

| Version | Date | Changes |
|-------------|---------------|--|
| 1.00 | 15 March 2023 | First and Initial version of APIs |
| 1.01 | 01 April 2023 | Add default page at get_transaction API. Add from and to at get_transaction API. Add get_accounts API. |
| 1.02 | 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. |
| 1.03 | 27 April 2023 | Add check_transaction API. Add redeem_transaction API. |
| 1.04 | 03 May 2023 | Rework check_transaction API |
| 1.05 | 09 July 2023 | Add status to get_bank_config API. Add create_payment_gateway_deposit API. Add check_deposit_status 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

| | |
|--------------------------|---|
| Base URL | https://bank.kissvips.com/api/ |
| Public Key (pkey) | 33e79a5af876e532120c36aebb752963 |
| Secret Key (sKey) | 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.

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: check_deposit_status

This is to check if the status of the payment gateway deposit created.

Request

| Parameters | Type | Max Length | Required | Remark |
|------------|--------|------------|----------|--|
| signature | string | 32 | Yes | The specific signature obtains from <code>create_payment_gateway_deposit</code> API. |

Response

| Parameters | Remark |
|------------------|--|
| status | The status of the request. |
| deposit | The overall information of the deposit. (if exist) |
| token | The token of the deposit, obtained from <code>create_payment_gateway_deposit</code> API. |
| is_token_used | The indicator if the token is used, 0 = no used, 1 = used. |
| token_expired_at | The token expiry date |
| token_used_at | The date time token being used |
| amount | The amount of the deposit |
| created_at | The date time that the deposit is created |
| error_message | The error message of the current deposit, if any. |
| status | The current status of the deposit, refer to Appendix for more details. |

Sample of the responses:

```
{
  "response": {
    "status": "OK",
    "deposit": {
      "token": "d464368f434355bf3f8a2298df32ff6c",
      "is_token_used": 1,
      "token_expired_at": "2023-05-13T14:10:41.000000Z",
      "token_used_at": "2023-05-13T13:55:54.000000Z",
      "amount": "10.0000",
      "created_at": "2023-05-13T13:55:41.000000Z",
      "error_message": "Transfer Error",
      "status": "E"
    }
  }
}
```

Url: check_transaction

This is to check if the transaction exist with the provided detail.

Request

| Parameters | Type | Max Length | Required | Remark |
|------------------------|---------|------------|----------|--|
| from_bank_id | integer | - | Yes | The specific bank id of the player's bank. Refer to get_bank_config API. |
| from_bank_account_name | string | 128 | Yes | The account name of player's bank |
| from_bank_account_no | string | 128 | Yes | The account no of player's bank |
| amount | float | - | Yes | Must be a numeric number. |

Response

| Parameters | Remark |
|-------------------|--|
| status | The status of the request. |
| transactions | The overall information of the transaction. (if exist) |
| id | The unique ID of transaction |
| bank_id | The unique bank ID of the transaction |
| bank_account_id | The unique bank account ID of the transaction |
| datetime | The date time of the transaction |
| amount | The amount of the transaction |
| description | The description of the transaction |
| from_bank_id | The Bank ID of the originated bank |
| from_account_name | The Account name of the originated bank |
| from_account_no | The Account no of the originated bank |
| crawl_id | The unique crawl ID for the transaction |
| is_redeemed | 0 or 1. Indicate the transaction is redeemed or not. |

Sample of the responses:

```
{
  "response": {
    "status": "OK",
    "transactions": [
      {
        "id": 143,
        "bank_id": 2,
        "bank_account_id": 2,
        "datetime": "2023-03-15 23:20:00",
        "amount": "50.0000",
        "description": "กรุงไทย (KTB) /X434783",
        "from_bank_id": null,
        "from_account_name": "",
        "from_account_no": "X434783",
        "crawl_id": 13,
        "is_redeemed": 0
      },
      {...}
    ]
  }
}
```

Url: create_payment_gateway_deposit

This is to create a new deposit via payment gateway. More about transfer's status can refer to **Appendix A: Transfer Status**.

Request

| Parameters | Type | Max Length | Required | Remark |
|---------------------|---------|------------|----------|--|
| from_bank_config_id | integer | - | Yes | The specific bank id to transfer to. Refer to get_bank_config API. |
| amount | float | - | Yes | Must be greater than zero, and less than pre-defined maximum transfer in system. |
| postback_url | string | 512 | Yes | The postback URL that will call once the deposit is success or fail. |

Response

| Parameters | Remark |
|------------|--------------------------------------|
| status | The status of the request. |
| token | The unique token for this deposit. |
| expired_at | The datetime where the token expired |

Sample of the responses:

```
{
  "response": {
    "status": "OK",
    "token": "d8b7015803539e9c532c7d16e8658e19",
    "expired_at": "2023-05-15 19:12:37"
  }
}
```

Url: create_transfer

This is to 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 get_account API. |
| to_bank_id | integer | - | Yes | The specific bank id to transfer to. Refer to get_bank_config 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 |
| status | The status of the bank |

Sample of the responses:

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

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 Appendix A: Transfer Status . |

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: redeem_transaction

This will update the transaction redeem status from 0 to 1.

Request

| Parameters | Type | Max Length | Required | Remark |
|----------------|---------|------------|----------|--|
| transaction_id | integer | - | Yes | The transaction ID obtained from <code>check_transaction</code> API. |

Response

| Parameters | Remark |
|-----------------|--|
| status | The status of the request. |
| transaction | The overall information of the transaction. (if exist) |
| id | The unique ID of transaction |
| bank_id | The unique bank ID of the transaction |
| bank_account_id | The unique bank account ID of the transaction |
| datetime | The date time of the transaction |
| amount | The amount of the transaction |
| description | The description of the transaction |
| crawl_id | The unique crawl ID for the transaction |
| is_redeemed | 0 or 1. Indicate the transaction is redeemed or not. |

Sample of the responses:

```
{
  "response": {
    "status": "OK",
    "transaction": {
      "id": 710,
      "bank_id": 3,
      "bank_account_id": 5,
      "datetime": "2023-03-21 16:00:00",
      "amount": "20.0000",
      "description": "SCB\nFrom Acc No. : X517188\nRef. No. : 1402517188",
      "crawl_id": 27,
      "is_redeemed": 1
    }
  }
}
```

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

| Code | Name |
|------|---------|
| P | Pending |
| Q | Queue |
| S | Success |
| F | Failed |
| R * | Running |

*** Not using at this moment**

Deposit Status

| Code | Name |
|------|-----------------------|
| C | Deposit Just Created |
| W | Waiting to Login |
| L | Client Logged In |
| B | Bot Logged In |
| O | Waiting OTP #1 |
| I | Client Entered OTP #1 |
| T | Waiting OTP #2 |
| N | Client Entered OTP #2 |
| S | Success |
| E | Error |

Bank Config Status

| Code | Name |
|-------------|-------------|
| A | Active |
| D | Disabled |

Appendix B

Transfer flow

