Trade finance API

Wallet API

GET WALLET LOGS

GET http://localhost:10007/api/trade/wallet-logs

Description: Get history of wallet transaction. Returns array of wallet states.

Response:

```
[{
    "state": {
      "data": {
        "user": 1,
        "seller": 1,
        "bank": 1,
        "lender": "C=GB,L=London,O=PartyA",
        "linearId": {
          "externalId": null,
          "id": "db52b8fa-edd2-4b8b-a3a2-eb609e791d4c"
        },
        "participants": [
          "C=GB,L=London,O=PartyA"
        ]
      },
      "contract": "com.example.contract.IOUContract",
      "notary": "C=GB,L=London,O=Controller,CN=corda.notary.validating",
      "encumbrance": null,
      "constraint": {
        "attachmentId": "32116E53F4CC37E1D17E39C6C1E445703AD23EEC6CC9D5A401D855F6C74CEE28"
      }
    },
    "ref": {
      "txhash": "C5B0B68B916D6CAC54DFBE6D68910C4B265ABF50BDD37D4AD41579C9EB3191E5",
      "index": 0
    }
  }, {},{}]
```

GET LATEST BALANCE

GET http://localhost:10007/api/trade/getBalance

Description: Get balance of user, seller and bank. Returns wallet state object.

Response:

```
{
    "state": {
      "data": {
        "user": 100,
        "seller": 100,
        "bank": 100,
        "lender": "C=GB,L=London,O=PartyA",
        "linearId": {
          "externalId": null,
```

```
          "id": "db52b8fa-edd2-4b8b-a3a2-eb609e791d4c"
        },
        "participants": [
          "C=GB,L=London,O=PartyA"
        ]
      },
      "contract": "com.example.contract.IOUContract",
      "notary": "C=GB,L=London,O=Controller,CN=corda.notary.validating",
      "encumbrance": null,
      "constraint": {
        "attachmentId": "32116E53F4CC37E1D17E39C6C1E445703AD23EEC6CC9D5A401D855F6C74CEE28"
      }
    },
    "ref": {
      "txhash": "C5B0B68B916D6CAC54DFBE6D68910C4B265ABF50BDD37D4AD41579C9EB3191E5",
      "index": 0
    }
  }
}
```

SEND TRANSACTION

PUT http://localhost:10007/api/trade/transfer-amount

Description: Transfer amount from one account to another

Headers:

- Content-Type : application/x-www-form-urlencoded

Body:

- from : bank (Possible inputs : bank/user/seller)
- to : bank (Possible inputs : bank/user/seller)
- amount : 10

Response:

{'txHash': 9B0E116D1BE022A5D5EFBB8F229588A0566C22AB9AF75BCC72E98BA981363770 }

LOAD BALANCE

PUT http://localhost:10007/api/trade/load-balance

Description: Load balance to any specific account (user, seller or bank)

Headers:

- Content-Type : application/x-www-form-urlencoded

Body:

- to : bank (Possible inputs : bank/user/seller)
- amount : 10

Response:

{'txHash': 9B0E116D1BE022A5D5EFBB8F229588A0566C22AB9AF75BCC72E98BA981363770 }

Trade API

GET PO STATES

GET http://localhost:10007/api/trade/pos

Description: Get all POs with data and status.

Response:

```
[{
    "state": {
      "data": {
        "data": "{\"vendor\": {\"name\" : \"vendor name\"}, \"products\" : [{\"name\": \"name1\", \"quantity\": 1,\"price\": 50},
{\"name\": \"name1\", \"quantity\": 1,\"price\": 50}], \"shipping\" : {\"to\" : \"address\"}, \"TnC\" : \"TnC\"}",
        "status": "Created",
        "id": "02588c7b-4776-46c5-a8a0-636cc1f7bbd6",
        "lender": "C=GB,L=London,O=PartyA",
        "borrower": "C=GB,L=London,O=PartyA",
        "linearId": {
          "externalId": null,
          "id": "9eae645e-dfec-46cc-a6ee-e3a0c5941897"
        },
        "participants": [
          "C=GB,L=London,O=PartyA"
        ]
      },
      "contract": "com.example.contract.IOUContract",
      "notary": "C=GB,L=London,O=Controller,CN=corda.notary.validating",
      "encumbrance": null,
      "constraint": {
        "attachmentId": "E1C37C3C312DB990AB91B27CAF03A3E89A0D71ED13F831161C69C7FACE29AF38"
      }
    },
    "ref": {
      "txhash": "314A71AE70FBBBF7C7060FD3E9D770503C45D6EEA773F503EE65C58EDE90332B",
      "index": 0
    }
  },{},{}..]
```

CREATE PO

PUT http://localhost:10007/api/trade/create-po

Description: Creates PO with given data and status "created"

Headers:
- Content-Type : application/x-www-form-urlencoded

Body:
- data : {"vendor": {"name" : "vendor name"}, "products" : [{"name": "name1", "quantity": 1,"price": 50}, {"name": "name1", "quantity": 1,"price": 50}], "shipping" : {"to" : "address"}, "TnC" : "TnC"}

Response:

{ 'txHash': 73483099688C21A5288474B7C923D16F31BDCD11E63D94AAEB302D505DE408DD, 'id': ffe59efa-f2af-4c8d-a401-35e6c98e7d33 }

APPROVE PO

PUT http://localhost:10007/api/trade/approve-po

Description: Changes PO status to "approved"

Headers:
- Content-Type : application/x-www-form-urlencoded

Body:
- data : {"vendor": {"name" : "vendor name"}, "products" : [{"name": "name1", "quantity": 1,"price": 50}, {"name": "name1", "quantity": 1,"price": 50}], "shipping" : {"to" : "address"}, "TnC" : "TnC", + ADDITIONAL DATA}
- id : bfa9b55c-b383-4d98-8192-9cf128b3913f

Response:

{ 'txHash': 73483099688C21A5288474B7C923D16F31BDCD11E63D94AAEB302D505DE408DD}

APPROVE PO AND REQUEST FINANCING

PUT http://localhost:10007/api/trade/request-finance

Description: Changes PO status to "FinanceRequested"

Headers:
- Content-Type : application/x-www-form-urlencoded

Body:
- data : {"vendor": {"name" : "vendor name"}, "products" : [{"name": "name1", "quantity": 1,"price": 50}, {"name": "name1", "quantity": 1,"price": 50}], "shipping" : {"to" : "address"}, "TnC" : "TnC"+ ADDITIONAL DATA }
- id : bfa9b55c-b383-4d98-8192-9cf128b3913f

Response:

{ 'txHash': 73483099688C21A5288474B7C923D16F31BDCD11E63D94AAEB302D505DE408DD}

REJECT PO

PUT http://localhost:10007/api/trade/reject-po

Description: Changes PO status to "Rejected"

Headers:
- Content-Type : application/x-www-form-urlencoded

Body:
- data : {"vendor": {"name" : "vendor name"}, "products" : [{"name": "name1", "quantity": 1,"price": 50}, {"name": "name1", "quantity": 1,"price": 50}], "shipping" : {"to" : "address"}, "TnC" : "TnC" + ADDITIONAL DATA }
- id : bfa9b55c-b383-4d98-8192-9cf128b3913f

Response:

{ 'txHash': 73483099688C21A5288474B7C923D16F31BDCD11E63D94AAEB302D505DE408DD}

APPROVE FINANCE

PUT http://localhost:10007/api/trade/approve-finance

Description: Changes PO status to "FinanceApproved"

Headers:
- Content-Type : application/x-www-form-urlencoded

Body:
- data : {"vendor": {"name" : "vendor name"}, "products" : [{"name": "name1", "quantity": 1,"price": 50}, {"name": "name1", "quantity": 1,"price": 50}], "shipping" : {"to" : "address"}, "TnC" : "TnC" + ADDITIONAL DATA }
- id : bfa9b55c-b383-4d98-8192-9cf128b3913f

Response:

{ 'txHash': 73483099688C21A5288474B7C923D16F31BDCD11E63D94AAEB302D505DE408DD}

REJECT FINANCE

PUT http://localhost:10007/api/trade/reject-finance

Description: Changes PO status to "FinanceRejected"

Headers:
- Content-Type : application/x-www-form-urlencoded

Body:
- data : {"vendor": {"name" : "vendor name"}, "products" : [{"name": "name1", "quantity": 1,"price": 50}, {"name": "name1", "quantity": 1,"price": 50}], "shipping" : {"to" : "address"}, "TnC" : "TnC" + ADDITIONAL DATA }
- id : bfa9b55c-b383-4d98-8192-9cf128b3913f

Response:

{ 'txHash': 73483099688C21A5288474B7C923D16F31BDCD11E63D94AAEB302D505DE408DD}