

Blocklite API Endpoints

All users have a hash key needed to identify them.

Change Log

03/17/2021 - Completed documentation v1.

bl_getAddressBalance	2
bl_getAddress	3
bl_getAccountBalance	4
bl_createUser	5
bl_changePassword	7
bl_getTransaction	10
bl_getTransactions	11
bl_getUser	13
bl_fulfillExchangeRequest	18
bl_getActiveRequests	18
bl_getTransactionList	18
bl_getCity	18
bl_getAccount	18
bl_getAccountAdmin	18

bl_getAddressBalance

REQUEST

POST

http://localhost:3000/api/v1/bl_getAddressBalance/0x3ac61d016357cff568a677e588e04217

Headers

Content-Type: application/json

Request Payload

- ID: [Required] - INTEGER - id or linx of the address.
- user_pwd: [Required] - STRING - password for the identified user. User must own the address.

Example

```
{  
  "ID": "0x3ac5c0ef14ff0a6b8419d7e413be12f0",  
  "user_pwd": "google123"  
}
```

RESPONSE

Will return the balance of a given address, indicated by the ID in the payload.

Body

```
{  
  "status": "SUCCESS",  
  "message": "info retrieved",  
  "data": {  
    "id": 10003,  
    "linx": "0x3ac5c0ef14ff0a6b8419d7e413be12f0",  
    "is_unfeeable": true,  
    "created_at": "2020-01-22T19:45:51.000-05:00",  
    "updated_at": "2020-01-22T19:45:51.000-05:00",  
    "contract": 10000,  
    "contract_linx": "0x3ac5ddb4cd12b8842ed7a7c8436ee8b0",  
    "contract_name": "BlockliteUSD",  
    "contract_short_name": "BLO",  
    "balance": "0.0",  
    "usages": 0  
  }  
}
```

bl_getAddress

REQUEST

POST

http://localhost:3000/api/v1/bl_getAddress/0x3ac61d016357cff568a677e588e04217

Headers

Content-Type: application/json

Request Payload

- ID: [Required] - INTEGER - id or linx of the address.
- accountID: [Optional] - INTEGER - id or linx of the account.
- user_pwd: [Required] - STRING - password for the identified user. User must own the address.

Example

```
{
  "ID": "0x9c42aadd1a81acf71f43d1538cc8a413",
  "accountID": "",
  "user_pwd": "google123"
}
```

RESPONSE

Will return the balance of a given address, indicated by the ID in the payload.

Body

```
{
  "status": "SUCCESS",
  "message": "info retrieved",
  "data": {
    "id": 18700,
    "linx": "0x9c42aadd1a81acf71f43d1538cc8a413",
    "is_unfeeable": false,
    "created_at": "2020-05-06T14:50:56.000-04:00",
    "updated_at": "2020-05-06T14:50:56.000-04:00",
    "contract": 10002,
    "contract_linx": "0x1088fa73711af64932dceb8a640d5bc1",
    "contract_name": "Calimari",
    "contract_short_name": "CAL",
    "balance": "4855.224263",
    "usages": 3
  }
}
```

bl_getAccountBalance

REQUEST

POST

http://localhost:3000/api/v1/bl_getAccountBalance/0x3ac61d016357cff568a677e588e04217

Headers

Content-Type: application/json

Request Payload

- ID: [Required] - INTEGER - id or linx of the address.
- user_pwd: [Required] - STRING - password for the identified user. User must own the address.

Example

```
{  
  "ID": "0x1037d47de4000d54cb8533ffa39f9c0",  
  "user_pwd": "google123"  
}
```

RESPONSE

Will return the balance of a given account, indicated by the ID in the payload.

Body

```
{  
  "status": "SUCCESS",  
  "message": "info retrieved",  
  "data": {  
    "id": 10003,  
    "linx": "0x3ac5c0ef14ff0a6b8419d7e413be12f0",  
    "is_unfeeable": true,  
    "created_at": "2020-01-22T19:45:51.000-05:00",  
    "updated_at": "2020-01-22T19:45:51.000-05:00",  
    "contract": 10000,  
    "contract_linx": "0x3ac5ddb4cd12b8842ed7a7c8436ee8b0",  
    "contract_name": "BlockliteUSD",  
    "contract_short_name": "BLO",  
    "balance": "0.0",  
    "usages": 0  
  }  
}
```

bl_createUser

REQUEST

POST

http://localhost:3000/api/v1/bl_createUser/0x3ac61d016357cff568a677e588e04217

Headers

Content-Type: application/json

Request Payload

- userHandle: [Required] - INTEGER - user handle..
- userEmail: [Required] - INTEGER - user account email address, needs to be unique or a failure message will be returned.
- userPassword: [Required] - INTEGER - password identifying the user. Password needs to be at least 8 characters long or a failure message will be returned.
- userName: [Required] - INTEGER - a name that identifies the user.
- user_pwd: [Required] - STRING - administrator password allowing the creation of a user within blocklite.
- contract_id: [Required] - INTEGER - accounts will be created under this contract denominator.
- is_unfeeable: [Optional] - BOOLEAN - if the user accounts are exempts of fees. Default: FALSE.
- auto_create_account: [Optional] - BOOLEAN - if the procedure should create accounts for the user or only the user itself. Default: TRUE..
- mandatory_accounts: [Optional] - BOOLEAN - if all the default accounts should be created for the user. Default: TRUE..

Example

```
{
  "userHandle":"MASTER_TTK",
  "userEmail":"ttkmaster@gmail.com",
  "userPassword":"Google123!",
  "userName":"MasterTTK",
  "user_pwd":"google123",
  "contract_id":"0x6a82389fa0a1b609cf53939e3f50f125",
  "is_unfeeable":"true",
  "auto_create_account":true,
  "mandatory_accounts": false
}
```

RESPONSE

Will return all the information pertaining to the newly created user.

Body

```
{
  "status": "SUCCESS",
  "message": "info retrieved",
  "data": [
    {
      "id": 10296,
      "handle": "MASTER_TTK2",
      "linx": "0x68584b69d2695cdc5e6e89a02f4d0f55",
      "email": "ttkmaster2@gmail.com",
      "is_active": true,
      "is_blocked": false,
      "is_restricted": false,
      "is_admin": false,
      "created_at": "2021-03-18T09:07:43.000-04:00",
      "updated_at": "2021-03-18T09:07:43.000-04:00"
    }
  ],
  "default_account": [
    {
      "id": 10472,
      "alias": "Acct: MASTER_TTK2 (TTF)",
      "linx": "0xc9555af124b9ea56ef1f969607dfa89d",
      "private_key": "0x4b55a20fefcf26a2b2e81142bc322766",
      "is_active": true,
      "is_unfeeable": true,
      "created_at": "2021-03-18T09:07:43.000-04:00",
      "updated_at": "2021-03-18T09:07:43.000-04:00",
      "default_address_id": 18916,
      "default_address_linx": "0xdfc22291c266a1d76f712bb4fae77bb7",
      "contract": 10010,
      "contract_linx": "0x6a82389fa0a1b609cf53939e3f50f125",
      "contract_name": "TuTikTok",
      "contract_short_name": "TTF",
      "contract_rate": "1.0",
      "balance": "0.0",
      "balance_usd": "0.0"
    }
  ],
  "default_address": {
    "id": 18916,
    "linx": "0xdfc22291c266a1d76f712bb4fae77bb7",
    "is_unfeeable": true,
    "created_at": "2021-03-18T09:07:43.000-04:00",
    "updated_at": "2021-03-18T09:07:43.000-04:00",
    "contract": 10010,
    "contract_linx": "0x6a82389fa0a1b609cf53939e3f50f125",
    "contract_name": "TuTikTok",
    "contract_short_name": "TTF",
    "balance": "0.0",
    "usages": 0
  }
}
```

bl_changePassword

REQUEST

POST

http://localhost:3000/api/v1/bl_changePassword/0x3ac61d016357cff568a677e588e04217

Headers

Content-Type: application/json

Request Payload

- new_password: [Required] - INTEGER - user handle..
- user_pwd: [Required] - STRING - current password for the user initiating the transaction, this user needs to be owner of the fromAddress.

Example

```
{  
  "new_password": "google123",  
  "user_pwd": "google123"  
}
```

RESPONSE

Will return all the information pertaining to the newly created user.

Body

```
{  
  "status": "SUCCESS",  
  "message": "password changed",  
  "data": [  
    {  
      "id": 10000,  
      "handle": "jbenison",  
      "linx": "0x3ac61d016357cff568a677e588e04217",  
      "email": "test1@gmail.com",  
      "is_active": true,  
      "is_blocked": false,  
      "is_restricted": false,  
      "is_admin": true,  
      "created_at": "2020-01-23T21:31:15.000-05:00",  
      "updated_at": "2021-03-18T09:41:00.000-04:00"  
    }  
  ]  
}
```

bl_createTransaction

REQUEST

POST

http://localhost:3000/api/v1/bl_createTransaction/0x9e8879589041ec21b449c503b7a93d32

Headers

Content-Type: application/json

Request Payload

- toAddress: [Required] - STRING - target address where the funds are to be deposited.
- fromAddress: [Required] - STRING- address where the funds are deducted from.
- fromPrivateKey: [Required] - STRING- private key for the fromAddress.
- amount: [Required] - DECIMAL - amount to be deducted fromAddress and deposited into toAddress.
- txnDate: [Optional] - DATE - used on pre-dated transactions to set the transaction date. Use with caution.
- source: [Optional] - STRING- reference for the source of the transactions. Usually a three (3) letter code.
- reference: [Optional] - STRING- reference for the transaction, source dependent.
- user_pwd: [Required] - STRING- password for the user initiating the transaction, this user needs to be owner of the fromAddress.

Example

```
{
  "toAddress": "0xe9f8acc0650b1614285db38e90f1b76d",
  "fromAddress": "0x59a524fc7253204d704d4526c747db45",
  "fromPrivateKey": "0x6b4f4ff7a38f9777f4dc758d000ad7f7",
  "amount": 5,
  "user_pwd": "22934985640f4219be864306a61d067caa",
  "txnDate": "",
  "source": "BAW",
  "reference": ""
}
```

RESPONSE

Will return all the information pertaining to the newly created user.

Body

```
{
  "status": "SUCCESS",
  "message": "transaction completed",
  "data": {
    "id": 50138,
    "linx": "0x61197e491aced29611b7158e6d40246d",
    "contract_id": 10002,
    "from_address_id": 18702,
    "to_address_id": 18536,
    "amount_prefee": "5.0",
    "amount_fees": "0.0",
    "amount": "5.0",
    "usd_rate": "0.978",
    "created_at": "2021-03-18T09:42:36.000-04:00",
    "updated_at": "2021-03-18T09:42:36.000-04:00",
    "user_id": 10210,
    "usd_value": "4.89",
    "reference": "",
    "source": "BAW",
    "has_fees": true,
    "auto_create_fee_balance": false
  }
}
```

bl_getTransaction

REQUEST

POST

http://localhost:3000/api/v1/bl_getTransaction/0x3ac61d016357cff568a677e588e04217

Headers

Content-Type: application/json

Request Payload

- ID: [Required] - INTEGER - id or linx of the transaction.
- user_pwd: [Required] - STRING - password for the identified user. User must own the address.

Example

```
{
  "ID": "10020",
  "user_pwd": "google123"
}
```

RESPONSE

Will return the balance of a given account, indicated by the ID in the payload.

Body

```
{
  "status": "SUCCESS",
  "message": "info retrieved",
  "data": {
    "id": "10020",
    "linx": "0x11591ca349e9e7ed54e2ed8cf8367f93",
    "contract_id": "10001",
    "from_address_id": null,
    "to_address_id": "10012",
    "amount_prefee": "100.0",
    "amount_fees": "0.0",
    "amount": "100.0",
    "usd_rate": "0.698",
    "created_at": "2020-01-28T17:35:29.000-05:00",
    "updated_at": "2020-01-28T17:35:29.000-05:00",
    "user_id": "10000",
    "usd_value": "69.8",
    "reference": null,
    "source": "BLL",
    "has_fees": true,
    "auto_create_fee_balance": false
  }
}
```

bl_getTransactions

REQUEST

POST

http://localhost:3000/api/v1/bl_getTransactions/0x3ac61d016357cff568a677e588e04217

Headers

Content-Type: application/json

Request Payload

- ID: [Required] - INTEGER - id or linx of the account.
- user_pwd: [Required] - STRING - password for the identified user. User must own the address.

Example

```
{  
  "accountID":"10002",  
  "user_pwd":"google123"  
}
```

RESPONSE

Will return the balance of a given account, indicated by the ID in the payload.

Body

```
{
  "status": "SUCCESS",
  "message": "info retrieved",
  "data": [
    {
      "id": 49808,
      "linx": "0x10b7b3057d1a41122c68d30e3ca6189a",
      "contract_id": 10001,
      "from_address_id": 18656,
      "to_address_id": 18545,
      "amount_prefee": "0.09",
      "amount_fees": "0.0",
      "amount": "0.09",
      "usd_rate": "0.1689",
      "created_at": "2020-04-30T23:23:03.000-04:00",
      "updated_at": "2020-04-30T23:23:03.000-04:00",
      "user_id": 10000,
      "usd_value": "0.015201",
      "reference": "",
      "source": "FEE",
      "has_fees": true,
      "auto_create_fee_balance": false,
      "from_address_linx": "0x1247975d988a6a3a851b74f630469a78",
      "to_address_linx": "0x9661cde6d09a5b3c8fc8065c077ab1b2",
      "from_account_linx": "0x6675bdecf9483d57ad8427d5123ef1bf",
      "from_account_id": 10249,
      "to_account_linx": "0x3ac60ab3d231f717b7b965c4ca00b5f913",
      "to_account_id": 10002,
      "contract_name": "Amerix",
      "contract_short_name": "AME",
      "contract_linx": "0x3ac63e4cbc79c49652e5c2ef2e9f3af0"
    },
    {
      "id": 49805,
      "linx": "0x579b43502e850d60b20104246c87b9d2",
      "contract_id": 10000,
      "from_address_id": 18546,
      "to_address_id": 18655,
      "amount_prefee": "0.25",
      "amount_fees": "0.0",
      "amount": "0.25",
      "usd_rate": "1.0",
      "created_at": "2020-04-30T23:23:02.000-04:00",
      "updated_at": "2020-04-30T23:23:02.000-04:00",
      "user_id": 10000,
      "usd_value": "0.25",
      "reference": "",
      "source": "FEE",
      "has_fees": true,
      "auto_create_fee_balance": false,
      "from_address_linx": "0xc4dfd70b4c99388f971c3b5aa67978c5",
      "to_address_linx": "0x776b7436a0804b119c759be33e6b348b",
      "from_account_linx": "0x11eed70efef40f144ddda2778d39ff9",
      "from_account_id": 10218,
      "to_account_linx": "0x3ac60ab3d231f717b7b965c4ca00b5f913",
      "to_account_id": 10002,
      "contract_name": "BlockliteUSD",
      "contract_short_name": "BLO",
      "contract_linx": "0x3ac5ddb4cd12b8842ed7a7c8436ee8b0"
    }
  ],
  ...
}
```

bl_getUser

REQUEST

POST

http://localhost:3000/api/v1/bl_getUser/0x3ac61d016357cff568a677e588e04217

Headers

Content-Type: application/json

Request Payload

- ID: [Required] - INTEGER - id or linx of the user.
- user_pwd: [Required] - STRING - password for the identified user. User must own the address.

Example

```
{  
  "ID": "0x3ac61d016357cff568a677e588e04217",  
  "user_pwd": "google123"  
}
```

RESPONSE

Will return the balance of a given account, indicated by the ID in the payload.

Body

```
{  
  "status": "SUCCESS",  
  "message": "info retrieved",  
  "data": {  
    "id": 10000,  
    "handle": "jbenison",  
    "linx": "0x3ac61d016357cff568a677e588e04217",  
    "email": "test1@gmail.com",  
    "is_active": true,  
    "is_blocked": false,  
    "is_restricted": false,  
    "is_admin": true,  
    "created_at": "2020-01-23T21:31:15.000-05:00",  
    "updated_at": "2021-03-18T09:41:00.000-04:00"  
  }  
}
```

bl_getContract

REQUEST

POST

http://localhost:3000/api/v1/bl_getContract/0x3ac61d016357cff568a677e588e04217

Headers

Content-Type: application/json

Request Payload

- ID: [Required] - INTEGER - id or linx of the contract needed.
- user_pwd: [Required] - STRING - password for the identified user. User must own the contract or be an administrator.

Example

```
{  
  "ID": "0x1088fa73711af64932dceb8a640d5bc1",  
  "user_pwd": "google123"  
}
```

RESPONSE

Will return the balance of a given account, indicated by the ID in the payload.

Body

```
{  
  "status": "SUCCESS",  
  "message": "info retrieved",  
  "data": [  
    {  
      "id": 10002,  
      "linx": "0x1088fa73711af64932dceb8a640d5bc1",  
      "name": "Calimari",  
      "usd_rate": "0.978",  
      "created_at": "2020-02-04T14:04:53.000-05:00",  
      "updated_at": "2020-04-28T17:04:23.000-04:00",  
      "short_name": "CAL"  
    }  
  ]  
}
```

bl_getRequest

REQUEST

POST

http://localhost:3000/api/v1/bl_getRequest/0x3ac61d016357cff568a677e588e04217

Headers

Content-Type: application/json

Request Payload

- ID: [Required] - INTEGER - id or linx of the request needed.
- user_pwd: [Required] - STRING - password for the identified user. User must own the request or be an administrator.

Example

```
{  
  "ID": "0xd46ea47eb29d43d3744258050ca82d06",  
  "user_pwd": "google123"  
}
```

RESPONSE

Will return the balance of a given account, indicated by the ID in the payload.

Body

```
{  
  "status": "SUCCESS",  
  "message": "info retrieved",  
  "data": {  
    "id": 2,  
    "linx": "0xd46ea47eb29d43d3744258050ca82d06",  
    "amount": "40.0",  
    "created_at": "2020-05-12T10:06:15.000-04:00",  
    "updated_at": "2020-05-26T14:14:44.000-04:00",  
    "address_id": 18712,  
    "address_linx": "0xd33a4242cef66448b3e396d595e753ae",  
    "account_id": 10265,  
    "account_linx": "0x6fb5d4846d37f8e9a457f17f58af63b6",  
    "contract": 10000,  
    "contract_linx": "0x3ac5ddb4cd12b8842ed7a7c8436ee8b0",  
    "contract_name": "BlockliteUSD",  
    "contract_short_name": "BLO",  
    "usd_rate": "1.0",  
    "valid_until": "2020-05-22T10:06:15.000-04:00",  
    "is_complete": true  
  }  
}
```

bl_getExchangeRequest

REQUEST

POST

http://localhost:3000/api/v1/bl_getExchangeRequest/0x3ac61d016357cff568a677e588e04217

Headers

Content-Type: application/json

Request Payload

- ID: [Required] - INTEGER - id or linx of the request needed.
- user_pwd: [Required] - STRING - password for the identified user. User must own the request or be an administrator.

Example

```
{
  "ID": "99510008",
  "user_pwd": "google123"
}
```

RESPONSE

Will return the balance of a given account, indicated by the ID in the payload.

Body

```
{
  "status": "SUCCESS",
  "message": "Info retrieved",
  "data": {
    "id": 99510008,
    "linx": "0x475faac9a4104b855b139e6a675c0e71",
    "offer_address_id": 10000,
    "offer_address_linx": "0x3ac6052bf254f28736acf1aa1842e745",
    "offer_account_id": 10010,
    "offer_account_linx": "0x3ac6430a4a88c9ba5d21d939d09a1695",
    "offer_contract": 10000,
    "offer_contract_linx": "0x3ac5ddb4cd12b8842ed7a7c8436ee8b0",
    "offer_contract_name": "BlockliteUSD",
    "offer_contract_short_name": "BLO",
    "offer_amount": "1.2222",
    "offer_usd_rate": "1.0",
    "request_address_id": null,
    "request_address_linx": null,
    "request_account_id": null,
    "request_account_linx": null,
    "request_contract": 10001,
    "request_contract_linx": "0x3ac63e4cbc79c49652e5c2ef2e9f3af0",
    "request_contract_name": "Amerix",
    "request_contract_short_name": "AME",
    "request_amount": "1.0",
    "request_usd_rate": "0.1689",
    "created_at": "2020-05-27T14:30:05.000-04:00",
    "updated_at": "2020-05-27T14:30:05.000-04:00",
    "valid_until": "2020-06-06T14:30:05.000-04:00",
    "is_complete": false,
    "is_public": false,
    "is_certified": true,
    "certify_transaction_id": 49863,
    "certify_transaction_linx": "0xa0b434259aea71a92d2bb7559bc4b5b9"
  }
}
```

bl_createExchangeRequest

REQUEST

POST

http://localhost:3000/api/v1/bl_createExchangeRequest/0x83afddea2f94fec016820fc545b642ea

Headers

Content-Type: application/json

Request Payload

- ID: [Required] - INTEGER - id or linx of the request needed.
- user_pwd: [Required] - STRING - password for the identified user. User must own the request or be an administrator.

Example

```
{
  "ID": "99510008",
  "user_pwd": "google123"
}
```

RESPONSE

Will return the balance of a given account, indicated by the ID in the payload.

Body

```
{
  "addressID": "0x80cadc7f16f21b59c95a89d51bcdb819",
  "request_addressID": "",
  "request_contractID": "0x1088fa73711af64932dceb8a640d5bc1",
  "offer_amount": "1",
  "request_amount": "2",
  "is_public": "1",
  "is_certified": "1",
  "user_pwd": "292a28f846cbbae7c3b08a5a138644b957"
}
```

Other endpoints

bl_fulfillExchangeRequest

bl_getActiveRequests

bl_getTransactionList

bl_getCity

bl_getAccount

bl_getAccountAdmin