

EIYARO Core API Reference

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Wallet Endpoints

These endpoints are available when we set:
config.toml

```
[wallet]
disable = false
```

This is the default value and we can possibly omit it.

Create Key Endpoint

Creates a private key. The private key is encrypted in the file and not visible to the user.

Parameters

Object:

- **String** - **alias**, name of the key.
- **String** - **password**, password of the key.
- **String** - **language**, mnemonic language of the key.

Optional:

- **String** - **mnemonic**, mnemonic of the key, create key by specified mnemonic.

Returns

Object:

- **String** - **alias**, name of the key.
- **String** - **xpub**, root pubkey of the key.
- **String** - **file**, path to the file of key.

Optional:

- **String** - **mnemonic**, mnemonic of the key, exist when the request mnemonic is null.

Example

Create key by random pattern:

Request

```
curl -X POST http://localhost:9888/create-key -d '{"alias": "alice", "password": "123456", "language": "en"}'
```

Response

```
{
  "alias": "alice",
  "xpub": "a85e6eccb22f4c5fdade905f9a969003a17b6f35c237183a4313354b819a92689d52da3bcfe55f15a550877e8d789bd2bb9620f46e5049ea36470ab1b588a986",
  "file": "/home/yang/.eiYRO/keystore/UTC--2024-3-10T07-09-17.509894697Z--341695b9-9223-470c-a26d-bea210f8e1bb",
  "mnemonic": "verb smoke glory dentist annual peanut oval dragon fiction current orbit lab load total language female mushroom coyote regular toy slide welcome employ three"
}
```

Create key by specified mnemonic:

Request

```
curl -X POST http://localhost:9888/create-key -d '{"alias": "jack", "password": "123456", "mnemonic": "please observe raw beauty blue sea believe then boat float beyond position", "language": "en"}'
```

Response

```
{
```

```
"alias": "jack",
"xpub":
"c7bcb65febd31c6d900bc84c386d95c3d5b047090628d9bf5c51a848945b6986e99ff70388018a7681fa3
7a240dbd8df39a994c86f9314a61e75feb33563ca72",
"file": "/home/yang/.eiYRO/keystore/UTC--2024-3-10T07-08-51.815030323Z--46ee932e-
88d3-4680-a5c1-dd9e63918fcc"
}
```

List Keys Endpoint

Returns the list of all available keys.

Parameters

None.

Returns

- **Array of Object**, keys owned by the client.
 - **Object**:
 - **String** - **alias**, name of the key.
 - **String** - **xpub**, pubkey of the key.

Example

Request a list of the current keys on the node.

Request

```
curl -X POST http://localhost:9888/list-keys
```

Response

```
[
  {
    "alias": "alice",
    "xpub":
"a7dae957c2d35b42efe7e6871cf5a75ebd2a0d0e51caff767db42d3e6d69dbe211d1ca492ecf05908fe6
fa625ad61b3253375ea744c9442dd5551613ba50aea",
    "file": "/Path/To/Library/EiYRO/keystore/UTC--2024-03-21T02-35-15.035935116Z--
4f2b8bd7-0576-4b82-8941-6cc6da05efe3"
  },
  {
    "alias": "bob",
    "xpub":
"d30a810e88532f73816b7b5007d413cbd21e526ae9159023e5262511893adc1526b8eacd691b27c080201"
```

```
d7d79336a4f3d2cb4c167d997821cad445765916254",  
  "file": "/Path/To/Library/Eiyaro/keystore/UTC--2018-03-22T06-30-27.609315219Z--  
0e34293c-8856-4f5f-b934-37456a3820fa"  
}  
]
```

Update Key Alias Endpoint

Update the alias for an existing key.

Parameters

Object:

- **String** - **xpub**, pubkey of the key.
- **String** - **new_alias**, new alias of the key.

Returns

Nothing in case the key alias is updated successfully.

Example

Update an existing key's alias.

Request

```
curl -X POST http://localhost:9888/update-key-alias -d '{"xpub":  
"a7dae957c2d35b42efe7e6871cf5a75ebd2a0d0e51caffe767db42d3e6d69dbe211d1ca492ecf05908fe6  
fa625ad61b3253375ea744c9442dd5551613ba50aea", "new_alias": "new_key"}'
```

Response

No response in case operation was successful.

Delete Key Endpoint

Deletes an existing key.



Please make sure that there is no balance in the related accounts.

Parameters

Object:

- **String** - **xpub**, pubkey of the key.

- **String** - **password**, password of the key.

Returns

Nothing in case the key is deleted successfully.

Example

Delete an existing key.

Request

```
curl -X POST {base-url}delete-key -d '{"xpub":  
"a7dae957c2d35b42efe7e6871cf5a75ebd2a0d0e51cafffe767db42d3e6d69dbe211d1ca492ecf05908fe6  
fa625ad61b3253375ea744c9442dd5551613ba50aea", "password": "123456"}'
```

Response

No response in case operation was successful.

Check Key Password Endpoint

Check an existing key's password.

Parameters

Object:

- **String** - **xpub**, pubkey of the key.
- **String** - **password**, password of the key.

Returns

Object:

- **Boolean** - **check_result**, if check is successful the value will be true, otherwise it will be false.

Example

Check the password for an existing key.

Request

```
curl -X POST http://localhost:9888/check-key-password -d '{"xpub":  
"a7dae957c2d35b42efe7e6871cf5a75ebd2a0d0e51cafffe767db42d3e6d69dbe211d1ca492ecf05908fe6  
fa625ad61b3253375ea744c9442dd5551613ba50aea", "password": "123456"}'
```

Response

```
{
  "check_result": true
}
```

Reset Key Password Endpoint

Reset an existing key's password.

Parameters

Object:

- **String** - **xpub**, pubkey of the key.
- **String** - **old_password**, old password of the key.
- **String** - **new_password**, new password of the key.

Returns

Object:

- **Boolean** - **changed**, if reset is successful the value will be true, otherwise it will be false.

Example

Reset the password for an existing key.

Request

```
curl -X POST http://localhost:9888/reset-key-password -d '{"xpub":
"a7dae957c2d35b42efe7e6871cf5a75ebd2a0d0e51caffe767db42d3e6d69dbe211d1ca492ecf05908fe6
fa625ad61b3253375ea744c9442dd5551613ba50aea", "old_password": "123456",
"new_password": "654321"}'
```

Response

```
{
  "changed": true
}
```

Create Account Endpoint

Create an account to manage addresses.

Single sign account contains only one **root_xpubs** and quorum; however multi sign account can

contain any number of `root_xpubs` and `quorum`.

`Quorum` is the number of verify signatures, the range is `[1, len(root_xpubs)]`.

Parameters

Object:

- `Array of String` - `root_xpubs`, pubkey array.
- `String` - `alias`, name of the account.
- `Integer` - `quorum`, the default value is `1`, threshold of keys that must sign a transaction to spend asset units controlled by the account.

Optional:

- `String` - `access_token`, if optional when creating account locally. However, if you want to create account remotely, it's indispensable.

Returns

Object:

- `String` - `id`, account id.
- `String` - `alias`, name of account.
- `Integer` - `key_index`, key index of account.
- `Integer` - `quorum`, threshold of keys that must sign a transaction to spend asset units controlled by the account.
- `Array of Object` - `xpubs`, pubkey array.

Example

Create an account with a given `root_xpubs` and `alias`.

Request

```
curl -X POST http://localhost:9888/create-account -d
'{"root_xpubs":["2d6c07cb1ff7800b0793e300cd62b6ec5c0943d308799427615be451ef09c0304bee5
dd492c6b13aaa854d303dc4f1dcb229f9578786e19c52d860803efa3b9a"],"quorum":1,"alias":"alic
e"}'
```

Response

```
{
  "alias": "alice",
  "id": "08F0663C00A02",
  "key_index": 1,
  "quorum": 1,
```

```
"xpubs": [  
  "2d6c07cb1ff7800b0793e300cd62b6ec5c0943d308799427615be451ef09c0304bee5dd492c6b13aaa854d303dc4f1dcb229f9578786e19c52d860803efa3b9a"  
]  
}
```

List Accounts Endpoint

Returns a list of the available accounts on the node.

Parameters

Optional:

- **String** - **id**, account id.
- **String** - **alias**, name of account.

Returns

- **Array of Object**, account array.
 - **Object**:
 - **String** - **id**, account id.
 - **String** - **alias**, name of account.
 - **Integer** - **key_index**, key index of account.
 - **Integer** - **quorum**, threshold of keys that must sign a transaction to spend asset units controlled by the account.
 - **Array of Object** - **xpubs**, pubkey array.

Example

Request a list of the accounts present on the node.

Request

```
curl -X POST http://localhost:9888/list-accounts -d '{"alias":"alice"}'
```

Response

```
[  
  {  
    "alias": "alice",  
    "id": "086KQD75G0A02",  
    "key_index": 1,  
  },  
]
```

```
"quorum": 1,  
"xpubs": [  
  
  "180aab8bf247932a7cf68da5cc9a873266279155097612f1e5fdda4add88d5e91e2e7ce5b736f3ac93382  
  4cdee9effcf1531b90dfcb388e5cc306d14e9a2c85e"  
]  
}  
]
```

Update Account Alias Endpoint

Updates an alias for the an existing account.

Parameters

Object: `account_alias` | `account_id`

* **String** - `new_alias`, new alias of account.

optional:

- **String** - `account_alias`, alias of account.
- **String** - `account_id`, id of account.

Returns

Nothing in case the account alias is updated successfully.

Example

Update the alias for a given account ID or an account alias.

Request

```
curl -X POST http://localhost:9888/update-account-alias -d '{"account_id":  
"08F0663C00A02", "new_alias": "new_account"}'  
# or  
curl -X POST http://localhost:9888/update-account-alias -d '{"account_alias": "alice",  
"new_alias": "new_account"}'
```

Response

No response in case operation was successful.

Delete Account Endpoint

Delete an existing account.



Please make sure that there is no balance in the related accounts.

Parameters

Object: `account_alias` | `account_id`

Optional:

- **String** - `account_alias`, alias of account.
- **String** - `account_id`, id of account.

Returns

Nothing if the account is deleted successfully.

Example

Delete an existing account by account ID or account alias.

Request

```
curl -X POST http://localhost:9888/delete-account -d '{"account_id": "08F0663C00A02"}'  
# or  
curl -X POST http://localhost:9888/delete-account -d '{"account_alias": "alice"}'
```

Response

No response in case operation was successful.

Create Account Receiver Endpoint

Creates an address and control program.

The address and control program are a one to one relationship.

In the `build-transaction` endpoint, the receiver is the address when the action is of type `control_address`, and the receiver is the control program when the action is of type `control_program`, both can be used to the same effect.

Parameters

Object: `account_alias` | `account_id`

Optional:

- **String** - `account_alias`, alias of account.
- **String** - `account_id`, id of account.

Returns

Object:

- **String** - **address**, address of account.
- **String** - **control_program**, control program of account.

Example

Create an account alias on the existing account ID.

Request

```
curl -X POST http://localhost:9888/create-account-receiver -d '{"account_alias": "alice", "account_id": "0BDQARM800A02"}'
```

Response

```
{
  "address": "ey1q5u8u4eldhjf3lvnkmyl78jj8a75neuryzlknk0",
  "control_program": "0014a70fcae7edbc931fb276d93fe3ca47efa93cf064"
}
```

List Addresses Endpoint

Returns the sub list of all available addresses by account with a limit count.

Parameters

- **String** - **account_alias**, alias of account.
- **String** - **account_id**, id of account.
- **Integer** - **from**, the start position of first address
- **Integer** - **count**, the number of returned

Returns

- **Array of Object**, account address array.
 - **Object**:
 - **String** - **account_alias**, alias of account.
 - **String** - **account_id**, id of account.
 - **String** - **address**, address of account.
 - **Boolean** - **change**, whether the account address is change.

Example

List three addresses from first position by `account_id` or `account_alias`

Request

```
curl -X POST http://localhost:9888/list-addresses -d '{"account_alias": "alice", "account_id": "086KQD75G0A02", "from": 0, "count": 3}'
```

Response

```
[
  {
    "account_alias": "alice",
    "account_id": "086KQD75G0A02",
    "address": "ey1qcn9lf7nxhswratvmg6d78nq7r7yupm36qgs55",
    "change": false
  },
  {
    "account_alias": "alice",
    "account_id": "086KQD75G0A02",
    "address": "ey1qew4h5uvt5ssrtg2alms0j77r94c30m78ucrcxy",
    "change": false
  },
  {
    "account_alias": "alice",
    "account_id": "086KQD75G0A02",
    "address": "ey1qgnp4lte7wge0rsekevjlrdh39vkzz0c2alheue",
    "change": false
  }
]
```

Validate Address Endpoint

Validate that the address is valid and report if it is local or not.

Parameters

Object:

- `string` - **address**, address of account.

Returns

Object:

- `Boolean` - **valid**, whether the account address is valid.

- **Boolean** - **is_local**, whether the account address is local.

Example

Request the validity of an address.

Request

```
curl -X POST http://localhost:9888/validate-address -d '{"address":  
"ey1qcn9lf7nxhswratvmg6d78nq7r7yupm36qgs55"}'
```

Response

```
{  
  "valid": true,  
  "is_local": true,  
}
```

Get Mining Address Endpoint

Query the current mining address.

Parameters

None.

Returns

Object:

- **String** - **mining_address**, the current mining address being used.

Example

Request the current mining address.

Request

```
curl -X POST http://localhost:9888/get-mining-address
```

Response

```
{  
  "mining_address": "ey1qnhr65jq3q9gf8uymza8vp0ew8tfyh642wddxh6"  
}
```

Set Mining Address Endpoint

Set the current mining address, no matter whether the address is a local one or not. It returns an error message if the address format is incorrect.

Parameters

Object:

- **String** - **mining_address**, mining address to set.

Returns

Object:

- **String** - **mining_address**, the new mining address.

Example

Update the node's mining address.

Request

```
curl -X POST http://localhost:9888/set-mining-address -d '{"mining_address":"ey1qnhr65jq3q9gf8uymza8vp0ew8tfyh642wddxh6"}'
```

Response

```
{  "mining_address":"ey1qnhr65jq3q9gf8uymza8vp0ew8tfyh642wddxh6"}
```

Get Coinbase Arbitrary Endpoint

Get coinbase arbitrary.

Parameters

None.

Returns

Object:

- **String** - **arbitrary**, the arbitrary data append to coinbase, in hexadecimal format. (The full coinbase data for a block will be `0x008block_height8arbitrary`.)

Example

Query for the coinbase arbitrary.

Request

```
curl -X POST http://localhost:9888/get-coinbase-arbitrary
```

Response

```
{
  "arbitrary": "ff"
}
```

Set Coinbase Arbitrary Endpoint

Set coinbase arbitrary.

Parameters

Object:

- **String** - **arbitrary**, the arbitrary data to be appended to coinbase, in hexadecimal format.

Returns

Object:

- **String** - **arbitrary**, the arbitrary data being appended to coinbase, in hexadecimal format. (The full coinbase data for a block will be `0x00&block_height&arbitrary`.)

Example

Set the coinbase arbitrary.

Request

```
curl -X POST http://localhost:9888/set-coinbase-arbitrary -d '{"arbitrary": "ff"}
```

Response

```
{
  "arbitrary": "ff"
}
```

List **pubkeys** Endpoint

Returns the list of all available **pubkeys** by account.

Parameters

Object: **account_alias** | **account_id** | **public_key**

Optional:

- **String** - **account_alias**, alias of account.
- **String** - **account_id**, id of account.
- **string** - **public_key**, public key.

Returns

Object:

- **String** - **root_xpub**, root xpub.
- **Array of Object** - **pubkey_infos**, public key array.
 - **String** - **pubkey**, public key.
 - **Object** - **derivation_path**, derivation path for root xpub.

Example

Query for the list of **pubkeys** by account ID or account alias.

Request

```
curl -X POST http://localhost:9888/list-pubkeys -d '{"account_id": "0G00LLUV00A02"}'
```

Response

```
{
  "pubkey_infos": [
    {
      "derivation_path": [
        "010100000000000000",
        "0100000000000000"
      ],
      "pubkey": "b7730319feac582056379548360da5c08258e248e5c29de08a97a6614df1425d"
    },
    {
      "derivation_path": [
        "010100000000000000",
        "0200000000000000"
      ]
    }
  ]
}
```

```

    ],
    "pubkey": "5044a0d6113faaf4cb2550f63a820ab579a2af6134e503b76378490d5fe75af4"
  },
  {
    "derivation_path": [
      "010100000000000000",
      "0300000000000000"
    ],
    "pubkey": "ff5c28ce257b25c2a6e172ded490a708a8e654253836d92eb0a68b81ce63bea3"
  }
],
"root_xpub":
"94a909319eac179f7694b99b8367b9c02b4414b95961e2e3a5bd887e0616af05a7c5e4448df92cd6cdfd8
2e57cd7aefc1ee0a7fd0d6a2194b5e5faf82556bedc"
}

```

Create Asset Endpoint

Create an asset definition, it prepares for the issuance of an asset.

Parameters

Object:

- **String** - **alias**, name of the asset.
- **Object** - **definition**, definition of asset.

Optional:(please pick one from the following two ways)

- **Array of String** - **root_xpubs**, xpub array.
- **Integer** - **quorum**, the default value is **1**, threshold of keys that must sign a transaction to spend asset units controlled by the account.

or

- **String** - **issuance_program**, user-defined contract program.

Returns

Object:

- **String** - **id**, asset id.
- **String** - **alias**, name of the asset.
- **String** - **issuance_program**, control program of the issuance of asset.
- **Array of Object** - **keys**, information of asset pubkey.
- **String** - **definition**, definition of asset.
- **Integer** - **quorum**, threshold of keys that must sign a transaction to spend asset units controlled

by the account.

Example

Create an asset by `xpubs`:

Request

```
curl -X POST http://localhost:9888/create-asset -d '{"alias": "GOLD", "root_xpubs": ["f6a16704f745a168642712060e6c5a69866147e21ec2447ae628f87d756bb68cc9b91405ad0a95f004090e864fde472f62ba97053ea109837bc89d63a64040d5"], "quorum": 1}'
```

Response

```
{
  "id": "3c1cf4c9436e3f942cb2f1d70a584f1c61df3697698daccdc89e46f46a003d0",
  "alias": "GOLD",
  "issuance_program":
"766baa209683b893483c0a5a317bf9868a8e2a09691f8aa8c1f3e2a7bb62b157e76712e05151ad696c00c0",
  "keys": [
    {
      "root_xpub":
"f6a16704f745a168642712060e6c5a69866147e21ec2447ae628f87d756bb68cc9b91405ad0a95f004090e864fde472f62ba97053ea109837bc89d63a64040d5",
      "asset_pubkey":
"9683b893483c0a5a317bf9868a8e2a09691f8aa8c1f3e2a7bb62b157e76712e012bd443fa7d56a0627df0a29dffcdc52641672a0f5cba54d104ad76eb8dfc3",
      "asset_derivation_path": [
        "000200000000000000"
      ]
    }
  ],
  "quorum": 1,
  "definition": {}
}
```

Create an asset by `issuance_program`:

Request

```
curl -X POST http://localhost:9888/create-asset -d '{"alias": "TESTASSET", "issuance_program": "20e9108d3ca8049800727f6a3505b3a2710dc579405dde03c250f16d9a7e1e6e78160014c5a5b563c4623018557fb299259542b8739f6bc20163201e074b22ed7ae8470c7ba5d8a7bc95e83431a753a17465e8673af68a82500c22741a547a6413000000007b7b51547ac1631a000000547a547aae7cac00c0", "definition": {"name": "TESTASSET", "symbol": "TESTASSET", "decimals": 8, "description": {}}}'
```

Response

```
{
  "id": "59621aa82c047bd21f73711d4a7905b7a9fbb49bc1a3fdc309b13807cc8b9094",
  "alias": "TESTASSET",
  "issuance_program":
    "20e9108d3ca8049800727f6a3505b3a2710dc579405dde03c250f16d9a7e1e6e78160014c5a5b563c4623
    018557fb299259542b8739f6bc20163201e074b22ed7ae8470c7ba5d8a7bc95e83431a753a17465e8673af
    68a82500c22741a547a6413000000007b7b51547ac1631a000000547a547aae7cac00c0",
  "keys": null,
  "quorum": 0,
  "definition": {
    "decimals": 8,
    "description": {},
    "name": "TESTASSET",
    "symbol": "TESTASSET"
  }
}
```

Get Asset Endpoint

Query asset details by asset ID.

Parameters

Object:

- **String** - **id**, id of asset.

Returns

Object:

- **String** - **id**, asset id.
- **String** - **alias**, name of the asset.
- **String** - **issuance_program**, control program of the issuance of asset.
- **Integer** - **key_index**, index of key for xpub.
- **Integer** - **quorum**, threshold of keys that must sign a transaction to spend asset units controlled by the account.
- **Array of Object** - **xpubs**, pubkey array.
- **String** - **type**, type of asset.
- **Integer** - **vm_version**, version of VM.
- **String** - **raw_definition_byte**, byte of asset definition.
- **Object** - **definition**, description of asset.

Example

Get asset details by asset ID.

Request

```
curl -X POST http://localhost:9888/get-asset -d '{"id":  
"50ec80b6bc48073f6aa8fa045131a71213c33f3681203b15ddc2e4b81f1f4730"}'
```

Response

```
{  
  "alias": "SILVER",  
  "definition": null,  
  "id": "50ec80b6bc48073f6aa8fa045131a71213c33f3681203b15ddc2e4b81f1f4730",  
  "issue_program":  
    "ae2029cd61d9ef31d40af7541f9a50831d6317fdb0870249d0564fcfa9a8f843589c5151ad",  
  "key_index": 1,  
  "quorum": 1,  
  "raw_definition_byte": "",  
  "type": "asset",  
  "vm_version": 1,  
  "xpubs": [  
  
    "34b16ee500615cd325f8b84099f83c1ebecaca67977c5dc9b71ae32ceaf18207f996b0a9725b901d37926  
    89b2babcb60febe3b81a684d9b56b65f67f307d453d"  
  ]  
}
```

List Assets Endpoint

Returns the list of all available assets.

Parameters

None.

Returns

- **Array of Object**, asset array.
 - **Object**:
 - **String** - **id**, asset id.
 - **String** - **alias**, name of the asset.
 - **String** - **issuance_program**, control program of the issuance of asset.
 - **Integer** - **key_index**, index of key for xpub.

- **Integer** - **quorum**, threshold of keys that must sign a transaction to spend asset units controlled by the account.
- **Array of Object** - **xpubs**, pubkey array.
- **String** - **type**, type of asset.
- **Integer** - **vm_version**, version of VM.
- **String** - **raw_definition_byte**, byte of asset definition.
- **Object** - **definition**, description of asset.

Example

List all the available assets.

Request

```
curl -X POST http://localhost:9888/list-assets -d '{}'
```

Response

```
[
  {
    "alias": "EY",
    "definition": {
      "decimals": 8,
      "description": "Eiyaro Official Issue",
      "name": "EY",
      "symbol": "EY"
    },
    "id": "ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff",
    "issue_program": "",
    "key_index": 0,
    "quorum": 0,
    "raw_definition_byte":
"7b0a202022646563696d616c73223a20382c0a2020226465736372697074696f6e223a20224279746f6d2
04f6666696369616c204973737565222c0a2020226e16d65223a202262746d222c0a20202273796d626f6
c223a202262746d220a7d",
    "type": "internal",
    "vm_version": 1,
    "xpubs": null
  },
  {
    "alias": "SILVER",
    "definition": null,
    "id": "50ec80b6bc48073f6aa8fa045131a71213c33f3681203b15ddc2e4b81f1f4730",
    "issue_program":
"ae2029cd61d9ef31d40af7541f9a50831d6317fdb0870249d0564fcfa9a8f843589c5151ad",
    "key_index": 1,
  }
]
```

```

    "quorum": 1,
    "raw_definition_byte": "",
    "type": "asset",
    "vm_version": 1,
    "xpubs": [
      "34b16ee500615cd325f8b84099f83c1ebecaca67977c5dc9b71ae32ceaf18207f996b0a9725b901d3792689b2babcb60febe3b81a684d9b56b65f67f307d453d"
    ]
  }
]

```

Update Asset Alias Endpoint

Update asset alias by assetID.

Parameters

Object:

- **String** - **id**, id of asset.
- **String** - **alias**, new alias of asset.

Returns

None if the asset alias is updated successfully.

Example

Update asset alias.

Request

```

curl -X POST http://localhost:9888/update-asset-alias -d
'{"id":"50ec80b6bc48073f6aa8fa045131a71213c33f3681203b15ddc2e4b81f1f4730",
"alias":"GOLD"}'

```

Response

No response in case operation was successful.

List Balances Endpoint

Returns the list of all available accounts' balances.

Parameters

Optional:

- **String** - **account_id**, account id.
- **String** - **account_alias**, name of account.

Returns

- **Array of Object**, balances owned by the account.
 - **Object**:
 - **String** - **account_id**, account id.
 - **String** - **account_alias**, name of account.
 - **String** - **asset_id**, asset id.
 - **String** - **asset_alias**, name of asset.
 - **Integer** - **amount**, specified asset balance of account.

Example

List all the available accounts' balances.

Request

```
curl -X POST http://localhost:9888/list-balances -d '{}'
```

Response

```
[
  {
    "account_alias": "default",
    "account_id": "0BDQ9AP100A02",
    "amount": 35508000000000,
    "asset_alias": "EY",
    "asset_id": "ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff"
  },
  {
    "account_alias": "alice",
    "account_id": "0BDQARM800A04",
    "amount": 600000000000,
    "asset_alias": "EY",
    "asset_id": "ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff"
  }
]
```

List available accounts' balances by a given **account_id**:

Request

```
curl -X POST http://localhost:9888/list-balances -d '{"account_id":"0BDQ9AP100A02"}'
```

Response

```
[
  {
    "account_alias": "default",
    "account_id": "0BDQ9AP100A02",
    "amount": 35508000000000,
    "asset_alias": "EY",
    "asset_id": "ffffffffffffffffffffffffffffffffffffffffffffffffffffffffffff"
  }
]
```

Network Endpoints

These endpoints are available regardless of the wallet being disabled or not.