

Version	Date	Changes
<b>1.00</b>	15 March 2023	First and Initial version of APIs
<b>1.01</b>	01 April 2023	Add default page at get_transaction API. Add from and to at get_transaction API. Add get_accounts API.
<b>1.02</b>	20 April 2023	Add create_transfer API. Add get_bank_config API. Add get_transfer API. Add update_transfer_queue API. Add update_otp API. Add update_otp2 API.

## **Bank API**



**Note:**

The bank robot is designed based on the HTML structure of the banking website during development, it may not work when the site is decided to update its HTML source.

## Overview

<b>Base URL</b>	<a href="https://bank.kissvips.com/api/">https://bank.kissvips.com/api/</a>
<b>Public Key (pkey)</b>	33e79a5af876e532120c36aebb752963
<b>Secret Key (sKey)</b>	70689ca45f222dc054f19bc3ecdfc546

The complete API URL is **[Base URL] + [URL Name]**. Example to perform login, the complete API URL is [https://bank.kissvips.com/api/get\\_transaction](https://bank.kissvips.com/api/get_transaction).  
 Every API need to be requested using POST method.  
 Every API will return the result in JSON format.  
 Every request needs to append with these parameters:

**Table 2: Mandatory Parameters for all API Requests**

Parameters	Type	Max Length	Required	Remark
pkey	string	32	Yes	The public key assigned
time	float	-	Yes	Current Epoch time when making the request. Each Epoch time must be unique and cannot offset more than 120 seconds. Up to 2 decimal places is allowed.
signature	string	32	Yes	Can be generated using formula: md5(time + skey)

Assume your skey is **P2B5jwQXiw60I5ic9s8MeWniG1o9GteS** and current Unix Epoch time, time is **1564895669.02**, hence your signature can be obtained using:

```
md5(1564895669.02P2B5jwQXiw60I5ic9s8MeWniG1o9GteS)
```

Result is:

```
dacf1a335219b1a19e8ffc7c4b48d436
```

(Convert to non-capital letter)

## Url: create\_transfer

This is the create a new transfer, after created, the default status will be “Pending”.

More about transfer’s status can refer to **Appendix A: Transfer Status**.

### Request

Parameters	Type	Max Length	Required	Remark
from_bank_account_id	integer	-	Yes	The specific bank account to be used to transfer. Refer to <code>get_account</code> API.
to_bank_id	integer	-	Yes	The specific bank id to transfer to. Refer to <code>get_bank_config</code> API.
to_account_no	integer	128	Yes	The account no of the bank to transfer
amount	float	-	Yes	Must be greater than zero, and less than pre-defined maximum transfer in system.
remark	string	16	No	Any transaction remark

### Response

Parameters	Remark
status	The status of the request.
transfer_id	The unique ID of this transfer.

Sample of the responses:

```
{
  "response": {
    "status": "OK",
    "transfer_id": 2
  }
}
```

**Url: get\_account**

### Request

Parameters	Type	Max Length	Required	Remark
-	-	-	-	-

### Response

Parameters	Remark
status	The status of the request.
accounts	The list of the active accounts that available in the system.
id	The unique ID of bank account
bank_name	The bank name of the account
account_username	The username of the account

Sample of the responses:

```
{
  "response": {
    "status": "OK",
    "accounts": [
      {
        "id": 1,
        "bank_name": "KBank",
        "account_username": "FIFA007"
      },
      {
        "id": 2,
        "bank_name": "SCB",
        "account_username": "Nopa7878"
      }
    ]
  }
}
```



**Url: get\_bank\_config**

### Request

Parameters	Type	Max Length	Required	Remark
-	-	-	-	-

### Response

Parameters	Remark
status	The status of the request.
accounts	The list of the available banks in the system.
id	The unique ID of bank
code	The unique code of bank
name	The name of bank

Sample of the responses:

```
{
  "response": {
    "status": "OK",
    "accounts": [
      {
        "id": 1,
        "code": "002",
        "name": " BANGKOK BANK PUBLIC COMPANY LTD."
      },
      {
        "id": 2,
        "code": "004",
        "name": " KASIKORNBANK"
      },
      {...}
    ]
  }
}
```

**Url: get\_transaction****Request**

Parameters	Type	Max Length	Required	Remark
bank_account_id	integer	-	Yes	The transaction of the specific bank account. Refer to get_account API.
page	integer	-	No	The current page for the history. Page starts from 1 and provide 25 records per page. (Subject to change by system config). If not provided, will assume to be page 1.
from	datetime	-	No	Format Y-m-d H:i:s, if not provided, will assume to be: 2020-01-01 00:00:00
to	datetime	-	No	Format Y-m-d H:i:s, if not provided, will assume to be: 2100-01-01 00:00:00

**Response**

Parameters	Remark
status	The status of the request.
bank_name	The bank name requested.
account_username	The bank account username requested.
transactions	The transactions of the bank account, order by latest to oldest, according to page specified.
id	The unique ID of transaction
bank_id	The unique ID of the bank
bank_account_id	The unique ID of the bank account
datetime	The datetime of the transaction
amount	The amount of the transaction
description	The description of the transaction
crawl_id	The crawl ID of this transaction

Sample of the responses:

```
{
  "response": {
    "status": "OK",
    "bank_name": "SCB",
    "account_username": "Nopa7878",
    "transactions": [
      {
        "id": 140,
        "bank_id": 2,
        "bank_account_id": 2,
        "datetime": "2023-03-15T15:20:00.000000Z",
        "amount": "50.0000",
        "description": "กรุงเทพ (KTB) /X434783",
        "crawl_id": 719
      },
      {...}
    ]
  }
}
```

**Url: get\_transfer****Request**

Parameters	Type	Max Length	Required	Remark
transfer_id	integer	-	Yes	The unique ID for the transfer. Refer to create_transfer API.

**Response**

Parameters	Remark
status	The status of the request.
transfer	The detail of the transfer
id	The unique ID of transaction
bank_id	The unique ID of the bank
bank_account_id	The unique ID of the bank account
created_at	The datetime of the transfer being created
bank_config_id	The unique ID of the bank to transfer to
to_bank	The name of the bank to transfer to
to_account	The account no of the bank to transfer to
amount	The amount of the transfer
remark	The remark of the transfer
otp	The OTP #1 for the transfer
otp_2	The OTP #2 for the transfer
status	The status of the transfer. More about transfer's status can refer to <b>Appendix A: Transfer Status</b> .

Sample of the responses:

```
{
  "response": {
    "status": "OK",
    "transfer": [
      {
        "id": 3,
        "bank_id": 2,
        "bank_account_id": 4,
        "datetime": "2023-04-05T15:06:37.000000Z",
        "bank_config_id": 2,
        "to_bank": "KASIKORNBANK",
        "to_account": "1463915322",
        "amount": "5.0000",
        "remark": "T1",
        "otp": 12345,
        "otp_2": 54321,
        "status": "S"
      },
      {...}
    ]
  }
}
```

## Url: update\_otp

### Request

Parameters	Type	Max Length	Required	Remark
transfer_id	integer	-	Yes	The transfer ID obtained from create_transfer API.
otp	string	16	Yes	The OTP required.

### Response

Parameters	Remark
status	The status of the request.

Sample of the responses:

```
{
  "response": {
    "status": "OK"
  }
}
```

## Url: update\_otp2

### Request

Parameters	Type	Max Length	Required	Remark
transfer_id	integer	-	Yes	The transfer ID obtained from create_transfer API.
otp_2	string	16	Yes	The OTP #2 required.

### Response

Parameters	Remark
status	The status of the request.

Sample of the responses:

```
{
  "response": {
    "status": "OK"
  }
}
```



## Url: update\_transfer\_queue

This is to update the status of the transfer to “Queue”. Only able to update it when the current status is “Pending” or “Failed”.

More about transfer’s status can refer to **Appendix A: Transfer Status**.

### Request

Parameters	Type	Max Length	Required	Remark
transfer_id	integer	-	Yes	The transfer ID obtained from create_transfer API.

### Response

Parameters	Remark
status	The status of the request.

Sample of the responses:

```
{
  "response": {
    "status": "OK"
  }
}
```

## **Appendix A**

**Transfer Status**

<b>Code</b>	<b>Name</b>
P	Pending
Q	Queue
S	Success
F	Failed
R *	Running

**\* Not using at this moment**

## **Appendix B**

### Transfer flow

