }</pre>

3.1.3 Purchase a 1Voucher

Request Example	Response Example
<pre>{ "reference": "string", "accountNumber": "string", "amount": 0, "storeId": "string", "terminalId": "string", "paymentMethod": "string", "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }, }</pre>	<pre>{ "responseCode": 0, "responseMessage": "string", "accountNumber": "string", "reference": "string", "transactionDate": "string", "transactionId": 0, "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }, "storeId": "string", "terminalId": "string", "amount": 0, "voucher": { "amount": 0, "expiryDate": "string", "pin": "string", "serialNumber": "string", "status": "string", "content": { "redemptionInstructions": "string", "termsAndConditions": "string" } } }</pre>

3.1.4 Disburse a 1Voucher

Request Example	Response Example
<pre>{ "reference": "string", "accountNumber": "string", "amount": 0, "storeId": "string", "terminalId": "string", "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }, }</pre>	<pre>{ "responseCode": 0, "responseMessage": "string", "accountNumber": "string", "reference": "string", "transactionDate": "string", "transactionId": 0, "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }, "storeId": "string", "terminalId": "string", "amount": 0, "voucher": { "amount": 0, "expiryDate": "string", "pin": "string", "serialNumber": "string", "status": "string", "content": { "redemptionInstructions": "string", "termsAndConditions": "string" } } }</pre>

3.1.5 Redeem a 1Voucher

Request Example	Response Example
<pre>{ "reference": "string", "accountNumber": "string", "amount": 0, "mobileNumber": "string", "storeId": "string", "terminalId": "string", "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }, }</pre>	<pre>{ "responseCode": 0, "responseMessage": "string", "accountNumber": "string", "reference": "string", "transactionDate": "string", "transactionId": 0, "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }, "storeId": "string", "terminalId": "string", "amount": 0, "voucher": { "amount": 0, "expiryDate": "string", "pin": "string", "serialNumber": "string", "status": "string", "content": { "redemptionInstructions": "string", "termsAndConditions": "string" } } }</pre>

3.1.6 Refund a 1Voucher Redemption

Request Example	Response Example
<pre>{ "reference": "string", "accountNumber": "string", "amount": 0, "mobileNumber": "string", "storeId": "string", "terminalId": "string", "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }, }</pre>	<pre>{ "responseCode": 0, "responseMessage": "string", "accountNumber": "string", "reference": "string", "transactionDate": "string", "transactionId": 0, "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }, "storeId": "string", "terminalId": "string", "amount": 0, "voucher": { "amount": 0, "expiryDate": "string", "pin": "string", "serialNumber": "string", "status": "string", "content": { "redemptionInstructions": "string", "termsAndConditions": "string" } } }</pre>

3.1.7 Purchase a Gift Voucher

Request Example	Response Example
<pre>{ "reference": "string", "accountNumber": "string", "amount": 0, "productCode": "0", "storeId": "string", "terminalId": "string", "paymentMethod": "string", "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" } }</pre>	<pre>{ "responseCode": 0, "responseMessage": "string", "accountNumber": "string", "reference": "string", "transactionDate": "string", "transactionId": 0, "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }, "storeId": "string", "terminalId": "string", "amount": 0, "voucher": { "amount": 0, "expiryDate": "string", "pin": "string", "serialNumber": "string", "status": "string", "content": { "redemptionInstructions": "string", "termsAndConditions": "string" } } }</pre>

3.1.8 Purchase a Cash Out PIN

Request Example	Response Example
<pre>{ "reference": "string", "accountNumber": "string", "amount": 0, "productCode": "0", "storeId": "string", "terminalId": "string", "paymentMethod": "string", "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" } }</pre>	<pre>{ "responseCode": 0, "responseMessage": "string", "accountNumber": "string", "reference": "string", "transactionDate": "string", "transactionId": 0, "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }, "storeId": "string", "terminalId": "string", "amount": 0, "voucher": { "amount": 0, "expiryDate": "string", "pin": "string", "serialNumber": "string", "status": "string", "content": { "redemptionInstructions": "string", "termsAndConditions": "string" } } }</pre>

3.1.9 Cancel a Cash Out PIN Purchase

Request Example	Response Example
<pre>{ "reference": "string", "accountNumber": "string", "serialNumber": "string", "productCode": "0", "storeId": "string", "terminalId": "string", "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" } }</pre>	<pre>{ "responseCode": 0, "responseMessage": "string", "accountNumber": "string", "reference": "string", "transactionDate": "string", "transactionId": 0, "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }, "storeId": "string", "terminalId": "string", "amount": 0, "voucher": { "amount": 0, "expiryDate": "string", "pin": "string", "serialNumber": "string", "status": "string", "content": { "redemptionInstructions": "string", "termsAndConditions": "string" } } }</pre>

3.1.10 Lookup a Cash Out PIN

Request Example	Response Example
<pre>{ "reference": "string", "accountNumber": "string", "serialNumber": "string", "productCode": 0, "metadata": { "additionalProp1": "string", "additionalProp1": "string", "additionalProp1": "string" } }</pre>	<pre>{ "responseCode": 0, "responseMessage": "string", "accountNumber": "string", "reference": "string", "transactionDate": "string", "transactionId": 0, "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }, "voucher": { "amount": 0, "expiryDate": "string", "pin": "string", "serialNumber": "string", "status": "string", "content": { "redemptionInstructions": "string", "termsAndConditions": "string" } } }</pre>

3.1.11 Purchase a Cellular Pinless Recharge

Request Example	Response Example
<pre>{ "reference": "string", "accountNumber": "string", "amount": 0, "mobileNumber": 0, "storeId": "string", "terminalId": "string", "paymentMethod": "string", "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" } }</pre>	<pre>{ "responseCode": 0, "responseMessage": "string", "accountNumber": "string", "reference": "string", "transactionDate": "string", "transactionId": 0, "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }, "storeId": "string", "terminalId": "string", "amount": 0, "rechargeDetails": { "rechargeType": "string", "callCentre": "string", "rechargeVendor": "string" } }</pre>

3.1.12 Purchase an Eezi Voucher

Request Example	Response Example
<pre>{ "reference": "string", "accountNumber": "string", "amount": 0, "productCode": "0", "storeId": "string", "terminalId": "string", "paymentMethod": "string", "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" } }</pre>	<pre>{ "responseCode": 0, "responseMessage": "string", "accountNumber": "string", "reference": "string", "transactionDate": "string", "transactionId": 0, "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }, "storeId": "string", "terminalId": "string", "amount": 0, "voucher": { "amount": 0, "expiryDate": "string", "pin": "string", "serialNumber": "string", "status": "string", "content": { "redemptionInstructions": "string", "termsAndConditions": "string" } } }</pre>

3.1.13 Lookup a Meter Number

Request Example	Response Example
<pre>{ "reference": "string", "accountNumber": "string", "amount": 0, "meterNumber": string, "isFBE": true "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" } }</pre>	<pre>{ "responseCode": 0, "responseMessage": "string", "accountNumber": "string", "reference": "string", "amount": 0, "transactionDate": "string", "transactionId": "string", "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }, "billingInfo": { "arrearValue": 0, "arrearDesc": "string", "maximumVendValue": 0, "minimumVendValue": 0, "tariffName": "string" }, "meterInfo": { "algorithmCode": "string", "customerInfo": { "address": "string", "name": "string" }, "keyRevisionNumber": "string", "meterNumber": "string", "supplyGroupCode": "string", "tariffIndex": "string", "tokenTechnology": "string", "utilityInfo": { "address": "string", "callCentre": "string", "name": "string", "vatNumber": "string" } }, "isFBE": true }</pre>

3.1.14 Purchase a Prepaid Utility Voucher

Request Example	Response Example
<pre>{ "reference": "string", "accountNumber": "string", "amount": 0, "meterNumber": string, "isFBE": true "storeId": "string", "terminalId": "string", "paymentMethod": "string", "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" } }</pre>	<pre>{ "responseCode": 0, "responseMessage": "string", "accountNumber": "string", "reference": "string", "transactionDate": "string", "transactionId": 0, "metadata": { "additionalProp1": "string", "additionalProp2": "string", "additionalProp3": "string" }, "storeId": "string", "terminalId": "string", "amount": 0, "billingInfo": { "arrearValue": 0, "arrearDesc": "string", "maximumVendValue": 0, "minimumVendValue": 0, "tariffName": "string" }, "debt": { "value": 0, "description": "string", "outstanding": "string", "tariffDescription": "string", "tax": 0, "taxInvoiceNumber": "string" }, "fixedCost": [{ "value": 0, "description": "string", "tariffDescription": "string", "tax": 0 }], "keyChangeTokenData": { "keyRevisionNumber": 0, "supplyGroupCode": 0, "tariffIndex": 0 }, "meterInfo": { "algorithmCode": "string", "customerInfo": { "address": "string", "name": "string" }, "keyRevisionNumber": 0, "meterNumber": "string", "supplyGroupCode": 0, "tariffIndex": 0, "tokenTechnology": "string", "utilityInfo": { "address": "string", "callCentre": "string", "name": "string", "vatNumber": "string" } }, "tariffBlocks": [{ "amount": 0, "costPerUnit": 0, </pre>

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4 Change Log

4.1 April 2023

- Added V4 Base structure.