

Overview

FX Rate API provides real-time foreign exchange rate lookups between two currency/coin pairs. It proxies requests to the upstream FX service and returns the current bid/ask rate.

All requests must be authenticated using HMAC-signed headers. The caller must hold the role **ROLE_PERMISSION_charges.read**. Please refer to *API Authentication* for more information about the signature.

API Endpoint	https://{server.com}/api/v3/custom/fxrates/realtime
Method	POST
Content Type	Application-json

Payment Flow

1. The merchant submits a currency pair with bid/ask prices.
2. The PayAmigo FX service returns the resulting FX rate response.

Request Parameters

Field	Required	Description
base_currency	Y	String. Base currency/coin code. 2–6 non-whitespace characters (e.g. USDT).
quote_currency	Y	String. Quote currency/coin code. 2–6 non-whitespace characters (e.g. ARS).
bid	Y	String. Bid price for the currency pair (e.g. "100.5").
ask	Y	String. Ask price for the currency pair (e.g. "1").

Sample Request

```
{
  "base_currency": "US",
  "quote_currency": "AR",
  "bid": "100.5",
  "ask": "1"
}
```

Response Fields

To validate a payment is successful, HTTP status should be 200 OK

Field	Description
fx_quote_id	Unique reference ID for the quote request. This should be included in the submit charge or submit credit payload for Payamigo to book the trade and guarantee the FX rate.
base	The request data is displayed in the response
quote	The request data is displayed in the response
request_timestamp	The timestamp when the request was received by the system.
bid	The bid price is the price that Payamigo will buy the base currency from you in exchange for the quote currency.
ask	The ask price is the price that Payamigo will sell you the base currency in exchange for the quote
delta_bid	measures the net difference between buy side liquidity
delta_ask	measures the net difference between sell side liquidity
expiry_timestamp	The timestamp when the FX quote expires. If the transaction is not completed within the expiry time, the quote cannot be guaranteed by Payamigo.
requested_bid	Bid price for the currency pair
requested_ask	Ask price for the currency pair

Sample Response

```
{
  "fx": {
    "fx_quote_id": "3faa8bac-7aa3-4193-a114-a66a13b4b85d",
    "base": "USD",
    "quote": "ARS",
    "request_timestamp": "2026-04-15T18:41:32.957417",
    "bid": "1464.924",
    "ask": "1454.086",
    "delta_bid": "1463.924",
    "delta_ask": "1353.586",
    "expiry_timestamp": "2026-04-15T18:42:32",
    "requested_bid": "1",
    "requested_ask": "100.5"
  }
}
```

Sample Error Response

```
{
  "requestId": "3f48e69b-4907-4253-8a69-5879f3e6d0a8",
  "errorCode": "validation_error",
  "message": "[bid] must not be blank "
}
```