

KCB QUERY CORE TRANSACTION STATUS SPECIFICATION DOCUMENT

Version 1.0.0

Introduction

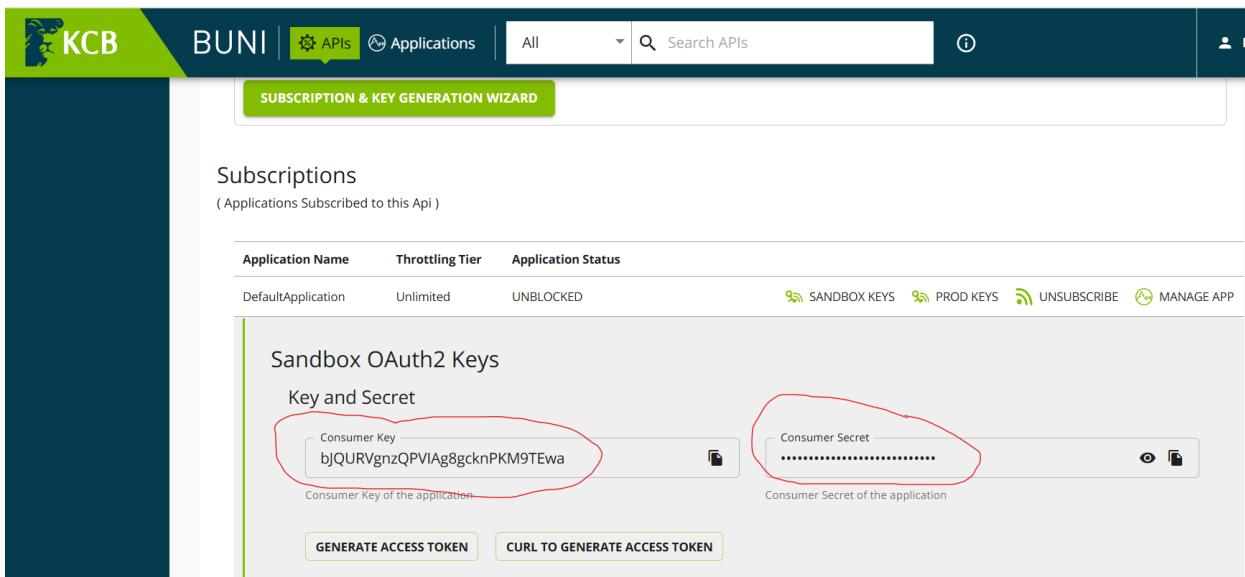
This document seeks to provide guidance and specifications on how to integrate to Query Core Transaction Status API.

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

Consumer Key and Consumer Secret on Sandbox Keys



The screenshot shows the 'SUBSCRIPTION & KEY GENERATION WIZARD' interface. Under 'Subscriptions', there is one entry: 'DefaultApplication' with 'Unlimited' throttling tier and 'UNBLOCKED' status. Below this, the 'Sandbox OAuth2 Keys' section displays two fields: 'Consumer Key' (value: 'bjQURVgnzQPVIAg8gcknPKM9TEwa') and 'Consumer Secret' (value: '.....'). Both fields have a red oval drawn around them, indicating they are the values to be used for generating tokens.

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
RzNDRDU0QTK0T25PcFFxY1NvbFg3VFVuQmQpzN0JjJeEdWeWJUTKBLMIRPYTFMUXdh' \
--header 'Cookie: 4b1f380494b4bbde9d5435be4996a54d=56b891aadc02ec5ac0a2dc4f95247c6d'
```

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
MessageID	Provides for the unique message identifier	Mandatory	String
featureCode	Provides information about the features of this service	Mandatory	String
featureName	Provides information about the features of this service	Mandatory	String
serviceCode	This describes the service.	Mandatory	String
serviceName	This is the name of this service	Mandatory	String
serviceSubCategory	Provides information to what category the service belongs	Mandatory	String
minorServiceVersion	This is the version of the API	Mandatory	String
channelCode	Provides information of the channel used for this service	Mandatory	String
channelName	Provides information of the channel used for this service	Mandatory	String
routeCode	This is the service route code	Mandatory	String
timeStamp	Provides information on the time of the transaction	Mandatory	String
serviceMode	Provides information to whether the API is a SYNC or ASYNC	Mandatory	String
callBackURL	This callback is left empty since the API is a SYNC	Optional	String
requestPayload		Mandatory	
transactionInfo		Mandatory	
primaryData		Mandatory	
businessKey	This refers to your business key or number	Mandatory	String
businessKeyType	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
orderingCustomer			
orderingBankCode	Provides information on the ordering bank code number.	Mandatory	String
debitAccountNo	Shows the debit account	Mandatory	String
debitCurrency	Provides information on what currency is being used	Mandatory	String
localAmtDebited	Shows the amount debited	Mandatory	String
debtorReference	Shows what type of an account the debit account is.	Mandatory	String
debitCompCode	Provides debit code of the bank	Mandatory	String
debitCurrencyMkt	Shows the code of the currency used	Mandatory	String
amountDebited	Provides information on the amount debited	Mandatory	String
debitAmount	Shows the amount debited	Mandatory	String
debitDate	Shows the date when the transaction happened	Mandatory	String
additionalDetails	Provides more details of the transaction	Mandatory	String
localPOSChargeAmount	Provides details on amount charge on a POS	Mandatory	String
authorizationDate	Date of the transaction	Mandatory	String
StatementInfo	Provides more information of the statement		
statementNo	This is a number where that shows the transaction	Mandatory	String
departmentCode	The code that provides information about the bank	Mandatory	String
retrievalRefNo	The is the references number of retrieving the transaction	Mandatory	String

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

```

    "inpuiterInfo": "53164_MWBAINUSER.02__OFS_TWS",
    "chargeCommDisplayIndicator": "NO",
    "falconAccount": "xxxxxx",
    "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",
    "inpuiterTimeStamp": "2310021157",
    "returnToDeptCode": "NO",
    "commissionType": "CARDODCHG",
    "transactionType": "ACAE",
    "localTotalTaxAmount": "0.05",
    "ssReason": "",
    "totalRcvdCommission": "0",
    "sourceMessageType": "0200830000",
    "offlineUniqueID": "20610022023115724674"
},
"beneficiaryCustomer": {
    "creditAccountNo": "xxxxxx",
    "amountCredited": "KES10.00",
    "debitCustomerID": "220540",
    "creditAdviseReqdIndicator": "NO",
    "creditCompCode": "xxxxxx",
    "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

XML	Extensible Markup Language
JSON	JavaScript Object Notation