

# KCB QUERY CORE TRANSACTION STATUS SPECIFICATION DOCUMENT

Version 1.0.0

## Introduction

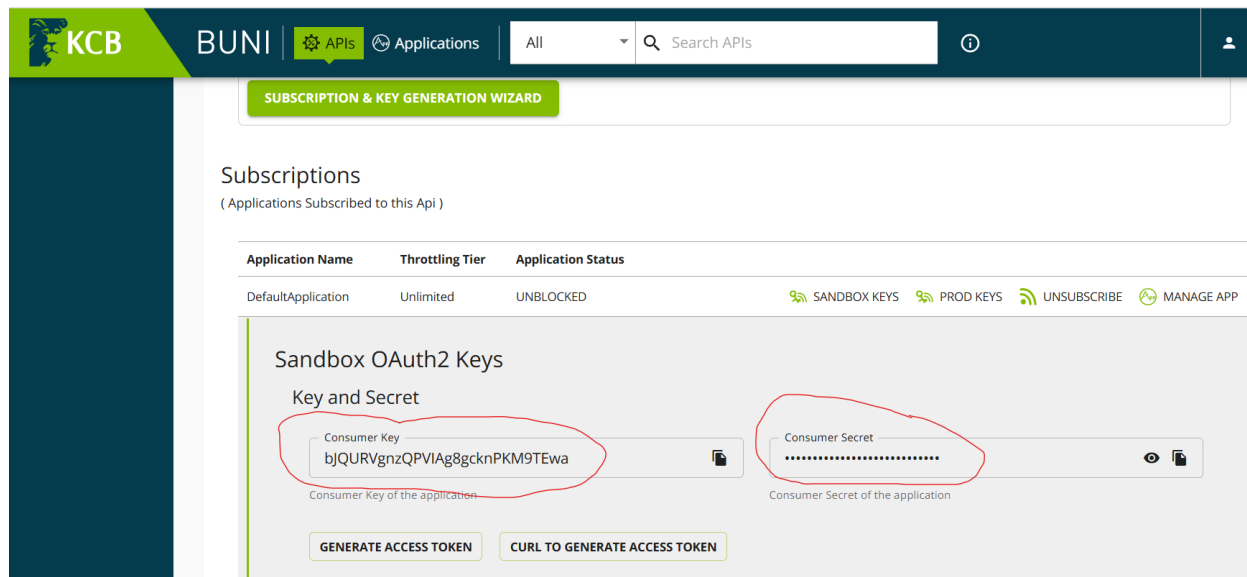
This document seeks to provide guidance and specifications on how to integrate to Query Core Transaction Status API.

## Authorization (Bearer Token)

To generate a token for the Query Core Transaction Status API, use:

**Endpoint:** [https://api.buni.kcbgroup.com/token?grant\\_type=client\\_credentials](https://api.buni.kcbgroup.com/token?grant_type=client_credentials)

Consumer Key and Consumer Secret on Sandbox Keys



**SUBSCRIPTION & KEY GENERATION WIZARD**

### Subscriptions

( Applications Subscribed to this Api )

Application Name	Throttling Tier	Application Status	
DefaultApplication	Unlimited	UNBLOCKED	<a href="#">Sandbox Keys</a> <a href="#">Prod Keys</a> <a href="#">Unsubscribe</a> <a href="#">Manage App</a>

#### Sandbox OAuth2 Keys

##### Key and Secret

Consumer Key  
**bjQURVgnzQPVIg8gcknPKM9TEwa**

Consumer Secret  
.....

Consumer Key of the application

Consumer Secret of the application

[GENERATE ACCESS TOKEN](#)
[CURL TO GENERATE ACCESS TOKEN](#)

To generate access tokens, you will have to pass basic authorization header whose value is base64encode of the two keys above separated by a colon with no spaces between e.g. Consumer Key: Consumer Secret. The following curl example command shows how to generate an access token from the above keys using the Password Grant type.

```
curl --location --request POST 'https://uat.buni.kcbgroup.com/token?grant_type=client_credentials' \
--header 'Authorization: Basic
RzNDRDU0QTK0T25PcFFxY1NvbFg3VFVuQmQpZnN0JjJeEdWeWJUTKBLMIRPYTFMUXdh' \
--header 'Cookie: 4b1f380494b4bbde9d5435be4996a54d=56b891aad02ec5ac0a2dc4f95247c6d'
```

## 1. Query Core Transaction Status Service

This API allows to query transaction details provisioned for use, it's **synchronous**.

**Endpoint:** <https://uat.buni.kcbgroup.com/v1/core/t24/querytransaction/1.0.0/api/transactioninfo>

### Request Parameter Definition

Field	Description	Presence	Type
<b>MessageID</b>	Provides for the unique message identifier	Mandatory	String
<b>featureCode</b>	Provides information about the features of this service	Mandatory	String
<b>featureName</b>	Provides information about the features of this service	Mandatory	String
<b>serviceCode</b>	This describes the service.	Mandatory	String
<b>serviceName</b>	This is the name of this service	Mandatory	String
<b>serviceSubCategory</b>	Provides information to what category the service belongs	Mandatory	String
<b>minorServiceVersion</b>	This is the version of the API	Mandatory	String
<b>channelCode</b>	Provides information of the channel used for this service	Mandatory	String
<b>channelName</b>	Provides information of the channel used for this service	Mandatory	String
<b>routeCode</b>	This is the service route code	Mandatory	String
<b>timeStamp</b>	Provides information on the time of the transaction	Mandatory	String
<b>serviceMode</b>	Provides information to whether the API is a SYNC or ASYNC	Mandatory	String
<b>callbackURL</b>	This callback is left empty since the API is a SYNC	Optional	String
<b>requestPayload</b>		Mandatory	
<b>transactionInfo</b>		Mandatory	
<b>primaryData</b>		Mandatory	
<b>businessKey</b>	This refers to your business key or number	Mandatory	String
<b>businessKeyType</b>	This is the reference of a transaction	Mandatory	String

additionalDetails		Mandatory	
companyCode	This is the KCB company code.	Mandatory	String

### Sample Request

```
{
  "header": {
    "messageID": "{{ $guid }}",
    "featureCode": "101",
    "featureName": "FinancialInquiries",
    "serviceCode": "1004",
    "serviceName": "TransactionInfo",
    "serviceSubCategory": "ACCOUNT",
    "minorServiceVersion": "1.0",
    "channelCode": "206",
    "channelName": "ibank",
    "routeCode": "001",
    "timeStamp": "22222",
    "serviceMode": "sync",
    "subscribeEvents": "1",
    "callbackURL": ""
  },
  "requestPayload": {
    "transactionInfo": {
      "primaryData": {
        "businessKey": "206FT22095BHW5W",
        "businessKeyType": "FT.REF"
      },
      "additionalDetails": {
        "companyCode": "KE0010001"
      }
    }
  }
}
```

## Response Parameter Definition

Field	Description	Presence	Type
<b>orderingCustomer</b>			
<b>orderingBankCode</b>	Provides information on the ordering bank code number.	Mandatory	String
<b>debitAccountNo</b>	Shows the debit account	Mandatory	String
<b>debitCurrency</b>	Provides information on what currency is being used	Mandatory	String
<b>localAmtDebited</b>	Shows the amount debited	Mandatory	String
<b>debtorReference</b>	Shows what type of an account the debit account is.	Mandatory	String
<b>debitCompCode</b>	Provides debit code of the bank	Mandatory	String
<b>debitCurrencyMkt</b>	Shows the code of the currency used	Mandatory	String
<b>amountDebited</b>	Provides information on the amount debited	Mandatory	String
<b>debitAmount</b>	Shows the amount debited	Mandatory	String
<b>debitDate</b>	Shows the date when the transaction happened	Mandatory	String
<b>additionalDetails</b>	Provides more details of the transaction	Mandatory	String
<b>localPOSChargeAmount</b>	Provides details on amount charge on a POS	Mandatory	String
<b>authorizationDate</b>	Date of the transaction	Mandatory	String
<b>StatementInfo</b>	Provides more information of the statement		
<b>statementNo</b>	This is a number where that shows the transaction	Mandatory	String
<b>departmentCode</b>	The code that provides information about the bank	Mandatory	String
<b>retrievalRefNo</b>	The is the references number of retrieving the transaction	Mandatory	String

<b>accountWorkingBalance</b>	This shows the account balance	Mandatory	String
<b>customerChargeAmount</b>	This shows the amount changed on customer	Mandatory	String
<b>agentCommissionAmount</b>	This shows the amount paid to an agent as a commission	Mandatory	String
<b>debitAccountNo</b>	Shows the debit account	Mandatory	String
<b>debitCurrency</b>	Provides information on what currency is being used	Mandatory	String
<b>customerSpread</b>	indicates the difference or margin applied to a financial transaction, such as an exchange rate or interest rate spread	Mandatory	String
<b>TaxType</b>	This is a code to represent the tax type	Mandatory	String
<b>companyCode</b>	This is the KCB company code	Mandatory	String
<b>falconAccount</b>	Represents a specific account number or identifier used for the transaction, likely associated with fraud monitoring or additional transaction tracking.	Mandatory	String
<b>chargeAccountNo</b>	The account number being credited	Mandatory	String
<b>totalRcvdChargeLocal</b>	represents the total amount of charges received (e.g., fees or costs) in the local currency for the transaction	Mandatory	String
<b>processingDate</b>	This is the date of the transaction	Mandatory	String
<b>sourceMessageID</b>	identifies the unique ID of the message or transaction in the originating system	Mandatory	String
<b>availableBalance</b>	Shows the balance of the account	Mandatory	String

## Successful Sample Response

```
{
  "responsePayload": {
    "transactionInfo": {
      "orderingCustomer": {
        "orderingBankCode": "KCB BANK LTD",
        "debitAdviseReqdIndicator": "NO",
        "debitAccountNo": "xxxxxxx",
        "debitCurrency": "KES",
        "localAmtDebited": "10.00",
        "debtorReference": "SELFACCOUNT",
        "debitCompCode": "xxxxxxx",
        "debitCurrencyMkt": "1",
        "amountDebited": "KES10.00",
        "debitAmount": "10.00",
        "debitDate": "20220405"
      },
      "additionalDetails": {
        "localPOSChargeAmount": "0.35",
        "positionType": "TR",
        "authorizationDate": "20220405",
        "statementInfo": {
          "statementNo": [
            "2036453100000"
          ]
        },
        "departmentCode": "XXXXX",
        "retrievalRefNo": "20610022023115724674",
        "accountWorkingBalance": "26191628.99",
        "customerChargeAmount": "",
        "agentCommissionAmount": "",
        "totalRcvdCommissionLocal": "0",
        "customerSpread": "",
        "taxType": "38",
        "companyCode": "KE0010001",
        "currencyNo": "1",
        "totalRcvdCharge": "0",
        "authorizer": "53164_MWBAINUSER.02_OFS_TWS",
        "totalChargeAmount": "KES0.35",
        "profitCenterCode": "",
        "taxAmount": "KES0.05",
        "totalTaxAmount": "KES0.05",
        "totalRcvdChargeCurrency": "0",
        "chargeCode": "WAIVE",
        "commissionAmount": "KES0.30",
        "totalSndrChargeCurrency": "0.35",
```

```

"inputterInfo": "53164_MWBAINUSER.02__OFS_TWS",
"chargeCommDisplayIndicator": "NO",
"falconAccount": "xxxxxxx",
"chargeAccountNo": "xxxxxx",
"totalRcvdChargeLocal": "0",
"processingDate": "20220405",
"sourceMessageID": "206",
"mktgExchangeProfit": "",
"baseCurrency": "",
"availableBalance": "XXXX",
"customerGroupLevel": "1",
"chargedCustomerID": "XXXXXXXXXX",
"totalCreditAmount": "",
"commissionCode": "DEBIT PLUS CHARGES",
"roundType": "NATURAL",
"paymentDetails": "School fees",
"uniqueID": "20610022023115724674",
"rateFixingIndicator": "NO",
"localChargeAmount": "0.35",
"fedFundsIndicator": "NO",
"inputterTimeStamp": "2310021157",
"returnToDeptCode": "NO",
"commissionType": "CARDODCHG",
"transactionType": "ACAE",
"localTotalTaxAmount": "0.05",
"ssReason": "",
"totalRcvdCommission": "0",
"sourceMessageType": "0200830000",
"offlineUniqueID": "20610022023115724674"
},
"beneficiaryCustomer": {
  "creditAccountNo": "xxxxxxx",
  "amountCredited": "KES10.00",
  "debitCustomerID": "220540",
  "creditAdviseReqdIndicator": "NO",
  "creditCompCode": "xxxxxxx",
  "creditorReference": "SELFACCOUNT",
  "creditCustomerID": "000000XX",
  "creditDate": "20220405",
  "treasuryRate": "",
  "beneficiaryName": "TESTING BENEFICIARY",
  "localAmtCredited": "10.00",
  "creditCurrencyMkt": "1",
  "creditCurrency": "KES"
}
}
},

```

```

"header": {
  "routeCode": "XXXX",
  "statusDescription": "Success",
  "conversationID": "bc58df35",
  "targetSystemID": "NotAvailable",
  "messageID": "b0dedd04",
  "messageCode": "00",
  "ehfInfo": {
    "ehfRef": "XXXXX",
    "ehfDesc": "Processed Successfully"
  },
  "statusMessage": "Success",
  "statusCode": "0"
}
}

```

#### Failed Sample Response

```

{
  "responsePayload": null,
  "header": {
    "routeCode": "XXXX",
    "statusDescription": "ERROR",
    "callbackURL": null,
    "conversationID": null,
    "targetSystemID": null,
    "messageID": "ecXXX416a80",
    "messageCode": null,
    "ehfInfo": {
      "ehfRef": "XXXX",
      "ehfDesc": "error"
    },
    "statusMessage": "FAILED",
    "statusCode": "1",
    "errorDetails": [
      {
        "errorMessage": null,
        "errorCode": null,
        "items": [
          "Error detail."
        ]
      }
    ]
  }
}

```



### HTTP Response Codes

Response code	Description
200	Request processed successfully
400	Bad request
401	Unauthorized request
403	Request is forbidden
404	The request resource is not found
500	Internal Host Error
503	Service unavailable

## APPENDIX

### Abbreviations

Abbreviation	Meaning
API	Application Programming Interface
HTTP	Hyper Text Transfer Protocol
HTTPS	HTTP over TLS
URI	Uniform Resource Identifier

<b>XML</b>	Extensible Markup Language
<b>JSON</b>	JavaScript Object Notation