

Node.js API endpoints consuming the Stellar Horizon API

In the root of the nodejs api project, execute the command below:

To run in development mode:

```
$ npm run dev
```

To run in production mode:

Make sure that there is an active source account(in XLM)

```
$ npm start
```

Routes:

- <http://{server}/accounts/create>
- <http://{server}/accounts/:id>
- <http://{server}/assets/create>
- <http://{server}/assets/issue>
- <http://{server}/assets/transfer>

Account Endpoint

URL: <http://{server}/accounts/create>

Method: POST

Headers: Content-Type: application/json

This endpoint will generate a unique pair of keys using Keypair. It will validate first the source account if it exist and then call the "[Create Account](#)" operation.

In createAccountResult JSON below, I added this two keys: receiverPublicKey, receiverSecretKey. This is the newly created Stellar account and it has a starting balance of 5. I put this starting balance in a settings.js file so later we can change it.

This receiverSecretKey will be use later in signing the asset. The rest of the key/values are transaction results coming from the Horizon API. In this example, we are using the Stellar Test Network(sandbox) and the Friendbot funded the source account that's why we can perform the create account operation.

As per documentation, once we use the Stellar Public network we are going to generate a source account here <https://www.stellar.org/account-viewer>. To activate the account we can buy lumens(XLM) from an exchange and send them to your address(Public Key).

Sample SUCCESS response (JSON)

```
{
  "createAccountResult": {
    "_links": {
      "transaction": {
        "href":
"https://horizon-testnet.stellar.org/transactions/ea8a8eab71 added here"
      }
    },
    "hash": "ea8a8eab71 added here",
    "ledger": 9821649,
    "envelope_xdr":
"AAAAAB/AjFchqbtCVzpNzyfqpk0eEeGL1/LRwZ4IS5kaizSFAAAAZACV3dAAAAABAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAJa+uDXapeKxttl3W5xpmTZGbAfs8eZ/1TFTmtoOcsuoAAAAAAAvrwwAAAAAAAAABGos0hQAAAAEA68X+tUW0HF
VJa1erW4EJKwBRs9GpsHb2i3d9sD1tu5HM+BpHFOkFO6B8b3/L5TC/sh5kj292Ey2IVHpBzLhoG",
    "result_xdr": "AAAAAAAAAQAAAAAAAAAAAAAAAAAAAAAAAA=",
    "result_meta_xdr":
"AAAAAAAAAAAAEAAAAADAAAAAACV3dEAAAAAAAAAACWvrg12qXisbbSN1ucaZk2Rmwh7PHmf9UxU5raDnLLqAAAAAL
68IAAId3RAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAwCV3dEAAAAAAAAAB/AjFchq
btCVzpNzyfqpk0eEeGL1/LRwZ4IS5kaizSFAAAAF0h255wAId3QAAAAAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA"
```

```

AAAAAAAAAAAAAAAAQCV3dEAAAAAAAAAAB/AjFcHqbtCVzpNzyfqpK0eEeGL1/LRwZ4IS5kaizSFAAAAF0V79xwAld3QAAA
AAQAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
},
"receiverPublicKey": "GAS27LQNO2UXRLDNWSG5NZY2MZGZDGYB7M6HTH7VJRKONNUDTSZOUQJ7",
"receiverSecretKey": "SBQUKJFIJCC7EUZJV3UAFQZQ5CXKAXSWZRBWJK6VNYWX2VH6GFF537FO"
}

```

Sample ERROR response (JSON)

```

{
  "error": {
    "type": "https://stellar.org/horizon-errors/transaction_failed",
    "title": "Transaction Failed",
    "status": 400,
    "detail": "The transaction failed when submitted to the stellar network. The `extras.result_codes` field on this response
contains further details. Descriptions of each code can be found at:
https://www.stellar.org/developers/learn/concepts/list-of-operations.html",
    "extras": {
      "envelope_xdr":
"AAAAAI6yMcCV0Lys3quiJ4qXSBABGPXAEHU0P+B8DKGkc72xAAAAZACWF48AAAAEAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAArGTG/QRISZr7fsOjAp948LeGwtEANyvE9KyJJTZIFw0AAAAAAcndgAAAAAAAAAABpHO9sQAAAEAiGxyUisz
NuCS31h3xFonIUHD8KX9OdAZ4+vAiEB1z/0FT1MRh1jePXEU5u25A7V4wZtVlw+sQ4wQyrhTYhsHYL",
      "result_codes": {
        "transaction": "tx_failed",
        "operations": [
          "op_underfunded"
        ]
      },
      "result_xdr": "AAAAAAAAAGT/////AAAAAQAAAAAAAAAAAA/////gAAAAA="
    }
  }
}

```

This error occur when the operation failed due to lack of funds.

=====

URL: `http://{server}/accounts/:id`
Method: GET
Required parameters:
id - Public key of the Stellar account

This endpoint will retrieve a single account.

Sample SUCCESS response

```

{
  "accountResult": {
    "_baseAccount": {
      "_accountId": "GAMTD4H7OGGHAM66WA37ANKBYAJR4T2ID4VFMJONR6VCKVHAXOQPAJY",
      "sequence": "42334053822627844"
    },
    "_links": {
      "self": {
        "href":
"https://horizon-testnet.stellar.org/accounts/GAMTD4H7OGGHAM66WA37ANKBYAJR4T2ID4VFMJONR6VCKVHAXOQPA
JY"
      },
      "transactions": {
        "href":
"https://horizon-testnet.stellar.org/accounts/GAMTD4H7OGGHAM66WA37ANKBYAJR4T2ID4VFMJONR6VCKVHAXOQPA
JY/transactions{?cursor,limit,order}",
        "templated": true
      },
      "operations": {

```

```
    "href":
    "https://horizon-testnet.stellar.org/accounts/GAMTD4H7OGGHAM66WA37ANKBYAJR4T2ID4VFMJONR6VCKVHAXOAQPA
    JY/operations{?cursor,limit,order}",
    "templated": true
  },
  "payments": {
    "href":
    "https://horizon-testnet.stellar.org/accounts/GAMTD4H7OGGHAM66WA37ANKBYAJR4T2ID4VFMJONR6VCKVHAXOAQPA
    JY/payments{?cursor,limit,order}",
    "templated": true
  },
  "effects": {
    "href":
    "https://horizon-testnet.stellar.org/accounts/GAMTD4H7OGGHAM66WA37ANKBYAJR4T2ID4VFMJONR6VCKVHAXOAQPA
    JY/effects{?cursor,limit,order}",
    "templated": true
  },
  "offers": {
    "href":
    "https://horizon-testnet.stellar.org/accounts/GAMTD4H7OGGHAM66WA37ANKBYAJR4T2ID4VFMJONR6VCKVHAXOAQPA
    JY/offers{?cursor,limit,order}",
    "templated": true
  },
  "trades": {
    "href":
    "https://horizon-testnet.stellar.org/accounts/GAMTD4H7OGGHAM66WA37ANKBYAJR4T2ID4VFMJONR6VCKVHAXOAQPA
    JY/trades{?cursor,limit,order}",
    "templated": true
  },
  "data": {
    "href":
    "https://horizon-testnet.stellar.org/accounts/GAMTD4H7OGGHAM66WA37ANKBYAJR4T2ID4VFMJONR6VCKVHAXOAQPA
    JY/data/{key}",
    "templated": true
  }
},
"id": "GAMTD4H7OGGHAM66WA37ANKBYAJR4T2ID4VFMJONR6VCKVHAXOAQPAJY",
"paging_token": "",
"account_id": "GAMTD4H7OGGHAM66WA37ANKBYAJR4T2ID4VFMJONR6VCKVHAXOAQPAJY",
"sequence": "42334053822627844",
"subentry_count": 0,
"thresholds": {
  "low_threshold": 0,
  "med_threshold": 0,
  "high_threshold": 0
},
"flags": {
  "auth_required": false,
  "auth_revocable": false
},
"balances": [
  {
    "balance": "999.9999600",
    "asset_type": "native"
  }
],
"signers": [
  {
    "public_key": "GAMTD4H7OGGHAM66WA37ANKBYAJR4T2ID4VFMJONR6VCKVHAXOAQPAJY",
    "weight": 1,
    "key": "GAMTD4H7OGGHAM66WA37ANKBYAJR4T2ID4VFMJONR6VCKVHAXOAQPAJY",
    "type": "ed25519_public_key"
  }
],
```

```
    "data_attr": {}
  }
}
```

Asset Endpoint

URL: `http://{server}/assets/create`

Method: POST

Headers: Content-Type: application/json

Body:

```
{
"assetCode": "ABC",
"issuerId": "SATVM4BDCM43CKO3U3OJKIJRXRN3J4YVGVESM7NIEZAUFCCN66UOHZKK",
"receiverId": "SBALK4G6X6QKMMR7VNDKOAQNPQFUCULAC3V7FO5TIGSGR2BI2YLVFTGJ"
}
```

This endpoint will create an asset and the receiverId(distribution account) should established a trustline to the issuing account using the ["change trust"](#) operation.

Required parameters:

assetCode - Asset to send to the destination account(a short identifier of 1–12 alphanumeric).

issuerId – Secret key of the issuing account that issued the asset.

receiverId - Secret key of the distribution account that will hold the asset.

As per documentation, when creating the assets the receiverId will perform the "change trust" operation and sign it using his secret key.

Sample SUCCESS response

```
{
  "transactionResult": {
    "_links": {
      "transaction": {
        "href":
"https://horizon-testnet.stellar.org/transactions/35605e13ec34dcc77fd3b506c3b7cb6622de8c35cdc833313136ce689cddf3d3"
      }
    }
  },
  "hash": "35605e13ec34dcc77fd3b506c3b7cb6622de8c35cdc833313136ce689cddf3d3",
  "ledger": 9822524,
  "envelope_xdr":
"AAAAAKWg/YZI2wWdpWtzOTEFas2LFL/cSQtyLQb0dxY23+ZaFAAAAZACV4DUAAAACAAAAAAAAAAAAAAAAABAAAAAAAA
AAAYAAAABQUJDAAAAAACqUZXiF0X32aWGFVOVgPWOnI9UwgGFA8/7C1bzvrVWAAAAAAAF9eEAAAAAAAAAAAG3+Z
aFAAAQAQBHAAvOXZFqwd9KwphAjObwQWwhAaUxnRtAPtUSx86vFz0TMi+HSGe43ra66aIPAnHWDg+udT3T2Jp4awyQGr
wY=",
  "result_xdr": "AAAAAAAAAQAAAAAAAAAAQAAAAAAAAAGAAAAAAAAA=",
  "result_meta_xdr":
"AAAAAAAAAAEAAAADAAAAACV4TwAAAABAAAAAKWg/YZI2wWdpWtzOTEFas2LFL/cSQtyLQb0dxY23+ZaFAAAAAUF
CQwAAAAAAqIGV4hdF99mlhhVTIYD1jpyCPVMIBhQPP+wiG8761VgAAAAAAAAAAAAAAAAAF9eEAAAAAAQAAAAAAAA
AAAAAAwCV4TwAAAAAAAAAAKWg/YZI2wWdpWtzOTEFas2LFL/cSQtyLQb0dxY23+ZaFAAAAAAL677gAleA1AAAAAgAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAQCV4TwAAAAAAAAAAKWg/YZI2wWdpWtzOTEFas2LFL/
cSQtyLQb0dxY23+ZaFAAAAAAL677gAleA1AAAAAgAAAAEAAAAAAAAAAAAAAAAABAAAAAAAAAAAAAAAAAAAAAAAA"
}
```

Sample ERROR response (JSON)

```
{
  "error": "Issuing Account doesn't exist or inactivated."
}
```

This error occur if the account is not activated yet. Make sure the correct network is being used and the account is funded/created. To check the lumens balance of the account we go to this site <https://www.stellar.org/account-viewer> and enter the Secret Key of the account.

Sample ERROR response

```
{
  "error": {
    "type": "https://stellar.org/horizon-errors/transaction_failed",
    "title": "Transaction Failed",
    "status": 400,
    "detail": "The transaction failed when submitted to the stellar network. The `extras.result_codes` field on this response contains further details. Descriptions of each code can be found at: https://www.stellar.org/developers/learn/concepts/list-of-operations.html",
    "extras": {
      "envelope_xdr":
      "AAAAAFfU9fQ5gsgKziLJoeLSVUvJcNmhz3Y2CVY5/ezRYxBAAAAZACVmdwAAAAbAAAAAAAAAAAAAAAAABAAAAAAAAAA
      AYAAAABQUJDMQAAAADGiiYRy4TeVAgxh6Ph4jdGdRzW2kUTr8uL/9ghD1C4QAAAAAF9eEAAAAAAAAAAAAAGzRYxBAA
      AAQO7XduemHeKKHuFhVWDT2g42fWrNd3wzbDqC+R4GocTZFb2ALFQN0MaHzpEQsQZ6r/gUI5nmufaxUJBW7hmemwg
      =",
      "result_codes": {
        "transaction": "tx_failed",
        "operations": [
          "op_no_issuer"
        ]
      },
      "result_xdr": "AAAAAAAAAGT/////AAAAAQAAAAAAAAAG/////gAAAAA="
    }
  }
}
```

This error occur when the operation does not correctly specify an issuing asset.

```
{
  "error": "Error: Asset code is invalid
(maximum alphanumeric, 12 characters at max)"
}
```

This error occur when the asset code is invalid.

```
{
  "error": "Asset Code is required."
}
```

This error occur when asset code is missing.

```
{
  "error": "Asset Issuer ID is required"
}
```

This error occur when issuer Id is missing.

```
{
  "error": "Receiver ID is required."
}
```

This error occur when receiver Id is missing.

```
=====
URL: http://{server}/assets/issue
Method: POST
Headers: Content-Type: application/json
Body:
{
  "assetCode": "ABC",
  "amount": "10.0000000",
  "issuerId": "SATVM4BDCM43CKO3U3OJKIJRXRN3J4YVGVESM7NIEZAUFCCN66UOHZKK",
  "receiverId": "SBALK4G6X6QKMMR7VNDKOAQNPQFUCULAC3V7FO5TIGSGR2BI2YLVFTGJ"
}
```

Required parameters:

- assetCode - Asset to send to the destination account(a short identifier of 1–12 alphanumeric).
- issuerId – Secret key of the issuing account that issued the asset.
- receiverId – Secret key of the recipient account.
- amount - Amount of the aforementioned asset to send.

Issuing an asset to a user is done by the receiver establishing a trustline to the issuer, and the issuer sending an amount of asset to the user.

Sample SUCCESS response

```
{
  "transactionResult": {
    "_links": {
      "transaction": {
        "href":
        "https://horizon-testnet.stellar.org/transactions/0b3b617befcefa87997bd1427c1c66865e40e936200ef75b92f3ba64656febe8"
      }
    },
    "hash": "0b3b617befcefa87997bd1427c1c66865e40e936200ef75b92f3ba64656febe8",
    "ledger": 9823079,
    "envelope_xdr":
    "AAAAAKpRleIXRffZpYYVU5WA9Y6cgj1TCAYUDz/slhvO+tVYAAAAZACV4DQAAAAACAAAAAAAAAAAAAAAAABAAAAAAAA
    AAEEAAAAApaD9hmXbBZ2la3M5MQVqzYsUv9xKrltBvR3Fjbf5loUAAAAABQUJDAAAAAACqUZXiF0X32aWGFVOVgPWOnI
    9UwgGFA8/7CIbzvrVWAAAAAAAAAmJaAAAAAAAAAAAAHO+tVYAAAAQI05kGTT65KWb0FEuUroKhTMa/YJQb10JFT5wtxGQ
    4+hdpVogIH7T+9LYSNKuQy+kDUXhnxAvN6jhwL+9MSgE=",
    "result_xdr": "AAAAAAAAAGQAAAAAAAAAAQAAAAAAAAABAAAAAAAAAAAA=",
    "result_meta_xdr":
    "AAAAAAAAAAEEAAAAACAAAAAwCV4xUAAAABAAAAAKWg/YZl2wWdpWtzOTEFas2LFL/cSqyLQb0dxY23+ZaFAAAAAUF
    CQwAAAAAAqIGV4hdF99mlhhVTIYD1jpyCPVMIBhQPP+wiG8761VgAAAAAAAAAAAAAAAAAF9eEAAAAAAQAAAAAAAA
    AAAAAAQCV42cAAAAABAAAAAKWg/YZl2wWdpWtzOTEFas2LFL/cSqyLQb0dxY23+ZaFAAAAAUFCQwAAAAAAqIGV4hdF
    99mlhhVTIYD1jpyCPVMIBhQPP+wiG8761VgAAAAAAJiWgAAAAAAAF9eEAAAAAAQAAAAAAAAAAAA"
  }
}
```

Sample ERROR response

```
{
  "error": {
    "type": "https://stellar.org/horizon-errors/transaction_failed",
    "title": "Transaction Failed",
    "status": 400,
    "detail": "The transaction failed when submitted to the stellar network. The `extras.result_codes` field on this response contains further details. Descriptions of each code can be found at: https://www.stellar.org/developers/learn/concepts/list-of-operations.html",
    "extras": {
      "envelope_xdr":
      "AAAAAAmFfDIIAKJiErcEJyAEbBpGiovhC2PJ1QK4yVsvyagAAAAZACUWcAAAAANAAAAAAAAAAAAAAAAABAAAAAAAA
      AEAAAApaD9hmXbBZ2la3M5MQVqzYsUv9xKrltBvR3Fjbf5loUAAAABQUJDAAAAAAAAJhXyAyJQCiyhK3BCcgBGwaRoqL
      4QtjydUCuMlL8moAAAAAAmJaAAAAAAAAAAAFsvyagAAAAQGM9JFCTfjTkUufLCNvOvb4/p/QQc+UfdPmFGlab72B/u
      CLUccHK8GdwMpfeqPje9/bb9azGRfTitesQpm/gl=",
      "result_codes": {
        "transaction": "tx_failed",
        "operations": [
          "op_no_trust"
        ]
      },
      "result_xdr": "AAAAAAAAAGT/////AAAAAQAAAAAAAAAB/////gAAAAA="
    }
  }
}
```

This error occur if the receiver does not trust the issuer of the asset being sent. To solve it, the receiver must create a trustline to the issuing account.

```
{
  "error": "Amount is required."
}
```

This error occur when amount is missing.

```
{
  "error": "Error: Asset code is invalid
(maximum alphanumeric, 12 characters at max)"
}
```

This error occur when the asset code is invalid.

```
{
  "error": "Asset Code is required."
}
```

This error occur when asset code is missing.

```
{
  "error": "Asset Issuer ID is required"
}
```

This error occur when issuer Id is missing.

```
{
  "error": "Receiver ID is required."
}
```

This error occur when receiver Id is missing.

```

=====
URL: http://{server}/assets/transfer
Method: POST
Headers: Content-Type: application/json
Body:
{
  "assetCode": "ABC",
  "amount": "1",
  "issuerId": "SCSGGRV4M24KGJJ4GZYFJKJZADHO3632MY6ZF33A6FLRKPYPKZ6ANCMPY",
  "distributorId": "SCQSL3RUV3BLN7JXXFIQDE5F2PMVVLUFUY3546HY3HG6LTUYHBAI7F32C",
  "receiverId": "SDXPFOZ7INZP2PKJ6GV6SOKNWZZ55HDBUUL3NSQMI7HICYMFXG2OST7",
}

```

This endpoint will move a particular asset from distributor account to another account.

Required parameters:

- assetCode - Asset to send to the recipient account(a short identifier of 1–12 alphanumeric).
- issuerId – Secret key of the issuing account that issued the asset.
- distributorId – Account address(Distributor account Secret key) that will send the asset to another account.
- receiverId – Account address(Secret key) that will receive the asset.
- amount - Amount of the aforementioned asset to move.

Sample SUCCESS response

```

{
  "transactionResult": {
    "_links": {
      "transaction": {
        "href":
          "https://horizon-testnet.stellar.org/transactions/9d3995e22a8fe8ece3284e7f84e0980522dd9b5ba0b5da17eb92d69abdd2c7ec"
      }
    },
    "hash": "9d3995e22a8fe8ece3284e7f84e0980522dd9b5ba0b5da17eb92d69abdd2c7ec",
    "ledger": 10046867,
    "envelope_xdr":
      "AAAAAK/tqS3GVr8B14b+QFw0PUR8uhsu6FUvelkkEkySv8JAAAAZACT9KcAAAA3AAAAAAAAAAAAAAAAABAAAAAAAAAAEAAAAvfRwx
      7WETHkvfhXMliJmH2DMHpMXkvQCuUIZmsNmSxUAAAACUFNFVEVMAAAAAAAAAAAAAAESXSg8gBVFRivqNcJjj6dBbYebWhQN2KxF8
      ASAF+/UCAAAAAACYIoAAAAAAAAAAAAATJK/wkAAABApQdFJzN0DUsjXWf5chXkLRnbNH0F3cPEN0JH2iVQIZuYAtS1IMrpOsq96xs5FNXA
      9+hYj9xfkwkQHavZXC2CA==",
    "result_xdr": "AAAAAAAAAGQAAAAAAAAAQAAAAAAAAABAAAAAAAAAA=",
    "result_meta_xdr":
      "AAAAAAAAAAEAAAAEAAAAAwCYfPIAAAABAAAAAK/tqS3GVr8B14b+QFw0PUR8uhsu6FUvelkkEkySv8JAAAAIBTRVRFTAAAAAAA
      AAAABEI0oPIAVRUYr6jXCY4+nQQWBG1oUDdisRfAEgBfv1AgAAAAAmJaAf////////8AAAAABAAAAAAAAAAAAAAAAABAJINkwAAAAEAAA
      AAr+2pLcZWvwHXhv5AV7DQ9RH6Gy7oVS96WSQSTJK/wkAAAAACUFNFVEVMAAAAAAAAAAAAAAESXSg8gBVFRivqNcJjj6dBbYebWh
      QN2KxF8ASAF+/UCAAAAAAAAAB////////wAAAAEAAAAAAAAAAAAAAAAAMAmHzyAAAAAQAAAAAC99HDHtYRMeS9+FcwilmYfYMwekxeS
      9AK5Qhmaw2ZLFQAAAAJQU0VURUwAAAAAAAAAAAAAARJdKdyAFUVGK+o1wmOPp0EFgRtaFA3YrEXwBIAx79QIAAAAAAcnDgH////////
      /AAAAQAAAAAAAAAAAAAAQCZTZMAAAAABAAAAAL30cMe1hEx5L34VzCliZ9gzB6TF5L0ArlCGZrDZksVAAAAAIBTRVRFTAAAAAAA
      AAAABEI0oPIAVRUYr6jXCY4+nQQWBG1oUDdisRfAEgBfv1AgAAAAACYIoAf////////8AAAAABAAAAAAAAAAAA="
  }
}

```

Sample ERROR response


```

{
  "error": {
    "type": "https://stellar.org/horizon-errors/transaction_failed",
    "title": "Transaction Failed",
    "status": 400,
    "detail": "The transaction failed when submitted to the stellar network. The `extras.result_codes` field on this response contains further details. Descriptions of each code can be found at: https://www.stellar.org/developers/learn/concepts/list-of-operations.html",
    "extras": {
      "envelope_xdr":
      "AAAAAK/tqS3GVr8B14b+QFew0PUR8uhsu6FUvelkkEkySv8JAAAAZACT9KcAAAA4AAAAAAAAAAAAAAAAABAAAAAAAA
      AEAAAAAvfRwx7WETHkvfhXMliJmH2DMHpMXkvQCuUIZmsNmSxUAAAACUFNFVEVMAAAAAAAAAAAAAAAAAESXg8gBVF
      RivqNcJjj6dBBYEbWhQN2KxF8ASAF+/UCAAAAAADuaygAAAAAAAAAAATJK/wkAAABAEHgtPB9MMg+m2nevmEn95hplj8
      M9mfyHokheLjKoQAvpJ5242YwjqYDOycstrnpBYTMATa7vcnQQZ768mTliBw=="
      "result_codes": {
        "transaction": "tx_failed",
        "operations": [
          "op_underfunded"
        ]
      },
      "result_xdr": "AAAAAAAAAGT/////AAAAA.....gAAAAA="
    }
  }
}

```

This error occur when the operation failed due to lack of funds. Either IssuerID or DistributorID don't have a minimum balance. To solve it, they must be funded again.

```

{
  "error": "Receiver ID don't have a trustline from the issuing account."
}

```

This error occur when this ReceiverID don't have a trustline to the issuing account. To solve it, the receiverID must trust first to the issuing account.

Useful Tools:

- [https://www.stellar.org/account-viewer/#/!](https://www.stellar.org/account-viewer/#/)
- <https://www.stellar.org/laboratory/#explorer>
- <https://stellarchain.io>