# Rest-API Forex-Trading-System  1.0  OAS 3.0

Can get the exchange rate, top-up account, get balance, and convert currency.

## forex-trading-system ⌃

## default ⌃

**GET**     `/fx-rates`          ⌃

**Parameters**        [ Cancel ]

No parameters

| Execute | Clear |
|---|---|

**Responses**

**Curl**

```
curl -X 'GET' \
  'http://localhost:3000/fx-rates' \
  -H 'accept: */*'
```

**Request URL**

```
http://localhost:3000/fx-rates
```

**Server response**

| Code | Details |
| --- | --- |

200

**Response body**

```
{
  "USD-EUR": {
    "rate": 0.9406,
    "expiryAt": "5/8/2024, 5:40:22 AM"
  },
  "USD-GBP": {
    "rate": 0.8045,
    "expiryAt": "5/8/2024, 5:40:22 AM"
  },
  "EUR-USD": {
    "rate": 1.0632,
    "expiryAt": "5/8/2024, 5:40:22 AM"
  },
  "EUR-GBP": {
    "rate": 0.8551,
    "expiryAt": "5/8/2024, 5:40:22 AM"
  },
  "GBP-USD": {
    "rate": 1.2431,
    "expiryAt": "5/8/2024, 5:40:22 AM"
  },
  "GBP-EUR": {
    "rate": 1.1694,
    "expiryAt": "5/8/20(      5 Download
```

| Code | Details |
|------|---------|

```
        }
      }
```

**Response headers**

```
 connection: keep-alive
 content-length: 361
 content-type: application/json;
charset=utf-8
 date: Wed,17 Apr 2024 04:10:27 GMT
 etag: W/"169-aoJLwHOX5hFf5b8/zV/
ZqHfMU/w"
 keep-alive: timeout=5
 x-powered-by: Express
```

**Responses**

| Code | Description | Links |
|------|-------------|-------|
| 200  |             | *No links* |

---

**POST    /account/top-up/{id}**                      ∧

| **Parameters** | **Cancel** | **Reset** |
|----------------|------------|-----------|

No parameters

**Request body** required                **application/json**

```
{ "currency": "EUR", "amount": 100 }
```

| **Execute** | **Clear** |
|---|---|

**Responses**

**Curl**

```
curl -X 'POST' \
  'http://localhost:3000/account/top-up/{id}' \
  -H 'accept: */*' \
  -H 'Content-Type: application/json' \
  -d '{ "currency": "EUR", "amount": 100 }'
```

**Request URL**

```
http://localhost:3000/account/top-up/{id}
```

**Server response**

| Code | Details |
|------|---------|
| 201 | **Response headers**<br><br>**connection: keep-alive**<br>**content-length: 0**<br>**date: Wed,17 Apr 2024 04:15:22 GMT**<br>**keep-alive: timeout=5**<br>**x-powered-by: Express** |

**Responses**

| Code | Description | Links |
|------|-------------|-------|
| 201 | | *No links* |

---

| GET | /account/balance/{id} | ∧ |
|-----|-----------------------|---|

**Parameters**           **Cancel**

No parameters

| **Execute** | **Clear** |
|-------------|-----------|

**Responses**

**Curl**

```
curl -X 'GET' \
```

```
'http://localhost:3000/account/balance/{id}' \
-H 'accept: */*'
```

**Request URL**

```
http://localhost:3000/account/balance/{id}
```

**Server response**

| Code | Details |
| --- | --- |

200

**Response body**

```
{
  "balances": {
    "USD": 100,
    "EUR": 100
  }                              Download
}
```

**Response headers**

```
connection: keep-alive
content-length: 34
content-type: application/json;
charset=utf-8
date: Wed,17 Apr 2024 04:15:39 GMT
etag: W/"22-
RPILqLiSaL27MjC9bUUcMzV4g8Y"
keep-alive: timeout=5
x-powered-by: Express
```

**Responses**

| Code | Description | Links |
| --- | --- | --- |
| 200 | | *No links* |

**POST**    `/fx-conversion`                                    ⌃

| Parameters | Cancel | Reset |

No parameters

**Request body** required                    application/json

```
{ "quoteId": "12345", "fromCurrency": "USD",
"toCurrency": "EUR", "amount": 100 }
```

| Execute | Clear |

**Responses**

**Curl**

```
curl -X 'POST' \
  'http://localhost:3000/fx-conversion' \
  -H 'accept: */*' \
  -H 'Content-Type: application/json' \
  -d '{ "quoteId": "12345", "fromCurrency": "USD",
"toCurrency": "EUR", "amount": 100 }'
```

**Request URL**

```
http://localhost:3000/fx-conversion
```

**Server response**

| Code | Details |
| --- | --- |

201

**Response body**

```
{
  "convertedAmount": 94.06,
  "currency": "EUR"                    Download
}
```

**Response headers**

```
connection: keep-alive
content-length: 42
content-type: application/json;
charset=utf-8
date: Wed,17 Apr 2024 04:12:30 GMT
etag: W/"2a-
vgPy4abTSEUCfVLpPiBPhBfesJA"
keep-alive: timeout=5
x-powered-by: Express
```

**Responses**

| Code | Description | Links |
| --- | --- | --- |

| Code | Description | Links |
|------|-------------|-------|
| 201 |  | *No links* |

## Schemas ⌃

### AccountDtO

### FxConversionDto